

METROPOLITAN PLANNING ORGANIZATION

2009 Congestion Management Process (CMP) Update



PREPARED BY THE COASTAL REGION METROPOLITAN PLANNING ORGANIZATION (CORE MPO)

CORE/MPO is the Metropolitan Planning Organization (MPO) responsible for Chatham County transportation planning. The MPO is composed of representatives of local, state, and federal government and transportation authorities and ensures federal spending on transportation for urbanized areas of over 50,000 people occurs through a comprehensive, cooperative and continuing process involving both the public and policy makers. The MPC provides staff services to the CORE/MPO Policy Committee, which is chaired by the chairman of the Chatham County Board of County Commissioners.

May 12, 2009



2009 CONGESTION MANAGEMENT PROCESS UPDATE

Prepared for:

Coastal Region Metropolitan Planning Organization (CORE MPO)

Prepared by:



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TABLE OF CONTENTS

| | |
|--|-----------|
| 1.0 INTRODUCTION | 4 |
| 1.1 Goal | 5 |
| 1.2 Overview of Federal Requirements for a CMP..... | 5 |
| 1.3 Overview of 2004 Chatham County-Savannah MPC CMS Report..... | 7 |
| 2.0 DEVELOPMENT OF PERFORMANCE MEASURES | 9 |
| 2.1 Process for Determining Performance Measures | 9 |
| 2.1.1 Overview of Quantitative Performance Measures: 2004 Congestion Management System Report | 9 |
| 2.1.2 Group Work Session to Develop CMP Update Performance Measures (3-12-08) | 10 |
| 2.1.3 Peer Review of Other Regions | 10 |
| 2.2 Recommended Performance Measures | 13 |
| 3.0 CONGESTION MANAGEMENT STRATEGY DEVELOPMENT AND ANALYSIS | 14 |
| 3.1 Congestion Management through Traffic Operational Improvements – Case Study: Victory Drive Hot-Spot Analysis | 14 |
| 3.1.1 Existing Conditions | 16 |
| 3.1.2 Alternatives Analysis | 19 |
| 3.1.3 Short-range Improvements/Recommendations..... | 30 |
| 3.1.3.1 Recommendations for Victory Drive Corridor | 30 |
| 3.1.3.2 Recommendations for CORE MPO Region..... | 30 |
| 3.1.4 Long-range Improvements/Recommendations..... | 32 |
| 3.2 Congestion Management through Traffic Operational Improvements – Case Study: SR 21 Hot Spot Analysis | 33 |
| 3.1.5 Short-range Improvements/Recommendations..... | 37 |
| 3.1.3.1 Recommendations for the SR 21 Corridor | 37 |
| 3.3 Congestion Management Using a System-Wide Approach – Case Study: Gap Analysis, Effingham Parkway Extension | 37 |
| 3.3.1 Existing Conditions | 38 |
| 3.2.2 Alternatives Analysis | 41 |
| 3.2.3 Recommendations | 44 |
| 4.0 DATA COLLECTION, MONITORING, AND IMPLEMENTATION | 49 |
| 4.1 TMC Analysis and Recommendations | 49 |
| 4.1.1 Types of TMCs | 50 |
| 4.1.2 Major Functions of a TMC..... | 50 |
| 4.1.3 Benefits of a TMC..... | 52 |
| 4.1.4 Costs and Funding Sources of a TMC..... | 52 |
| 4.1.4.1 Costs of Georgia Navigator TMC | 54 |

| | |
|---|----|
| 4.1.4.2 Costs of Clayton County Traffic Control Center (TCC) | 54 |
| 4.1.4.2 Costs of SMART SunGuide TMC | 55 |
| 4.1.5 TMC Recommendation for CORE MPO | 56 |
| 4.2 Summary of 2004 Congestion Management System Report Recommendations | 57 |
| 4.3 CORE MPO CMP Update Recommendations | 60 |

LIST OF TABLES

| | |
|--|----|
| Table 1. CMP Federal Requirements | 6 |
| Table 2. Summary of the CORE MPO Region System Performance..... | 7 |
| Table 3. Peer Review of CMP Performance Measures | 11 |
| Table 4. Existing Conditions - Victory Drive Level-of-Service and Capacity | 17 |
| Table 5. Shopping Center Northbound Approach Queue Lengths, Associated with Alternatives 1 and 2: Intersection of Victory Drive and Wallin Street | 22 |
| Table 6. 2030 Conditions PM Peak Hour – Victory Drive Area, Intersection Capacity Analysis Results..... | 25 |
| Table 7. Summary of CORE MPO 2030 Constrained Model Results | 29 |
| Table 9. Congestion Mitigation Measures for Implementation Across CORE MPO | 31 |
| Table 10. Policy Considerations for Congestion Mitigation in CORE MPO | 31 |
| Table 11. Existing Conditions: SR 21 Level of Service and Capacity (PM Peak Hour) | 35 |
| Table 12. Average Costs for TMCs, by Size of Area Served..... | 53 |
| Table 13. Projected Expenditures for the Georgia Navigator | 54 |
| Table 14. SMART SunGuide TMC (FDOT) Annual Costs, Adjusted to 2006 Dollars | 55 |

LIST OF FIGURES

| | |
|---|----|
| Figure 1. CORE MPO CMP Cycle..... | 5 |
| Figure 2. Summary of 2004 CMS Recommendations or Other Project Status | 8 |
| Figure 3. Study Area: Victory Drive Hot-Spot Analysis..... | 16 |
| Figure 4. Proposed Short-Term Victory Drive Improvement Alternatives | 20 |
| Figure 5. Proposed Short-Term Victory Drive Improvement Alternatives | 21 |
| Figure 6. Shopping Center Queue Lengths Associated with Alternatives 1 and 2..... | 22 |
| Figure 7. Sight Distance Issues at Victory Drive/Walling Street: Live Oak Trees | 23 |
| Figure 8. Proposed Frontage Road, Alternative 5..... | 24 |
| Figure 9. Conceptual Layout of Victory Drive Bypass Alternative | 27 |
| Figure 10. SR 21 Study Area Intersections | 35 |
| Figure 11. Effingham Parkway Extension Gap Analysis Study Area | 39 |
| Figure 12. Existing Land Use | 40 |
| Figure 13. Wetlands | 45 |
| Figure 14. Zoning..... | 46 |
| Figure 15. Projects Proposed in the Area of Effingham Parkway Extension..... | 47 |
| Figure 16. Proposed Effingham Parkway Extension Alternatives | 48 |
| Figure 17. Typical Sources of Recurrent and Non-Recurrent Congestion | 50 |
| Figure 18. Typical Structure of a Transportation Management Center..... | 51 |

| | |
|--|----|
| Figure 19. Goals and Expected Outcomes for CORE MPO TMC..... | 56 |
| Figure 20. Top 20 Congested Segments in CORE MPO Region, 2004 CMS..... | 58 |
| Figure 21. CORE MPO CMP Update Recommendation Modules..... | 60 |
| Figure 22. CORE MPO Congestion Management Process Components | 61 |

APPENDICES

Appendix A. *Chatham County-Savannah Metropolitan Planning Commission Congestion Management System Report – 2004*

Appendix B. Victory Drive and SR 21 Analysis: Traffic Data and Technical Memoranda

Appendix C. Additional Information: Transportation Management Centers

1.0 Introduction

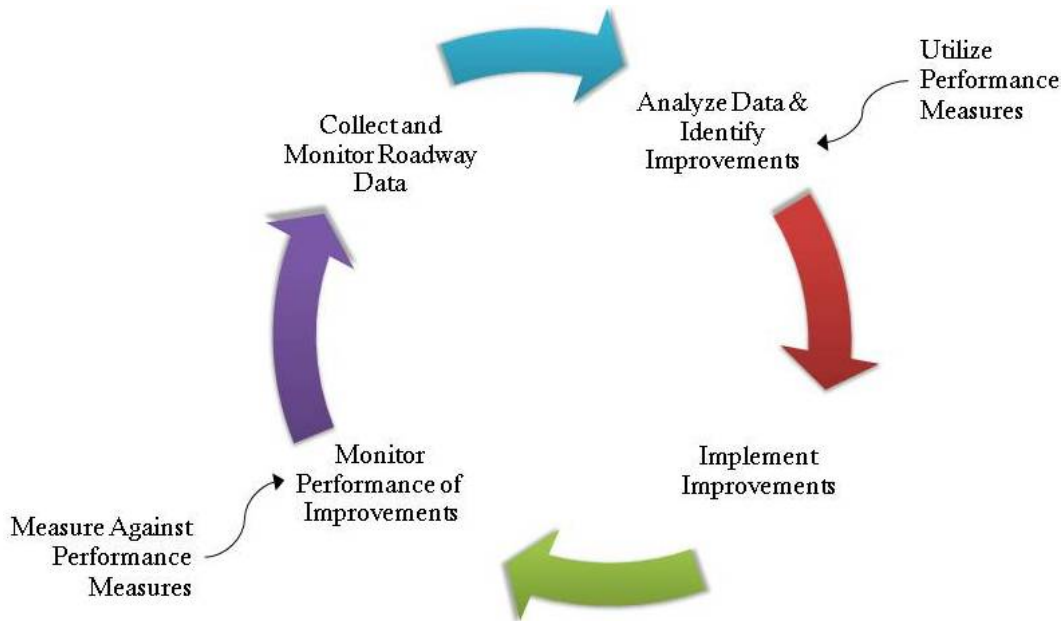
This Congestion Management Process (CMP) Update for the Coastal Region Metropolitan Planning Organization (CORE MPO) was compiled to evaluate and address congestion in the Savannah region. CORE MPO is the federally-designated MPO for the Savannah area, and it carries out the transportation planning for the region. Transportation Management Areas, which are urbanized areas with a population of over 200,000¹, are required to develop a Congestion Management Process (CMP). The CMP outlines how congestion will be managed through a series of recommendations and tools to be continuously implemented to enhance mobility across the multimodal transportation system. Congestion is the level at which transportation system performance is no longer acceptable due to traffic interference. There are two kinds of congestion: 1) recurring congestion that happens in short time periods and is predictable (rush hour, for example), and 2) non-recurring congestion that is caused by unforeseen incidents and is less predictable.

CORE MPO is undertaking this CMP update to supplement the current *2004 Chatham County-Savannah MPC Congestion Management System Report* (CMS Report), which is detailed in **Section 1.3: Overview of 2004 Chatham County-Savannah MPC CMS Report**. Previously, a CMP was known as a Congestion Management System (CMS). With the passing of the Safe, Accountable, Flexible, Efficient Transportation Legacy Act: A Legacy for Users (SAFETEA-LU) that became effective March 16, 2007, the name was changed to indicate that congestion management is an ongoing process undertaken by cities and regions. The 2004 CMS was updated in 2007 and is SAFETEA-LU compliant. A CMP is intended to be used by urbanized areas to monitor, analyze, implement, and manage strategies to mitigate congestion in the area. It is “a systematic process for managing congestion and enhance the mobility of persons and goods to levels that meet State and local needs.”² The 2009 Update of the 2007 CMP identifies ways to continuously collect and monitor data, analyze the data and identify necessary improvements, implement the improvements, and manage the improvements. The 2009 CMP Update incorporates a two-tiered approach, utilizing both “hot spot” and systems-level methodologies to address congestion. This CMP Update is a continuous cycle as shown in Figure 1.

¹ As of latest U.S. Census

² 23 CFR 500.109

Figure 1. CORE MPO CMP Cycle



Source: CORE MPO CMP Update Study Team

This updated CMP process will become a crucial component of all transportation planning efforts throughout the region. Implementation of this innovative CMP process will result in the identification of new congestion management strategies as the region grows and changes, and ultimately, an enhanced multimodal transportation system for the entire Chatham County and Savannah region.

1.1 Goal

Through this CMP Update, a streamlined approach to addressing congestion and improving the transportation network has been developed. This goal will be accomplished by identifying a set of performance measures and tools that can be applied to congested corridors throughout the MPO. It will also expand upon goals from the 2007 CMP, which included the following key elements: to 1) identify problem areas through the use of travel-time studies, and 2) present recommendations to improve the traffic flow on the transportation system as a whole as well as on specific corridors.³

1.2 Overview of Federal Requirements for a CMP

SAFETEA-LU was enacted in August 2005, and requires all metropolitan planning regions with a population above 200,000 to include a CMP as part of their planning process. The regulations state that:

The transportation planning process in a TMA shall address congestion management through a process that provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented

³ Congestion Management System Report – 2004, Chatham County-Savannah Metropolitan Planning Commission.

*metropolitan-wide strategy, of new and existing transportation facilities... through the use of travel demand reduction and operational management strategies.*⁴

The regulations state that at a minimum, the planning agency must follow guidelines for the CMP, but the specifics of accomplishing the congestion management measures are left up to the agency. Table 1 below outlines the federal guidance for a CMP.

Table 1. CMP Federal Requirements

| Requirement | Methods |
|--|---|
| Problem Identification | <ul style="list-style-type: none"> a. Develop methods to evaluate the performance of the multimodal system b. Identify the causes of recurring and non-recurring congestion c. Identify and evaluate alternative strategies d. Provide information supporting the implementation of actions e. Evaluate the effectiveness of the implemented actions |
| Congestion Management Objectives and Performance Measures | <ul style="list-style-type: none"> a. Define congestion management objectives b. Define appropriate performance measures to assess congestion and support the evaluation of effectiveness of congestion reduction <ul style="list-style-type: none"> i. Performance measures should be specific to MPO ii. Performance measures should be developed cooperatively by the State, MPO, and local officials in consultation with operators of major transportation modes within the area. |
| Establishment of CMP Program for Data Collection and Monitoring | <ul style="list-style-type: none"> a. To assist with determining causes of congestion b. To assist with system performance monitoring to define extent and duration of congestion c. To assist with evaluation of the efficiency and effectiveness of implemented actions |
| Identification and Evaluation of Performance Measures and Strategies | <ul style="list-style-type: none"> a. Potential strategies include: <ul style="list-style-type: none"> i. Demand management (i.e. growth management and congestion pricing) ii. Traffic operations iii. Transit improvements iv. ITS technologies v. Additional system capacity, where necessary |
| Implementation | <ul style="list-style-type: none"> a. Schedule b. Responsibilities c. Funding sources for each strategy |
| Process for Periodic Assessment | <ul style="list-style-type: none"> a. Develop process to assess the effectiveness of the implemented strategies (in terms of area's performance measures) b. Present results to decision makers and public on selection of effective strategies for future implementation |

Source: CFR §450.320 (c)

⁴ §450.320(a), Metropolitan Transportation Planning, Final Rule, Federal Register, February 14, 2007

The CORE MPO CMP Update addresses each of these guidelines in a way that meets the goals and objectives specific to the CORE MPO region.

1.3 Overview of 2004 Chatham County-Savannah MPC CMS Report

The 2004 CMS was developed to aid the MPO in identifying congestion and mobility problems and to recommend mitigation measures. To accomplish this, the report included travel time studies that examined specific corridors as well as the transportation system as a whole. In this study, approximately 313 centerline miles of 59 different roadways in Chatham County were evaluated using various data collection techniques.

The 2004 CMS Report analyzed each of these roadways to determine the Level-of-Service (LOS) for each. Overall, with the 589 directional miles that were considered, 531.7 miles had a LOS A-C and 57.1 miles were D-F, indicating that approximately 10% of the roadways studied were congested. For the segments with a LOS between D and F, recommended improvements were developed. Table 2 below is a summary of the LOS findings for the CORE MPO transportation system as a whole. More detailed, segment-by-segment analysis and recommendations can be found in Appendix A in the complete *2004 Congestion Management System Report*.

Table 2. Summary of the CORE MPO Region System Performance

| LOS | Time Period | Number of Miles | Percentage | Summary LOS A-C and D-F | | | Average LOS A-C and D-F | | | | | |
|-----|-------------|-----------------|------------|-------------------------|-----------------|------------|-------------------------|------------|-------|-------|-------|-------|
| | | | | Time period | Number of Miles | Percentage | Number of Miles | Percentage | | | | |
| A | AM | 318.1 | 67.1% | AM | 542.4 | 90.3% | 531.7 | 90.3% | | | | |
| | MD | 338.5 | 71.1% | | | | | | | | | |
| | PM | 275.9 | 61.0% | | | | | | | | | |
| B | AM | 89.2 | 14.0% | MD | 546.0 | 90.3% | | | 531.7 | 90.3% | | |
| | MD | 88.6 | 14.1% | | | | | | | | | |
| | PM | 93.5 | 15.6% | | | | | | | | | |
| C | AM | 67.0 | 11.0% | PM | 506.6 | 83.1% | | | | | 531.7 | 90.3% |
| | MD | 46.9 | 7.5% | | | | | | | | | |
| | PM | 67.0 | 9.4% | | | | | | | | | |
| D | AM | 21.8 | 3.6% | AM | 46.4 | 9.7% | 57.1 | 9.7% | | | | |
| | MD | 28.1 | 3.9% | | | | | | | | | |
| | PM | 44.2 | 7.0% | | | | | | | | | |
| E | AM | 16.0 | 2.4% | MD | 42.8 | 9.7% | | | 57.1 | 9.7% | | |
| | MD | 12.8 | 1.8% | | | | | | | | | |
| | PM | 22.6 | 4.0% | | | | | | | | | |
| F | AM | 13.1 | 1.9% | PM | 82.1 | 16.9% | | | | | 57.1 | 9.7% |
| | MD | 10.3 | 1.5% | | | | | | | | | |
| | PM | 22.0 | 3.0% | | | | | | | | | |

AM = Morning peak

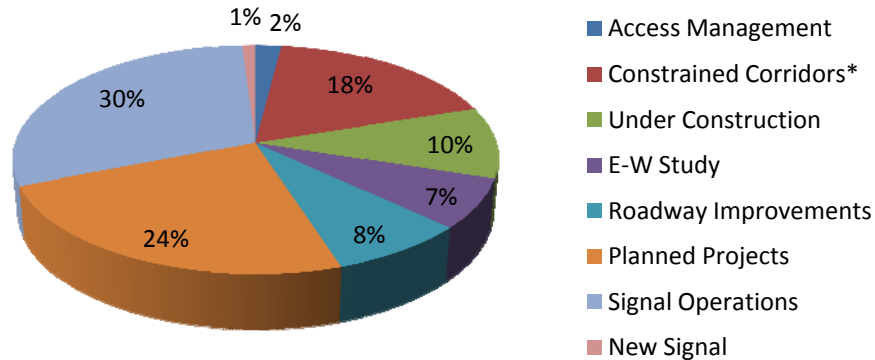
MD = Midday peak

PM = PM peak

Source: 2004 Chatham County – Savannah MPC CMS Report

According to the 2004 CMS, the majority of the projects in need of congestion management measures were either already addressed through planned projects (at that time) or were related to traffic signal operations. Other types of improvements identified were access management, multi-modal considerations, new signal installation (where stop signs currently exist), and roadway widening. Figure 2 below from the 2004 CMS provides a summary of recommended improvements or other current project status for the congested corridors that were identified.

Figure 2. Summary of 2004 CMS Recommendations or Other Project Status



* For constrained corridors, improvements are limited to optimizing signal operations or improving surrounding roadways. However, the majority of these roadways are in the urban core, where delays are acceptable. Constrained roadways are typically roads whose ability to expand or widen is limited or restricted due to constraints such as a canopy or unavailable surrounding right of way.

Source: 2004 Chatham County – Savannah MPC CMS Report

2.0 Development of Performance Measures

A crucial component of the Congestion Management Process is the development of performance measures, indicators of how well the transportation system is functioning. Performance measures are objective ways to track progress or determine the degree of success of a particular project or plan, in this case the reduction of congestion, in following its stated goals and objectives. There are many ways to measure congestion and system performance. Some examples are crash rates, extent of recurring and non-recurring congestion, throughput, customer satisfaction, speed, travel time, enhancement of economic vitality, and connectivity to various land uses. Performance measures can be both quantitative, a function of actual facility volume to accepted facility capacity, and qualitative, how well one feels the facility meets his or her needs. This CMP Update will identify the performance measures that will best meet the needs of the CORE MPO region.

2.1 Process for Determining Performance Measures

The performance measures for the CMP Update were developed through a process to determine what would be best-suited to the CORE MPO region. This began by reviewing the performance measures identified in the previous 2004 CMS. Next, CORE MPO staff members and their consultants were engaged in a work session to discuss the issues and opportunities that are facing them, and how these can be translated into performance measures. Finally, before measures were selected for this report, a peer review of other regions was conducted to identify the best practices that are being used in other areas. Further detail of this process is provided in the following sections.

Performance measures should be selected so that they are easily understood by the general public. They should also be easy to incorporate into the process through transportation decisions are made. Additionally, the level of acceptable performance for roadways may vary depending on the type and location of facility, which should be taken into account as performance measures are chosen.

2.1.1 Overview of Quantitative Performance Measures: 2004 Congestion Management System Report

In the 2004 CMS Report, the performance measures utilized were quantitative, meaning that the indicators were able to be calculated in some form or were easily defined. The measures that were developed through the previous study are the congestion index (CI) for roadway segments and the approach LOS for intersections. Congestion index is the ratio of actual speed to posted speed, calculated by:

CI = Actual travel time / Theoretical travel time, where

Actual travel time = recorded travel time for a given segment and

Theoretical travel time = segment length / posted speed limit⁵

Defined by the Highway Capacity Manual (2000), LOS is a measure that describes the operational conditions of a facility, taking into account speed, travel time, freedom to maneuver, traffic interruption, and comfort and convenience. These range from LOS A, indicating the least congestion operating at free flow conditions, to F, the most congestion at forced or breakdown flow.

⁵ Congestion Management System Report – 2004, Chatham County-Savannah Metropolitan Planning Commission.

The performance measures chosen for the 2004 CMS provided a reference point as the roadways in the region were compared to one another. The MPO was then able to use this information to identify congestion and mobility problems.

2.1.2 Group Work Session to Develop CMP Update Performance Measures (3-12-08)

On March 12, 2008, a work session was held between members of the MPO staff and RS&H staff. The purpose of this work session was to review the current status of the CMP Update and determine the next steps that needed to take place. A group “brainstorming” session was facilitated to identify some of the performance measures that could possibly be implemented for various corridors in the MPO. Some of the performance measures discussed were:

- Maintain regional mobility;
- Create a hierarchy of trip purpose;
- Support sustainable development;
- Mix uses to minimize trips;
- Implement people-scaled development to support civic vitality;
- Maintain economic vitality for business owners; and
- Maintain the land use-transportation connection to enhance mobility.

As opposed to the quantitative performance measures of the 2004 CMS, the majority of the performance measures discussed at the March 2008 brainstorming session were more qualitative.

2.1.3 Peer Review of Other Regions

A review of the best practices was conducted to help evaluate the existing CORE MPO congestion management performance measures from the 2004 CMS and 2007 CMP and to identify potential alternatives based upon a review of peer MPOs across the U.S. In addition to the performance measures utilized in the CUTS 2004 CMS, other MPOs utilize a broad range of performance measures to help them monitor and gauge progress on mobility improvement within their jurisdictions. However, many of the measures utilized require detailed data sets that are not readily available to smaller MPOs such as CORE MPO. One example is the use of a Travel Time Index (TTI)⁶ that is utilized by the Atlanta Regional Commission (ARC) and the Georgia Regional Transportation Authority (GRTA) for the Metropolitan Atlanta Region. The TTI requires peak-period data on a regional basis for the major facilities included on the congestion management network. The ARC regional travel demand model is a peak-period model with the ability to determine peak-period congestion and travel time. The CORE MPO travel demand model is a daily model and does not have the capability to determine congestion and travel time for individual peak periods within each day. Without the development of an entirely new travel demand, such roadway performance measures are not feasible at this time. Table 3 on the following pages presents the additional findings of the peer review of performance measures used for congestion management in other regions.

⁶ TTI is the ratio of the travel time during the peak period to the time required to make the same trip at free-flow (uncongested) speeds.

Table 3. Peer Review of CMP Performance Measures

| Type | Typical Metrics | Strengths | Limitations | Cost | Level of Effort | Examples (MPOs) |
|--|--|---|---|---------------|-----------------|--|
| Traditional | <ul style="list-style-type: none"> ▪ Volume-to-capacity ratio ▪ Level of service | <ul style="list-style-type: none"> ▪ Generally accepted as reasonable measures ▪ Large existing body of experience in defining and applying ▪ Can serve to quickly screen and identify congested locations ▪ Data generally readily available | <ul style="list-style-type: none"> ▪ Focuses on movement of vehicles, rather than people ▪ Engineering focused - may not be readily understood by public ▪ Potentially deceptive; when high, volume may be dictated by roadway capacity rather than demand | Low to Medium | Low | Many agencies have selected these traditional performance measures, mainly relying on state DOTs and local jurisdiction traffic counts for their data. |
| Travel Time * | <ul style="list-style-type: none"> ▪ Travel time ▪ Travel speed ▪ Average delay ▪ Travel time index | <ul style="list-style-type: none"> ▪ Metrics are easily understood by the traveling public ▪ Can be easily translated into other measures like user costs ▪ Can be used to validate travel demand forecasting models | <ul style="list-style-type: none"> ▪ Generally does not address amount of travel supplied or demanded ▪ May require substantial data collection resources | Low to Medium | Low to Medium | Capital Area Metropolitan Planning Organization (CAMPO) utilizes travel-speed-related measures to identify congested locations. CAMPO defined minimum threshold acceptable speeds based on the type of road and the area through which that road travels, with lower speeds more acceptable in central business district location than in a rural area. |
| Congestion Duration and Extent | <ul style="list-style-type: none"> ▪ Hours of delay ▪ Lane miles at LOS F ▪ Hours per day at LOS F | <ul style="list-style-type: none"> ▪ Provides another dimension of congestion analysis, allowing further distinctions to be made ▪ Particularly valuable to show changes in performance in locations where it is not possible to eliminate congestion | May require more extensive data collection efforts | Low to Medium | Low | <p>East-West Gateway Coordinating Council (EWGC) measured its CMS network via aerial photography. Multiple photographs were taken during three hour a.m. and p.m. peak periods, producing traffic volume and density numbers for several points at the same time. The information allowed EWGC to track the duration of congestion along congested links, distinguishing links with prolonged congestion from those that are congested over portions of the peak periods.</p> <p>Maricopa Association of Governments (MAG) has conducted an analysis of intersection and highway segment LOS. MAG used 24-hour traffic counts and aerial photography to determine the duration of congestion at congested locations. MAG also tabulated the number of monitored intersections operating under congested conditions as well as the number of miles of the designated CMS network.</p> |
| Reliability (non-recurring congestion) | <ul style="list-style-type: none"> ▪ Travel time variation ▪ Simulated indicators ▪ Proxy measures (i.e. number or extent of construction activities, number of breakdowns and accidents, average clearance time for incidents) | <ul style="list-style-type: none"> ▪ Focuses attention on a major component of travel delay that is often overlooked in traditional analyses and modeling ▪ Addresses the aspect of congestion that is most frustrating to travelers ▪ Important to freight shippers | <ul style="list-style-type: none"> ▪ Data needs are intensive or specialized ▪ Few readily available sources of data | Medium | Medium | North Jersey Transportation Planning Authority (NJTPA) has selected a reliability index that compares non-recurring delay to total delay. NJTPA uses a special post-processing module to its travel demand model to help produce this indicator. |
| Transit Travel | <ul style="list-style-type: none"> ▪ Load capacity | Focuses attention on transit travel and needed improvements | <ul style="list-style-type: none"> ▪ May be political sensitivity to showing transit performance | Low | Medium | Boston MPO measures peak-period passenger crowding and on-time performance by transit line. Using data collected on the regional transit system, the Massachusetts Bay |

| Type | Typical Metrics | Strengths | Limitations | Cost | Level of Effort | Examples (MPOs) |
|---|--|---|---|---------------|-----------------|--|
| Condition | <ul style="list-style-type: none"> Reliability of performance | | <ul style="list-style-type: none"> Data may not be readily available | | | Transportation Authority, the Boston MPO reports number of passengers per seat on transit lines in the peak period as well as the percentage of trips operating within five minutes of scheduled times. |
| Availability / Service Level for non-motorized travel | <ul style="list-style-type: none"> Extent of the bicycle, pedestrian, or transit network, and usage of networks | <ul style="list-style-type: none"> Balances the focus on roadway congestion by providing a way to evaluate transit, bicycle, and pedestrian needs Focuses attention on driving alternatives, which relates to managing congestion by curbing demand for roadway use Can identify most critical improvements needed for improving availability/service for alternative travel modes | Data may not be readily available | Low to Medium | Medium | <p>Hampton Roads Planning District Commission (HRPDC) provides an inventory of regional bicycle facilities in its CMS</p> <p>Wilmington Metropolitan Area Planning Council (WILMAPCO) provides an inventory of all existing non-motorized facilities, including sidewalks, crosswalks, footpaths and dedicated bike lanes along CMS network. The purpose is to show the extent to which non-motorized facilities have been provided and the further potential for addressing congestion by promoting non-motorized travel, as represented by gaps in the non-motorized system.</p> |
| Accessibility | <ul style="list-style-type: none"> Number or share of population access to desired destinations | <ul style="list-style-type: none"> Focuses attention on the link between transportation and land use Addresses the demand side of travel mobility | Data are often not readily available | Medium | Medium | Regional Transportation Commission of Southern Nevada (RTC) in Las Vegas reports the percentage of the region's housing units that are located within 1/4 mile of transit service. RTC used census data and GIS to develop the analysis. |
| Freight | <ul style="list-style-type: none"> Volume-to-capacity ratio Travel time index | Focuses attention on freight impacts of congestion | Data may not be readily available for measuring freight-related performance | Low | Medium | <p>WILMAPCO reports truck volumes on major CMS routes. Using data from Delaware DOT, WILMAPCO maps the information to display the daily truck traffic experienced by CMS routes. The data range from less than 500 trucks per day to over 5,000 trucks per day.</p> <p>Chicago Area Transportation Study (CATS) CMS devotes separate analysis to truck traffic by taking data from Illinois DOT regarding commercial vehicle traffic, CATS identified the routes most heavily used by trucks, estimated commercial vehicle miles traveled, and compared the totals year-by-year as well as county-by-county.</p> |

Source: CORE MPO CMP Update Study Team

2.2 Recommended Performance Measures

For the 2009 CMP Update, the use of the 2004 CMS performance measures (CI and approach LOS) are recommended for continued use as part of the CORE MPO CMP, where appropriate. Although the 2009 Update did not include an update to the regional roadway field data (travel time runs) that was collected in 2004, the same methodologies and measures utilized in the 2004 report are recommended for future use by the CORE MPO to continue to monitor and assess regional congestion.

In addition to the use of quantitative performance measures, (CI and approach LOS), the use of qualitative measures is also recommended for select areas based upon specific constraints. Specifically, the need for context sensitive solutions along the amenity corridors within the CORE MPO region requires improvements that will also include land use and design enhancements to improve mobility. For these locations where roadway widenings are not feasible, the CORE MPO recommends context sensitive qualitative performance measures, including:

- Preservation of regional mobility through the implementation of alternative access improvements to enhance local mobility;
- Implementation of sustainable development through the incorporation of mixed-use, pedestrian-oriented design that helps to minimize trip length;
- Promotion of multimodal connectivity through the implementation of transit, bicycle and pedestrian enhancements.

3.0 Congestion Management Strategy Development and Analysis

A primary goal of the CORE MPO CMP Update is to identify a set of strategies and tools that can aid in alleviating congestion in various locations throughout the MPO. In particular, two types of strategies have been identified that can each be applied to the CORE MPO planning area: 1) strategies that address traffic operational improvements, and 2) strategies that take a system-wide or “big picture” approach. The following sections expand on these strategies by presenting a case study for each strategy. These case studies identify ways to implement congestion management tools in their particular study areas, but the tools can also be applied to other locations throughout the region. The recommendations presented in this section will seek to preserve and enhance the existing system while contributing to the development of a safe and more efficient transportation network.

3.1 Congestion Management through Traffic Operational Improvements – Case Study: Victory Drive Hot-Spot Analysis

As part of the CMP Update, RS&H was asked to evaluate both short and long term alternatives in the area surrounding the new Home Depot shopping center on Victory Drive near Skidaway Road. The Victory Drive corridor near the Truman Parkway interchange is considered a “hot-spot” because it is a major east-west corridor experiencing much recent growth and redevelopment and localized congestion. The Victory Drive corridor in this area is also constrained as it is classified as a “transportation amenity corridor” because it is a memorial to veterans of World War I, a canopy road and also a community gateway. The purpose of this case study is to examine the existing conditions of and identify congestion management strategies for this area, the characteristics of which can be found in many other parts of the Savannah metropolitan area. The strategies developed through this case study can be applied to other locations that experience similar congestion issues.

Initially, at the brainstorming session on March 12, 2008 held between members of CORE MPO staff and RS&H staff, issues and opportunities were identified along Victory Drive and other similar corridors within the MPO. The lists below identify those that were named. Each of these issues and opportunities were taken into consideration as the Victory Drive case study was conducted, and as strategies were considered for similar corridors in the Savannah region.

Issues Identified for Victory Drive and Other Corridors in the Region:

- Corridor lacks vision;
- Lack of design standards along historic corridors;
- Congestion;
- Poor operations;
- Vehicle and pedestrian safety;
- Suburban-type strip development;
- Transit service;
- Maintain historicity and “uniqueness” of Victory Drive;
- Evacuation route;
- Need to be good stewards of perpetuating the Savannah vision;
- H.S. Truman interchange is out of context;
- Designation of facility;
- Canopy is both a constraint and an asset;
- Lack of future land use plan;

- Facility access for developers;
- Existing and future redevelopment pressures;
- Lack of east-west alternative;
- Traffic mix- commuter, local, and signature route;
- Corridor is a “work horse and a show horse”.

Opportunities Identified for Victory Drive and Other Corridors in the Region:

- Victory Drive is a signature corridor;
- Glorious old oaks reflect historicity of corridor;
- Historicity;
- A gateway from H.S. Truman Parkway;
- Embodies spirit of most of canopy roads in the Amenities Plan;
- Preservation/enhancement of corridor context;
- Redevelopment opportunities;
- More multimodal and pedestrian access;
- Truman bicycle/pedestrian trail;
- Acceptable congestion levels are defined;
- Restoration of grid network;
- Access to commercial properties from Rowland Avenue;
- Use of transportation network to foster more urban-type development; and
- Support community aspirations.

The evaluation along the Victory Drive corridor extends from the Truman Parkway interchange to Skidaway Road, as shown in Figure 3. Victory Drive has been identified in the MPO’s Transportation Amenities Plan and the 2004 CMS as a constrained corridor due to its canopy of large, old trees, yet this is an area of active commercial redevelopment. In addition, there is an existing Georgia Department of Transportation (GDOT) project planned for this area. The GDOT Concept Report for this planned project includes a restriping of the northbound off-ramps from Truman Parkway to include two right turn lanes and the extension of the southbound left turn lane at Wallin Street. The signals at Truman Parkway will also be upgraded. As part of this CMP Update, CORE MPO staff and the City of Savannah Traffic Engineer have coordinated with RS&H to build on this existing planned project to develop a vision plan for this area. This vision plan includes strategies to address existing and anticipated congestion through horizon year 2030 using context sensitive solutions that support desired development patterns.

The following sections examine the existing and future traffic operational conditions of the Victory Drive corridor, as well as alternatives for transportation improvements. Following the analysis of these alternatives, recommendations are presented for congestion alleviation along Victory Drive. The recommended strategies include tools that can be applied to similar hot-spot locations across the region. The performance measures identified in Section 2.2 including the context-sensitive performance measures will be utilized along the Victory Drive corridor (and other similar constrained locations across the region) to help reduce congestion and enhance mobility.

Figure 3. Study Area: Victory Drive Hot-Spot Analysis



Source: Mapquest; CORE MPO CMP Update Team

3.1.1 Existing Conditions

Victory Drive within the identified study area is a four-lane divided highway with a landscaped median. This portion of the corridor is characterized by “big-box” development, including a Home Depot, a Target and a Staples department store that has recently opened. Several other small businesses and shopping centers line the corridor, with multiple entrance/exit driveways along much of the roadway.

At the beginning of the study, it was determined that updated traffic counts and turning movements in the area were needed to adequately analyze the traffic conditions. RS&H met with MPC staff to determine the appropriate locations for these counts; the proposed count locations were also sent to the City staff for review. The traffic data was collected after the opening of the large retail shopping center in October 2007. In addition to weekday counts, Saturday counts were also collected due to the weekend traffic associated with the businesses at the shopping center. These detailed intersection traffic counts were used to build a corridor-level Synchro[®] traffic microsimulation model for the area. The Synchro[®] traffic analysis and modeling can be found in Appendix B.

Table 4 shows the results of the existing LOS and capacity analysis. Traffic flow through an intersection is affected by the volume of traffic, intersection geometry, and type of traffic control. These intersection-specific characteristics are used to define two measures of congestion: average delay (seconds) per vehicle and LOS. At intersections with traffic signals, six levels of service, from A to F, are related to vehicle delay. LOS A represents no congestion, while LOS F represents excessive delays with vehicles having to wait several signal cycles to clear an intersection.

The volume-to-capacity ratio (v/c ratio) is a measurement of roadway travel performance. It is calculated by dividing the demand flow rate by the capacity for a traffic facility. The demand flow rate is the number of vehicles passing a point on a lane or roadway during some time interval. The capacity is the maximum rate of flow of the roadway under ideal conditions. The v/c ratio is typically measured on critical peak hours (AM and PM).

Table 4 shows that overall intersection LOS conditions at levels D, E or F currently exist at the following intersections:

- Victory Drive at Truman NB Ramps
- Victory Drive at Wallin Road
- Victory Drive at Skidaway Road
- Victory Drive at Whatley Avenue

Additional traffic data and analysis documentation can be found in Appendix B.

Table 4. Existing Conditions - Victory Drive Level-of-Service and Capacity

| Intersection | Traffic Controller | Traffic Movement | | Level-of-Service | | Volume-to-Capacity Ratio | |
|----------------------------------|-------------------------|----------------------|----|------------------|---------|--------------------------|---------|
| | | | | AM Peak | PM Peak | AM Peak | PM Peak |
| Victory Drive at Truman SB Ramps | Signalized Intersection | Overall Intersection | | C | C | N/A | N/A |
| | | Eastbound | T | C | B | 0.32 | 0.32 |
| | | | R | A | A | 0.21 | 0.20 |
| | | Westbound | L | C | E | 0.88 | 0.88 |
| | | | T | A | A | 0.33 | 0.35 |
| | | Southbound | L | E | E | 0.20 | 0.49 |
| | | | R | C | C | 0.24 | 0.30 |
| Victory Drive at Truman NB Ramps | Signalized Intersection | Overall Intersection | | C | F | N/A | N/A |
| | | Eastbound | L | C | E | 0.13 | 0.26 |
| | | | T | B | C | 0.27 | 0.42 |
| | | Westbound | T | A | A | 0.44 | 0.40 |
| | | | R | A | A | 0.10 | 0.12 |
| | | Northbound | L | D | D | 0.28 | 0.17 |
| | | | R | F | F | 1.12 | 1.75 |
| Victory Drive at Wallin Road | Signalized Intersection | Overall Intersection | | D | C | N/A | N/A |
| | | Eastbound | L | E | E | 0.66 | 0.79 |
| | | | T | A | B | 0.46 | 0.66 |
| | | | R | A | A | 0.15 | 0.28 |
| | | Westbound | L | E | E | 0.22 | 0.40 |
| | | | TR | D | D | 0.99 | 0.74 |
| | | Northbound | L | D | E | 0.44 | 0.82 |
| | | | TR | C | D | 0.08 | 0.35 |
| | | Southbound | L | D | D | 0.06 | 0.24 |
| | | | TR | C | E | 0.68 | 0.85 |
| Victory Drive at | North-South | Overall Intersection | | N/A | N/A | N/A | N/A |

| Intersection | Traffic Controller | Traffic Movement | | Level-of-Service | | Volume-to-Capacity Ratio | |
|--|-------------------------|----------------------|-----|------------------|---------|--------------------------|---------|
| | | | | AM Peak | PM Peak | AM Peak | PM Peak |
| Shopping Center Entrance/Exit | Stop | Northbound | R | B | C | 0.03 | 0.34 |
| Victory Drive at Skidaway Road | Signalized Intersection | Overall Intersection | | D | D | N/A | N/A |
| | | Eastbound | L | E | E | 0.54 | 0.67 |
| | | | T | C | D | 0.46 | 0.85 |
| | | | R | A | B | 0.23 | 0.17 |
| | | Westbound | L | D | F | 0.63 | 0.79 |
| | | | T | D | D | 0.82 | 0.60 |
| | | | R | B | B | 0.08 | 0.14 |
| | | Northbound | L | E | F | 0.63 | 0.88 |
| | | | TR | D | E | 0.65 | 0.78 |
| | | Southbound | L | E | E | 0.51 | 0.64 |
| | | | TR | D | E | 0.62 | 0.76 |
| Victory Drive at Whatley Avenue | Signalized Intersection | Overall Intersection | | D | C | N/A | N/A |
| | | Eastbound | L | A | A | 0.04 | 0.06 |
| | | | TR | C | D | 0.57 | 0.93 |
| | | Westbound | L | B | B | 0.68 | 0.26 |
| | | | TR | E | C | 1.01 | 0.64 |
| | | Northbound | LT | D | D | 0.46 | 0.58 |
| | | | R | A | A | 0.28 | 0.55 |
| | | Southbound | LTR | D | C | 0.15 | 0.14 |
| Rowland Avenue at Whatley Avenue | East-West Stop | Overall Intersection | | N/A | N/A | N/A | N/A |
| | | Eastbound | LTR | A | A | 0.02 | 0.05 |
| | | Westbound | LTR | A | A | 0.01 | 0.01 |
| | | Northbound | LTR | B | D | 0.37 | 0.74 |
| | | Southbound | LTR | C | C | 0.63 | 0.40 |
| Skidaway Road at Rowland Avenue | East-West Stop | Overall Intersection | | N/A | N/A | N/A | N/A |
| | | Eastbound | LTR | E | F | 0.03 | 0.02 |
| | | Westbound | LTR | F | F | 0.69 | 0.87 |
| | | Northbound | LTR | A | A | 0.01 | 0.01 |
| | | Southbound | L | A | B | 0.10 | 0.06 |
| Shopping Center Entrance/Exit at Skidaway Road | East-West Stop | Overall Intersection | | N/A | N/A | N/A | N/A |
| | | Eastbound | LTR | C | F | 0.14 | 1.04 |
| | | Westbound | LTR | C | E | 0.02 | 0.08 |
| | | Northbound | LTR | A | A | 0.03 | 0.06 |
| | | Southbound | L | B | A | 0.01 | 0.01 |
| Shopping Center Entrance/Exit | Signalized Intersection | Overall Intersection | | A | B | N/A | N/A |
| | | Eastbound | LTR | A | C | 0.13 | 0.47 |
| | | Westbound | LTR | B | C | 0.01 | 0.01 |

| Intersection | Traffic Controller | Traffic Movement | | Level-of-Service | | Volume-to-Capacity Ratio | |
|------------------|--------------------|------------------|----|------------------|---------|--------------------------|---------|
| | | | | AM Peak | PM Peak | AM Peak | PM Peak |
| at Skidaway Road | | Northbound | L | A | D | 0.04 | 0.38 |
| | | | TR | A | B | 0.34 | 0.67 |
| | | Southbound | TR | A | B | 0.34 | 0.64 |

N/A = Not Applicable

Source: CORE MPO CMP Update Study Team

Existing development patterns in the Victory Drive / Truman Parkway vicinity is generally suburban-style commercial development characterized by large surface parking facilities in front of retail and numerous access points / driveways fronting Victory Drive and major side streets. There are few pedestrian, bicycle and transit amenities, and little inter-parcel access.

3.1.2 Alternatives Analysis

Once the existing conditions analysis was completed, the results were presented and discussed at a workshop held on November 9, 2007 with RS&H and City, MPO and GDOT staff. The primary purpose of the workshop was to develop short and long range alternative scenarios for analysis. The following short-term (2010) alternatives were identified:

- **Alternative 1:** At the intersection of Wallin Street and Victory Drive, change the Northbound and southbound approach left-turn traffic signalization to split-phase.
- **Alternative 2:** At the intersection of Wallin Street and Victory Drive, add a dual left-turning lane for the northbound approach (exiting the shopping center).
- **Alternative 3:** At the intersection of Wallin Street and Victory Drive, prohibit the northbound left-turning movement and relocate it to the intersection of Victory Drive and the Aaron's Rents driveway. Also consider a roundabout, jug-handle, traffic signal or other innovative similar treatment to facilitate the northbound left-turning traffic and improve the traffic flow entering and exiting the shopping center.
- **Alternative 4:** Conduct a signal warrant analysis at the Skidaway Road/Rowland Avenue intersection (requested by the City of Savannah).

Figure 4. Proposed Short-Term Victory Drive Improvement Alternatives

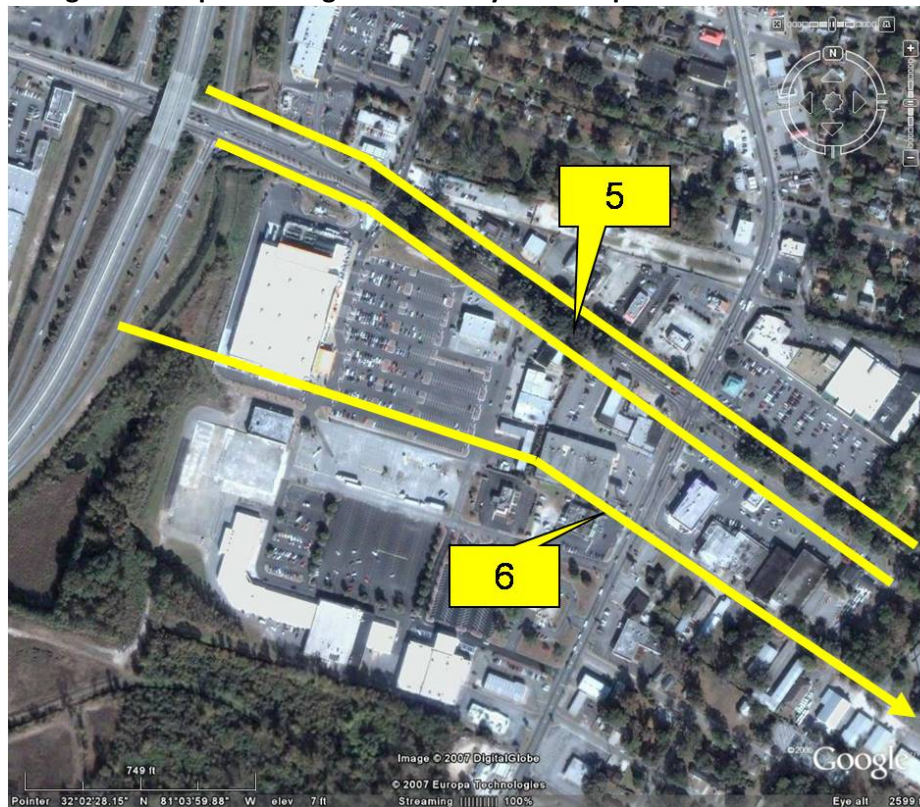


Source: CORE MPO CMP Update Study Team

The following long-term (2030) alternatives were identified:

- **Alternative 5:** Implement a frontage road system on the south side of Victory Drive, including a slip ramp from the northbound exit ramp of Truman Parkway directly into the adjacent shopping center. Extend this connection west of Truman Parkway, if feasible.
- **Alternative 6:** Improve Rowland Avenue so that it serves as a bypass to the Victory Drive corridor.

Figure 5. Proposed Long-Term Victory Drive Improvement Alternatives



Source: CORE MPO CMP Update Study Team

Short-Term (2010) Alternatives Analysis

The intersection of Victory Drive and Wallin Street, as described by alternatives 1 and 2, were analyzed together using Synchro[®]/SimTraffic. Analysis of the 2010 No Build Condition, in which no improvements are made, indicated that the northbound approach has a maximum queue length of 415 feet, with an average queue length of 175 feet. Next the Build Conditions were analyzed: the northbound and southbound left-turn treatment was changed from Protected to Split, and two left-turn lanes were provided for the northbound left-turn movement, with 125 feet of storage. With these two improvements, the northbound approach maximum queue length is reduced to 230 feet, with an average queue of 140 feet. This reduction in queue length would facilitate improved flow and better parking lot access for the vehicles entering the shopping center at this intersection. Further analysis of the left-turn treatments showed that the reduction in queue is not actually a result of the change in left-turn treatments, but is the result only of the dual left-turn lanes. Finally, by extending the storage length from 125 feet to 150 feet, the maximum and average queues for the northbound approaches would be 180 and 100 feet, respectively. **Table 5** and **Figure 7** depict the queue lengths and the impacted area internal to the shopping center as described by alternatives 1 and 2.

**Table 5. Shopping Center Northbound Approach Queue Lengths, Associated with Alternatives 1 and 2:
Intersection of Victory Drive and Wallin Street**

| Alternative | Maximum Queue Length | Average Queue Length |
|---------------|----------------------|----------------------|
| No Build | 415 feet | 175 feet |
| Alternative 1 | 230 feet | 140 feet |
| Alternative 2 | 180 feet | 100 feet |

Source: CORE MPO CMP Update Study Team

Figure 6. Shopping Center Queue Lengths Associated with Alternatives 1 and 2



Source: CMP Update Study Team

It was determined that Alternative 3 is not a feasible option because a sight distance issue is created by the large live oak trees adjacent to Victory Drive. This alternative would also require a median cut at the eastern entrance to the shopping center, which would be impractical. Each of the innovative intersection treatments initially identified for this location would not be effective due to these constraints. Additionally, a new signal would be required, which is not feasible due to the proximity of the existing signals on Victory Drive. Alternative 3 was discounted for these reasons.

Figure 7. Sight Distance Issues at Victory Drive/Walling Street: Live Oak Trees



Source: CORE MPO CMP Update Study Team

For Alternative 4, a signal warrant analysis was performed at the intersection of Skidaway Road and Rowland Avenue to determine the need for a signal. As presented in the 2007 Existing Conditions analysis from the 2004 CMP, traffic volume on Rowland Avenue either approaches or exceeds the roadway capacity limits at its intersection with Skidaway Road during the AM and PM peak hours. The analysis concluded that four of the eight warrants are met for installing a traffic signal at this intersection, including:

- Warrant 1: Eight-hour vehicular volume,
- Warrant 2: Four-hour vehicular volume,
- Warrant 6: Coordinated Signal System, and
- Warrant 8: Roadway Network.

The results of the signal warrant analysis were provided to the City and to MPC staff on December 14, 2007. The details can be found in Appendix B.

Long-Term (2030) Alternatives Analysis

For Alternative 5, a frontage road system would be implemented from the northbound off-ramp of Truman Parkway to the east along Victory Drive. A slip ramp from Truman Parkway would exit adjacent to the shopping center, providing direct access parallel to Victory Drive in addition to along Victory Drive itself. This frontage system would terminate on the east by merging back onto Skidaway Drive, diverting

the shopping center traffic from Victory Drive. The creation of this frontage road system would thereby create an “urban boulevard” in this heavily-traveled area. Figure 9 depicts this alternative.

Figure 8. Proposed Frontage Road, Alternative 5



Source: Google; CORE MPO CMP Update Study Team

The results show that Alternative 5 (designated Scenario 1) would likely remove a moderate amount of traffic volumes from Victory Drive between the northbound ramps and Home Depot Entrance. Table 6 presents a summary of this analysis. The analysis also indicates that Scenario 1 would also help to provide more green time to the eastbound Victory Drive movement at the Wallin Street intersection by moving the westbound left turn movement to the Skidaway Road signal. Based upon these improvements, traffic operations along Victory Drive would have moderate improvement.

Table 6. 2030 Conditions PM Peak Hour – Victory Drive Area, Intersection Capacity Analysis Results

| Intersection | Traffic Controller | Traffic Movement | | 2030 No Build Conditions | | 2030 Build Conditions Scenario 1 | |
|---------------------------------------|-------------------------|----------------------|------|--------------------------|--------------------------|----------------------------------|--------------------------|
| | | | | Level of Service | Volume-to-Capacity Ratio | Level of Service | Volume-to-Capacity Ratio |
| Victory Drive at Truman SB Ramps | Signalized Intersection | Overall Intersection | | D | N/A | D | N/A |
| | | Eastbound | T | B | 0.39 | B | 0.39 |
| | | | R | A | 0.25 | A | 0.25 |
| | | Westbound | L | F | 1.08 | F | 1.08 |
| | | | T | A | 0.43 | A | 0.43 |
| | | Southbound | L | E | 0.60 | E | 0.60 |
| | | | R | C | 0.34 | C | 0.34 |
| Victory Drive at Truman NB Ramps | Signalized Intersection | Overall Intersection | | B | N/A | C | N/A |
| | | Eastbound | L | E | 0.31 | E | 0.31 |
| | | | T | C | 0.51 | C | 0.51 |
| | | Westbound | T | B | 0.51 | B | 0.51 |
| | | | R | A | 0.15 | A | 0.15 |
| | | Northbound | L | D | 0.41 | D | 0.41 |
| | | | R | A | 0.50 | D | 0.93 |
| Victory Drive at Wallin Road | Signalized Intersection | Overall Intersection | | E | N/A | D | N/A |
| | | Eastbound | L | E | 0.81 | E | 0.81 |
| | | | T | E | 0.84 | D | 0.78 |
| | | | R | A | 0.35 | N/A | |
| | | Westbound | L | E | 0.46 | N/A | |
| | | | TR | E | 1.00 | D | 0.34 |
| | | Northbound | L | D | 0.57 | E | 0.63 |
| | | | TR | E | 0.43 | E | 0.63 |
| | | Southbound | L | D | 0.25 | N/A | |
| TR | F | | 0.92 | B | 0.56 | | |
| Frontage Road at Shopping Center Exit | North-South Stop | Overall Intersection | | N/A | | N/A | |
| | | Northbound | R | N/A | | B | 0.19 |
| Victory Drive at Skidaway Road | Signalized Intersection | Overall Intersection | | F | N/A | F | N/A |
| | | Eastbound | L | E | 0.73 | E | 0.73 |
| | | | T | F | 1.11 | F | 1.11 |
| | | | R | B | 0.22 | B | 0.22 |
| | | Westbound | L | F | 0.93 | F | 1.17 |
| | | | T | D | 0.81 | D | 0.81 |
| | | | R | B | 0.19 | B | 0.19 |
| | | Northbound | L | F | 1.08 | F | 1.08 |
| | | | TR | E | 0.91 | E | 0.91 |
| Southbound | L | F | 0.74 | F | 0.74 | | |
| | TR | E | 0.85 | E | 0.85 | | |
| Victory Drive at | Signalized | Overall Intersection | | E | N/A | E | N/A |

2009 CONGESTION MANAGEMENT PROCESS UPDATE

| Intersection | Traffic Controller | Traffic Movement | | 2030 No Build Conditions | | 2030 Build Conditions Scenario 1 | |
|--|-------------------------|----------------------|-----|--------------------------|------|----------------------------------|------|
| Whatley Avenue | Intersection | Eastbound | L | A | 0.08 | A | 0.08 |
| | | | TR | F | 1.14 | F | 1.14 |
| | | Westbound | L | B | 0.31 | B | 0.31 |
| | | | TR | C | 0.79 | C | 0.79 |
| | | Northbound | LT | E | 0.74 | E | 0.74 |
| | | | R | B | 0.69 | B | 0.69 |
| | | Southbound | LTR | C | 0.17 | C | 0.17 |
| Rowland Avenue at Whatley Avenue | East-West Stop | Overall Intersection | | N/A | | N/A | |
| | | Eastbound | LTR | A | 0.08 | A | 0.08 |
| | | Westbound | LTR | A | 0.67 | A | 0.67 |
| | | Northbound | LTR | C | 0.01 | C | 0.01 |
| | | Southbound | LTR | E | 0.01 | E | 0.01 |
| Skidaway Road at Rowland Avenue | East-West Stop | Overall Intersection | | N/A | N/A | N/A | N/A |
| | | Eastbound | LTR | F | 0.05 | F | 0.06 |
| | | Westbound | LTR | F | 1.70 | F | 1.78 |
| | | Northbound | LTR | B | 0.01 | B | 0.01 |
| | | Southbound | L | B | 0.09 | B | 0.09 |
| Shopping Center Entrance/Exit at Skidaway Road | East-West Stop | Overall Intersection | | N/A | | N/A | |
| | | Eastbound | LTR | F | 2.39 | F | 2.61 |
| | | Westbound | LTR | F | 0.24 | F | 0.28 |
| | | Northbound | LTR | B | 0.08 | B | 0.09 |
| | | Southbound | L | B | 0.01 | B | 0.01 |
| Shopping Center Entrance/Exit at Skidaway Road | Signalized Intersection | Overall Intersection | | C | N/A | C | N/A |
| | | Eastbound | LTR | C | 0.51 | C | 0.51 |
| | | Northbound | L | D | 0.45 | D | 0.45 |
| | | | TR | C | 0.83 | C | 0.83 |
| | | Southbound | TR | C | 0.80 | C | 0.86 |
| Piggly Wiggly Entrance/Exit at Victory Drive | Signalized Intersection | Overall Intersection | | C | N/A | C | N/A |
| | | Eastbound | L | A | 0.03 | A | 0.03 |
| | | | TR | D | 0.68 | D | 0.68 |
| | | Westbound | L | A | 0.09 | A | 0.09 |
| | | | TR | A | 0.50 | A | 0.50 |
| | | Northbound | L | E | 0.57 | F | 0.57 |
| | | | TR | C | 0.20 | C | 0.20 |
| | | Southbound | L | E | 0.18 | E | 0.18 |
| | | | TR | D | 0.09 | D | 0.09 |

N/A – Not Applicable

Bold, Gray = Failing

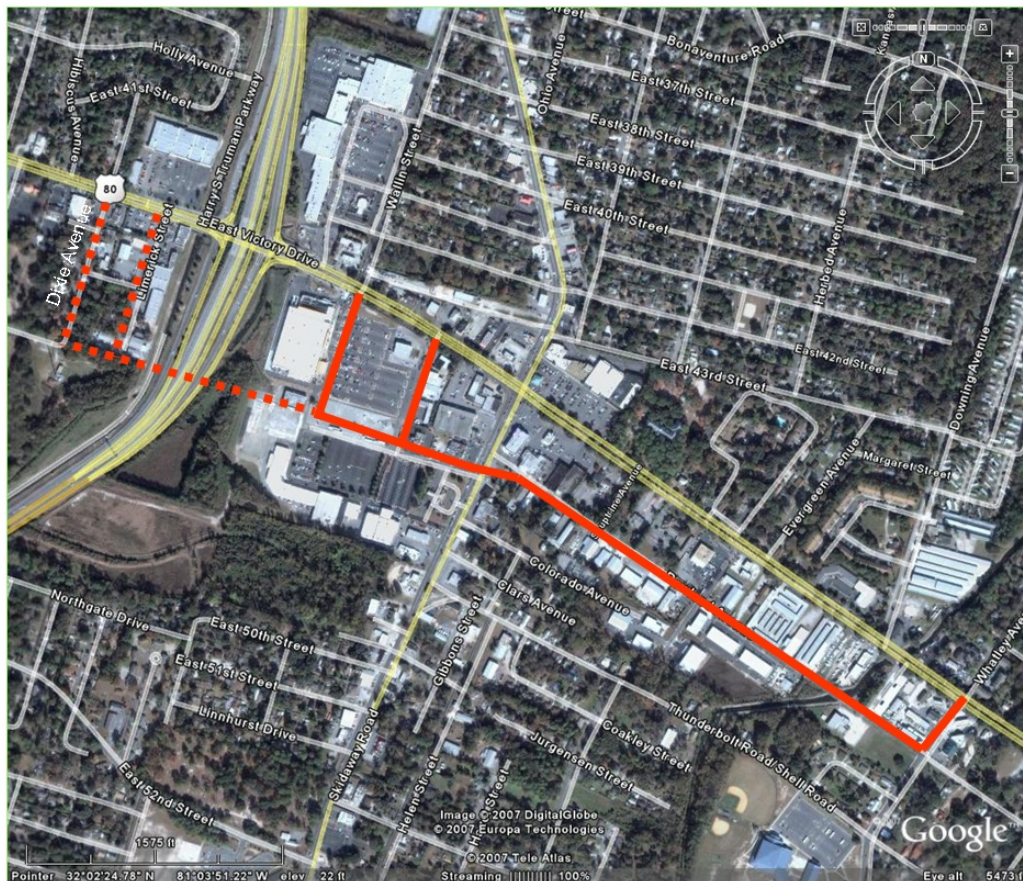
Source: CORE MPO CMP Update Study Team

Alternative 6 consists of several improvements to Rowland Avenue in the area of the Blockbuster/Rite Aid strip mall, to help divert traffic from Victory Drive. Specific improvements under this alternative

include the widening of Rowland Avenue to four lanes with improvements to surrounding intersections. These intersection improvements would be implemented in a way that promotes the use of Rowland Avenue as a bypass to Victory Drive.

Alternative 6 included an assessment of several bypass alternatives using the regional travel demand models as a tool. Two models were utilized by RS&H staff: the model used for the Adopted 2004 financially-constrained LRTP Update, and the Chatham County Interstate Study (CCIS) model. Figure 9 presents an overview of the “Rowland Avenue Extension/Victory Drive Reliever” that was tested using the travel demand model, extending west from Rowland Avenue and connecting to Kerry Street west of Truman Parkway. The proposed extension/reliever would be designed to pass through the space between the new Target and Home Depot shopping centers (approximately 80 feet apart).

Figure 9. Conceptual Layout of Victory Drive Bypass, Alternative 6



Source: CORE MPO CMP Update Study Team

Several combinations of alternatives were tested using the various travel demand models, including:

- Two-way ramp connection to the parallel reliever;
- One-way ramp connection to the parallel reliever;
- Parallel reliever as an overpass / flyover (not connecting to Truman Parkway Ramps); and

- Parallel reliever as both a two-lane and as a four-lane facility.

The results of the analyses are summarized on Table 7. Additional details, methodologies, model output screen captures and results are presented as Appendix B of this report.

Table 7. Summary of CORE MPO 2030 Constrained Model Results

| | 2030 Base Scenario | RSH 2030 with Two-Way Ramp Connection | | RSH 2030 with Parallel Reliever as Overpass | | CUTS Staff Analysis ⁷ 2030 | |
|---|--------------------------------------|---|---|---|-------------------------------------|---------------------------------------|--------------------------------------|
| | Original 2030 CUTS Constrained model | with Rowland Ave added and extended as 2-lane road | with Rowland Ave added and extended as 4-lane road | with Shell Rd extended | With Rowland Ave added and extended | with interim ramp connection | with two-way ramp connection |
| Max daily two-way volume estimate on SR 80 | 43,430 | 37,600 (5,830 less than base) | 35,000 (8,430 less than base) | 40,410 (3,020 less than base) | 40,180 (3,250 less than base) | 39,950 | 31,500 |
| Peak hour two-way volume estimate on SR 80 | 5,330 | 4,540 (790 less than base) | 4,190 (1,140 less than base) | 4,920 (410 less than base) | 4,920 (410 less than base) | -- | -- |
| Reliever max daily volume | -- | 9,370 (two-way two lanes total) | 18,300 (two-way four lanes total) | 5,280 (two-way two lanes total) | 4,990 (two-way two lanes total) | 8,050 (two one-way lanes) | 22,060 (two-way four lanes total) |
| Max peak hour two-way volume estimate on reliever | -- | 1,230 | 2,360 | 630 | 600 | -- | -- |

Source: CORE MPO CMP Update Study Team

⁷ CUTS Staff model utilized for analysis is different than the two models utilized by RS&H (model from the 2004 Adopted LRTP and the CCIS model)

As presented in Table 7, with the two-lane reliever, the maximum two-way daily reduction is 5,830 vehicles. With a four-lane connector, the maximum two-way daily reduction is 8,430 vehicles. With the distance between the Target and Home Depot shopping centers of approximately 80 feet, constructing a four-lane reliever structure with adequate shoulders, and still leaving enough room on the ground to access the rear of the stores would be difficult. Construction of a two-lane reliever structure would be most feasible in regards to geometric constraints and spacing of the stores within the shopping center.

3.1.3 Short-range Improvements/Recommendations

The analysis described in the previous sections has led to the identification of several recommendations for improvements in the Victory Drive area of Savannah, as well as improvements that could be made throughout the CORE MPO region in similar locations. These recommendations are detailed in the following sections.

3.1.3.1 Recommendations for Victory Drive Corridor

Based on the findings of the alternatives analysis portion of the study, the following recommendations are made for the short term. It is anticipated that these recommendations, along with the current programmed GDOT projects of dual right turn-lanes from the northbound exit ramp of Truman Parkway onto Victory Drive and the extension of the eastbound left turn lane on Victory Drive at Wallin Street, will aid in alleviating congestion in the area.

1. Implement a dual left turn lane configuration for the westbound traffic exiting the shopping center at the Victory Drive intersection with Wallin Street.
2. Reconfigure Rowland Avenue at Skidaway Road to align with the entrance into the shopping center.
3. Install a signal at the new Rowland Avenue/Shopping Center entrance intersection identified in Recommendation #2 above.
4. Work with the shopping center property owners to close off the northernmost entrance bay in the parking lot by the Wallin Street entrance. This is required to allow enough vehicle storage in the dual left turn-lane bays.

The realignment of Rowland Avenue (recommendation #2) will work more efficiently both in the short term and in the long term regardless of other recommended alternatives. The new alignment consolidates two intersections and provides parallel capacity to Victory Drive directly from the shopping center.

3.1.3.2 Recommendations for CORE MPO Region

There are multiple locations in the CORE MPO region that suffer from many of the same issues that the Victory Drive corridor faces. For this reason, the recommendations made for Victory Drive have been evaluated and generalized so that they can be applied to many other locations in the CORE MPO region. Table 8 below presents the alternatives evaluated for the Victory Drive corridor and corresponding congestion mitigation measures that can be implemented across the CORE MPO. Additionally, Table 9 presents policy recommendations that can aid in the implementation of these congestion mitigation measures.

Table 8. Congestion Mitigation Measures for Implementation Across CORE MPO

| Victory Drive Recommendations | Potential Congestion Mitigation Measure for Implementation Across CORE MPO |
|--|---|
| Implement split-phasing for traffic signal | Optimize signal timing at intersections to maximize signal effectiveness |
| Implement dual left turn lane configuration at Wallin St. intersection | Assess & implement effective intersection operation improvements requiring minimal funding and right of way |
| Relocate left-turning movement from Wallin St. to Aaron Rents driveway | Implement access management strategies that allow more efficient flow of traffic from roadways to surrounding parcels |
| Improve shopping center entering and exiting traffic flow with a roundabout, jug handle, or traffic signal | Utilize innovative intersection treatments to improve operations & enhance character of corridors |
| Conduct signal warrant analysis at Skidaway Rd/Rowland Ave intersection | Perform signal warrant analysis to determine intersections in need of signals in order to improve intersection and corridor operations |
| Implement a frontage road system from Truman Pkwy along the south side of Victory Dr. | Seek opportunities to improve connections from limited access highways directly to activity centers, such as shopping centers or historical sites |
| Reconfigure Rowland Ave./Shopping center entrance | Provide effective street hierarchy other than arterials (e.g., a grid) that provides alternatives to mobility |

Source: CORE MPO CMP Update Study Team

Table 9. Policy Considerations for Congestion Mitigation in CORE MPO

| Policy | Actions Involved |
|---|---|
| Review New Developments & Redevelopments | Ensure sufficient capacity on adjacent roadways (through CORE MPO Traffic Impact Assessment Review Process). Include a review of operations, access, and safety. |
| Partner with Private Sector to Enhance Mobility | Review of site applications should include a discussion/evaluation of existing and projected traffic congestion as well as implementation of transportation improvements. |

| Policy | Actions Involved |
|-------------------------------------|--|
| Coordinate with Comprehensive Plans | Ensure that comprehensive plans include provisions highlighting areas of localized congestion & tools/strategies to assist with managing new and redevelopments that may worsen congestion |

Source: CORE MPO CMP Update Study Team

3.1.4 Long-range Improvements/Recommendations

At the conclusion of the alternative analysis portion of this case study, long-term recommendations were considered. As discussed earlier, the frontage road system would provide some moderate benefit to Victory Drive.

The development of a bypass / reliever (parallel to Victory Drive) would also have moderate benefit to Victory Drive, by diversion of some local trips destined for the Home Depot / Target commercial developments. Specifically, the reliever (as a two-lane facility) would remove approximately 5,800 vehicles per day from Victory Drive, which is equivalent approximately one (1) lane on Victory Drive. Several alternatives associated with a parallel Victory Drive reliever were assessed. These included: 1) a full-grade separated flyover across Truman Parkway and, 2) the addition of a slip ramp from the Truman Parkway northbound off-ramp exiting into a new roadway (through the Home Depot / Target property) connecting into Rowland Avenue to the east. Alternative 2 (slip ramp with new connection to Rowland Avenue) is recommended to obtain the greatest benefit in traffic relief from Victory Drive from the least intrusive and costly improvement of the two evaluated. Further detailed engineering analysis is required to fully assess the geometric and traffic operational details required to implement this improvement. Further, discussions with the private land owners will also need to take place prior to advancing this concept further in the CORE MPO regional planning process.

Other alternatives were also considered and evaluated including adding a triple-left turn lane at the westbound Victory Drive approach to the southbound Truman Parkway on-ramps. According to the traffic modeling analysis, triple left-turn lanes would help to improve the LOS. However, triple left-turns often cause many issues with lane utilization, and actually “real life” operations are generally much different from what the traffic simulation model depicts. Generally, drivers tend to use the continuous left-turn lane versus a left-turn lane that will drop (merge) at some short distance (i.e. 500 to 2,000 feet). Additionally, to provide adequate space for the additional left-turn lane for this movement, the southbound Truman Parkway on-ramp would need to be widened. For these reasons, the additional (third) left-turn lane is not recommended.

Widening of Victory Drive has also been disregarded due to the impacts it would have to the character and tree canopy along the roadway. However, from purely a traffic movement perspective, the addition of one lane in each direction (creating a six-lane roadway) with dual left lanes for all westbound Victory Drive left-turn movements would improve the LOS to a “D” at each intersection along Victory Drive.

Future land use and urban design enhancements are also proposed for the study area. As discussed in Section 2.2, there is an eminent need to reduce trips and enhance multimodal travel opportunities within the Victory Drive corridor (and all other constrained corridors in the CORE MPO region). This need will grow with increasing regional population and employment within the region. Future land use changes are recommended to meet the context sensitive measures identified, including:

- Preservation of regional mobility through the implementation of alternative access improvements to enhance local mobility;

Recommendations for CORE MPO Region:

- *Identify key constrained corridors, and implement detailed access management studies to identify corridor level improvements, including the potential improvements to parallel facilities that enhance both regional and local mobility;*
 - *Develop CORE MPO regional thoroughfare plan incorporating recommendations from individual corridor access management studies;*
 - *Develop overlay ordinances with access management requirements for applicable constrained corridors; and*
 - *Implement improvements, and monitor traffic operations along constrained corridors through future CORE MPO CMP updates.*
- Implementation of sustainable development through the incorporation of mixed-use, pedestrian-oriented design that helps to minimize trip length;

Recommendations for CORE MPO Region:

- *Identify major land areas along constrained corridors to identify potential needs to the future land use map, including the potential of overlay districts in specific areas;*
 - *Implement recommended development (as market conditions permit), and monitor traffic operations along constrained corridors through future CORE MPO CMP updates*
- Promotion of multimodal connectivity through the implementation of transit, bicycle and pedestrian enhancements.

Recommendations for CORE MPO Region:

- *Adopt “Complete Streets” design ordinance and implement through the constrained corridor overlay districts;*
- *Include specific multimodal transportation enhancements in all future projects within and adjacent to constrained corridors;*
- *Monitor traffic operations along constrained corridors through future CORE MPO CMP updates, and consider implementation of Multimodal Transportation Districts (similar to the model developed by the Florida Department of Transportation – Office of Systems Planning).*

3.2 Congestion Management through Traffic Operational Improvements – Case Study: SR 21 Hot Spot Analysis

The SR 21 corridor is one of the major routes connecting the Port of Savannah to I-95. As such, there are heavy truck movements along the corridor that are fully exacerbated by the numerous light industrial land uses present along the corridor. At part of the CMP Update, a portion of SR 21 was evaluated to identify existing deficiencies to determine potential short-term improvements along the corridor. Long-term improvements for the corridor are being evaluated as part of the State Road and

Tollway Authority's (SRTA) Savannah Northwest Toll Expressway Study; therefore, a long term analysis of future conditions was not completed as part of this analysis.

After discussions with MPC staff, traffic counts were collected in October 2007 at the following study intersections along SR 21, also shown on Figure 10:

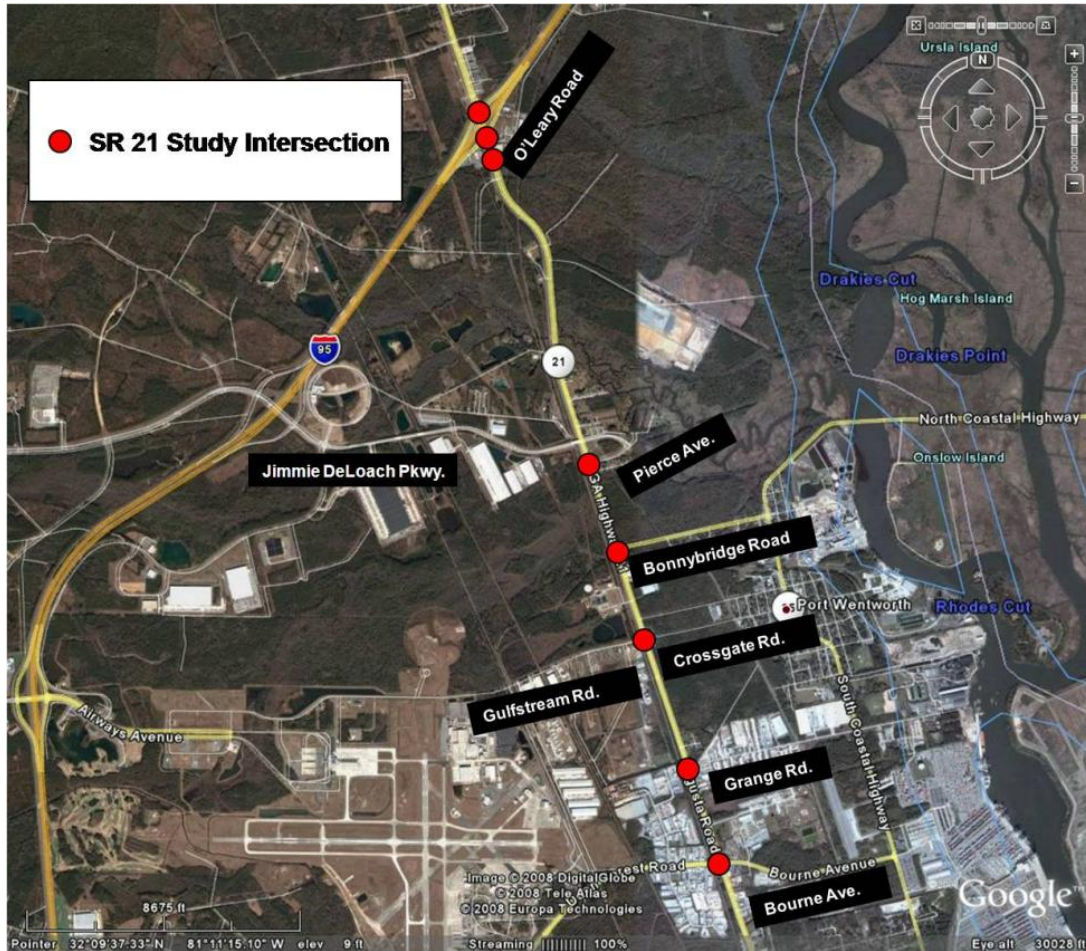
- I-95 southbound ramps
- I-95 northbound ramps
- O'Leary Road
- Pierce Ave/Jimmy DeLoach Parkway
- Bonnybridge Road
- Gulfstream Road / Crossgate Road
- Grange Road
- Bourne Avenue

These detailed intersection traffic counts were used to build a corridor-level Synchro® traffic microsimulation model for the study area. Table 10 shows the results of the existing LOS and capacity analysis for the SR 21 corridor, which are also summarized below.

1. The northbound SR 21 through movement (at the I-95 SB ramps) queue is about 450 feet. This movement's average queue is only 100 feet with Level of Service C or better indicating a satisfactory traffic flow.
2. The northbound SR 21 through movement (at Bonnybridge Road) queue is about 750 feet, indicating a congestion problem (about 1,500 vph).
3. The northbound SR 21 through movement (at Gulfstream Road) queue is about 950 feet, indicating a congestion problem (about 1,300 vph). The back-up from this movement is also causing congestion for the northbound SR 21 left- and right turning movements at this intersection.
4. The eastbound Bourne Avenue through movement (at SR 21) queue is about 800 feet. However, the simulation indicates that this back-up is actually caused by the eastbound Bourne Avenue left-turning movement. During about 50% of the PM Peak hour, the eastbound left-turning movement blocks the through movement lanes by exceeding the provided storage length.
5. The northbound SR 21 left-turn movement (at Bourne Avenue) queue is about 500 feet, indicating a congestion problem. However, the storage length for this movement is 565 feet and hence is not negatively impacting the through movement.
6. The northbound SR 21 through movement (at Bourne Avenue) queue is about 750 feet, indicating a congestion problem (about 1,200 vph).

Additional traffic data and analysis documentation can be found in Appendix B.

Figure 10. SR 21 Study Area Intersections



Source: CORE MPO CMP Update Study Team

Table 10. Existing Conditions: SR 21 Level of Service and Capacity (PM Peak Hour)

| Intersection | Traffic Controller | Traffic Movement | | Level of Service | Volume-to-Capacity Ratio | Maximum Queue | Average Queue |
|------------------------|-------------------------|----------------------|---|------------------|--------------------------|---------------|---------------|
| SR 21 at I-95 SB Ramps | Signalized Intersection | Overall Intersection | | C | N/A | N/A | N/A |
| | | Westbound | L | E | 0.35 | 152 | 71 |
| | | Northbound | L | D | 0.62 | 244 | 90 |
| | | | T | C | 0.91 | 389 | 100 |
| | | Southbound | T | B | 0.18 | 156 | 30 |
| | | | R | A | 0.50 | 182 | 48 |
| SR 21 at I-95 NB Ramps | Signalized Intersection | Overall Intersection | | F | N/A | N/A | N/A |
| | | Eastbound | L | F | 1.71 | 1700 | 1700 |
| | | Northbound | T | B | 0.39 | 210 | 99 |
| | | | R | A | 0.14 | 77 | 4 |

2009 CONGESTION MANAGEMENT PROCESS UPDATE

| Intersection | Traffic Controller | Traffic Movement | | Level of Service | Volume-to-Capacity Ratio | Maximum Queue | Average Queue |
|---------------------------------|-------------------------|----------------------|----|------------------|--------------------------|---------------|---------------|
| | | Southbound | L | E | 0.52 | 129 | 47 |
| | | | T | A | 0.30 | 181 | 66 |
| SR 21 O'Leary Road | Signalized Intersection | Overall Intersection | | C | N/A | N/A | N/A |
| | | Eastbound | TL | E | 0.80 | 269 | 147 |
| | | | R | A | 0.35 | 175 | 67 |
| | | Westbound | TL | E | 0.61 | 171 | 71 |
| | | | R | A | 0.27 | 119 | 40 |
| | | Northbound | L | E | 0.41 | 164 | 61 |
| | | | T | B | 0.45 | 318 | 133 |
| | | | R | A | 0.12 | 182 | 22 |
| | | Southbound | L | E | 0.25 | 80 | 23 |
| | | | T | B | 0.36 | 194 | 62 |
| | | | R | A | 0.08 | 34 | 5 |
| SR 21 at Pierce Avenue | Signalized Intersection | Overall Intersection | | B | N/A | N/A | N/A |
| | | Westbound | L | D | 0.57 | 156 | 86 |
| | | | R | B | 0.03 | 14 | 3 |
| | | Northbound | T | B | 0.65 | 342 | 160 |
| | | | R | A | 0.47 | 144 | 66 |
| | | Southbound | L | D | 0.17 | 65 | 18 |
| | | | T | A | 0.30 | 146 | 54 |
| SR 21 at Bonnybridge Road | Signalized Intersection | Overall Intersection | | B | N/A | N/A | N/A |
| | | Westbound | L | D | 0.21 | 232 | 47 |
| | | | R | B | 0.68 | 382 | 181 |
| | | Northbound | T | B | 0.70 | 690 | 266 |
| | | | R | A | 0.06 | 203 | 23 |
| | | Southbound | L | B | 0.54 | 190 | 83 |
| | | | T | A | 0.34 | 206 | 84 |
| SR 21 Gulfstream/Crossgate Road | Signalized Intersection | Overall Intersection | | D | N/A | N/A | N/A |
| | | Eastbound | LT | E | 0.68 | 391 | 183 |
| | | | R | B | 0.41 | 195 | 63 |
| | | Westbound | LT | E | 0.57 | 219 | 107 |
| | | | R | B | 0.45 | 133 | 65 |
| | | Northbound | L | E | 0.67 | 394 | 166 |
| | | | T | D | 0.87 | 1000 | 492 |
| | | | R | B | 0.13 | 393 | 61 |
| | | Southbound | L | E | 0.40 | 132 | 54 |
| | | | T | D | 0.58 | 471 | 221 |
| | | | R | B | 0.07 | 142 | 20 |
| SR 21 at Grange Road | East-West Stop | Overall Intersection | | N/A | N/A | N/A | N/A |
| | | Westbound | LR | F | 2.77 | N/A | N/A |

| Intersection | Traffic Controller | Traffic Movement | | Level of Service | Volume-to-Capacity Ratio | Maximum Queue | Average Queue |
|------------------------|-------------------------|----------------------|---|------------------|--------------------------|---------------|---------------|
| SR 21 at Bourne Avenue | Signalized Intersection | Northbound | L | B | 0.01 | N/A | N/A |
| | | Southbound | L | D | 0.14 | N/A | N/A |
| | | Overall Intersection | | D | N/A | N/A | N/A |
| | | Eastbound | L | F | 0.81 | 200 | 183 |
| | | | T | E | 0.27 | 800 | 441 |
| | | | R | B | 0.68 | 190 | 143 |
| | | Westbound | L | F | 0.57 | 210 | 85 |
| | | | T | F | 0.66 | 281 | 135 |
| | | | R | B | 0.56 | 175 | 119 |
| | | Northbound | L | F | 0.76 | 461 | 210 |
| | | | T | D | 0.72 | 717 | 405 |
| | | | R | B | 0.08 | 120 | 17 |
| | | Southbound | L | F | 0.52 | 172 | 76 |
| | | | T | D | 0.60 | 482 | 237 |
| | | | R | A | 0.23 | 133 | 45 |

N/A – Not Applicable

Bold, Gray = Failing

Source: CORE MPO CMP Update Study Team

3.1.5 Short-range Improvements/Recommendations

The analysis described in the previous sections has led to the identification of several short-term recommendations for improvements along SR 21, as well as improvements that could be made throughout the CORE MPO region in similar locations. These recommendations are detailed in the following sections.

3.1.3.1 Recommendations for the SR 21 Corridor

Based on the findings of the alternatives analysis portion of the study, one recommendation is made for the short term. This recommendation is to increase the storage length for the eastbound Bourne Avenue left-turn movement to improve the eastbound through movement at this intersection. It is anticipated that these recommendations, along with the current programmed GDOT project of adding a continuous exit lane from Jimmy DeLoach Parkway to the northbound exit lane at I-95 and SR 21, will aid in alleviating congestion in the area.

3.3 Congestion Management Using a System-Wide Approach – Case Study: Gap Analysis, Effingham Parkway Extension

As part of the CMP Update, RS&H was asked to perform a conceptual review and analysis of a proposed alignment of a connector (the proposed Effingham Parkway Extension) from the proposed Effingham Parkway southeast to I-95 and US 21/Augusta Road. Effingham Parkway is currently proposed to end at I-95 at its interchange with Jimmy DeLoach Parkway. RS&H conducted a review of this area to determine the most logical termini for this extension.

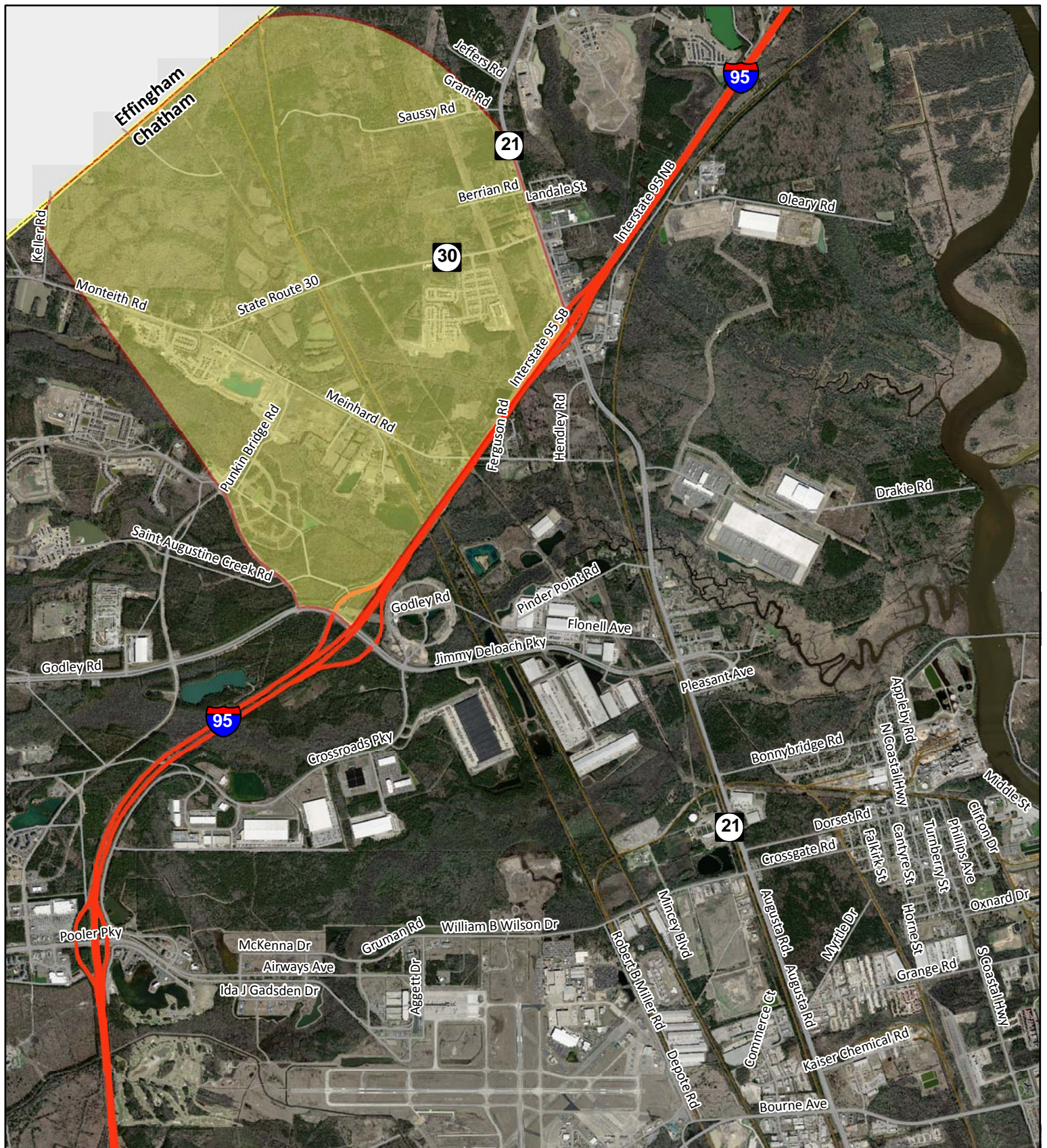
Southern Effingham County, to the north of Chatham County, has been experiencing significant population growth, primarily because of its close proximity to Savannah. In order to accommodate this growth, Effingham Parkway and the Effingham Parkway Extension will provide additional connectivity into Chatham County. These highways, along with other projects under consideration in the area, will also provide greater mobility within Chatham County, particularly for those traveling to or from the Port of Savannah, downtown Savannah, and the Savannah International Airport. CORE MPO requested an analysis of this area and the potential for the addition of Effingham Parkway Extension so that the most logical location and termini are selected.

The gap analysis undertaken to review the proposed Effingham Parkway Extension can be applied to other parts of the CORE MPO region where similar connector roads are under consideration. The following sections describe this analysis and make recommendations, specific to the Effingham Parkway Extension and also for general application to other areas in the Savannah region.

3.3.1 Existing Conditions

The study area for the gap analysis of the Effingham Parkway Extension lies in the City of Port Wentworth, in the northernmost portion of Chatham County, shown in Figure 11 on the following page. The boundaries of the study area are the Chatham/Effingham County boundary to the north, I-95 to the south, Highlands Boulevard to the west, and SR 21/Augusta Road to the east. This area includes two (2) I-95 interchanges: one with Jimmy DeLoach Parkway, and one with SR 21/Augusta Road, approximately two miles apart. SR 20/Augusta Road is currently a four-lane divided highway that travels north to Effingham County from downtown Savannah. SR 30 is a two-lane undivided roadway travelling east-west. The current proposed terminus of the Effingham Parkway is near SR 30/Clearwater Circle and Meinhard Road.

The land use surrounding the proposed western terminus to the north of SR 30 is primarily Undeveloped Land/Other. There are several parcels identified as Residential – Single Family. Further to the east, the existing land use is a mix of Undeveloped Land/Other, Commercial – Retail, and Industrial – Light. There is one small parcel along US 21 to the south of Berrien Road that is identified as Public/Institutional. Existing land use can be seen in Figure 12.



**Figure 11. Study Area -
Effingham Parkway Extension**

CORE Congestion Management Process Update

Legend

- Gap_Study_Area
- Interstate 95
- Railroad
- Chatham County Boundary

Source: Chatham County GIS

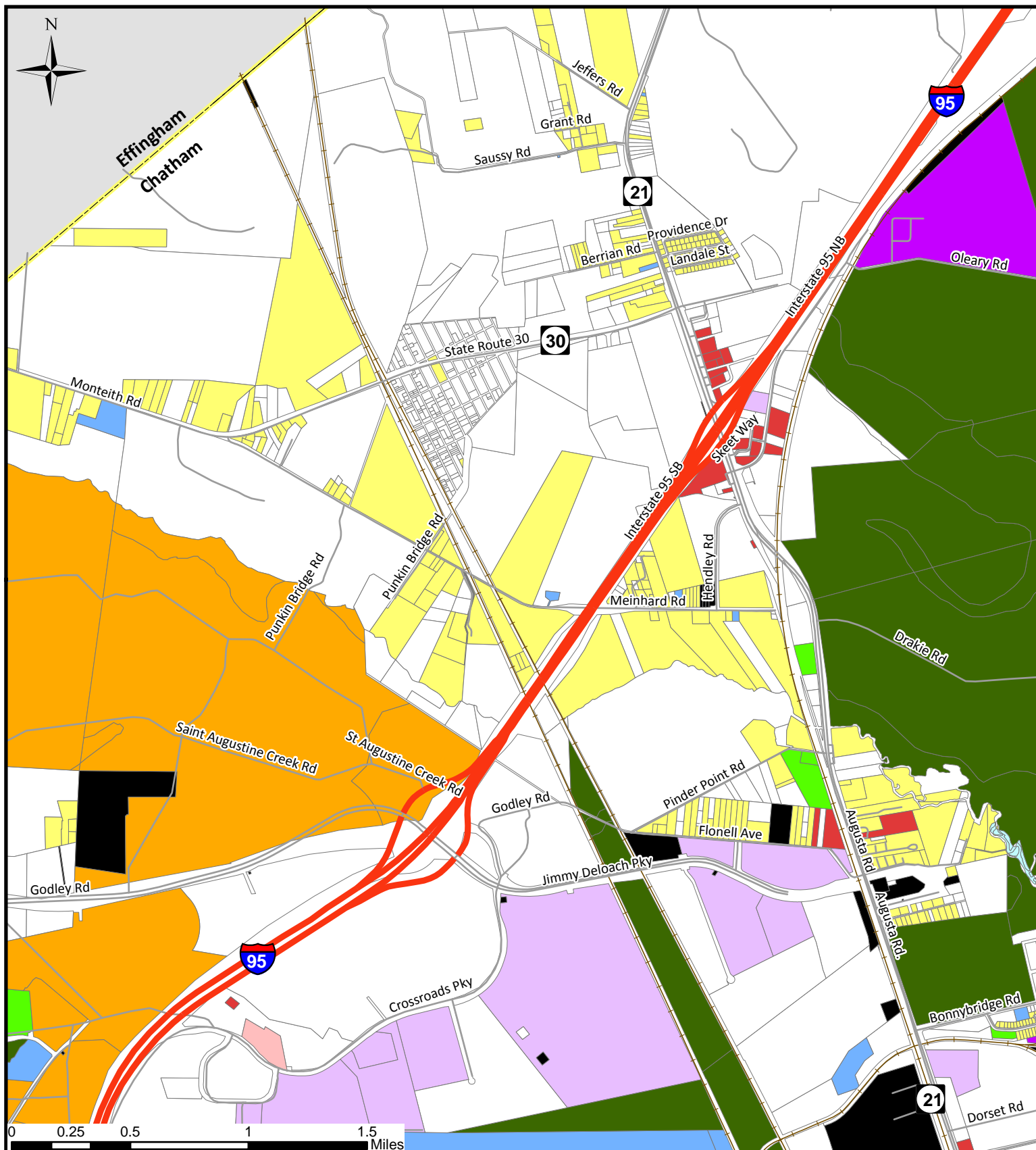


Figure 12. Existing Land Use

CORE Congestion Management Process Update

Legend

| | | | | | | | |
|--|----------------------------|--|-----------------------------|--|------------------|--|------------------------|
| | Residential- Single Family | | Commercial- Retail/Services | | Industry- Heavy | | Open Water |
| | Residential- Multi-Family | | Trans/Com/Utility | | Parks/Recreation | | Undeveloped Land/Other |
| | Public/Institutional | | Agriculture/Forestry | | Conservation | | Railroad |
| | Commercial- Office | | Industry- Light | | Tidal Marsh | | County Boundary |

Source: Chatham County GIS

3.2.2 Alternatives Analysis

The alternatives analysis process consisted of several components to determine the most logical location of the Effingham Parkway Extension. First, an existing conditions analysis was conducted to gain a thorough understanding of the study area. Land use, proposed developments, zoning, and wetlands were all identified so that the recommended alignment does not interfere with previous planning and development efforts of CORE MPO.

Because of this area's close proximity to the Atlantic Coast, it is characterized by significant wetland areas. The study area has a large amount of palustrine wetlands, which are swamps or marshes that consist of very dense trees and shrubs. Figure 13 displays the wetland areas in the study area for the Effingham Parkway Extension.

The existing zoning patterns were also considered as alternatives were developed. The study area for the Effingham Parkway Extension is primarily zoned Residential Agricultural. There are also smaller parcels in this area that are zoned Planned Residential Institutional, Residential-One Family, Planned Neighborhood Business, and Planned General Business. The zoning can be found in Figure 14. As alternatives were developed, careful consideration was made to avoid established homes, businesses, and other developed parcels.

Next, additional projects in and surrounding the study area of the Effingham Parkway Extension were identified to determine if any would enhance the Extension or provide logical termini. There are four (4) additional projects in this area, and each of them was considered as potential alignments for the Effingham Parkway Extension were developed. These projects consist of:

1. **Port "Last Mile" Project/Jimmy DeLoach Connector:** This project consists of an extension of Jimmy DeLoach Parkway southward to SR 307/Bourne Avenue.
2. **State Road and Tollway Authority (SRTA) Savannah Northwest Toll Expressway:** This project proposes a new, elevated route along SR 21/Augusta Road from the terminus of I-516 north to I-95.
3. **Effingham Parkway:** The Effingham Parkway would extend from SR 30 in Chatham County to Effingham County.
4. **Chatham Interstate Study:** This study assesses the interstate system travelling through Chatham County, I-95, I-16, and I-516.

These four projects are presented in Figure 15.

Each of these projects offers unique solutions to travel demand in this area. In order to make a recommendation for the Effingham Parkway Extension, all of these projects were evaluated separately and in combination to determine the most suitable alignment for the Effingham Parkway Extension.

The purpose of the Savannah Port "Last Mile"/Jimmy DeLoach Connector project is to provide a more seamless route to I-95 directly from the Port of Savannah than what is currently available. In conjunction with several other "last mile" projects surrounding the Port of Savannah, truck traffic in particular would have access to a more direct route to the surrounding interstate system. Because the Effingham Parkway Extension is on the northern side of I-95 and the Jimmy DeLoach Connector project to the south, these projects would likely not be in conflict with one another.

The SRTA Northwest Toll Expressway would provide a toll facility from the terminus of I-516 to Jimmy DeLoach Parkway/SR 21, and potentially extending further north to the I-95 interchange with SR 21. This

could potentially coincide with the Jimmy DeLoach Connector described above, if implemented. This roadway is being considered as “elegant elevated lanes” along or adjacent to the existing SR 21 alignment. The Northwest Toll Expressway would provide a direct route to I-95 from downtown Savannah, the Port of Savannah, and surrounding activity centers that experience significant freight traffic.

Effingham Parkway is proposed to connect from SR 30 in northern Chatham County into Effingham County to the north. This roadway would provide additional connectivity between downtown Savannah, the Savannah International Airport, the Port of Savannah, and growing Effingham County. Currently, the northern portion of Chatham County bordering Effingham County does not have a direct route to the interstate system. Effingham Parkway would provide additional connectivity in this area and, coupled with a new facility such as the Effingham Parkway Extension, Jimmy DeLoach Connector, or Northwest Toll Expressway, would provide direct access into downtown Savannah and I-516.

The *Chatham County Interstate Needs Analysis and Prioritization Plan* (Chatham Interstate Study) was conducted for GDOT in 2008, and evaluated I-95, I-16, and I-516 within Chatham County to determine the needed improvements for the interstate system. This study identified I-95 at SR 21 as the most needed interstate project that is currently unfunded, and noted that roadway capacity and interchange operations at this location are both in need of improvement. The report called for widening SR 21 surrounding the I-95 interchange, with added turn lanes at all intersections. Two new loop ramps were also recommended for traffic exiting I-95 for SR 21. This interchange is also a part of the study area for the Effingham Parkway Extension analysis. Additionally, the Chatham Interstate Study recommended widening I-95 from I-16 north to SR 21 from three to four lanes in each direction (GDOT P.I. No. 51165).

Taking into account the findings of the existing conditions analysis and the surrounding proposed projects, an aerial review was performed to identify potential alignments for the Effingham Parkway Extension. Two primary alternatives were developed, as described below and shown in Figure 16:

Alternative 1: Depart from proposed Effingham Parkway just south of the Effingham County line and extend east toward SR 21. Travel to SR 21, tying to just north of SR 30. Follow SR 21 to its intersection with I-95.

Alternative 2: Depart from proposed Effingham Parkway east of the SR 30/Meinhard Road intersection. Continue southeast to cross I-95 and tie to the SR 21 south of the interchange. A collector-distributor road network would be implemented between the I-95/Jimmy DeLoach Parkway interchange and the I-95/SR 21 interchange in order to provide access to travelers between I-95 and Effingham Parkway Extension.

As Alternative 1 is implemented, the interchange with I-95 and SR 21 must be considered. The CORE MPO CMP Update proposes that SR 21 and the Effingham Parkway Extension become a single limited access highway between their point of intersection to the north and the point of departure of the Savannah NW Toll Expressway on the southern side of I-95. This would require modifications to the existing I-95/SR 21 interchange. The Study Team recommends one-way access roads in both the northbound and southbound directions of SR 21/Effingham Parkway Extension, and elevating Effingham Parkway Extension at its northern intersection with SR 21 and at its southern intersection with the Savannah NW Toll Expressway, which is also elevated. In order to access the businesses located along both sides of the highway, u-turning locations would be necessary, which could be implemented pass underneath the highway where it is elevated. This would require additional reconstruction of the I-95 interchange in order to provide access from I-95 to both SR 21/Effingham Parkway Extension and the

access road system adjacent to it. These recommendations could not be implemented in tandem with the recommendations made by the Chatham Interstate Study.

A summary of opportunities and challenges associated with Alternative 1 are listed below.

Alternative 1 - Opportunities:

- Potentially does not require any displacements by travelling through currently undeveloped land.
- Provides a needed route to I-95 by way of SR 21.
- Provides a continuous limited/controlled access link from Effingham County to the Port of Savannah and the Savannah/Hilton Head International Airport, if I-95/SR 21 improvements and the Savannah Northwest Toll Expressway are implemented.

Alternative 1 - Challenges:

- Would require extensive reconstruction of I-95/SR 21 interchange.
- Could not be implemented with the current recommendations made to I-95/SR 21 interchange from the Chatham Interstate Study.
- Could potentially be difficult to gain support of surrounding business owner because of the change in access required to their property.
- Would require two railroad crossings immediately after departing from Effingham Parkway.

Alternative 2 proposes an overpass of I-95 with the implementation of collector-distributor road system along I-95 so that continuous access is provided between those traveling on I-95 and the Effingham Parkway Extension. This would require the additional construction of ramps between the two roadways and the collector-distributor road. The collector-distributor road would feed traffic to northbound I-95 via the existing SR 21/I-95 interchange. Vehicles traveling to southbound I-95 would be fed through the existing Jimmy DeLoach Parkway interchange. Additionally, the CORE MPO CMP Update Study Team proposes that the Effingham Parkway Extension be elevated at its southern terminus, in order to tie to the proposed Savannah NW Toll Expressway, which is also elevated. With Alternative 2, each of the additional proposed projects in the area could still be implemented as they are currently planned.

A summary of opportunities and challenges associated with Alternative 2 are listed below.

Alternative 2 - Opportunities:

- Requires the least impacts to surrounding property owners.
- Each of the additional planned projects is not affected by the proposed alignment.
- Provides a continuous limited/controlled access link from Effingham County to the Port of Savannah and the Savannah/Hilton Head International Airport, if the Savannah Northwest Toll Expressway is implemented using a collector-distributor road system.
- Does not require reconstruction of existing I-95 interchanges at Jimmy DeLoach Parkway and SR 21.

Alternative 2 - Challenges:

- Must cross two railroad lines immediately after south of SR 30, which would have to be grade-separated due to its proximity to the SR 30 railroad crossing to the north.
- Would require significant curvature in order to avoid new development on southern side of SR 30.

- Would require a bridge over I-95.
- Could not be implemented in tandem with the I-95/SR 21 interchange upgrades as they are recommended by the Chatham Interstate Study without modifications.

3.2.3 Recommendations

The CORE MPO CMP Update Study Team recommends Alternative 2 for an extension to the proposed Effingham Parkway. This alignment was found to be the most desirable primarily because of its minimal impact to the surrounding transportation network. With the additional construction of a collector-distributor road, a streamlined route is provided linking the Port of Savannah, Savannah-Hilton Head International Airport, I-95, northern Chatham County, and Effingham County.

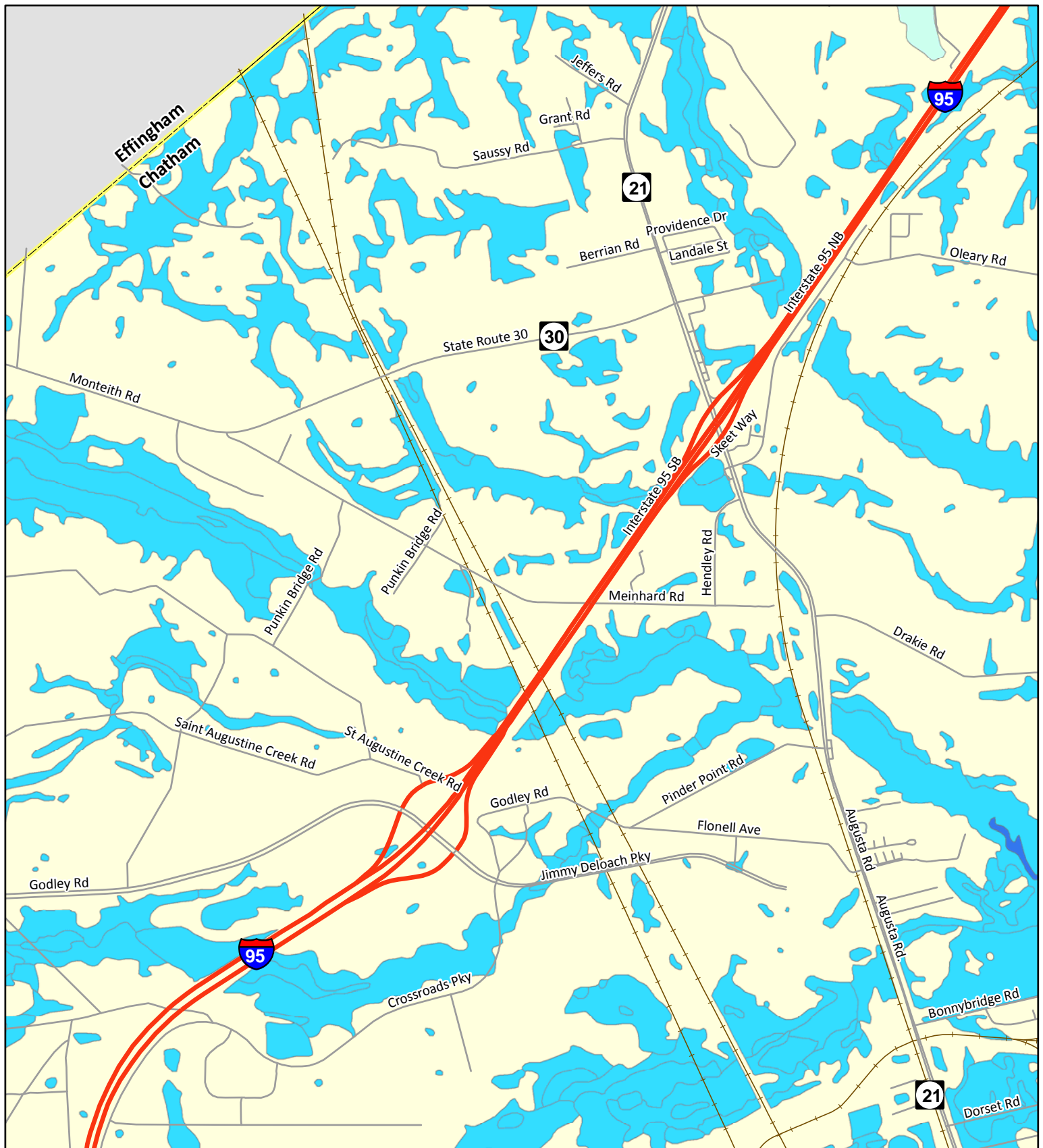


Figure 13. Wetlands

CORE Congestion Management Process Update

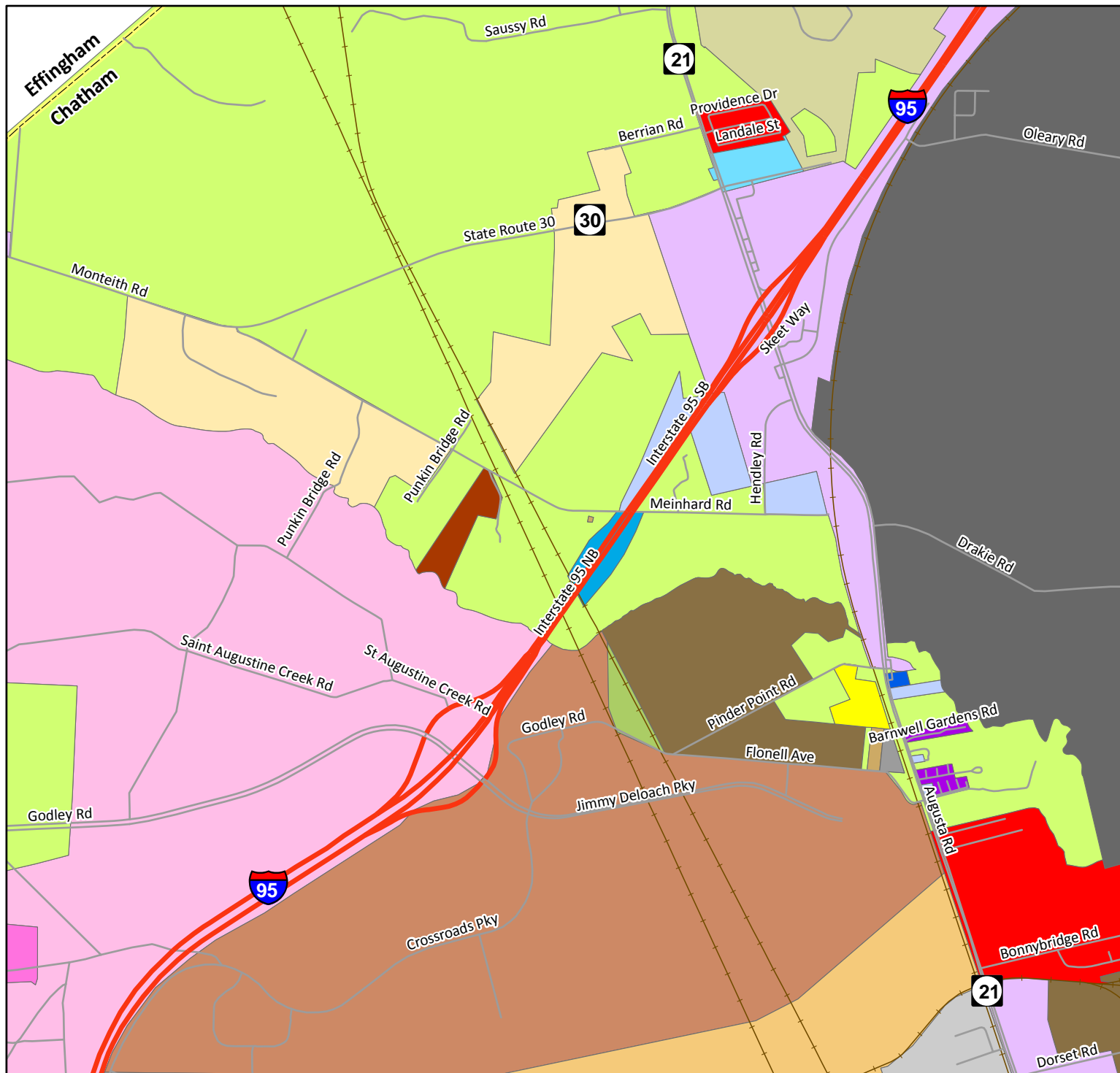


0 0.25 0.5 1 1.5 Miles

Legend

- Palustrine Wetland
- Lacustrine Wetland
- Upland
- Interstate 95
- Railroad
- Chatham County Boundary

Source: Chatham County GIS



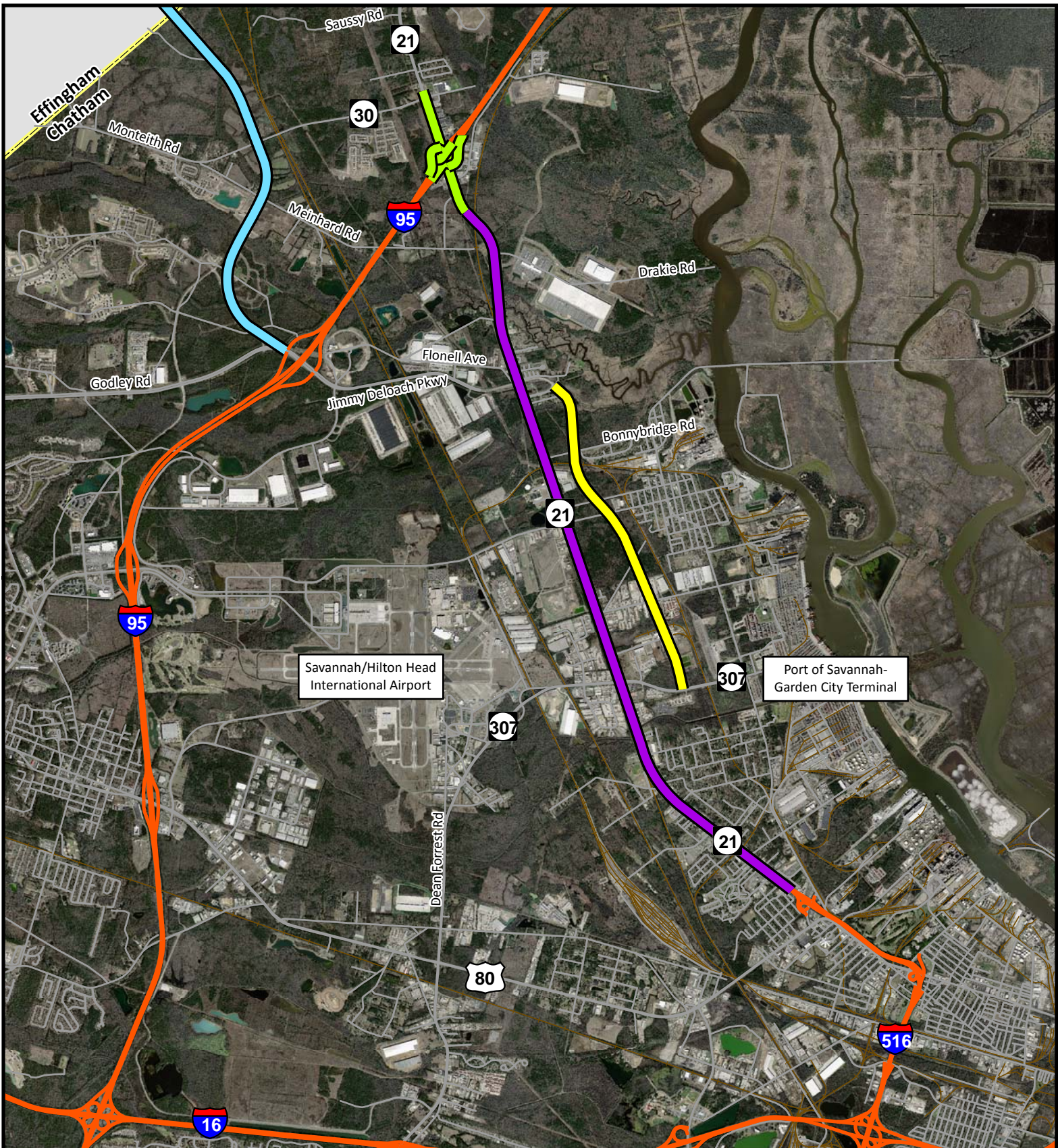


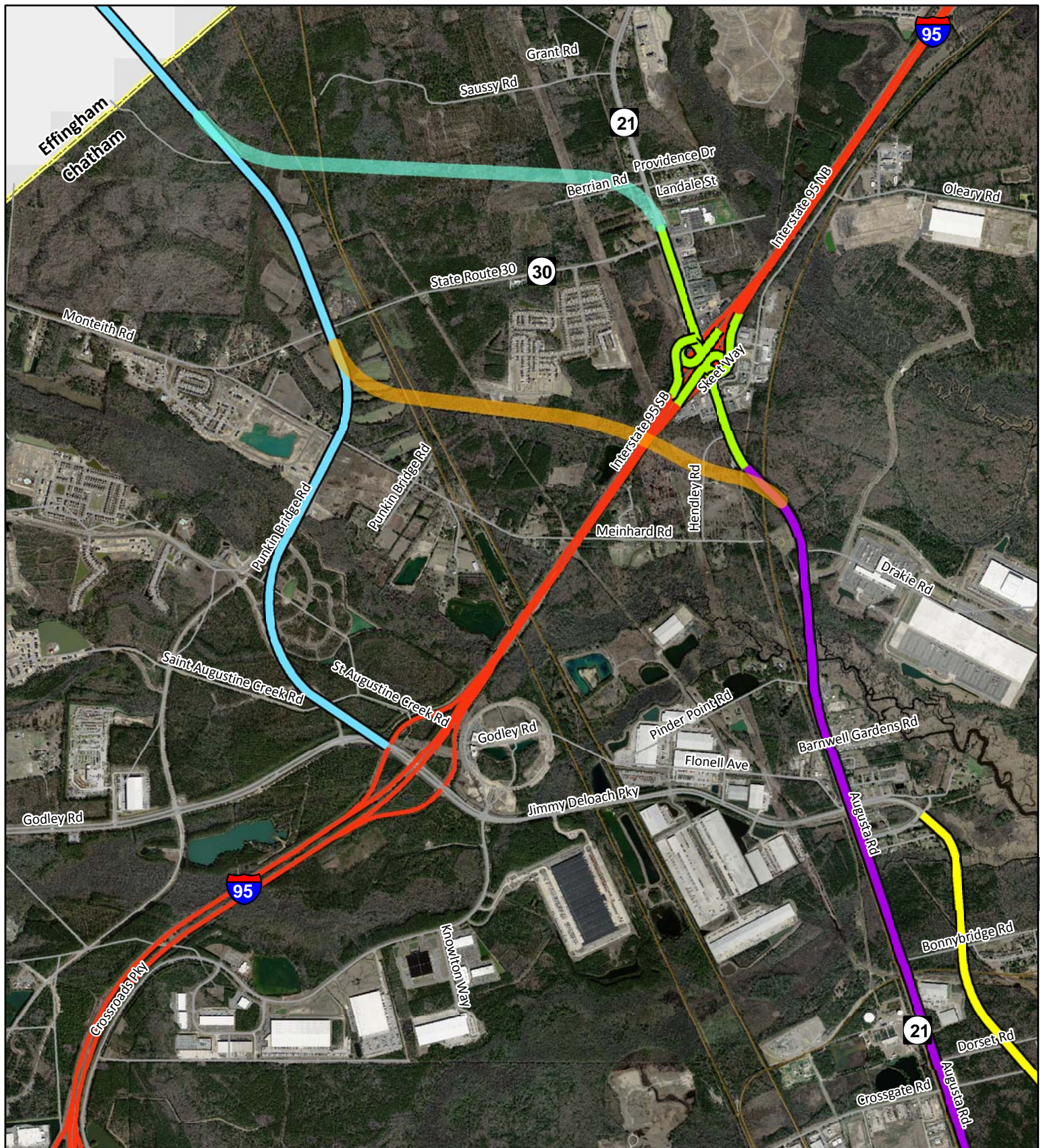
Figure 15. Proposed Projects in Area of Effingham Parkway Extension

CORE Congestion Management Process Update

Note: Alignments are taken from conceptual planning drawings and are for visioning purposes only.

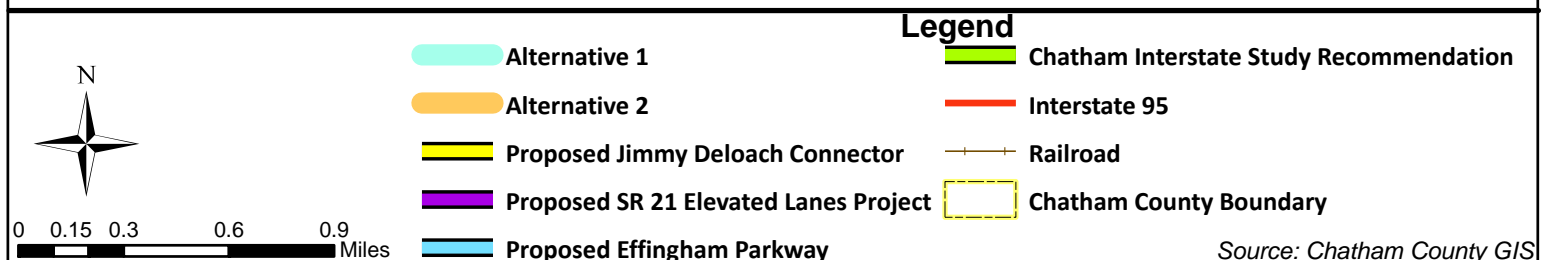
Legend

| | | | |
|--|---|--|-------------------------|
| | Proposed Jimmy Deloach Connector | | Railroad |
| | Proposed SR 21 Elevated Lanes Project | | Interstate 95 |
| | Proposed Effingham Parkway | | Chatham County Boundary |
| | Chatham Interstate Study Recommendation | | |



**Figure 16. Effingham Parkway
Extension Alternatives**

CORE Congestion Management Process Update



4.0 Data Collection, Monitoring, and Implementation

As previously discussed in Section **1.0 Introduction**, a CMP is meant to be a process by which municipalities continuously monitor congestion and implement strategies for improvement. In the following sections, this report will present recommendations for managing this process in the CORE MPO region. These recommendations should become an integral part of CORE MPO transportation planning efforts into the future.

4.1 TMC Analysis and Recommendations

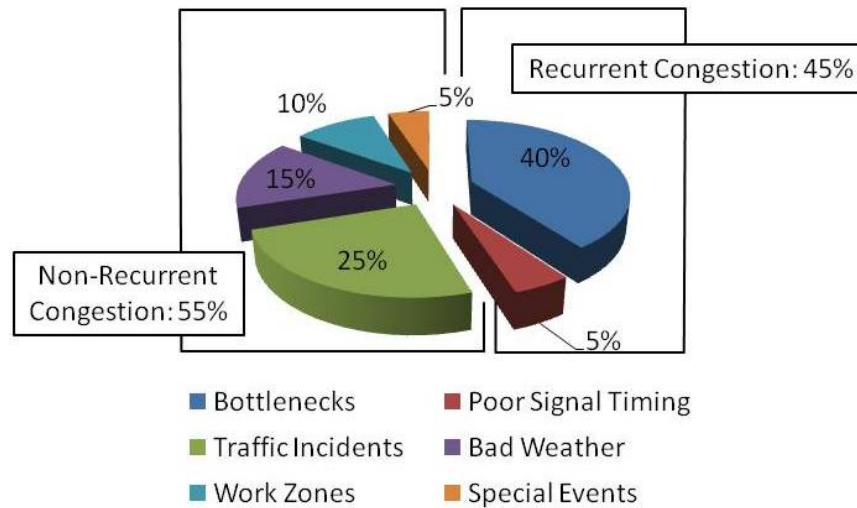
A proven tool for monitoring and managing congestion is the use of Traffic Management Centers (TMCs). As part of the CMP Update, RS&H was asked to conduct research into the potential implementation of a TMC in the Savannah region. This research, including the major types and functions of TMCs, the cost of implementing and maintaining a TMC, and the benefits of a TMC, is summarized in the following sections. Additionally, recommendations are made for a TMC that is best-suited for the Savannah region.

TMCs are central hubs that help to monitor and communicate traffic operations within a region. They are vital tools for communicating operations information, such as congested roadways, incidents, and other traffic conditions, to the public and to the media. In addition to monitoring, a TMC can also regulate the transportation system, including signal timing, transit operations, and transportation infrastructure.

A TMC typically uses various elements of Intelligent Transportation Systems (ITS) to manage communications. These ITS elements may include message signs, closed circuit video equipment, and roadside count stations, among others, which are linked through physical cables or wireless technology. This rapid exchange of information allows travelers to make informed commuting choices and allows local officials to respond to traffic issues in a timely manner.

A TMC represents an operations-based alternative to traditional transportation improvements such as new road construction and roadway facility expansion. Figure 17 below presents non-recurrent and recurrent congestion sources common to most regions.

Figure 17. Typical Sources of Recurrent and Non-Recurrent Congestion



Source: FHWA

Most of these congestion sources can be successfully addressed by operations management in the form of a TMC.

4.1.1 Types of TMCs

There are numerous TMCs throughout the United States. Each TMC caters to the region it serves, varying uniquely in size and by functionality. There are three (3) major types of TMCs:

Freeway Management Center: A Freeway Management Center monitors and controls traffic on limited access roadways and interstate highways. The objective of this center is to detect, verify, and actively manage traffic incidents in order to maintain efficient traffic flow.

Traffic Signal System Centers: A Traffic Signal System Center monitors the flow of traffic on surface streets. It can regulate signal timing as necessary to maintain efficient traffic flow, including the alteration of signals to divert traffic away from incidents.

Transit Management Center: A Transit Management Center manages buses and railcars by tracking the fleets and supporting their operations. This type of center is especially useful for mixed fleets, where the coordination of bus and rail operations is essential for cost-effective and efficient transportation.

4.1.2 Major Functions of a TMC

A TMC is a facility for the management and coordination of a transportation network, relying on many types of advanced technology. There are various functions that TMCs across the country carry out. Every TMC has a unique set of tools and functions that best suits the region's transportation management goals. The successful implementation of a TMC's functions is vital to productive management of the region's transportation network and infrastructure. The primary functions of a TMC are as listed below.

Roadway Management – This involves the monitoring and control of traffic flow, including balancing flow between alternate routes, communicating relative travel times for alternate routes, and ramp metering.

Incident Management – Incident management employs programs and strategies such as warnings for unsafe or congested roadways, motorist assistance patrols, lane closure management, and dispatch to repair damaged roads or remove debris.

Fleet Management –Fleet management is the monitoring and management of a specified type of vehicle (for example, trucks and buses) operating on a roadway.

Traffic Signal Control – This is the monitoring of the traffic signal network and its impact on traffic at specific locations. It is useful for detecting maintenance needs of traffic signals or for dispatching law enforcement to direct traffic if necessary.

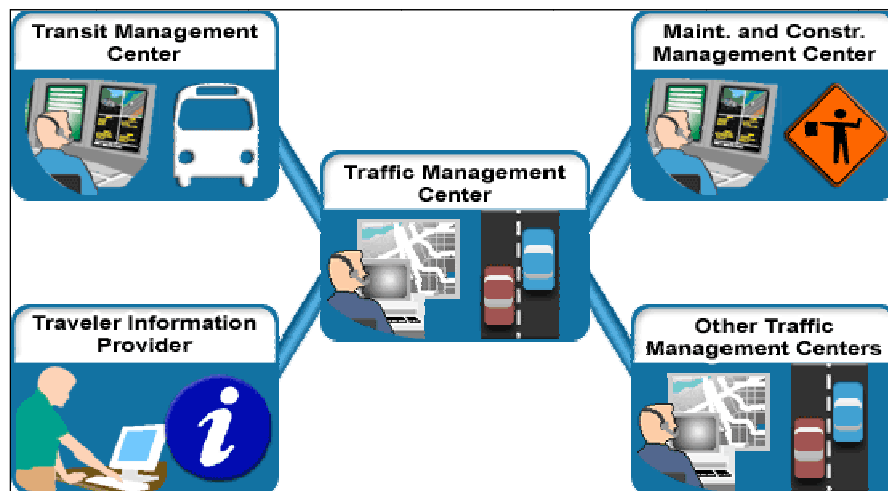
System Control and Data Acquisition (SCADA) – This is the management of transportation infrastructure such as tunnels, ventilation systems, fire detection and suppression devices, security monitoring, and motorist telephone systems.

Multi-Agency Coordination – The TMC provides an opportunity for multiple agencies, including Departments of Transportation, law enforcement, and local governments, to coordinate transportation management efforts.

Information Dissemination – One of the most vital functions of TMCs is the dissemination of traffic information to the transportation system users via message signs, local radio, internet, and other forms of communication.

Figure 18 below shows a typical structure of a TMC.

Figure 18. Typical Structure of a Transportation Management Center



Source: USDOT Research and Innovative Technology Administration

A TMC is typically formed through a collaborative process among various agencies that have an interest in managing congestion in a region and can provide unique services or information towards this effort. Appendix C gives further detail on how collaboration and coordination are vital to implementing and managing a TMC.

4.1.3 Benefits of a TMC

There are numerous benefits that a TMC can provide for a region, some quantitative and others qualitative. Among them are:

- Reduced traffic congestion;
- Increased interstate capacity and speeds during peak hour traffic;
- Reduction in incident response times, as well as lower incident rates (from secondary incidents caused by the initial incident);
- Clear roadway shoulders as a result of roadside services available to vehicles with maintenance issues that would otherwise require prolonged use of the shoulder;
- Enhanced safety of the transportation network;
- More efficient dissemination and circulation of traveler information;
- Enhanced communication between overall traffic and individual motorists;
- Cost savings by sharing responsibilities among fewer staff (emphasis on computers and technology);
- Potential for co-location of agencies, such as emergency services, and providing opportunities for cost sharing
- Roadside motorist assistance;
- Reduction in fuel consumption and emissions; and
- Customer satisfaction.

4.1.4 Costs and Funding Sources of a TMC

The cost of a TMC varies widely depending on the size and function of the center, which is determined largely by the size of the population served, the geographic extent, and miles of roadway covered. The initial costs of the TMC are for conception, design, and construction of required infrastructure; the primary costs throughout the TMC's lifetime cover the implementation of the programs as well as annual operations and maintenance.

Table 11 on the following page shows average estimates of capital and operation/maintenance costs for TMCs that serve different population sizes. Operations and maintenance costs can be assumed as 10 to 15% of capital costs annually.

Table 11. Average Costs for TMCs, by Size of Area Served

| Note: All costs are in \$K. All costs in 2006 dollars. The date in parentheses under the capital cost value and operations and maintenance (O&M) cost value indicates the dollar year from which the cost value was adjusted. | | |
|---|--|-----------------------------------|
| Unit Cost Element | Capital Cost | Operating and Maintenance Cost |
| Basic Facilities, Common for Large Area (Population > 750,000) | \$4.31 – \$9.86 million (adjusted from 2003) | \$431,000 - \$1.48 million (2003) |
| Basic Facilities, Common for Medium Area (Population 250,000 – 750,000) | \$4.30 million (adjusted from 1995) | \$538,000 - \$646,000 (1995) |
| Basic Facilities, Common for Small Area (Population < 250,000) | \$3.77 million (adjusted from 1995) | \$538,000 - \$565,000 (1995) |

Source: *Intelligent Transportation Systems – Research and Innovative Technology Administration. US Department of Transportation.*

Note: Based on purchase of building rather than leasing space. Communications includes communications equipment internal to the facility such as equipment racks, multiplexers, modems, etc. O&M is estimated at 10-15% of the capital cost.

CORE MPO has a metropolitan population of about 320,013 people, which places it at the lower range of the “Medium Area” category. According to the chart above, the estimated capital cost of a TMC would be approximately \$4.30 million (2006 dollars), or \$4.8 million in 2009 dollars, while the annual operations and maintenance cost would be between \$538,000 and \$646,000. Because CORE MPO is on the lower range of the Medium Area category, the costs are likely to fall within the lower ranges of these estimates.

A successful TMC should be funded through a regional, collaborative process, whereby a group of agencies commits resources to fund operations, maintenance, and other aspects of the TMC. Most funding for operations will come from individual agency budgets, with multiple resource-sharing agreements among the agencies. One type of agreement is to share key resources (such as equipment and personnel) across jurisdictional boundaries or among operators or service providers. There may also be agreements on acquisition and procurement that ensure interoperability and standard protocols for communications and data exchange. Potentially, capital investments into operations-related infrastructure (such as networks, operations centers, or sensors) could be identified and implemented regionally or in conjunction with other capital improvement projects. Successful funding for such projects requires operating agencies and service providers to be actively involved in the region’s capital planning process. It also requires a shared vision for operations among regional planners. Overall, the collaborating agencies must agree that operations improvements are vital to the efficacy of the transportation network, and to that extent, should commit to funding of operations equal to or greater than capacity expansion.

The initial funding of regional operations typically comes from individual agency budgets, when the structure is not as formalized. As the TMC becomes fully functional, it is often designated as a separate entity that receives funding from the participating agencies. The following are examples of how different TMCs have established funding:

- **AZTech** (Phoenix, AZ) began as part of a Metropolitan Model Deployment Initiative, a three-year program of the Intelligent Transportation Systems (ITS) Joint Program of the US Department of Transportation. AZTech deployed an ITS system in the Phoenix area as well as three other metropolitan areas. In Phoenix, AZTech focused on coordinating traffic signals in the East Valley region of the city, creating a series of Smart Corridors to allow smooth traffic flow across jurisdictions. AZTech is a funded entity comprised of 40 public and private agencies that collaborate in regional operations management.
- The **Coordinated Highways Action Response Team (CHART)** (Maryland) is operated through a series of resource agreements between state and local agencies. For example, the Maryland State Highway Administration funds items for the Maryland State Police in return for full-time police staff at the Statewide Operations Center. CHART also has agreements with media outlets to receive real-time footage of traffic incidents and delays from local stations' traffic helicopters; in return, the stations can access live closed-circuit television feeds from the Statewide Operations Center.

4.1.4.1 Costs of Georgia Navigator TMC

In 1996, in anticipation of the Olympic Games in Atlanta, GDOT created an integrated Intelligent Transportation System to improve and monitor traffic mobility, called Georgia Navigator. The main TMC facility is in Atlanta, but the operations management is extended throughout the State of Georgia by smaller Traffic Control Centers operated by local counties and cities.

The Georgia Navigator Business Plan (April 2005) highlights the Georgia Navigator's projected expenditures for the 2006 fiscal year. These expenditures are related to specific tasks such as ITS design, maintenance of equipment, and research. This information is displayed in Table 12 below.

Table 12. Projected Expenditures for the Georgia Navigator

| Task | Projected Expenditures |
|--------------------------------|------------------------|
| GDOT Research Project | \$950,000 |
| HERO Operations and Support | \$4,150,000 |
| TMC Operations and Support | \$4,083,500 |
| Maintenance of ATMS Equipment | \$1,500,000 |
| Replace/Maintain EDP Equipment | \$1,500,000 |
| Replace Outdated Hardware | \$1,500,000 |
| ITS Design | \$1,000,000 |
| Systems Integrator | \$1,615,000 |
| Proposed New Capital Project | \$20,000,000 |
| TOTAL | \$36,298,500 |

Source: Navigator Business Plan. April 2005.

4.1.4.2 Costs of Clayton County Traffic Control Center (TCC)

The Clayton County Traffic Control Center (TCC) works in conjunction with GDOT's Georgia Navigator to monitor and manage traffic operations in Clayton County, Georgia. The County is approximately 143

square miles in area and has a population of 271,240⁸. In 1996, when the TCC was established, the initial capital costs were approximately \$4.5 million. The facility itself, which is 1,500 square feet in area, cost about \$60,000. The center receives 100% federal funding, although GDOT does manage some aspects of the County TCC's operations. In light of budget shortfalls for local governments across the country, an assurance of significant funding from the federal government is appealing to regions that desire to implement a regional operations system.

The Clayton County TCC manages 56 cameras that monitor the roadways, 78 miles of fiber optic cable, and 13 radar stations. Recently, the TCC has received additional federal funding for school signals and timing control (\$4 million for approximately 70 signals) and coordination with the County 911 Center, so that operators can access TCC camera footage (\$7 million). In addition, Clayton County controls three electronic changeable message signs on local roads; GDOT operates the additional message signs throughout the County.

4.1.4.2 Costs of SMART SunGuide TMC

The SMART SunGuide TMC serves Florida Department of Transportation's District IV, which includes nine major cities (Belle Glade, Boca Raton, Fort Lauderdale, Fort Pierce, Hollywood, Pompano Beach, Stuart, Vero Beach, and West Palm Beach) and five counties (Broward, Indian River, Martin, Palm Beach, and St. Lucie). This region has an area of approximately 4,811 square miles and a population of almost 3.6 million.⁹ Table 13 below shows the distribution of costs for the SMART SunGuide TMC. These values have been adjusted to represent 2006 dollars.

Table 13. SMART SunGuide TMC (FDOT) Annual Costs, Adjusted to 2006 Dollars

| Deployment | Estimated Capital Cost | Estimated Current Operations Costs | Estimated Maintenance Cost | Annualized Cost (\$/year) |
|--------------------------------------|------------------------|------------------------------------|----------------------------|---------------------------|
| SMART SunGuide TMC | \$6,700,000 | \$1,792,555 | \$320,265 | \$2,745,300 |
| Software Support | N/A | \$250,000 | N/A | \$250,000 |
| General Consultant | N/A | \$400,000 | N/A | \$400,000 |
| Road Ranger | N/A | \$2,500,000 | N/A | \$2,500,000 |
| Severe Incident Response Vehicle | N/A | \$500,000 | N/A | \$500,000 |
| Dynamic Message Signs | \$11,000,000 | \$22,320 | \$620,000 | \$22,087,200 |
| Traffic Incident Management (TIM) | N/A | \$200,000 | N/A | \$200,000 |
| CCTV and Detection System (Phase I) | \$2,845,462 | N/A | \$254,000 | \$597,277 |
| CCTV and Detection System (Phase II) | \$15,520,168 | N/A | N/A | \$253,856 |
| ATIS System (511) | N/A | \$250,000 | N/A | \$250,000 |

⁸ 2006 US Census estimate

⁹ 2006 US Census estimate

| Deployment | Estimated Capital Cost | Estimated Current Operations Costs | Estimated Maintenance Cost | Annualized Cost (\$/year) |
|--------------|------------------------|------------------------------------|----------------------------|---------------------------|
| TOTAL | \$36,065,630 | \$5,914,875 | \$1,194,265 | \$9,905,153 |

Source: Intelligent Transportation Systems – Research and Innovative Technology Administration. US Department of Transportation¹⁰

The CORE MPO region may also consider a standalone center to manage traffic operations, similar to the SunGuide TMC. When considering the capital, operations, and maintenance cost associated with a standalone center, the figures shown in Table 12 are higher than they would be for CORE MPO because the region is significantly smaller than the five-county FDOT District IV.

Appendix C includes additional information about TMCs. This includes the implementation process for a TMC, additional TMC case studies, and typical operations and equipment information.

4.1.5 TMC Recommendation for CORE MPO

In order to determine what type of TMC facility is best suited for the CORE MPO region, CORE MPO must establish its goals for the program. After a review of the transportation system in Chatham County, the following goals and anticipated outcomes are presented in Figure 19.

Figure 19. Goals and Expected Outcomes for CORE MPO TMC



Source: CORE MPO CMP Update Study Team

With these goals in mind, the CORE MPO area may best benefit by establishing an operations relationship similar to that of Clayton County and the Georgia Navigator system, as described above in section 4.1.4.2 **Costs of Clayton County Traffic Control Center (TCC)**. GDOT would be able to provide operations and management support to the CORE MPO region, eliminating much of the start-up issues and costs associated with standalone TMCs. Additionally, CORE MPO could receive a significant amount of federal funding for operations. The partnership of a CORE MPO Traffic Control Center with the statewide Georgia Navigator system would assist the CORE MPO region in addressing many of the

¹⁰ <http://www.itscosts.its.dot.gov/its/benecost.nsf/0/FD2D9EE0DA5E6DE18525727400659AF0>

congestion issues it currently faces. Some of the solutions that a TCC could bring to the region consist of:

- Reduced traffic congestion through a multi-agency, coordinated effort to monitor roadways;
- Reduced incident response times, as well as lower incident rates from secondary incidents;
- More efficient dissemination and circulation of traveler information;
- Reduction in fuel consumption and emissions; and
- Increased customer satisfaction.

Once the goals of a CORE MPO TCC are established, the structure, equipment, and performance measures can be determined among the parties that would be responsible for its operation, management, and coordination. These groups could include the MPC, GDOT, City of Savannah, and Chatham County.

4.2 Summary of 2004 Congestion Management System Report Recommendations

The 2004 CMS found that approximately 10% of the studied roadways were congested, determined by the LOS of each. Recommendations for improvements to these roadways were recommended, and these project types included access management, signal timing optimization, traffic signal coordination, new signals, multimodal considerations, and roadway widening. Table 20 below lists the twenty most congested segments and the recommended improvements for each. The 2004 report indicated the priority of some improvements, but did not engage in a formal prioritization of recommendations. A detailed list of all congested corridors and recommended improvements can be found in Appendix A, in the complete *2004 Congestion Management System Report*.

Figure 20. Top 20 Congested Segments in CORE MPO Region, 2004 CMS

| Rank | Route & Direction | Roadway Segment | 2004 CMS Recommendations | 2009 CMP Update | |
|------|--|------------------------------|---|--|---|
| | | | | Status | Recommendations |
| 1 | Waters/Whitfield/Diamond Causeway - NB | Stephenson to DeRenne | Corridor will improve with extension of Truman. Study in next CMS; review in E-W Study. | Project not completed - Whitfield (from Old Whitfield to Ferguson) and Diamond Causeway (from Ferguson to McWhorter) programmed for construction between 2008-2013 | Implement programmed improvements by 2013 |
| 2 | Habersham - SB | Johnston to Stephenson | Currently under construction on Stephenson. Stephenson widening will help Habersham. | Project completed | Continue to monitor for improvement |
| 3 | Bull/White Bluff - SB | Eisenhower to Abercorn | Constrained due to canopy. NB/SB left turns very light; consider restricting them, add NB right turn overlap | Project not completed | Monitor and Study in next CMP Update |
| 4 | Mall Blvd - WB | Mall Way to Abercorn | Planned intersection TIP. Consider change in lane use for shared dual left; study addition of NB right turn. | Project completed (Abercorn St. at Oglethorpe Mall intersection improvement) | No further action required |
| 5 | Bull/White Bluff - NB | Hampstead to DeRenne | Constrained due to canopy. Improvements limited to optimizing signal operations; study in E-W study | Project not completed | Short-Range: Signal re-timing or implement ACS-Lite software (or similar) - <i>see note below</i> Long-Range: Study in next CMP Update or DeRenne Ave Congestion Mitigation improvements to be constructed by 2013 |
| 6 | Habersham - NB | Johnston to DeRenne | Cross street delay expected; study further in E-W study for improving DeRenne. | Project not completed | Study in next CMP Update or DeRenne Ave Congestion Mitigation improvements to be constructed by 2013 |
| 7 | Waters/Whitfield/Diamond Causeway - SB | DeRenne to Stephenson | Corridor will improve with extension of Truman. Study in next CMS. | Project not completed - Whitfield (from Old Whitfield to Ferguson) and Diamond Causeway (from Ferguson to McWhorter) programmed for construction between 2008-2013 | Implement programmed improvements by 2013 |
| 8 | Abercorn - SB | Veterans Pkwy to King George | Priority IC - Widen 4-6 between King George and Rio; Priority II - Widen 6-8, widen King George approach. | Project not completed - SR 204/Abercorn widening from King George to Rio Road scheduled for construction 2021-2030. | Study in next CMP Update |
| 9 | SH 21/I-516/DeRenne - EB | Montgomery to Bull | Once traffic is metered through Montgomery, signals should be coordinated for progression. Consider in E-W study. | Project not completed | Short-Range: Signal re-timing or implement ACS-Lite software (or similar) - <i>see note below</i> Long-Range: Study in next CMP Update or DeRenne Ave Congestion Mitigation improvements to be constructed by 2013 |
| 10 | Ogeechee/US 17- WB | Quacco to SH 204 WB Ramp | Currently under construction. Study in next CMS. | Project completed | Continue to monitor for improvement |
| 11 | SH 21/I-516/DeRenne - EB | Cross Gate to SH 25 | Currently is a detour due to construction on SR 25. Study next CMS. | Project not completed; scheduled for construction between 2014 and 2020 | Implement programmed improvements by 2020 |
| 12 | SH 21/I-516/DeRenne - WB | SH 25 to Cross Gate | Currently under construction on SR 25. Study in next CMS. | Project not completed; scheduled for construction between 2014 and 2020 | Implement programmed improvements by 2020 |
| 13 | Abercorn - SB | Apache to Rio | Priority IC - Widen 4-6 from Rio to Truman, optimize Rio to King George | Project not completed - SR 204/Abercorn widening from Rio Road to Truman Parkway Phase V scheduled for construction 2008 - 2013. | Implement programmed improvements by 2013 |

2009 CONGESTION MANAGEMENT PROCESS UPDATE

| Rank | Route & Direction | Roadway Segment | 2004 CMS Recommendations | 2009 CMP Update | |
|------|-------------------------|---------------------------|--|---|---|
| | | | | Status | Recommendations |
| 14 | Skidaway - SB | La Roche to DeRenne | Corridor will improve with extension of Truman and widening of Skidaway. Study in next CMS. | Project not completed -Skidaway operational improvements (between Rowland Ave. and Ferguson Ave. scheduled for construction between 2008-2013 | Implement programmed improvements by 2013 |
| 15 | Bull/White Bluff - SB | 61st St. to DeRenne | Constrained due to canopy. Improvements limited to optimizing signal operations. | Project not completed | Signal re-timing or implement ACS-Lite software (or similar) - <i>see note below</i> |
| 16 | Montgomery Cross - EB | Tibet Ave to Abercorn | Funded project for construction FY 2004-06. PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn. | Project completed | Continue to monitor for improvement |
| 17 | Montgomery Cross - WB | Sallie Mood to Waters | Signal operations - coordination between Waters and Abercorn. | Project not completed | Signal re-timing or implement ACS-Lite software (or similar) - <i>see note below</i> |
| 18 | Abercorn - NB | Private Drive to DeRenne | Priority IB - Operational - Optimize DeRenne and Abercorn will improve, NB right turn lane planned. | Project not completed | Short-Range: Signal re-timing or implement ACS-Lite software (or similar) - <i>see note below</i> Long-Range: Study in next CMP Update or DeRenne Ave Congestion Mitigation improvements to be constructed by 2013 |
| 19 | Dean Forest/Bourne - SB | SH 25 to SH 21 | High percentage of trucks and many stopped for queuing at Port - widen shoulder to provide storage. | Project not completed; problem confirmed through completion SR 21 analysis for 2009 CMP Update | Implement proposed project and study in next CMP Update |
| 20 | Abercorn - NB | Pine Grove to King George | Priority II - Widen 4-6 from US 17 to King George, acceleration lane for EB rights, widen King George approach. | Project not completed - SR 204/Abercorn widening from US 17 to King George scheduled for construction 2021-2030. | Study in next CMP Update |

Source: 2004 CMS Report

4.3 CORE MPO CMP Update Recommendations

The recommendations for the 2009 CORE MPO Update were obtained by addressing methods of mitigating congestion throughout the multimodal transportation system through three primary modules: roadway system performance, land use/land development impacts, and freight system service. Congestion in each of these modules should be addressed using the following tools:

Roadway System Performance:

- Congestion Index (CI), and
- Approach Level of Service (LOS).

Land Use/Development Impacts:

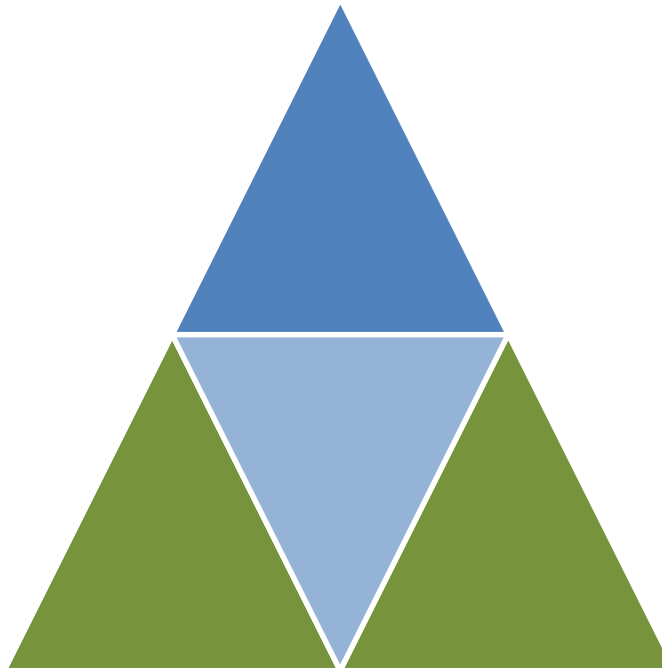
- Assess existing and future congestion using CORE MPO Traffic Impact Assessment (TIA) process, and
- Regulate access control through thoroughfare planning.

Freight System Service:

- Volume of truck traffic on key roadways.

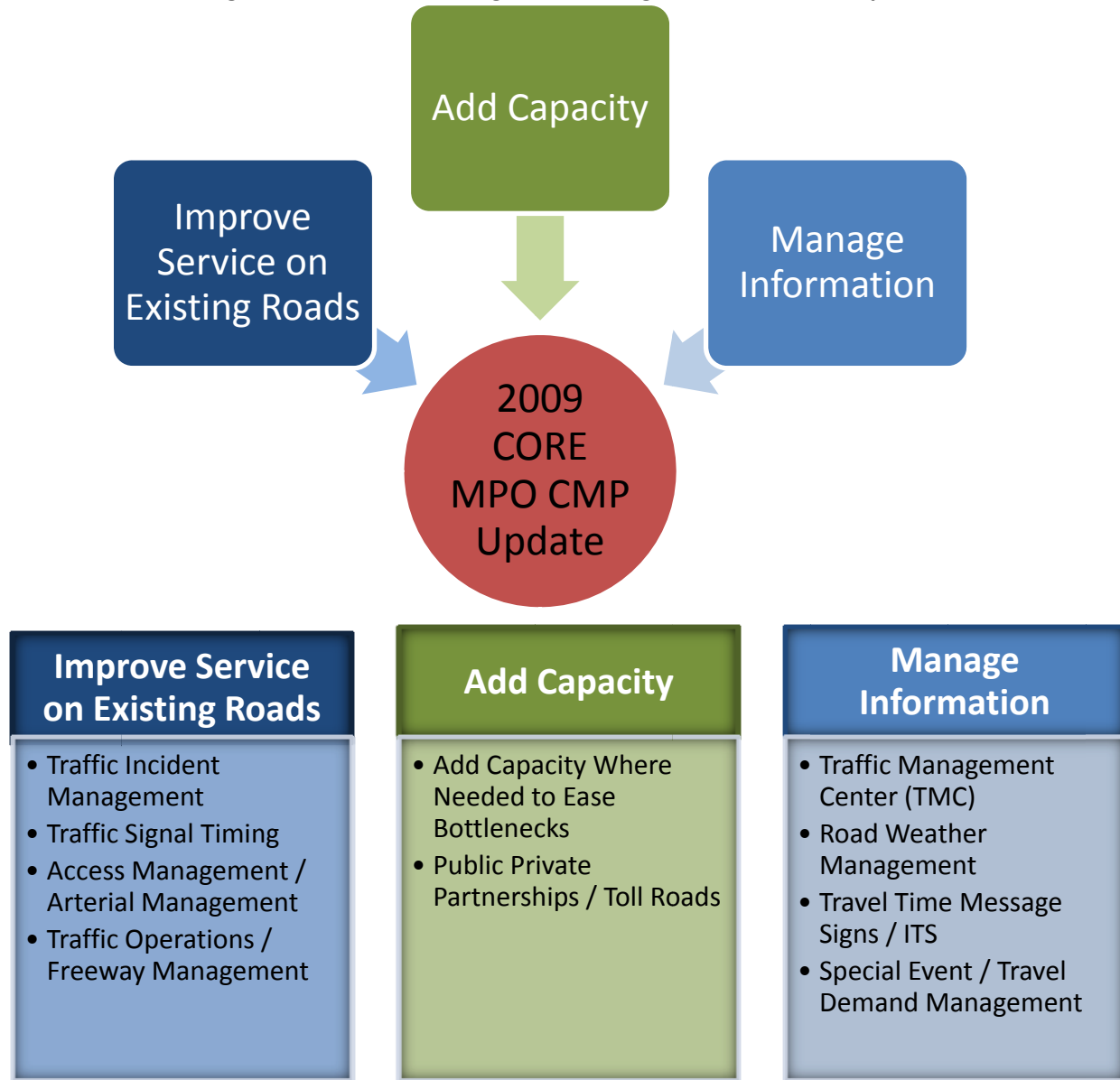
The success of each of the above modules strengthens the success of the overall multimodal system.

Figure 21. CORE MPO CMP Update Recommendation Modules



Source: CORE MPO CMP Update Study Team

Figure 22. CORE MPO Congestion Management Process Components



Source: US Department of Transportation, Federal Highway Administration

The tools listed above and shown in Figure 21 enabled the CORE MPO CMP Update Study Team to provide solutions to congestion in the region in the form of adding capacity, improving service on existing roads, and managing information. These three components form the backbone of a CMP, and their continual evaluation and implementation establish a strong transportation system that benefits all users. The FHWA gives guidelines for implementing these components, and the CORE MPO CMP Update Study Team utilized them as recommendations were made throughout the process. Figure 22 provides a summary of each of these components and their implementation guidelines given by FHWA.

Appendix A

Chatham County-Savannah Metropolitan Planning Commission

Congestion Management System Report - 2004



Congestion Management System Report - 2004

Prepared by:

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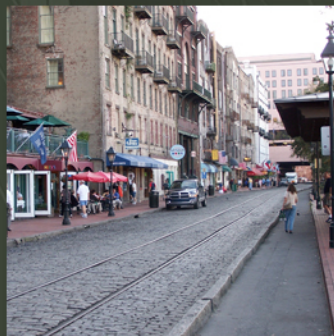


Table of Contents

| | Page No. |
|---|----------|
| 1.0 EXECUTIVE SUMMARY | E-3 |
| 1.1 Key Findings..... | E-6 |
| 1.2 Recommendations | E-6 |
| 2.0 INTRODUCTION | 1 |
| 2.1 Study Purpose..... | 1 |
| 2.2 Study Limits..... | 1 |
| 3.0 TRAFFIC THEORY | 1 |
| 3.1 Roadway Capacity | 1 |
| 3.2 Level of Service (LOS) | 1 |
| 4.0 METHODOLOGY | 3 |
| 4.1 Roadway Mapping..... | 3 |
| 4.1.1 Global Positioning System (GPS) | 3 |
| 4.1.2 Mapping Runs | 4 |
| 4.2 Travel Time Runs | 4 |
| 4.3 Video on Travel Time Runs..... | 13 |
| 4.4 Problem Areas..... | 13 |
| 5.0 ANALYSIS | 13 |
| 5.1 Congestion Index | 13 |
| 5.2 Roadway Segment Definition | 14 |
| 5.3 Data Reduction..... | 14 |
| 5.4 Presentation | 14 |
| 6.0 EVALUATION..... | 16 |
| 6.1 Approach Level of Service (LOS) and Congestion Index (CI) | 16 |
| 7.0 CONCLUSIONS | 41 |
| 8.0 RECOMMENDATIONS | 43 |

Appendix A-Table for All Segments

Appendix B-Isolated Intersection Capacity Analysis Summary Sheets

List of Tables

Page No.

| | |
|--|------|
| Table E-1 - Summary of Congested Segments (LOS D-F)-AM Peak Hour | E-8 |
| Table E-2 - Summary of Congested Segments (LOS D-F)-PM Peak Hour | E-15 |
| Table E-3 – Top 20 Most Congested Segments | E-27 |
| Table 1-Congestion Index Criteria..... | 14 |
| Table 2 - Summary of Study Roadways in Terms of LOS | 16 |
| Table 3 – Isolated Intersection Optimized with Synchro | 17 |
| Table 4 - Summary of Congested Segments (LOS D-F) AM Peak Hour | 18 |
| Table 5 - Summary of Congested Segments (LOS D-F)-PM Peak Hour..... | 25 |
| Table 6 – Top 20 Most Congested Segments | 37 |

List of Figures

Page No.

| | |
|--|-----|
| Figure E-1 – Congested Segments-LOS D-F for Either AM or PM peak Period..... | E-7 |
| Figure 1 – Routes | 2 |
| Figure 2 – Mapping Elements | 5 |
| Figure 3 – Directional Lanes | 6 |
| Figure 4 – Functional Classification | 7 |
| Figure 5 – Speed Limits | 8 |
| Figure 6 – School Zones | 9 |
| Figure 7 – Jurisdictions | 10 |
| Figure 8 – Construction Zones | 11 |
| Figure 9 – Ramp Gores | 12 |
| Figure 10 – Example 1-Second Speed on Congested Segment Near Signal..... | 39 |
| Figure 11 – Isolated Intersection Locations..... | 40 |
| Figure 12 – 0.1 Mile Segments | 42 |
| Figure 13 –Continuous Flow Intersection Diagram..... | 44 |
| Figure 14 –Breakdown of Winter 2003-2004 Improvement Recommendations | 45 |
| Figure 15 –Breakdown of Winter 2003-2004 Improvement Recommendations by Segment..... | 46 |

1.0 EXECUTIVE SUMMARY

Purpose

The Chatham County – Savannah MPC 2004 Congestion Management System (CMS) was conducted to evaluate the conditions of the existing roadway network, prepare recommendations for congestion mitigation measures, and project the future conditions of the primary roads within Chatham County. This information will be used by the MPO primarily to identify congestion and mobility problems and target these areas for improvement.

The purpose of this study was to identify problem areas using travel time studies and to prepare recommendations to improve the traffic flow on the transportation system as a whole and on specific corridors. The results of this study are used as factors in prioritizing needed improvements.

Background

The Federal Register established the regulations and expectations of a CMS that applies to those TMA's above 200,000 in population as determined by the 2000 Census. The Register is written in such a way as to provide guidance and minimums, but leaves specifics up to the agency to customize their approach to maximize the local benefits. Those minimums include the requirement that the system needs that are identified through the CMS be considered in preparation of the metropolitan and statewide transportation plan. Congestion, for the purpose of CMS regulations, is the level at which the transportation system performance is no longer acceptable due to traffic interference.



This regulation leaves it open to the local agency to define what is unacceptable delay or congestion. The register further suggests, "An effective CMS is a systematic process for managing congestion that provides information on transportation system performance and on alternative strategies for alleviating congestion and enhancing the mobility of persons and goods to levels that meet State and local needs."

The following CMS minimums are highlighted and shall be developed, established, and implemented as part of the metropolitan planning process and shall include:

1. Methods to monitor and evaluate the performance of the multi-modal transportation system, identify causes of congestion, identify and evaluate alternative actions, and evaluate the efficiency or effectiveness of implemented actions;
2. Definitions of performance measures for the extent of congestion and the effectiveness of congestion reduction and mobility strategies;
3. Establishment of a methodology for collecting the data and system monitoring that defines the extent and duration of congestion, determination of the causes of congestion, and evaluation of the implemented mitigation;

4. Identification and evaluation of the recommended mitigation that will contribute to more efficient use of the existing transportation network;
5. Identification of schedule, responsibilities, and possible funding sources; and
6. Implementation of a process for periodic assessment of the network.

Improvements include signal timing optimization, access management, adding signals , and roadway widening.

Signal timing optimization increases the efficiency of an isolated traffic signal, providing more green time to the heavier movements. This allows more traffic to pass through the signal with less delay. Traffic signal progression improves the flow of traffic along a corridor. By adjusting signal timing and offsets, drivers can travel longer distances along a corridor before having to stop for a red light. This decreases travel time and improves air quality. Both signal timing optimization and traffic signal progression are low cost improvements to make the best use of existing capacity and optimize allocation of funding.

The U.S. Department of Transportation's Federal Highway Administration (FHWA) has produced a video showing that retiming traffic signals is one of the more cost-effective techniques available to state and local agencies in their efforts to manage congestion and growing travel demand. The video, "It's About Time, Traffic Signal Management: Cost-Effective Street Capacity and Safety," demonstrates how signal timing on roads can improve air quality while reducing fuel consumption, decreasing traffic congestion, and saving time for commercial and emergency vehicles. Two-thirds of all highway miles in the United States are roads with traffic signals. According to the Institute of Transportation Engineers, the United States has about 300,000 traffic signals. The performance of about 75 percent of them could be improved easily and inexpensively by updating equipment or by simply adjusting the timing.

Access management minimizes the number of access points along a given section of roadway. Reducing and combining access points, reduces the number of conflict areas along a corridor. Traffic generally slows down to make right and left turns into driveways and limiting the number of driveways limits the areas where traffic is interrupted by turning movements. In some cases, right or left turn lanes can be provided at combined driveways, and the slow turning movements can be removed from the through lanes.

Adding signals may be an improvement at four-way stop intersections or intersections with heavy major street and cross street traffic. This reduces delay for previously stop-controlled movements but may increase delay for movements that were not controlled. As traffic volumes increase, traffic signals, when warranted, are necessary to efficiently move traffic.

Roadway widening is necessary where traffic signal timing and access management are unable to provide enough capacity for heavy traffic volumes. Widening could include adding a through lane for a long section of road, or providing turn lanes at intersections. Adding capacity through roadway widening is generally expensive.

Methodology

The approach developed and used by Carter & Burgess includes study design in cooperation with the MPC, data collection using GPS and geo-referenced digital video, quality control procedures to ensure accurate data, coordination among the Consultant and agencies, data manipulation, public involvement, presentation of the data in tabular and map formats, and preparation of recommended mitigation for those areas found to be congested. This methodology far exceeds the minimum established by FHWA. Details about each component will be discussed in more detail in other areas of the study.

The Study design is a detailed plan of the study procedures and process. It was developed with the MPC and was followed through the course of the study. This document contains definitions, descriptions, and explanations that can be used for future studies, improving the compatibility of current and historical data.

Travel time data was collected using Global Positioning System (GPS). Multiple vehicles were used to perform three (3) runs in each direction during the morning and afternoon peaks, and two (2) runs in each direction during the off peak period. The GPS equipment recorded vehicle locations every second, and this information was used to calculate travel times, intersection delay, and approach LOS.

Geo-referenced digital video was recorded on selected runs and used to illustrate the conditions on each roadway.

The travel time data was manipulated to show average speeds by time period in relation to roadway functional classification and number of lanes.

This study was conducted on approximately 336 centerline miles of roadways in Chatham County. The study included 59 different roadways divided into 1,049 directional links bound by a traffic signal, stop sign, or major cross street.

Through the use of a GPS, the travel time runs and resulting delay values pinpoint congested areas. By collecting position and speed data every second, areas of delay were highlighted. This data, coupled with geo-referenced digital video of the roadway system, provide the needed reference material to prepare recommendations that are focused around the problem areas.

Through the efforts in multiple public meetings, various performance measures have been developed. These include the use of what will be called congestion index (CI) which is the % of posted speed and approach level-of-service (LOS). LOS is calculated for arterials based on the delay encountered on each link. The delay is based on comparing the average actual travel time for each time period against the theoretical travel time if one was able to drive unconstrained at the posted speed limit with no stops due to signals or other traffic control devices.

LOS is a standard measure established in the Highway Capacity Manual (HCM) and has pre-established thresholds for each level. This is also true for what the HCM calls % below posted speed limit. But, the levels indicated in the manual are typically related to larger, more congested regions. Therefore, since FHWA allows the local jurisdictions to

establish their own performance measures and thresholds, one additional performance measure was established together with the steering committee and public meetings. In addition to LOS one other performance measure used to identify congestion was congestion index. Congestion index is a ratio of actual speed to posted speed (i.e. less than 70% posted speed equals congestion).

1.1 Key Findings

Based on this criterion, of the 589 directional miles of roadways studied, 531.7 miles were LOS A-C and 57.1 miles were congested (LOS D-F). Therefore, for the 2004 CMS performed during the winter season, 90.3% of the roadways operated within an acceptable range.

Figure E-1 illustrates the segments found to be congested in either the AM or PM time period.

The majority of the segments found to be congested this season were on roadways that include planned/programmed capacity improvements. This was the case for 24% of the congested segments during both the AM and PM periods.

The next highest portion of congested segments would benefit from improved signal optimization and coordination with adjacent signals. Of the roadway segments that were congested, 23% and 15% of them would improve to acceptable levels with updated signal timing, for the AM and PM periods, respectively.



The other large group of congested segments fall on roadways classified as constrained corridors. Capital improvements on these roads may be limited, thus operational improvements should be considered to maximize the throughput. These corridors include canopy roadways. These are a major attraction in Savannah and should be maintained.

1.2 Recommendations

Recommended improvements for congested AM segments are listed in **Table E-1** and congested PM segments are listed in **Table E-2**. The AM and PM congested segments are also shown on **Figure E-1**. The 20 most congested locations along with potential improvements are listed in **Table E-3**.

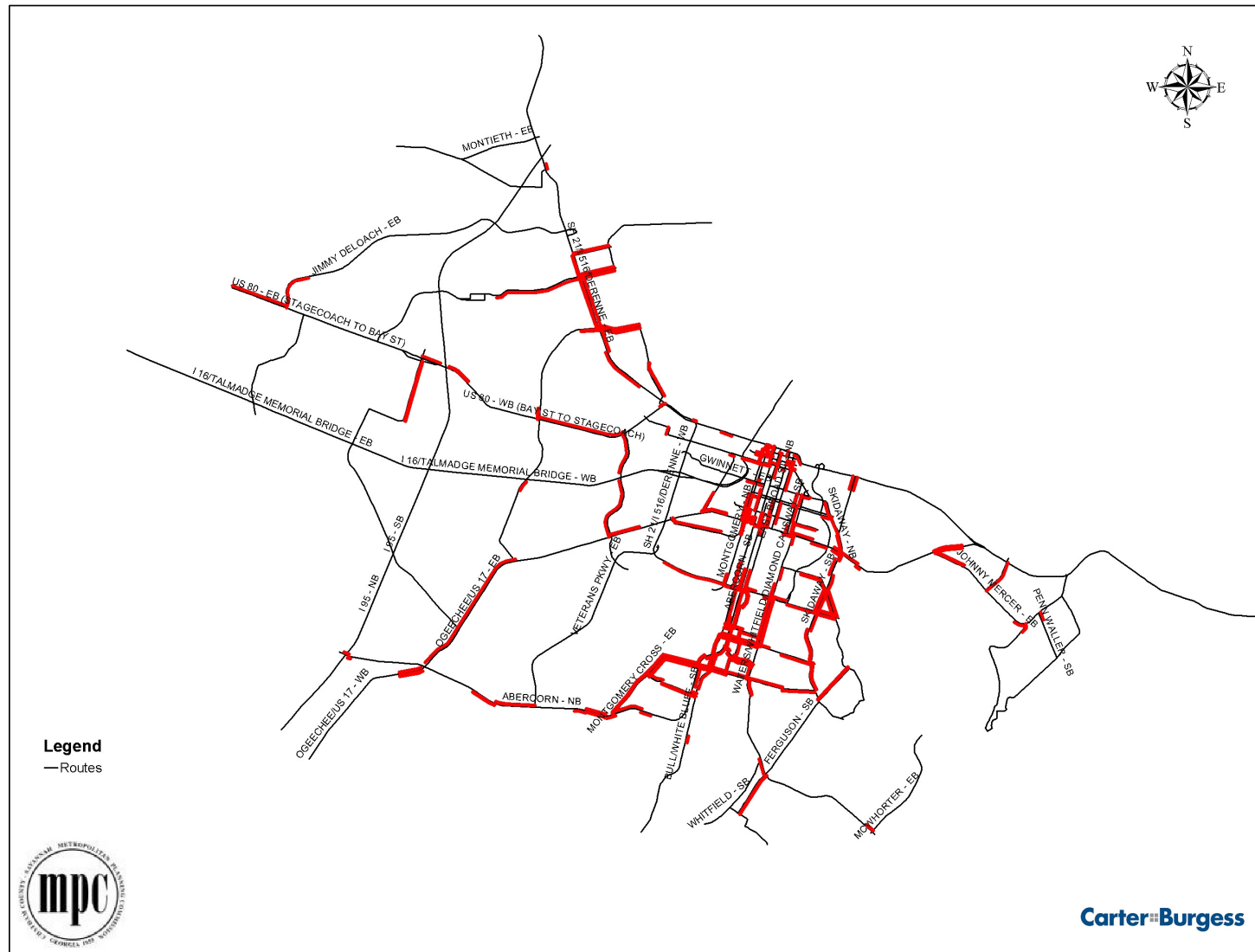


Figure E-1 – Congested Segments-LOS D-F for Either AM or PM peak Period

Table E-1 - Summary of Congested Segments (LOS D-F)-AM Peak Hour

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | 23.8 | 35 | 0.68 | 85.8 | 67.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | 14.4 | 35 | 0.41 | 57.7 | 42.8 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | White Bluff to Hodgeson Memorial | 5003004 | 5003 | 2376.4 | 23.1 | 35 | 0.66 | 36.1 | 23.3 | Signal | D | Signal Timing | Delays along Montgomery between Abercorn and Waters, Coordinate signals |
| MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 5004 | 4851.7 | 24.1 | 45 | 0.53 | 73.7 | 37.6 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | White Bluff to Abercorn | 5004005 | 5004 | 1567.6 | 14.8 | 35 | 0.42 | 52.7 | 34.8 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | 23.3 | 35 | 0.67 | 75.1 | 47.7 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| | | | | | | | | | | | | | |
| MALL BLVD - EB | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | 24.2 | 40 | 0.60 | 37.7 | 22.5 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - WB | Waters to Hodgeson Memorial | 5006002 | 5006 | 3116.5 | 24.4 | 40 | 0.61 | 37.6 | 21.3 | Signal | D | Signal Operations, NB right turn | NB right turn may free up time for Mall Blvd traffic along with optimized timing |
| | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | 9.6 | 40 | 0.24 | 76.1 | 57.5 | Signal | E | Excessive delays back through Mall Way | Consider change in lane use for shared dual left, study addition of NB right turn |
| | | | | | | | | | | | | | |
| EISENHOWER - WB | Seawright to Waters | 5008004 | 5008 | 1520.6 | 15.6 | 45 | 0.35 | 48.0 | 28.7 | Signal | D | Delays throughout the corridor to Truman | Coordinate timing throughout corridor |
| | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | 5.2 | 40 | 0.13 | 99.9 | 79.0 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| | | | | | | | | | | | | | |
| 52ND ST/MILLS - WB | Liberty to Victory | 5010004 | 5010 | 1108 | 12.7 | 40 | 0.32 | 43.2 | 20.3 | Signal | D | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| | | | | | | | | | | | | | |
| OGEECHEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | 25.6 | 45 | 0.57 | 37.4 | 15.8 | Signal | D | Currently under construction | Study next CMS |
| | | | | | | | | | | | | | |
| 37TH ST - EB | Waters to Bee Rd | 5013015 | 5013 | 2817.4 | 20.4 | 35 | 0.58 | 44.5 | 19.5 | Signal | D | Secondary street on fringe of urban core | This is the end of route with a Stop sign, delays acceptable on fringe in this case |
| | | | | | | | | | | | | | |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | West Boundary to MLK | 5021009 | 5021 | 1483.5 | 15.3 | 35 | 0.44 | 45.9 | 31.0 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | 13.9 | 35 | 0.40 | 39.9 | 22.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | 13.5 | 35 | 0.39 | 26.2 | 13.8 | Cross Street | E | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | 8.5 | 25 | 0.34 | 38.1 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | Montgomery to MLK | 5024008 | 5024 | 363 | 3.2 | 25 | 0.13 | 69.7 | 56.3 | Signal | E | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| | MLK to Fahm | 5024009 | 5024 | 954 | 12.0 | 35 | 0.34 | 38.0 | 23.3 | Signal | D | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| US 80 - WB (BAY ST TO STAGECOACH) | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | 23.6 | 45 | 0.52 | 45.6 | 31.7 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| JIMMY DELOACH - EB | US 80 to Prescott | 5029001 | 5029 | 6215.1 | 45.4 | 55 | 0.83 | 36.0 | 0.0 | TWSC | E | No delays observed, just slow start-ups from US 80 | No improvements necessary |
| SH 21/I 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | 28.1 | 55 | 0.51 | 70.8 | 31.8 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | 29.3 | 55 | 0.53 | 138.1 | 64.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | Liberty to Montgomery | 5035024 | 5035 | 8966.9 | 18.8 | 54 | 0.35 | 218.0 | 114.0 | Cross Street | E | End of Freeway Section, Delays expected | Excessive demand from freeway, delays unavoidable, Consider in E-W Study |
| | Montgomery to Bull | 5035025 | 5035 | 1374.5 | 21.0 | 40 | 0.53 | 60.1 | 39.0 | Signal | E | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Bull to Abercorn | 5035026 | 5035 | 869.4 | 5.5 | 40 | 0.14 | 98.6 | 72.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Paulsen to Waters | 5035030 | 5035 | 1059 | 22.6 | 40 | 0.57 | 50.1 | 39.5 | Signal | D | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 17.8 | 32 | 0.56 | 65.7 | 45.4 | Signal | E | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| BAY ST/GEN MC INTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 10.3 | 35 | 0.29 | 26.0 | 15.7 | Cross Street | E | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| | Main St to Burnsed | 5042026 | 5042 | 799.2 | 13.6 | 35 | 0.39 | 42.5 | 31.8 | Signal | D | Closely spaced signals and RR crossing | Coordinate signals between Burnsed and Market |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 26.6 | 39 | 0.68 | 73.4 | 66.0 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|---------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|---|
| DEAN FOREST/BOURNE - NB | Southridge to I-16 EB Ramp | 5051002 | 5051 | 1530.4 | 23.2 | 45 | 0.52 | 31.6 | 21.7 | Cross Street | D | High truck volumes | Priority IA - Widen from 2-4 between US 17 and I-16 - Consider Single Point Urban Interchange (SPUI) |
| | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 18.9 | 45 | 0.42 | 120.0 | 84.3 | Cross Street | E | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 22.9 | 45 | 0.51 | 104.9 | 93.8 | Signal | F | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | 16.9 | 35 | 0.48 | 41.1 | 21.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | 10.2 | 35 | 0.29 | 49.9 | 35.9 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | 37th St to Victory | 5060011 | 5060 | 1760.9 | 17.1 | 35 | 0.49 | 36.4 | 25.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MONTGOMERY - NB | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | 5.9 | 30 | 0.20 | 31.8 | 20.6 | Cross Street | F | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | 17.3 | 35 | 0.49 | 58.6 | 43.4 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| WHITAKER - SB | West Park to Henry | 5064007 | 5064 | 607 | 10.3 | 35 | 0.29 | 25.8 | 16.7 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Anderson to 37th St | 5064009 | 5064 | 2059.4 | 17.4 | 35 | 0.50 | 47.1 | 32.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 43th St to Victory | 5064011 | 5064 | 898.6 | 15.5 | 35 | 0.44 | 26.5 | 14.7 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BULL/WHITE BLUFF - NB | Television Circle to Montgomery Cross | 5065010 | 5065 | 3378 | 18.5 | 40 | 0.46 | 71.5 | 45.2 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | 7.1 | 40 | 0.18 | 69.9 | 48.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| | Hampstead to DeRenne | 5065017 | 5065 | 1250 | 8.2 | 35 | 0.23 | 91.2 | 69.8 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BULL/WHITE BLUFF - SB | 40th St to Victory | 5066001 | 5066 | 950 | 9.8 | 35 | 0.28 | 45.7 | 28.5 | Cross Street | F | Excessive delay at Victory and over to Montgomery | Update and coordinate signal timing on Victory from MLK to the east |
| | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | 23.0 | 32 | 0.72 | 35.5 | 22.8 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | 26.2 | 40 | 0.66 | 44.8 | 33.5 | Signal | D | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | 14.0 | 40 | 0.35 | 50.8 | 34.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | 17.6 | 55 | 0.32 | 25.9 | 17.0 | Cross Street | E | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| | Pine Grove to King George | 5069006 | 5069 | 3413.4 | 26.2 | 55 | 0.48 | 103.9 | 59.5 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| | Rio to Apache | 5069010 | 5069 | 2685.1 | 29.3 | 45 | 0.65 | 35.9 | 21.0 | Signal | D | Excessive delays at Apache | Priority IB - Operational, Priority IC - Widen from Rio to Truman, Coordinate between Rio and King George |
| | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | 27.3 | 45 | 0.61 | 37.1 | 28.8 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | 5.6 | 40 | 0.14 | 83.8 | 66.2 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| | Washington to Victory | 5069032 | 5069 | 1167.4 | 12.9 | 35 | 0.37 | 38.5 | 23.2 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | 14.7 | 35 | 0.42 | 64.1 | 41.8 | Signal | E | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | 19.5 | 40 | 0.49 | 50.3 | 32.3 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | 20.7 | 45 | 0.46 | 35.1 | 23.3 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| STILES - SB | Cloverdale to US 17 | 5074004 | 5074 | 3194.9 | 21.4 | 35 | 0.61 | 50.5 | 44.5 | Signal | D | Delay for left turning vehicles | GDOT will be installing a signal for SB left turns |
| SH 25 (CROSSGATE/BOURNE) - NB | SH 21 Spur to Port Authority | 5079004 | 5079 | 2073.9 | 26.3 | 35 | 0.75 | 80.8 | 58.0 | Signal | F | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | 28.8 | 45 | 0.64 | 41.7 | 25.2 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| WALTHOUR/WILLMINGTON ISLAND - SB | Wilmington Island to Johnny Mercer | 5086007 | 5086 | 1219.7 | 16.7 | 35 | 0.48 | 38.8 | 25.7 | Cross Street | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| BRYAN WOODS - EB | Johnny Mercer to US 80 | 5087001 | 5087 | 4918.8 | 28.5 | 45 | 0.63 | 46.0 | 32.0 | Signal | D | Minor Approach at Island Expressway | Cross Street delays expected |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | 10.5 | 35 | 0.30 | 66.8 | 43.0 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| | Mail Way to Montgomery Cross | 5090004 | 5090 | 2054.7 | 24.4 | 35 | 0.70 | 42.4 | 36.0 | Signal | D | Signal Operations, good capacity for all mvmts | Optimize signal timing at Montgomery |
| STEPHENSON - WB | Habersham to Abercorn | 5092004 | 5092 | 702.3 | 5.4 | 30 | 0.18 | 99.6 | 78.0 | Signal | F | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | 9.5 | 30 | 0.32 | 49.5 | 37.3 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | 13.8 | 35 | 0.39 | 82.6 | 67.7 | Cross Street | E | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | 16.3 | 35 | 0.46 | 66.4 | 43.3 | Signal | E | Minor Approach at SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | 17.5 | 35 | 0.50 | 66.7 | 44.3 | Cross Street | D | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | 28.2 | 40 | 0.71 | 46.4 | 35.3 | Signal | D | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | 20.9 | 41 | 0.51 | 78.8 | 48.3 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| HARMON - SB | Gwinnett to Henry | 5106003 | 5106 | 1564.1 | 14.1 | 25 | 0.57 | 38.3 | 38.0 | TWSC | E | Urban Core | Cross Street delays expected with priority given to east-west |
| | Henry to Anderson | 5106004 | 5106 | 321.2 | 4.8 | 25 | 0.19 | 37.6 | 30.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|------------|-----|---|---|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Green Island to Landings/Village | 5107002 | 5107 | 1197.7 | 14.2 | 40 | 0.35 | 45.6 | 28.0 | AWSC | E | Delays at Landings/Village | Priority IC - Widen 2-4 from Ferguson to McWhorter |
| | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | 18.4 | 45 | 0.41 | 54.1 | 36.0 | City Limit | E | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | 18.7 | 35 | 0.53 | 109.4 | 49.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| | 63rd St to Columbus | 5107017 | 5107 | 1490.8 | 13.2 | 35 | 0.38 | 47.5 | 35.0 | Signal | D | Short Distance between Columbus and LaRoche | Coordinate signals between Columbus and LaRoche |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 37th St to Victory | 5108005 | 5108 | 1705.4 | 12.8 | 29 | 0.44 | 66.7 | 41.0 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | 15.0 | 35 | 0.43 | 58.8 | 41.3 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | 26.2 | 40 | 0.65 | 56.7 | 26.8 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | 19.9 | 35 | 0.57 | 67.3 | 44.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Colorado to Victory | 5115010 | 5115 | 953.4 | 15.7 | 35 | 0.45 | 39.6 | 25.3 | Signal | D | Delay at Victory, sufficient capacity for all mvmmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - SB | Henry/Anderson to 36th St | 5116002 | 5116 | 2853.5 | 20.4 | 35 | 0.58 | 42.9 | 16.0 | Signal | D | Short Distance between Penn and 36th St | Coordinate signals between Penn and 36th St |
| | 36th St to Victory | 5116003 | 5116 | 2607.6 | 13.6 | 35 | 0.39 | 83.8 | 59.3 | Signal | F | Delay at Victory, sufficient capacity for all mvmmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | 13.3 | 35 | 0.38 | 126.9 | 85.5 | Signal | F | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | 27.5 | 40 | 0.69 | 47.3 | 25.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | 23.5 | 30 | 0.79 | 34.8 | 28.3 | AWSC | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| | Abercorn to White Bluff | 5121003 | 5121 | 704.2 | 7.6 | 35 | 0.22 | 51.5 | 38.5 | Signal | D | Minor Approach at Bill White | Cross street delays expected |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | 7.4 | 35 | 0.21 | 77.8 | 61.0 | Signal | E | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | 21.5 | 30 | 0.72 | 46.9 | 35.3 | Signal | D | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening, Optimize signal timing |

AM Congested Segments Cont.
Table E-1

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|---|
| VICTORY/SAFOLD/ ISLANDEXPRESSWAY/US 80 - EB | Johnny Mercer to White Marsh | 5129027 | 5129 | 3924.1 | 29.4 | 55 | 0.53 | 49.8 | 29.0 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| VICTORY/SAFOLD/ ISLANDEXPRESSWAY/US 80 - WB | White Marsh to Johnny Mercer | 5130013 | 5130 | 3924.1 | 36.7 | 55 | 0.67 | 36.5 | 14.7 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| | Thunderbolt City Limit to Commercial Driveway | 5130019 | 5130 | 2207.9 | 18.7 | 40 | 0.47 | 42.8 | 19.0 | Cross Street | D | Delay at Victory, sufficient capacity for all mvmt | Coordinate signal with Skidaway |
| | Commercial Driveway to Skidaway | 5130020 | 5130 | 542.1 | 5.4 | 40 | 0.13 | 61.3 | 42.7 | Signal | E | Delay at Skidaway, sufficient capacity | Dedicated right turn bay both sides, coordinating Victory timing will improve int ops |
| | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | 21.5 | 35 | 0.61 | 53.9 | 35.0 | Signal | D | Delays at intersection with Ogeechee | Study intersection for possible signalization |

Table E-2 - Summary of Congested Segments (LOS D-F)-PM Peak Hour

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | 20.9 | 35 | 0.60 | 113.1 | 89.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | 11.8 | 35 | 0.34 | 58.6 | 41.7 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Sallie Mood to Skidaway | 5003007 | 5003 | 4487.2 | 24.6 | 45 | 0.55 | 58.0 | 27.3 | Signal | E | T intersection limits capacity | Intersection capacity if limited due to the T configuration, optimize signal operations |
| MONTGOMERY CROSS - WB | Waters to Hodgeson Memorial | 5004003 | 5004 | 3078.1 | 19.1 | 35 | 0.55 | 53.5 | 38.3 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Hodgeson Memorial to White Bluff | 5004004 | 5004 | 2376.4 | 17.5 | 35 | 0.50 | 46.1 | 32.7 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Abercorn to Tibet Ave | 5004006 | 5004 | 8340.3 | 28.6 | 35 | 0.82 | 37.6 | 7.0 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | 25.3 | 35 | 0.72 | 60.8 | 14.8 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| MALL BLVD - EB | Mall Way to Hodgeson Memorial | 5005003 | 5005 | 871.9 | 10.1 | 40 | 0.25 | 48.6 | 30.7 | Signal | D | High Volume of Right turning Mall vehicles | Geometrics - Add right turn bay for existing channelized movement |
| | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | 24.4 | 40 | 0.61 | 35.7 | 16.7 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | 5.0 | 40 | 0.12 | 179.2 | 138.0 | Signal | F | Planned Intersection TIP | Consider change in lane use for shared dual left, study addition of NB right turn |
| EISENHOWER - EB | White Bluff to Abercorn | 5007001 | 5007 | 874.6 | 5.9 | 40 | 0.15 | 84.2 | 60.8 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| | Abercorn to Hodgeson Memorial | 5007002 | 5007 | 1679.8 | 10.5 | 40 | 0.26 | 84.5 | 57.0 | Signal | F | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| | Sallie Mood to Skidaway | 5007006 | 5007 | 4273.3 | 25.8 | 45 | 0.57 | 58.4 | 35.0 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| EISENHOWER - WB | Hodgeson Memorial to Abercorn | 5008006 | 5008 | 1679.8 | 14.1 | 40 | 0.35 | 60.8 | 38.0 | Signal | E | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | 7.6 | 40 | 0.19 | 73.5 | 55.4 | Signal | E | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| 52ND ST/MILLS - WB | Hopkins to Liberty | 5010003 | 5010 | 6113.7 | 30.9 | 43 | 0.72 | 43.6 | 14.8 | Signal | D | Delays between Hopkins and Victory - 1 lane approach and short distance between Liberty and Victory | Signal Operations - Coordination between Hopkins and Victory |
| | Liberty to Victory | 5010004 | 5010 | 1108 | 8.6 | 40 | 0.22 | 68.1 | 42.8 | Signal | E | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| OGEECHEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | 22.8 | 45 | 0.51 | 51.9 | 29.4 | Signal | D | Currently under construction | Study next CMS |
| OGEECHEE/US 17 - WB | Gamble to Chatham Pkwy | 5012003 | 5012 | 4079.5 | 26.2 | 45 | 0.58 | 54.7 | 39.8 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | Garden City City Limit to Quacco | 5012006 | 5012 | 12561.7 | 20.0 | 45 | 0.44 | 324.8 | 85.5 | Cross Street | E | Currently under construction | Study next CMS |
| | Quacco to SH 204 WB Ramp | 5012007 | 5012 | 6651.9 | 19.0 | 40 | 0.47 | 138.7 | 53.0 | Signal | F | Currently under construction | Study next CMS |
| | SH 204 EB Ramp to Chevis | 5012009 | 5012 | 3154.4 | 20.4 | 45 | 0.45 | 75.1 | 21.0 | Signal | E | Currently under construction | Study next CMS |
| GWINNETT - EB | May to MLK | 5019006 | 5019 | 1029.5 | 15.3 | 35 | 0.44 | 35.2 | 23.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Jefferson to Barnard | 5019009 | 5019 | 367.8 | 12.6 | 25 | 0.50 | 11.6 | 5.5 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Waters to Wheaton | 5019021 | 5019 | 773.1 | 11.2 | 30 | 0.37 | 30.7 | 17.7 | TWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| GWINNETT - WB | Jefferson to Montgomery | 5020014 | 5020 | 283.5 | 11.9 | 25 | 0.48 | 13.8 | 10.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Lathrop to Stiles | 5021006 | 5021 | 603.2 | 9.2 | 35 | 0.26 | 35.8 | 24.0 | Signal | D | Short distance between East Lathrop and Stiles | Signal Operations - Coordinate signals between East Lathrop and Stiles |
| | I-16 to West Boundary | 5021008 | 5021 | 1096.5 | 17.3 | 35 | 0.49 | 27.3 | 12.3 | Cross Street | D | Freq right turns | Construct right turn bay to remove turning traffic from 1 lane approach |
| | West Boundary to MLK | 5021009 | 5021 | 1483.5 | 13.5 | 35 | 0.39 | 53.4 | 38.5 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| | MLK to Montgomery | 5021010 | 5021 | 344.3 | 15.4 | 35 | 0.44 | 35.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | 12.8 | 35 | 0.37 | 52.0 | 33.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Habersham to Price | 5021015 | 5021 | 304 | 5.0 | 35 | 0.14 | 41.3 | 24.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | 15.8 | 35 | 0.45 | 33.4 | 21.3 | Cross Street | D | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | 6.1 | 25 | 0.25 | 68.4 | 52.8 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | Whitaker to Montgomery | 5024007 | 5024 | 1041.8 | 11.0 | 25 | 0.44 | 35.9 | 24.8 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| US 80 - WB (BAY ST TO STAGECOACH) | Heidt to SH 307 - Bourne | 5028003 | 5028 | 11979.2 | 37.5 | 45 | 0.83 | 38.7 | 33.0 | Signal | D | Excessive delay at Dean Forest Rd | All the delay occurs at the intersection and it appears this could be minimized through signal optimization |
| | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | 26.4 | 45 | 0.59 | 38.4 | 16.8 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| | Parsons to Rogers | 5028007 | 5028 | 2662 | 22.2 | 45 | 0.49 | 44.6 | 18.0 | Signal | D | Poor signal coordination between I-95 and Rogers | Coordinate signals between I-95 and Rogers |
| | Jimmy Deloach to Effingham County | 5028012 | 5028 | 7829.1 | 39.8 | 55 | 0.72 | 38.6 | 0.0 | TWSC | E | Minor Delays in the PM Period | Priority I - Widen from 2-5 lanes from County Line to Cherry |
| SH 21/I 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | 18.1 | 55 | 0.33 | 84.4 | 57.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | 33.0 | 55 | 0.60 | 72.3 | 43.0 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| | Smith to Brampton | 5035012 | 5035 | 6510.3 | 35.6 | 55 | 0.65 | 43.8 | 24.5 | Signal | D | PM Delays for EB | Long Range Plan calls for Widening SH 21, Consider continuous EB intersection operations |
| | Montgomery to Bull | 5035025 | 5035 | 1374.5 | 6.0 | 40 | 0.15 | 140.9 | 103.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Abercorn to Habersham | 5035027 | 5035 | 733.1 | 4.7 | 40 | 0.12 | 94.0 | 74.5 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Paulsen to Waters | 5035030 | 5035 | 1059 | 8.2 | 40 | 0.20 | 91.5 | 70.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Skidaway to La Roche | 5035034 | 5035 | 2702.5 | 23.6 | 40 | 0.59 | 36.4 | 15.3 | Signal | D | Sufficient Capacity for turning movements | Consider widening to match section to West |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 19.2 | 40 | 0.48 | 53.6 | 31.7 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | 14.0 | 40 | 0.35 | 68.7 | 50.7 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull, Consider in E-W Study |
| | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | 10.8 | 40 | 0.27 | 75.7 | 44.0 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull |
| | Smith to SH 25 | 5036025 | 5036 | 3445.5 | 22.8 | 55 | 0.41 | 77.7 | 34.4 | Signal | E | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy PM volumes with Truck traffic - construct storage for trucks |
| | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| | | | | | | | | | | | | | |
| BAY ST/GEN MCINTOSH /PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | 17.8 | 40 | 0.44 | 42.1 | 17.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BAY ST/GEN MCINTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 15.9 | 35 | 0.45 | 20.2 | 13.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| | | | | | | | | | | | | | |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 23.5 | 39 | 0.60 | 102.0 | 79.8 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| | | | | | | | | | | | | | |
| DEAN FOREST/ BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 26.1 | 45 | 0.58 | 67.7 | 36.0 | Cross Street | D | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | 13.1 | 45 | 0.29 | 66.7 | 49.3 | Flashing Yellow | F | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| | | | | | | | | | | | | | |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | 31.8 | 45 | 0.71 | 36.6 | 17.0 | Signal | D | Lone signal after long distance uncontrolled leads to random arrivals | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | 33.5 | 45 | 0.74 | 54.7 | 41.7 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|---|
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 19.2 | 40 | 0.48 | 53.6 | 31.7 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | 14.0 | 40 | 0.35 | 68.7 | 50.7 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull, Consider in E-W Study |
| | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | 10.8 | 40 | 0.27 | 75.7 | 44.0 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull |
| | Smith to SH 25 | 5036025 | 5036 | 3445.5 | 22.8 | 55 | 0.41 | 77.7 | 34.4 | Signal | E | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy PM volumes with Truck traffic - construct storage for trucks |
| | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| BAY ST/GEN MCINTOSH /PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | 17.8 | 40 | 0.44 | 42.1 | 17.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BAY ST/GEN MCINTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 15.9 | 35 | 0.45 | 20.2 | 13.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 23.5 | 39 | 0.60 | 102.0 | 79.8 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| DEAN FOREST/ BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 26.1 | 45 | 0.58 | 67.7 | 36.0 | Cross Street | D | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | 13.1 | 45 | 0.29 | 66.7 | 49.3 | Flashing Yellow | F | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | 31.8 | 45 | 0.71 | 36.6 | 17.0 | Signal | D | Lone signal after long distance uncontrolled leads to random arrivals | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | 33.5 | 45 | 0.74 | 54.7 | 41.7 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | 15.4 | 35 | 0.44 | 45.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | 37th St to Anderson | 5059003 | 5059 | 2045.8 | 17.5 | 35 | 0.50 | 42.8 | 30.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | Broughton to Bay St | 5059011 | 5059 | 771.2 | 10.0 | 35 | 0.29 | 46.8 | 30.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|--|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|--|
| MARTIN LUTHER KING - SB | Broughton to Oglethorpe | 5060003 | 5060 | 714.8 | 12.5 | 35 | 0.36 | 39.9 | 24.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | 10.3 | 35 | 0.29 | 47.1 | 31.6 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | | | | | | | | | | | | | |
| MONTGOMERY - NB | Victory to 37th St | 5061007 | 5061 | 1832.1 | 16.0 | 35 | 0.46 | 49.4 | 25.9 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Oglethorpe to Broughton | 5061014 | 5061 | 804.2 | 11.9 | 30 | 0.40 | 40.5 | 23.2 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | 9.4 | 30 | 0.31 | 25.3 | 14.8 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | 37th St to Victory | 5062005 | 5062 | 1832.1 | 17.8 | 35 | 0.51 | 36.7 | 15.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | 11.3 | 35 | 0.32 | 73.0 | 53.3 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| | Franklin SQ N to Franklin SQ S | 5062015 | 5062 | 317.3 | 11.9 | 30 | 0.40 | 12.8 | 0.6 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | | | | | | | | | | | | | |
| WHITAKER - SB | Bay St to Broughton | 5064001 | 5064 | 852.7 | 9.6 | 25 | 0.38 | 62.5 | 42.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Broughton to Oglethorpe | 5064002 | 5064 | 809.9 | 15.5 | 25 | 0.62 | 39.9 | 20.6 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | West Park to Henry | 5064007 | 5064 | 607 | 17.3 | 35 | 0.49 | 19.0 | 9.6 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 43th St to Victory | 5064011 | 5064 | 898.6 | 13.3 | 35 | 0.38 | 45.7 | 28.5 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | | | | | | | | | | | | | |
| BULL/WHITE BLUFF - NB | Willow to Windsor | 5065004 | 5065 | 901.8 | 20.5 | 40 | 0.51 | 18.5 | 8.3 | Flashing Yellow | D | Signal Operations inefficient due to offset geometry | Improvements limited due to geometry, optimize signal timing and consider realignment for eastern approach |
| | Montgomery Cross to Mall Driveway | 5065011 | 5065 | 1406 | 22.5 | 40 | 0.56 | 36.1 | 24.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | 11.1 | 40 | 0.28 | 75.0 | 58.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| | Stephenson Ave / Hunter Airfield to Johnston | 5065015 | 5065 | 3200 | 23.4 | 40 | 0.58 | 91.9 | 40.7 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations, Left turn signal control |
| | Johnston to Hampstead | 5065016 | 5065 | 1051.8 | 9.8 | 40 | 0.25 | 103.7 | 62.3 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Hampstead to DeRenne | 5065017 | 5065 | 1250 | 4.3 | 35 | 0.12 | 177.4 | 132.7 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|---------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | 23.0 | 35 | 0.66 | 35.8 | 19.0 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | 9.2 | 40 | 0.23 | 179.3 | 129.3 | Signal | F | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | 11.0 | 40 | 0.27 | 71.4 | 44.6 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| DRAYTON - NB | Victory to 37th St | 5067001 | 5067 | 1712.5 | 17.4 | 35 | 0.50 | 39.3 | 19.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | 8.2 | 55 | 0.15 | 27.7 | 16.7 | Cross Street | F | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| | Pine Grove to King George | 5069006 | 5069 | 3413.4 | 28.2 | 55 | 0.51 | 69.3 | 40.3 | Signal | E | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| | City Limit to Rio | 5069009 | 5069 | 1579.9 | 26.3 | 55 | 0.48 | 26.9 | 2.7 | City Limit | D | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| | Apache to Science | 5069011 | 5069 | 1401.1 | 20.1 | 45 | 0.45 | 42.4 | 29.0 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman, Coordinate between Rio and King George |
| | Mercy to Largo | 5069013 | 5069 | 1390.8 | 11.8 | 45 | 0.26 | 57.6 | 38.3 | Signal | E | Intersection Delays at Largo | Priority IB - Operational, Priority IC - Widen 4-6 from Rio to Truman |
| | Television Circle to Montgomery Cross | 5069018 | 5069 | 2959.3 | 23.9 | 45 | 0.53 | 48.0 | 29.3 | Signal | D | Oversaturated Intersection | Consider NB and SB right turn lanes and optimize signal, Truman ext may relieve some volume |
| | Mall Driveway to White Bluff | 5069020 | 5069 | 1234.6 | 7.3 | 45 | 0.16 | 93.9 | 71.3 | Signal | F | short distance between Mall and White Bluff | Coordinate signals between Mall driveway and White Bluff, review turning movements |
| | White Bluff to Mall Blvd | 5069021 | 5069 | 1536.8 | 9.3 | 45 | 0.21 | 87.2 | 61.5 | Signal | F | Excessive Intersection Delays | Priority IB - Operational, NB right turn lane planned, will free up some time for others |
| | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | 22.5 | 45 | 0.50 | 65.4 | 45.0 | Signal | E | Poor signal coordination | Coordinate signals along Abercorn |
| | Eisenhower to Stephenson | 5069023 | 5069 | 1364.3 | 16.9 | 45 | 0.38 | 47.2 | 28.3 | Signal | D | Currently under construction on Stephenson | Coordinate signals along Abercorn, Study next CMS after construction |
| | Lee Blvd to Janet | 5069026 | 5069 | 1361.3 | 10.7 | 45 | 0.24 | 91.1 | 58.4 | Signal | F | Poor signal coordination | Coordinate signals along Abercorn |
| | Janet to Private Drive | 5069027 | 5069 | 1124.9 | 24.1 | 45 | 0.54 | 45.5 | 21.4 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | 4.4 | 40 | 0.11 | 107.0 | 81.6 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| ABERCORN - NB | Washington to Victory | 5069032 | 5069 | 1167.4 | 15.6 | 35 | 0.45 | 37.8 | 23.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | 17.8 | 35 | 0.51 | 46.2 | 33.0 | Signal | D | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | 22.7 | 40 | 0.57 | 47.2 | 31.0 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| | Jackson to Stephenson | 5070011 | 5070 | 1300.9 | 16.1 | 45 | 0.36 | 47.9 | 30.0 | Signal | D | Excessive Delays at Stephenson | Coordinate signals between DeRenne and Stephenson |
| | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | 18.6 | 45 | 0.41 | 54.3 | 32.0 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| | Mercy to Science | 5070023 | 5070 | 3831.4 | 29.6 | 45 | 0.66 | 39.0 | 20.5 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman |
| | Apache to Rio | 5070025 | 5070 | 2685.1 | 15.8 | 45 | 0.35 | 127.9 | 70.5 | Signal | F | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| | Veterens Pkwy to King George | 5070028 | 5070 | 5532.3 | 27.0 | 55 | 0.49 | 144.9 | 64.5 | Signal | F | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George appr |
| | I-95 to I-95 SB Ramp | 5070033 | 5070 | 691 | 21.8 | 55 | 0.40 | 21.5 | 9.2 | Cross Street | D | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| PRICE - SB | Bay St to Broughton | 5072001 | 5072 | 743.8 | 16.6 | 30 | 0.55 | 49.5 | 11.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Anderson to 37th St | 5072008 | 5072 | 1991.1 | 14.5 | 35 | 0.41 | 54.5 | 39.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 37th St to Victory | 5072009 | 5072 | 1781.3 | 19.2 | 35 | 0.55 | 36.0 | 21.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | 40th St to 37th St | 5075002 | 5075 | 922 | 16.8 | 35 | 0.48 | 29.9 | 17.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Gwinnett to Liberty | 5075006 | 5075 | 2845.5 | 23.4 | 35 | 0.67 | 40.9 | 22.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| SH 25 (CROSSGATE/BOURNE) - NB | SH 25 Merge to SH 21 Spur | 5079003 | 5079 | 3088.4 | 26.7 | 45 | 0.59 | 47.9 | 29.2 | Signal | D | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| JOHNNY MERCER - EB | Walgreens to Wilmington Island | 5083005 | 5083 | 1348.8 | 13.3 | 35 | 0.38 | 49.0 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | 27.2 | 45 | 0.61 | 44.8 | 30.3 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| HODGESON MEMORIAL - NB | Mall Way to Mall Blvd | 5089003 | 5089 | 500.3 | 8.7 | 35 | 0.25 | 38.2 | 27.7 | Signal | D | Short distance between Mall Way and Mall Blvd | Signal Operations - Coordinate signals between Mall Way and Mall Blvd |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | 9.3 | 35 | 0.26 | 77.5 | 61.3 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| STEPHENSON - EB | White Bluff to Abercorn | 5091001 | 5091 | 793.1 | 6.2 | 30 | 0.21 | 70.3 | 55.8 | Signal | E | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Hodgeson Memorial to Habersham | 5092003 | 5092 | 1012.3 | 10.6 | 25 | 0.43 | 43.8 | 26.8 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Habersham to Abercorn | 5092004 | 5092 | 702.3 | 10.8 | 30 | 0.36 | 44.2 | 32.3 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | 12.6 | 30 | 0.42 | 52.5 | 41.0 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | 7.6 | 35 | 0.22 | 176.3 | 106.7 | Cross Street | F | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Victory to 37th St | 5093007 | 5093 | 1712.5 | 15.2 | 30 | 0.51 | 40.4 | 25.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | 21.1 | 35 | 0.60 | 35.0 | 14.0 | Signal | D | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | 7.9 | 35 | 0.23 | 241.3 | 126.0 | Cross Street | F | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | 21.9 | 40 | 0.55 | 74.3 | 47.8 | Signal | E | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Patrick Graham Terminal to SH 21 | 5097009 | 5097 | 12131.6 | 21.0 | 40 | 0.53 | 224.0 | 120.0 | Cross Street | D | Currently detour due to construction on SR 25 | Study next CMS |
| | SH 21 to SH 25 | 5097010 | 5097 | 4673.4 | 26.6 | 41 | 0.65 | 42.3 | 13.0 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | 26.5 | 41 | 0.65 | 54.8 | 33.6 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| PENN WALLER - NB | Wassaw to Johnny Mercer | 5103004 | 5103 | 1115.9 | 14.9 | 35 | 0.43 | 33.4 | 22.3 | Cross Street | D | Minor Approach to Johnny Mercer | Side street delays are expected |
| HARMON - NB | 37th St to Anderson | 5105004 | 5105 | 1999.1 | 14.9 | 25 | 0.59 | 37.9 | 33.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|--------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|------------|-----|---|---|
| HARMON - SB | Henry to Anderson | 5106004 | 5106 | 321.2 | 4.5 | 25 | 0.18 | 35.4 | 31.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 39th St to Victory | 5106007 | 5106 | 1056.6 | 13.1 | 25 | 0.52 | 25.9 | 18.7 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired cond, Stop sign upstream restricts coordination |
| WATERS/WHITFIELD/DIAMOND CAUSWAY - NB | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | 15.6 | 45 | 0.35 | 67.3 | 53.7 | City Limit | F | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| | Eisenhower to Stephenson | 5107013 | 5107 | 1307.8 | 15.2 | 40 | 0.38 | 45.2 | 25.7 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | 11.3 | 35 | 0.32 | 251.2 | 111.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| WATERS/WHITFIELD/DIAMOND CAUSWAY - SB | Gwinnett to Henry | 5108002 | 5108 | 1592.1 | 19.0 | 30 | 0.63 | 25.2 | 14.3 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 37th St to Victory | 5108005 | 5108 | 1705.4 | 11.2 | 30 | 0.37 | 67.4 | 44.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | 17.2 | 35 | 0.49 | 50.1 | 13.0 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| | DeRenne to Stephenson | 5108013 | 5108 | 5497.8 | 14.0 | 35 | 0.40 | 159.8 | 47.3 | Signal | F | Corridor will improve with extension of Truman | Study next CMS |
| | Stephenson to Eisenhower | 5108014 | 5108 | 1307.7 | 13.3 | 40 | 0.33 | 48.8 | 29.7 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| | Mall Blvd to Montgomery Cross | 5108016 | 5108 | 1919.6 | 17.9 | 40 | 0.45 | 41.1 | 21.0 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| FERGUSON - NB | Shipyard to Diamond Causeway | 5113002 | 5113 | 6509.6 | 30.5 | 40 | 0.76 | 36.6 | 15.3 | TWSC | E | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | 26.2 | 40 | 0.66 | 54.5 | 19.5 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | 17.6 | 35 | 0.50 | 79.7 | 47.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | DeRenne to La Roche | 5115007 | 5115 | 3331.8 | 20.5 | 35 | 0.59 | 50.6 | 22.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | La Roche to 52nd St | 5115008 | 5115 | 2124.2 | 14.8 | 35 | 0.42 | 58.7 | 18.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Colorado to Victory | 5115010 | 5115 | 953.4 | 8.4 | 35 | 0.24 | 63.7 | 47.3 | Signal | E | Delay at Victory, sufficient capacity for all mvmnt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|---|
| SKIDAWAY - SB | Wheaton to Henry/Anderson | 5116001 | 5116 | 1912.8 | 14.2 | 30 | 0.47 | 48.0 | 37.3 | TWSC | E | Minor Approach to 5-legged intersection | Optimize Signal at Anderson |
| | 36th St to Victory | 5116003 | 5116 | 2607.6 | 19.7 | 35 | 0.56 | 42.6 | 24.0 | Signal | D | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| | Colorado to 52nd St | 5116005 | 5116 | 2264.6 | 16.4 | 35 | 0.47 | 52.0 | 27.7 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | 19.9 | 35 | 0.57 | 50.1 | 24.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | 21.4 | 40 | 0.53 | 68.5 | 29.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | | | | | | | | | | | | | |
| PENNSYLVANIA - NB | Capital to Islands Expressway | 5117003 | 5117 | 1858.6 | 13.8 | 30 | 0.46 | 63.8 | 45.5 | Signal | E | Minor Approach at Bay | Cross Street Delay Expected |
| PENNSYLVANIA - SB | Islands Expressway to Capital | 5118001 | 5118 | 1858.6 | 18.1 | 30 | 0.60 | 58.4 | 16.3 | Signal | E | Signal Operations at Capital | Signal Operations - at Capital |
| | | | | | | | | | | | | | |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | 17.6 | 35 | 0.50 | 82.4 | 56.3 | AWSC | F | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | 13.9 | 35 | 0.40 | 52.2 | 38.7 | Signal | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| | Largo to Middleground | 5122003 | 5122 | 2293.9 | 20.9 | 30 | 0.70 | 26.1 | 19.8 | AWSC | D | Minor Approach at Middleground | Cross Street Delay Expected |
| | | | | | | | | | | | | | |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | DeRenne to Skidaway | 5123006 | 5123 | 3966.4 | 19.7 | 35 | 0.56 | 62.8 | 39.0 | Signal | E | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway, will improve with Skidaway widening, Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | 19.0 | 30 | 0.63 | 60.9 | 48.0 | Signal | E | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening, Optimize signal timing |
| | Skidaway to DeRenne | 5124004 | 5124 | 3966.4 | 25.3 | 35 | 0.72 | 36.4 | 16.0 | Signal | D | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway |

PM Congested Segments Cont.
Table E-2

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---------------------------------------|--|
| VICTORY/SAFOLD/ISLANDEXPRESSWAY/US 80 - EB | Bull to Abercorn | 5129009 | 5129 | 817.4 | 18.3 | 35 | 0.52 | 39.2 | 31.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Paulsen to Waters | 5129014 | 5129 | 1255.7 | 16.8 | 35 | 0.48 | 40.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Bee Rd to Harry Truman SB Ramp | 5129016 | 5129 | 2149.2 | 18.1 | 40 | 0.45 | 49.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Walton to Skidaway | 5129019 | 5129 | 1174.6 | 11.3 | 40 | 0.28 | 75.3 | 45.5 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Thunderbolt City Limit to Whatley | 5129022 | 5129 | 609.8 | 16.0 | 35 | 0.46 | 35.5 | 24.0 | Cross Street | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLANDEXPRESSWAY/US 80 - WB | Skidaway to Walton | 5130021 | 5130 | 1174.6 | 8.4 | 40 | 0.21 | 73.1 | 55.3 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Bee Rd to Waters | 5130025 | 5130 | 2834.3 | 24.1 | 40 | 0.60 | 42.0 | 29.8 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Habersham to Abercorn | 5130030 | 5130 | 716 | 7.1 | 35 | 0.20 | 55.3 | 36.7 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | 21.6 | 35 | 0.62 | 58.3 | 34.5 | Signal | E | Delays at intersection with Ogeechee | Study intersection for possible signalization |

Table E-3 – Top 20 Most Congested Segments

| Rank | Route and Direction | Roadway Segment | Segment ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------|---|------------------------------|------------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|---|
| 1 | WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Stephenson to DeRenne | 5107014 | 5497.7 | PM | 11.3 | 35 | 0.32 | 251.2 | 111.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| | | | 5107014 | 5497.7 | MD | 16.1 | 35 | 0.46 | 130.3 | 62.0 | Signal | F | | |
| | | | 5107014 | 5497.7 | AM | 18.7 | 35 | 0.53 | 109.4 | 49.7 | Signal | F | | |
| 2 | HABERSHAM - SB | Johnston to Stephenson | 5094008 | 3189.1 | PM | 7.9 | 35 | 0.23 | 241.3 | 126.0 | Cross Street | F | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| | | | 5094008 | 3189.1 | AM | 17.5 | 35 | 0.50 | 66.7 | 44.3 | Cross Street | D | | |
| 3 | BULL/WHITE BLUFF - SB | Eisenhower to Abercorn | 5066010 | 2720.2 | PM | 9.2 | 40 | 0.23 | 179.3 | 129.3 | Signal | F | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap. |
| | | | 5066010 | 2720.2 | AM | 26.2 | 40 | 0.66 | 44.8 | 33.5 | Signal | D | | |
| | | | 5066010 | 2720.2 | MD | 23.5 | 40 | 0.59 | 44.1 | 29.3 | Signal | D | | |
| 4 | MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 889.8 | PM | 5.0 | 40 | 0.12 | 179.2 | 138.0 | Signal | F | Planned Intersection TIP | Consider change in lane use for shared dual left, study addition of NB right turn. |
| | | | 5006004 | 889.8 | AM | 9.6 | 40 | 0.24 | 76.1 | 57.5 | Signal | E | Excessive delays back through Mall Way | |
| 5 | BULL/WHITE BLUFF - NB | Hampstead to DeRenne | 5065017 | 1250 | PM | 4.3 | 35 | 0.12 | 177.4 | 132.7 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |
| | | | 5065017 | 1250 | MD | 6.2 | 35 | 0.18 | 111.7 | 89.0 | Signal | F | | |
| | | | 5065017 | 1250 | AM | 8.2 | 35 | 0.23 | 91.2 | 69.8 | Signal | F | | |
| 6 | HABERSHAM - NB | Johnston to DeRenne | 5093002 | 2430.1 | PM | 7.6 | 35 | 0.22 | 176.3 | 106.7 | Cross Street | F | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | | | 5093002 | 2430.1 | AM | 13.8 | 35 | 0.39 | 82.6 | 67.7 | Cross Street | E | | |
| 7 | WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | DeRenne to Stephenson | 5108013 | 5497.8 | PM | 14.0 | 35 | 0.40 | 159.8 | 47.3 | Signal | F | Corridor will improve with extension of Truman | Study next CMS |
| 8 | ABERCORN - SB | Veterens Pkwy to King George | 5070028 | 5532.3 | PM | 27.0 | 55 | 0.49 | 144.9 | 64.5 | Signal | F | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George approach. |
| | | | 5070028 | 5532.3 | MD | 36.5 | 55 | 0.66 | 38.2 | 22.0 | Signal | D | | |
| 9 | SH 21/I 516/DERENNE - EB | Montgomery to Bull | 5035025 | 1374.5 | PM | 6.0 | 40 | 0.15 | 140.9 | 103.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study. |
| | | | 5035025 | 1374.5 | MD | 15.2 | 40 | 0.38 | 69.4 | 48.7 | Signal | E | | |
| | | | 5035025 | 1374.5 | AM | 21.0 | 40 | 0.53 | 60.1 | 39.0 | Signal | E | | |
| 10 | OGEECHIEE/US 17 - WB | Quacco to SH 204 WB Ramp | 5012007 | 6651.9 | PM | 19.0 | 40 | 0.47 | 138.7 | 53.0 | Signal | F | Currently under construction | Study next CMS |
| 11 | SH 21/I 516/DERENNE - EB | Cross Gate to SH 25 | 5035010 | 7509.7 | AM | 29.3 | 55 | 0.53 | 138.1 | 64.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | | | 5035010 | 7509.7 | MD | 25.2 | 55 | 0.46 | 137.1 | 44.0 | Signal | F | | |
| | | | 5035010 | 7509.7 | PM | 33.0 | 55 | 0.60 | 72.3 | 43.0 | Signal | E | | |

Top 20 Segments Continued
Table E-3

| Rank | Route and Direction | Roadway Segment | Segment ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------|--------------------------|---------------------------|------------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|--|
| 12 | SH 21/I 516/DERENNE - WB | SH 25 to Cross Gate | 5036026 | 7509.7 | PM | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| 13 | ABERCORN - SB | Apache to Rio | 5070025 | 2685.1 | PM | 15.8 | 45 | 0.35 | 127.9 | 70.5 | Signal | F | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| 14 | SKIDAWAY - SB | La Roche to DeRenne | 5116007 | 3331.7 | AM | 13.3 | 35 | 0.38 | 126.9 | 85.5 | Signal | F | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | | | 5116007 | 3331.7 | PM | 19.9 | 35 | 0.57 | 50.1 | 24.3 | Signal | D | | |
| 15 | BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 3527.4 | MD | 13.6 | 35 | 0.39 | 118.2 | 92.5 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | | | 5066005 | 3527.4 | PM | 23.0 | 35 | 0.66 | 35.8 | 19.0 | Signal | D | | |
| | | | 5066005 | 3527.4 | AM | 23.0 | 32 | 0.72 | 35.5 | 22.8 | Signal | D | | |
| 16 | MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 8340.3 | PM | 20.9 | 35 | 0.60 | 113.1 | 89.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | | | 5003002 | 8340.3 | AM | 23.8 | 35 | 0.68 | 85.8 | 67.0 | Signal | F | | |
| | | | 5003002 | 8340.3 | MD | 25.8 | 35 | 0.74 | 57.7 | 69.5 | Signal | E | | |
| 17 | MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 4851.7 | MD | 18.1 | 45 | 0.40 | 111.0 | 94.5 | Signal | F | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | | | 5004002 | 4851.7 | AM | 24.1 | 45 | 0.53 | 73.7 | 37.6 | Signal | E | | |
| | | | 5004003 | 3078.1 | PM | 19.1 | 35 | 0.55 | 53.5 | 38.3 | Signal | D | | |
| 18 | ABERCORN - NB | Private Drive to DeRenne | 5069028 | 729.3 | PM | 4.4 | 40 | 0.11 | 107.0 | 81.6 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| | | | 5069028 | 729.3 | AM | 5.6 | 40 | 0.14 | 83.8 | 66.2 | Signal | F | | |
| | | | 5069028 | 729.3 | MD | 11.2 | 40 | 0.28 | 42.8 | 24.7 | Signal | D | | |
| 19 | DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5674.7 | AM | 22.9 | 45 | 0.51 | 104.9 | 93.8 | Signal | F | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | | | 5052002 | 5674.7 | MD | 27.7 | 45 | 0.62 | 72.5 | 56.7 | Signal | E | | |
| | | | 5052002 | 5674.7 | PM | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | | |
| 20 | ABERCORN - NB | Pine Grove to King George | 5069006 | 3413.4 | AM | 26.2 | 55 | 0.48 | 103.9 | 59.5 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George approach. |
| | | | 5069006 | 3413.4 | MD | 19.4 | 55 | 0.35 | 85.3 | 58.0 | Signal | F | | |
| | | | 5069006 | 3413.4 | PM | 28.2 | 55 | 0.51 | 69.3 | 40.3 | Signal | E | | |

2.0 INTRODUCTION

2.1 Study Purpose

The purpose of this study was to identify problem areas using travel time studies and to prepare recommendations to improve the traffic flow on the transportation system as a whole and on specific corridors. The results of this study are used as factors in prioritizing needed improvements.

2.2 Study Limits

The 2004 study was conducted on approximately 313 centerline miles of roadways in Chatham County. Roadways were in the County and in the following cities: Bloomingdale, Garden City, Pooler, Port Wentworth, Savannah, Thunderbolt, Tybee Island, Unincorporated Chatham County, and Vernonburg. **Figure 1** shows the study area and roadways.

The study included 59 different roadways, divided into 1,049 separate segments that ranged from 235 feet to 5 miles in length in the rural area.

3.0 TRAFFIC THEORY

3.1 Roadway Capacity

The Highway Capacity Manual 2000 defines capacity as "...the maximum hourly rate at which persons or vehicles reasonably can be expected to traverse a point or a uniform section of a lane or roadway during a given time period under prevailing roadway, traffic, and control conditions."

The capacity of a roadway, and its operational characteristics, is a function of a number of elements including: the number of lanes and lane widths, shoulder widths, roadway alignment, access, traffic signals, grades, and vehicle mix. Generally, roadways with wider travel lanes, fewer traffic control devices, straight alignments, etc. allow faster travel speeds.

3.2 Level of Service (LOS)

The Highway Capacity Manual 2000 defines level of service as "...a quality measure describing operational conditions within a traffic stream, generally in terms of such service measures as speed and travel time, freedom to maneuver, traffic interruptions, and comfort and convenience.

"Six LOS are defined for each type of facility that has analysis procedures available. Letters designate each level, from A to F, with LOS A representing the best operating conditions and LOS F the worst. Each level of service represents a range of operating conditions and the driver's perception of those conditions."



One additional measure included in the CMS is congestion index (CI). CI basically is the % of posted speed. That is, average speed for a segment compared to the posted speed of that segment. Congestion Index is explained in more detail in Section 5.1. This method allows easy comparison of the efficiency of roadways.

4.0 METHODOLOGY

4.1 Roadway Mapping

4.1.1 Global Positioning System (GPS)

The data collection process was made more efficient by collecting data electronically using GPS technology. The methodology provided the MPC with background mapping and traffic-related elements that can be integrated with the GIS system for use in future projects.

Before starting the travel time runs, all 336 centerline miles of roadway were mapped using GPS technology.

GPS is a satellite-based positional system operated by the United States Department of Defense. There are 24 operational NAVSTAR satellites orbiting the earth every twelve hours, and providing 24-hour time and position information.

A Trimble receiver was mounted to a vehicle and used in the mapping. The receiver uses Differential GPS (DGPS) to provide position information to sub-meter accuracy. These receivers were used in combination with the controlling software while driving each roadway to inventory all elements related to speed.

The software, developed by Trimble Navigation Limited, was installed on a lap top computer and used to visually collect geographic data along the corridors. Constant measurement of the number of satellites tracked and the Position Dilution of Precision (PDOP) ensured that the conditions would allow optimal accuracy during data collection. When the PDOP exceeded an acceptable threshold, a warning tone sounded and data collection was halted until the PDOP returned to an acceptable level.

Once the data was collected in the field using the Trimble receivers, GPS Pathfinder Office software was used to manage and process the collected field data.

4.1.2 Mapping Runs

The roadway mapping was done in-vehicle using the Trimble GPS equipment and software. Mapping was done in one direction for each roadway segment during off-peak periods. For each segment, an appropriate offset was input as an adjustment so that data points were collected along the approximate centerline.

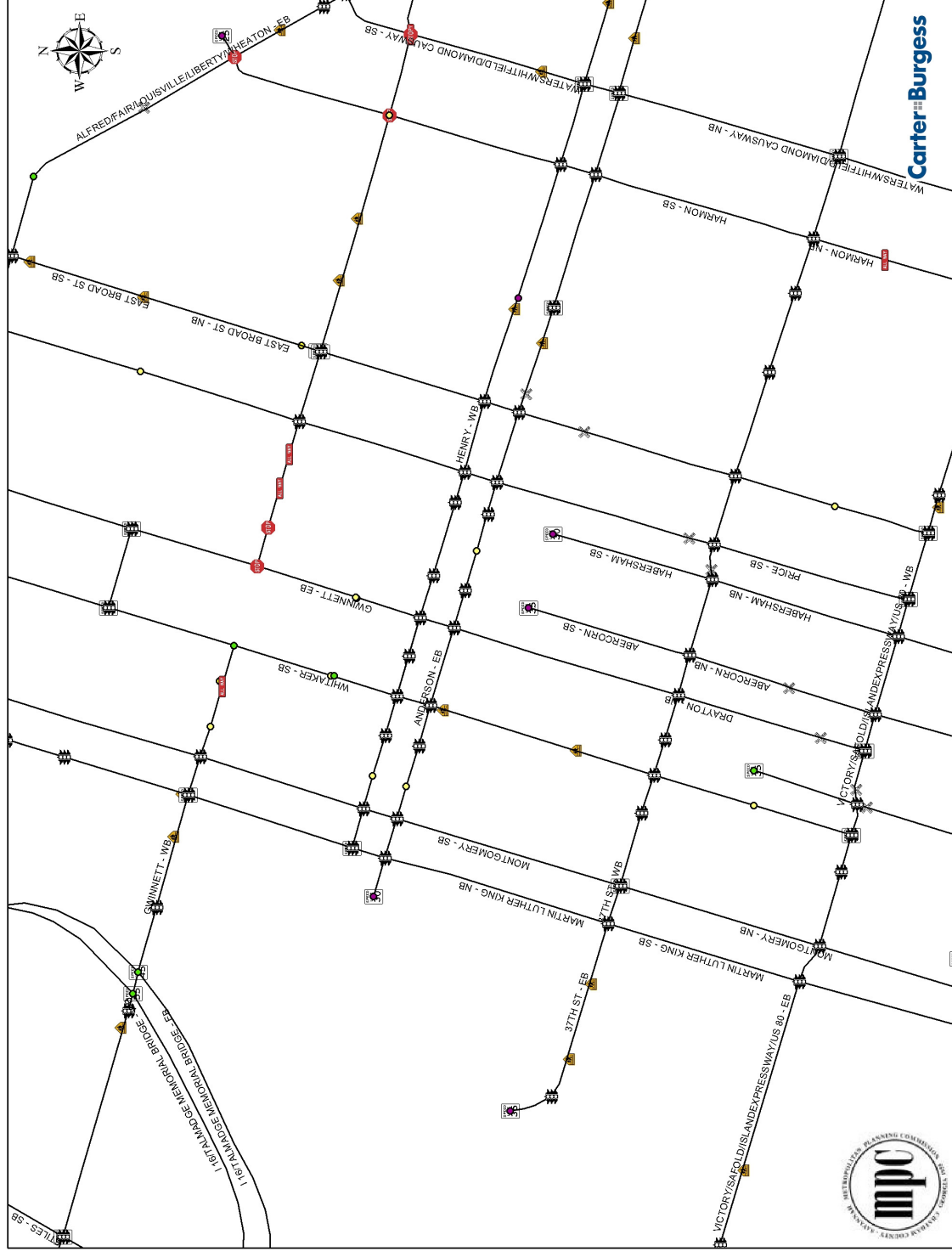
Traffic elements were recorded including observed city limit signs, speed limits, traffic signal locations, stop signs, school zones, cross streets, tight curves, major uncontrolled cross-streets, and segment begin/end points. This information would be used later to determine the segment lengths and theoretical travel times, and to provide better insight into the resulting travel time runs and improvement recommendations. An example of some of these traffic elements is shown in **Figure 2**. The location of stop signs, traffic signals, school zones, and railroad crossings can be plainly seen.

Additional elements mapped, coded, and linear referenced included number of directional lanes (**Figure 3**), functional class (**Figure 4**), speed limit (**Figure 5**), school zone (**Figure 6**), jurisdiction (**Figure 7**), construction (**Figure 8**), and ramp gores (**Figure 9**).

4.2 Travel Time Runs

Travel time runs were conducted using the floating car method. In the floating car method, the driver of the test vehicle “floats” with the traffic by attempting to safely pass as many vehicles as pass the test vehicle.

Travel time runs were conducted during the morning and afternoon peak periods on all roadway segments and during the mid-day off-peak. Three runs were made in each direction during each peak period, for a total of six runs per peak period. During those travel time runs, the GPS equipment recorded position and time at one-second intervals. The driver of the test vehicle drove the speed limit if no other cars were present and at the school zone speed limit if a school zone speed limit was in effect at the time of the travel time run.



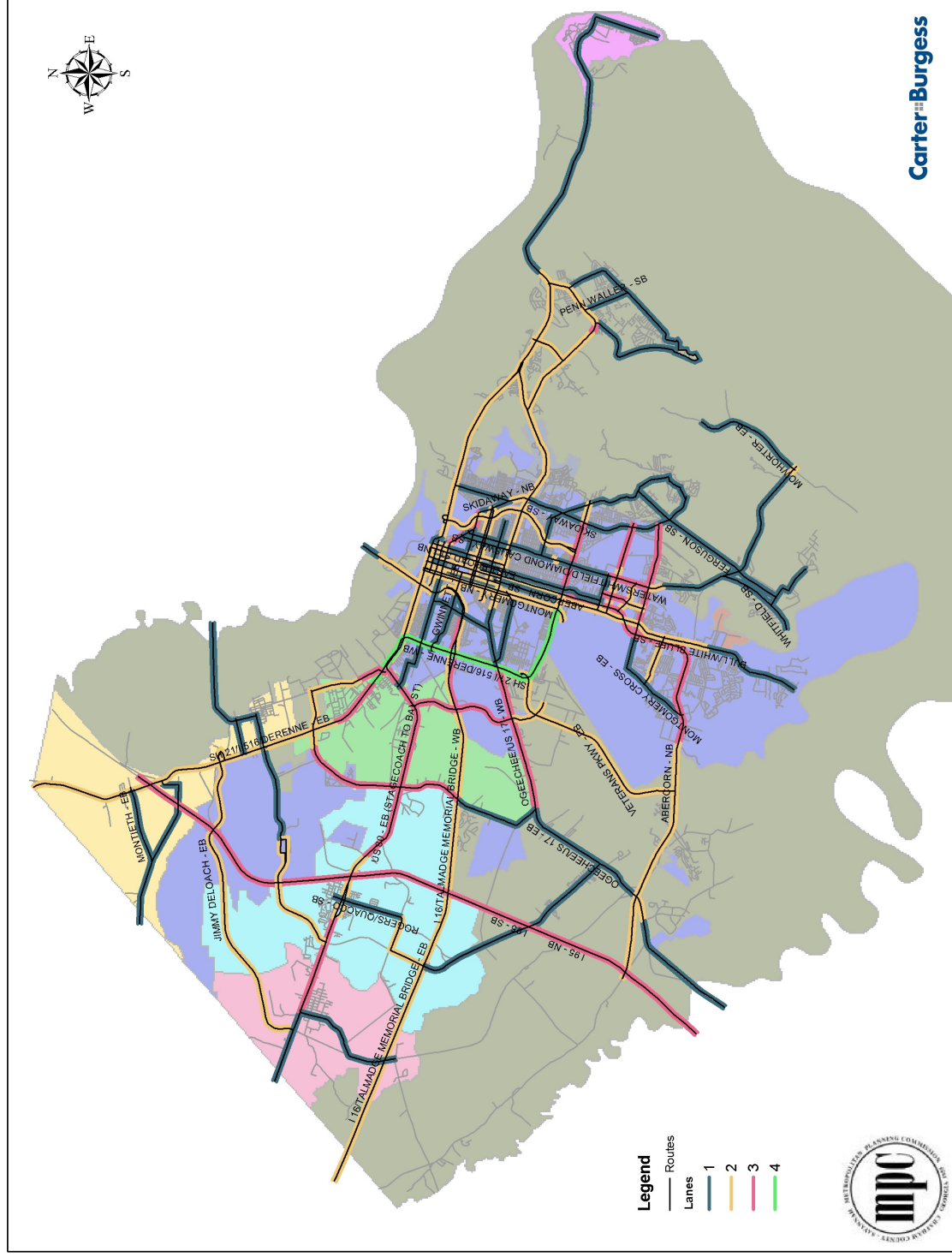
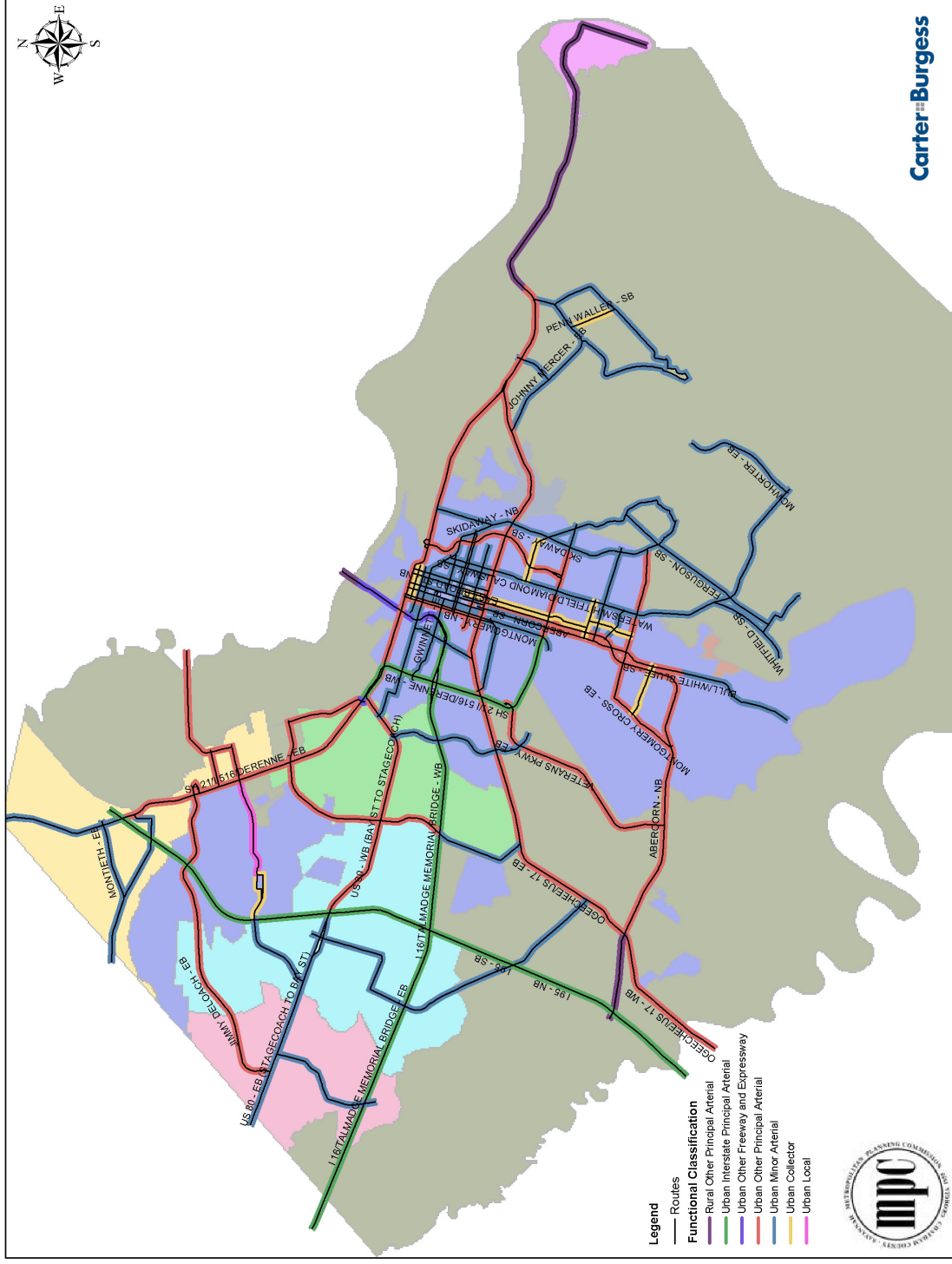


Figure 3 – Directional Lanes



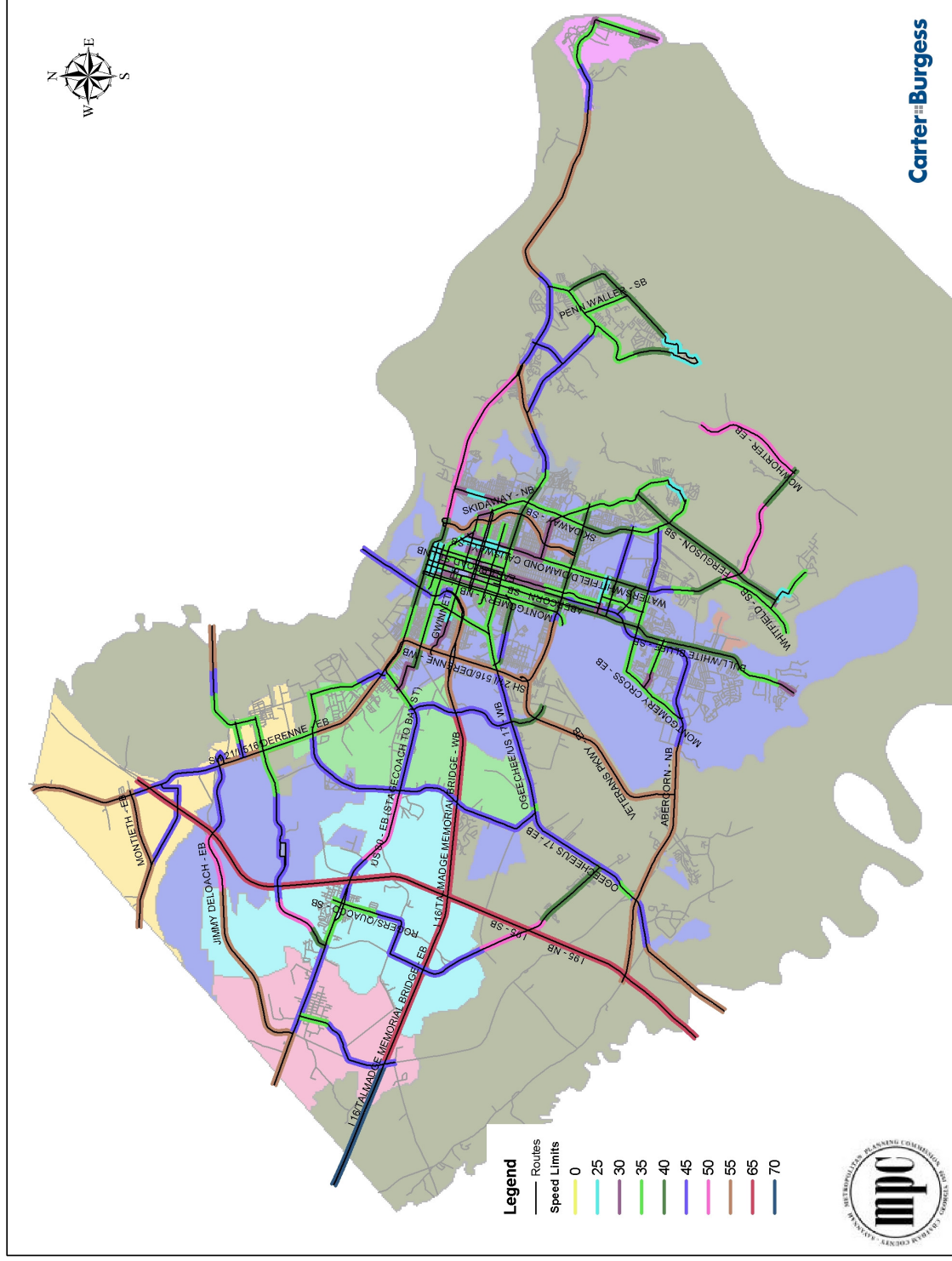


Figure 5 – Speed Limits

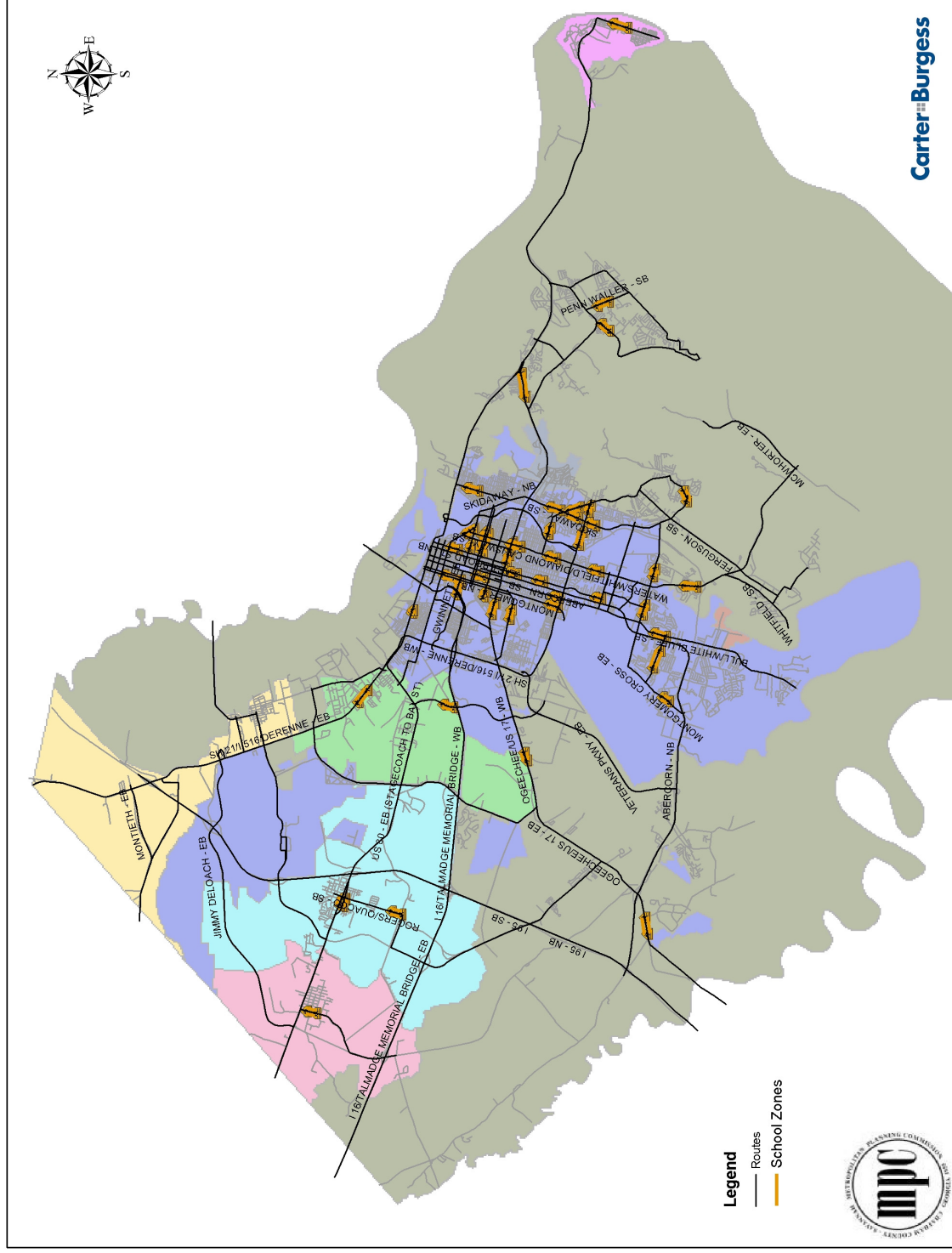


Figure 6 – School Zones

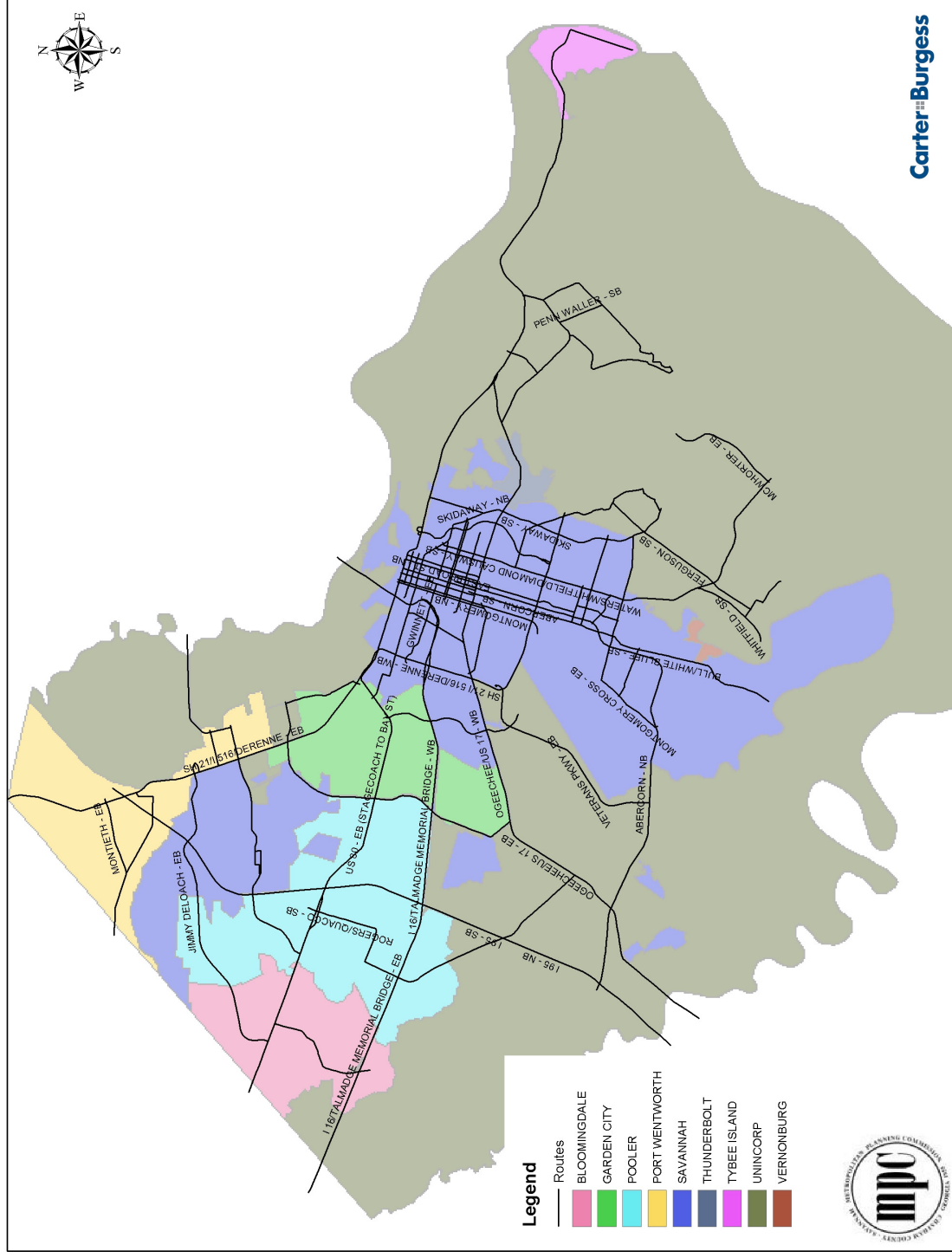


Figure 7 – Jurisdictions

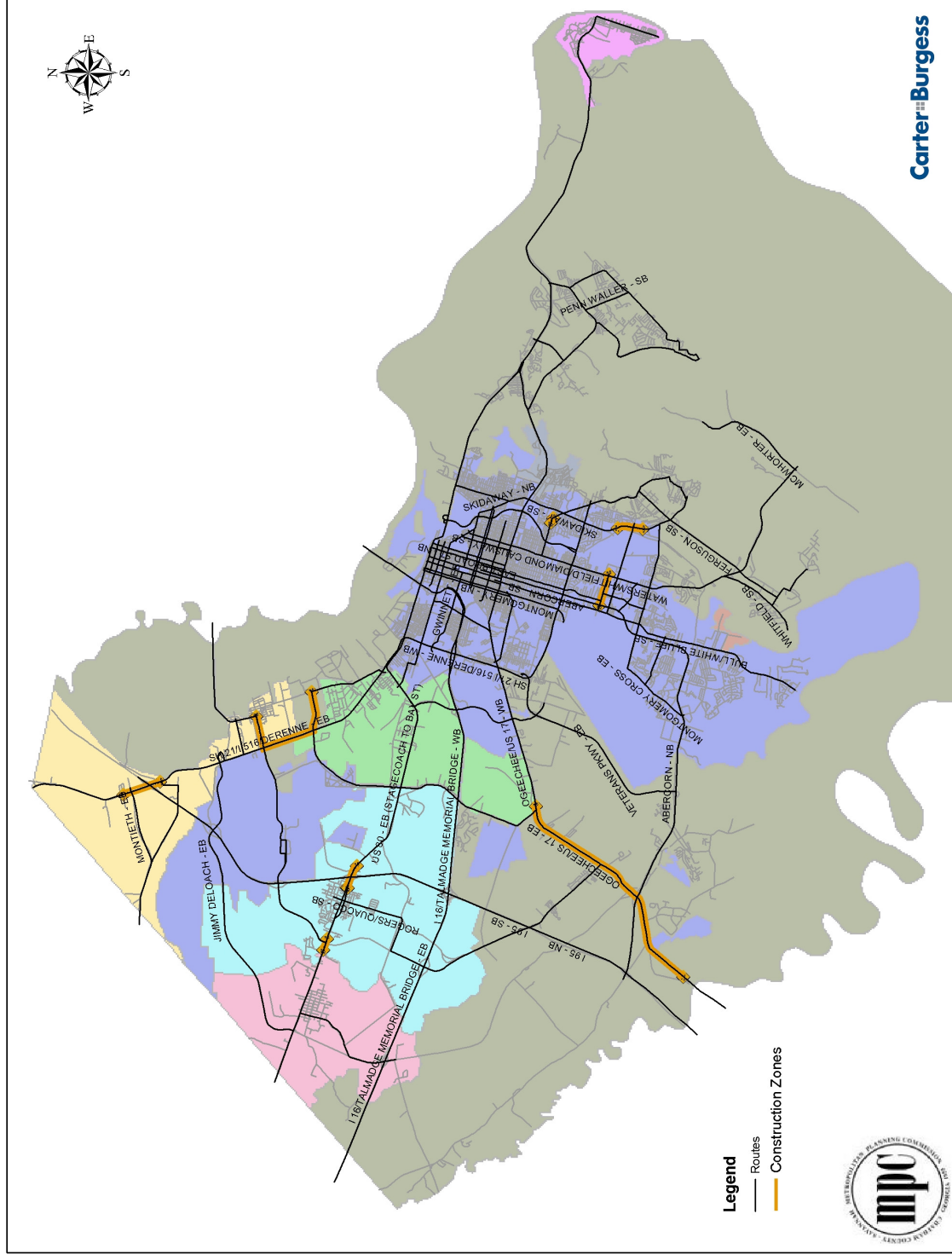


Figure 8 – Construction Zones

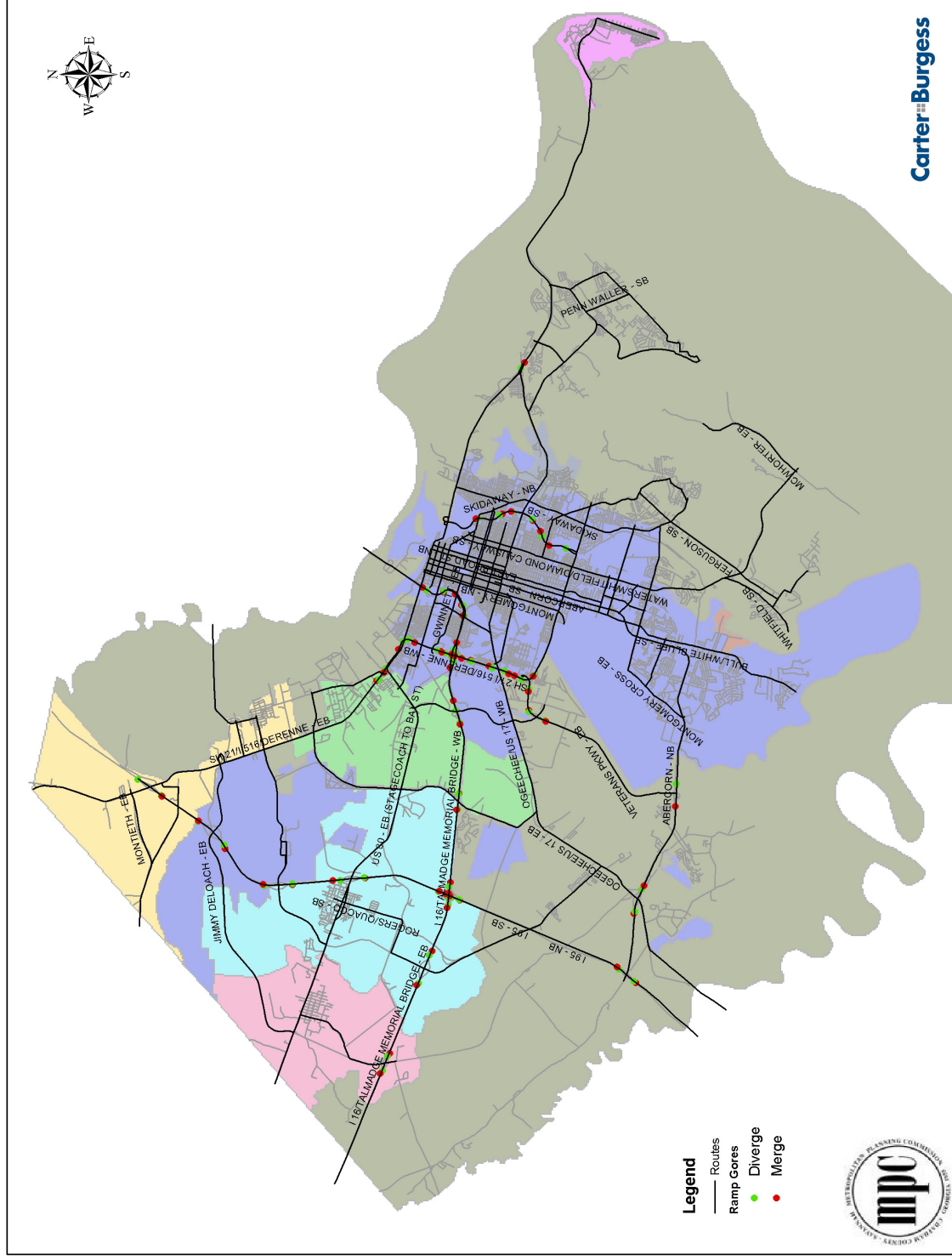


Figure 9 – Ramp Gores

4.3 Video on Travel Time Runs

The roadway segments were videotaped during selected travel time runs in order to provide a reference of operational conditions for improvement recommendations. The digital videos were later linked to the GIS results for future reference. This provides a video log of most primary roadways within Chatham County.

4.4 Problem Areas

Several problems were noted during both the mapping runs and the travel time runs. Several roadway segments were under construction with lane reductions and traffic control, which slowed traffic especially during the peak periods. These construction zones were noted and future improvement recommendations were made accordingly, accounting for current improvements under way.

5.0 ANALYSIS

5.1 Congestion Index

In addition to level of service (LOS), one performance measure introduced to the MPC and applied to the CMS is called Congestion Index (CI). CI is the ratio of the actual travel time to the theoretical travel time. Theoretical travel time is the time it would take a vehicle to traverse the segment distance at the posted speed limit without interruptions from other traffic or traffic control devices.

$CI = \text{Actual Travel Time} / \text{Theoretical Travel Time}$

CI = Congestion Index

Actual Travel Time = the recorded travel time for a given segment

Theoretical Travel Time = segment length / posted speed limit

The project oversight committee determined that a CI less than 0.70 indicates a congested section, a CI of 0.70 to 0.99 indicates a section of stable flow, and a CI greater than .99 indicates free flow conditions. **Table 1** defines the congestion index criteria.

The travel speeds on congested segments are slower than drivers typically want to drive, and there may be less opportunity for lane changing and maneuvering. Stable sections are typically accommodating volumes less than capacity. Travel speeds are somewhat slower than the speed limit, but generally acceptable to drivers. Lane changing and maneuvering is less difficult than in congested segments. Free-flow sections are operating well below capacity. Travel speeds equal or exceed the speed limit and traffic can maneuver without interference.

Table 1-Congestion Index Criteria

| Congestion Index (CI) | | |
|-----------------------|--------------|-----------|
| Congestion | Stable Flow | Free Flow |
| < 0.70 | 0.70 to 0.99 | > 0.99 |

5.2 Roadway Segment Definition

The method used in this study was to define segment endpoints at each traffic signal or stop sign so that segments could be evaluated on a detailed level, and then combine appropriate segments to make corridor recommendations. The 2004 CMS included evaluation of approximately 336 centerline miles of roadways, including 59 different roads. These roads were further divided into 1,049 directional links for detailed evaluation. These links had a signal, stop sign, or major cross street as the end points.

The methodology developed and applied specifically for this project resulted in a calculated congestion index for each 1-second GPS data point. The actual speed between successive points provides detailed results that can highlight the congested segments. The detailed 1-second CI was used to develop the appropriate recommendations for the congested segments.

5.3 Data Reduction

The method of recording roadway information and travel times using GPS resulted in large amounts of data that required manipulation into a useable format. The roadway information was reviewed and “cleaned up” to remove items that were double-counted where two roadways crossed. City limits that were not posted in the field (most were not) were added directly into the database using the most current boundary files in the MPC’s system. Each roadway was defined as a “route” in both directions and beginning and ending points were determined in order to calculate travel time for the segment. The GIS coordinate system provided by the MPC was modified to match the NAD 83 (feet) coordinate system used in the data collection. All information was organized so that data could be sorted by jurisdiction.

5.4 Presentation

The travel time information, associated LOS, and CI values were formatted into tables, graphs, and in ArcGIS.

The 1-second data points are color coded according to the criteria for free-flow, stable, and congested conditions. These 1-second points can be used to determine at what point along a segment a traveler experiences delays or congestion.

The data in the figures and tables in this report combines information for AM peak, off-peak, and PM peak travel time runs. When congestion occurs during only one time

period, the user can study the detailed information to determine the cause of the delay. This information includes the 1-second data points and the geo-referenced digital video. These videos have been linked within ArcGIS. The user can click on a section of road and see the video for that run indexed at that point. Thus, improvements can be better focused to ensure the most appropriate use of funds.

ArcGIS can be used to view the information provided in this study for reference and for future projects. Maps and figures can be made for presentations. Information such as speed limits along specific roadways, location and number of traffic signals, the location and number of stop signs, and the location and length of school zones can be summarized and viewed. The information can be summarized for the County or broken down and summarized by city, and can be used to identify future improvements. The data provided as part of this study combined with the use of ArcGIS gives the MPC a powerful tool for everyday operation as well as future planning.

6.0 EVALUATION

6.1 Approach Level of Service (LOS) and Congestion Index (CI)

Appendix A lists each roadway segments approach LOS and the average CI for the travel time runs. Considering all the time periods, of the 589 directional miles of roadways studied, 531.7 miles were LOS A-C and 57.1 miles were LOS D-F. This means that approximately 10% of the roadways studied were congested. **Table 2** summarizes the number of segments and miles operating under each respective LOS condition by time of day.

Table 2 - Summary of Study Roadways in Terms of LOS

| LOS | Time Period | Number of Miles | Percentage | Summary LOS A-C and D-F | | | Average LOS A-C and D-F | | | |
|-----|-------------|-----------------|------------|-------------------------|-----------------|------------|-------------------------|------------|--|--|
| | | | | Time Period | Number of Miles | Percentage | Number of Miles | Percentage | | |
| A | AM | 318.1 | 67.1% | AM | 542.4 | 90.3% | 531.7 | 90.3% | | |
| | MD | 338.5 | 71.1% | | | | | | | |
| | PM | 275.9 | 61.0% | | | | | | | |
| B | AM | 89.2 | 14.0% | MD | 546.0 | 90.3% | | | | |
| | MD | 88.6 | 14.1% | | | | | | | |
| | PM | 93.5 | 15.6% | | | | | | | |
| C | AM | 67.0 | 11.0% | PM | 506.6 | 83.1% | | | | |
| | MD | 46.9 | 7.5% | | | | | | | |
| | PM | 67.0 | 9.4% | | | | | | | |
| D | AM | 21.8 | 3.6% | AM | 46.4 | 9.7% | 57.1 | 9.7% | | |
| | MD | 28.1 | 3.9% | | | | | | | |
| | PM | 44.2 | 7.0% | | | | | | | |
| E | AM | 16.0 | 2.4% | MD | 42.8 | 9.7% | | | | |
| | MD | 12.8 | 1.8% | | | | | | | |
| | PM | 22.6 | 4.0% | | | | | | | |
| F | AM | 13.1 | 1.9% | PM | 82.1 | 16.9% | | | | |
| | MD | 10.3 | 1.5% | | | | | | | |
| | PM | 22.0 | 3.0% | | | | | | | |

Only the congested segments (LOS D-F) are summarized in **Tables 4 & 5**. These tables list the roadway, direction, endpoints, city, distance, weighted average speed limit, delay, LOS, weighted average congestion index, congestion level, and a recommendation for improvement.

The 20 most congested segments are summarized in **Table 6**. This table was developed by ranking segments by LOS/Delay from most delay to least delay. Starting with the highest, the segments were examined in detail to determine the cause of congestion.

In many cases, LOS fell below C due to stop signs or traffic signals, and many of the recommendations call for signal timing improvements. These situations can be clearly seen in ArcGIS. The 1-second points are green along the length of a segment and then several red 1-second points occur while stopped at a stop sign or traffic signal. An example is provided in **Figure 9**. Traffic may be traveling at good speeds until they hit a red light. Less than optimal timing or lack of signal progression are primary causes of delay in these areas.

A number of the intersections were studied more closely. For these locations, shown on **Figure 10**, the traffic was observed and counted during the AM and PM peak periods. The volumes and intersection details were entered into Synchro, which is a traffic modeling and signal optimization program. The results demonstrate the conditions that would occur in the field following optimization and implementation of the improved signal timing. The following intersections were studied with the results as shown for the overall intersection delay and the corresponding LOS:

Table 3 – Isolated Intersection Optimized with Synchro

| Intersection | AM Peak hour | | PM Peak hour | |
|-----------------------------------|--------------------------|------------------|--------------------------|------------------|
| | Intersection Delay (sec) | Intersection LOS | Intersection Delay (sec) | Intersection LOS |
| SR 21 and Dukes Dr. | 6.3 | A | 9.1 | A |
| SR 21 and Brampton | 7.9 | A | 14.6 | B |
| SR 204 (Abercorn) and King George | 28.7 | C | 146.3 | F |
| Abercorn and Wilshire | 6.2 | A | 9.7 | A |
| Abercorn and Gateway | 14.7 | B | 32.3 | C |
| White Bluff and Wilshire | 5.6 | A | 7.1 | A |
| Bay Street and East Lathrop | 11.9 | B | 12.4 | B |
| Bay Street and West Lathrop | 5.0 | A | 5.9 | A |

Additional Synchro details are provided in Appendix B for reference.

Table 4 - Summary of Congested Segments (LOS D-F) AM Peak Hour

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | 23.8 | 35 | 0.68 | 85.8 | 67.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | 14.4 | 35 | 0.41 | 57.7 | 42.8 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | White Bluff to Hodgeson Memorial | 5003004 | 5003 | 2376.4 | 23.1 | 35 | 0.66 | 36.1 | 23.3 | Signal | D | Signal Timing | Delays along Montgomery between Abercorn and Waters, Coordinate signals |
| MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 5004 | 4851.7 | 24.1 | 45 | 0.53 | 73.7 | 37.6 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | White Bluff to Abercorn | 5004005 | 5004 | 1567.6 | 14.8 | 35 | 0.42 | 52.7 | 34.8 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | 23.3 | 35 | 0.67 | 75.1 | 47.7 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| | | | | | | | | | | | | | |
| MALL BLVD - EB | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | 24.2 | 40 | 0.60 | 37.7 | 22.5 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - WB | Waters to Hodgeson Memorial | 5006002 | 5006 | 3116.5 | 24.4 | 40 | 0.61 | 37.6 | 21.3 | Signal | D | Signal Operations, NB right turn | NB right turn may free up time for Mall Blvd traffic along with optimized timing |
| | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | 9.6 | 40 | 0.24 | 76.1 | 57.5 | Signal | E | Excessive delays back through Mall Way | Consider change in lane use for shared dual left, study addition of NB right turn |
| | | | | | | | | | | | | | |
| EISENHOWER - WB | Seawright to Waters | 5008004 | 5008 | 1520.6 | 15.6 | 45 | 0.35 | 48.0 | 28.7 | Signal | D | Delays throughout the corridor to Truman | Coordinate timing throughout corridor |
| | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | 5.2 | 40 | 0.13 | 99.9 | 79.0 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| | | | | | | | | | | | | | |
| 52ND ST/MILLS - WB | Liberty to Victory | 5010004 | 5010 | 1108 | 12.7 | 40 | 0.32 | 43.2 | 20.3 | Signal | D | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| | | | | | | | | | | | | | |
| OGEECHEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | 25.6 | 45 | 0.57 | 37.4 | 15.8 | Signal | D | Currently under construction | Study next CMS |
| | | | | | | | | | | | | | |
| 37TH ST - EB | Waters to Bee Rd | 5013015 | 5013 | 2817.4 | 20.4 | 35 | 0.58 | 44.5 | 19.5 | Signal | D | Secondary street on fringe of urban core | This is the end of route with a Stop sign, delays acceptable on fringe in this case |
| | | | | | | | | | | | | | |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | West Boundary to MLK | 5021009 | 5021 | 1483.5 | 15.3 | 35 | 0.44 | 45.9 | 31.0 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | 13.9 | 35 | 0.40 | 39.9 | 22.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | 13.5 | 35 | 0.39 | 26.2 | 13.8 | Cross Street | E | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | 8.5 | 25 | 0.34 | 38.1 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | Montgomery to MLK | 5024008 | 5024 | 363 | 3.2 | 25 | 0.13 | 69.7 | 56.3 | Signal | E | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| | MLK to Fahm | 5024009 | 5024 | 954 | 12.0 | 35 | 0.34 | 38.0 | 23.3 | Signal | D | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| US 80 - WB (BAY ST TO STAGECOACH) | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | 23.6 | 45 | 0.52 | 45.6 | 31.7 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| JIMMY DELOACH - EB | US 80 to Prescott | 5029001 | 5029 | 6215.1 | 45.4 | 55 | 0.83 | 36.0 | 0.0 | TWSC | E | No delays observed, just slow start-ups from US 80 | No improvements necessary |
| SH 21/I 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | 28.1 | 55 | 0.51 | 70.8 | 31.8 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | 29.3 | 55 | 0.53 | 138.1 | 64.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | Liberty to Montgomery | 5035024 | 5035 | 8966.9 | 18.8 | 54 | 0.35 | 218.0 | 114.0 | Cross Street | E | End of Freeway Section, Delays expected | Excessive demand from freeway, delays unavoidable, Consider in E-W Study |
| | Montgomery to Bull | 5035025 | 5035 | 1374.5 | 21.0 | 40 | 0.53 | 60.1 | 39.0 | Signal | E | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Bull to Abercorn | 5035026 | 5035 | 869.4 | 5.5 | 40 | 0.14 | 98.6 | 72.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Paulsen to Waters | 5035030 | 5035 | 1059 | 22.6 | 40 | 0.57 | 50.1 | 39.5 | Signal | D | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 17.8 | 32 | 0.56 | 65.7 | 45.4 | Signal | E | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| BAY ST/GEN MC INTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 10.3 | 35 | 0.29 | 26.0 | 15.7 | Cross Street | E | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| | Main St to Burnsed | 5042026 | 5042 | 799.2 | 13.6 | 35 | 0.39 | 42.5 | 31.8 | Signal | D | Closely spaced signals and RR crossing | Coordinate signals between Burnsed and Market |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 26.6 | 39 | 0.68 | 73.4 | 66.0 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|---------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|---|
| DEAN FOREST/BOURNE - NB | Southridge to I-16 EB Ramp | 5051002 | 5051 | 1530.4 | 23.2 | 45 | 0.52 | 31.6 | 21.7 | Cross Street | D | High truck volumes | Priority IA - Widen from 2-4 between US 17 and I-16 - Consider Single Point Urban Interchange (SPUI) |
| | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 18.9 | 45 | 0.42 | 120.0 | 84.3 | Cross Street | E | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 22.9 | 45 | 0.51 | 104.9 | 93.8 | Signal | F | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | 16.9 | 35 | 0.48 | 41.1 | 21.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | 10.2 | 35 | 0.29 | 49.9 | 35.9 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | 37th St to Victory | 5060011 | 5060 | 1760.9 | 17.1 | 35 | 0.49 | 36.4 | 25.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MONTGOMERY - NB | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | 5.9 | 30 | 0.20 | 31.8 | 20.6 | Cross Street | F | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | 17.3 | 35 | 0.49 | 58.6 | 43.4 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| WHITAKER - SB | West Park to Henry | 5064007 | 5064 | 607 | 10.3 | 35 | 0.29 | 25.8 | 16.7 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Anderson to 37th St | 5064009 | 5064 | 2059.4 | 17.4 | 35 | 0.50 | 47.1 | 32.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 43th St to Victory | 5064011 | 5064 | 898.6 | 15.5 | 35 | 0.44 | 26.5 | 14.7 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BULL/WHITE BLUFF - NB | Television Circle to Montgomery Cross | 5065010 | 5065 | 3378 | 18.5 | 40 | 0.46 | 71.5 | 45.2 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | 7.1 | 40 | 0.18 | 69.9 | 48.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| | Hampstead to DeRenne | 5065017 | 5065 | 1250 | 8.2 | 35 | 0.23 | 91.2 | 69.8 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BULL/WHITE BLUFF - SB | 40th St to Victory | 5066001 | 5066 | 950 | 9.8 | 35 | 0.28 | 45.7 | 28.5 | Cross Street | F | Excessive delay at Victory and over to Montgomery | Update and coordinate signal timing on Victory from MLK to the east |
| | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | 23.0 | 32 | 0.72 | 35.5 | 22.8 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | 26.2 | 40 | 0.66 | 44.8 | 33.5 | Signal | D | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | 14.0 | 40 | 0.35 | 50.8 | 34.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | 17.6 | 55 | 0.32 | 25.9 | 17.0 | Cross Street | E | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| | Pine Grove to King George | 5069006 | 5069 | 3413.4 | 26.2 | 55 | 0.48 | 103.9 | 59.5 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| | Rio to Apache | 5069010 | 5069 | 2685.1 | 29.3 | 45 | 0.65 | 35.9 | 21.0 | Signal | D | Excessive delays at Apache | Priority IB - Operational, Priority IC - Widen from Rio to Truman, Coordinate between Rio and King George |
| | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | 27.3 | 45 | 0.61 | 37.1 | 28.8 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | 5.6 | 40 | 0.14 | 83.8 | 66.2 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| | Washington to Victory | 5069032 | 5069 | 1167.4 | 12.9 | 35 | 0.37 | 38.5 | 23.2 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | 14.7 | 35 | 0.42 | 64.1 | 41.8 | Signal | E | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | 19.5 | 40 | 0.49 | 50.3 | 32.3 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | 20.7 | 45 | 0.46 | 35.1 | 23.3 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| STILES - SB | Cloverdale to US 17 | 5074004 | 5074 | 3194.9 | 21.4 | 35 | 0.61 | 50.5 | 44.5 | Signal | D | Delay for left turning vehicles | GDOT will be installing a signal for SB left turns |
| SH 25 (CROSSGATE/BOURNE) - NB | SH 21 Spur to Port Authority | 5079004 | 5079 | 2073.9 | 26.3 | 35 | 0.75 | 80.8 | 58.0 | Signal | F | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | 28.8 | 45 | 0.64 | 41.7 | 25.2 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| WALTHOUR/WILLMINGTON ISLAND- SB | Wilmington Island to Johnny Mercer | 5086007 | 5086 | 1219.7 | 16.7 | 35 | 0.48 | 38.8 | 25.7 | Cross Street | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| BRYAN WOODS - EB | Johnny Mercer to US 80 | 5087001 | 5087 | 4918.8 | 28.5 | 45 | 0.63 | 46.0 | 32.0 | Signal | D | Minor Approach at Island Expressway | Cross Street delays expected |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | 10.5 | 35 | 0.30 | 66.8 | 43.0 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| | Mall Way to Montgomery Cross | 5090004 | 5090 | 2054.7 | 24.4 | 35 | 0.70 | 42.4 | 36.0 | Signal | D | Signal Operations, good capacity for all mvmts | Optimize signal timing at Montgomery |
| STEPHENSON - WB | Habersham to Abercorn | 5092004 | 5092 | 702.3 | 5.4 | 30 | 0.18 | 99.6 | 78.0 | Signal | F | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | 9.5 | 30 | 0.32 | 49.5 | 37.3 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | 13.8 | 35 | 0.39 | 82.6 | 67.7 | Cross Street | E | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | 16.3 | 35 | 0.46 | 66.4 | 43.3 | Signal | E | Minor Approach at SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | 17.5 | 35 | 0.50 | 66.7 | 44.3 | Cross Street | D | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | 28.2 | 40 | 0.71 | 46.4 | 35.3 | Signal | D | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | 20.9 | 41 | 0.51 | 78.8 | 48.3 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| HARMON - SB | Gwinnett to Henry | 5106003 | 5106 | 1564.1 | 14.1 | 25 | 0.57 | 38.3 | 38.0 | TWSC | E | Urban Core | Cross Street delays expected with priority given to east-west |
| | Henry to Anderson | 5106004 | 5106 | 321.2 | 4.8 | 25 | 0.19 | 37.6 | 30.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|------------|-----|---|---|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Green Island to Landings/Village | 5107002 | 5107 | 1197.7 | 14.2 | 40 | 0.35 | 45.6 | 28.0 | AWSC | E | Delays at Landings/Village | Priority IC - Widen 2-4 from Ferguson to McWhorter |
| | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | 18.4 | 45 | 0.41 | 54.1 | 36.0 | City Limit | E | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | 18.7 | 35 | 0.53 | 109.4 | 49.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| | 63rd St to Columbus | 5107017 | 5107 | 1490.8 | 13.2 | 35 | 0.38 | 47.5 | 35.0 | Signal | D | Short Distance between Columbus and LaRoche | Coordinate signals between Columbus and LaRoche |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 37th St to Victory | 5108005 | 5108 | 1705.4 | 12.8 | 29 | 0.44 | 66.7 | 41.0 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | 15.0 | 35 | 0.43 | 58.8 | 41.3 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | 26.2 | 40 | 0.65 | 56.7 | 26.8 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | 19.9 | 35 | 0.57 | 67.3 | 44.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Colorado to Victory | 5115010 | 5115 | 953.4 | 15.7 | 35 | 0.45 | 39.6 | 25.3 | Signal | D | Delay at Victory, sufficient capacity for all mvmmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - SB | Henry/Anderson to 36th St | 5116002 | 5116 | 2853.5 | 20.4 | 35 | 0.58 | 42.9 | 16.0 | Signal | D | Short Distance between Penn and 36th St | Coordinate signals between Penn and 36th St |
| | 36th St to Victory | 5116003 | 5116 | 2607.6 | 13.6 | 35 | 0.39 | 83.8 | 59.3 | Signal | F | Delay at Victory, sufficient capacity for all mvmmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | 13.3 | 35 | 0.38 | 126.9 | 85.5 | Signal | F | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | 27.5 | 40 | 0.69 | 47.3 | 25.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | 23.5 | 30 | 0.79 | 34.8 | 28.3 | AWSC | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| | Abercorn to White Bluff | 5121003 | 5121 | 704.2 | 7.6 | 35 | 0.22 | 51.5 | 38.5 | Signal | D | Minor Approach at Bill White | Cross street delays expected |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | 7.4 | 35 | 0.21 | 77.8 | 61.0 | Signal | E | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | 21.5 | 30 | 0.72 | 46.9 | 35.3 | Signal | D | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening, Optimize signal timing |

AM Congested Segments Cont.
Table 4

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|---|
| VICTORY/SAFOLD/ ISLANDEXPRESSWAY/US 80 - EB | Johnny Mercer to White Marsh | 5129027 | 5129 | 3924.1 | 29.4 | 55 | 0.53 | 49.8 | 29.0 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| VICTORY/SAFOLD/ ISLANDEXPRESSWAY/US 80 - WB | White Marsh to Johnny Mercer | 5130013 | 5130 | 3924.1 | 36.7 | 55 | 0.67 | 36.5 | 14.7 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| | Thunderbolt City Limit to Commercial Driveway | 5130019 | 5130 | 2207.9 | 18.7 | 40 | 0.47 | 42.8 | 19.0 | Cross Street | D | Delay at Victory, sufficient capacity for all mvmt | Coordinate signal with Skidaway |
| | Commercial Driveway to Skidaway | 5130020 | 5130 | 542.1 | 5.4 | 40 | 0.13 | 61.3 | 42.7 | Signal | E | Delay at Skidaway, sufficient capacity | Dedicated right turn bay both sides, coordinating Victory timing will improve int ops |
| | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | 21.5 | 35 | 0.61 | 53.9 | 35.0 | Signal | D | Delays at intersection with Ogeechee | Study intersection for possible signalization |

Table 5 - Summary of Congested Segments (LOS D-F)-PM Peak Hour

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | 20.9 | 35 | 0.60 | 113.1 | 89.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | 11.8 | 35 | 0.34 | 58.6 | 41.7 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Sallie Mood to Skidaway | 5003007 | 5003 | 4487.2 | 24.6 | 45 | 0.55 | 58.0 | 27.3 | Signal | E | T intersection limits capacity | Intersection capacity if limited due to the T configuration, optimize signal operations |
| MONTGOMERY CROSS - WB | Waters to Hodgeson Memorial | 5004003 | 5004 | 3078.1 | 19.1 | 35 | 0.55 | 53.5 | 38.3 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Hodgeson Memorial to White Bluff | 5004004 | 5004 | 2376.4 | 17.5 | 35 | 0.50 | 46.1 | 32.7 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | Abercorn to Tibet Ave | 5004006 | 5004 | 8340.3 | 28.6 | 35 | 0.82 | 37.6 | 7.0 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | 25.3 | 35 | 0.72 | 60.8 | 14.8 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| MALL BLVD - EB | Mall Way to Hodgeson Memorial | 5005003 | 5005 | 871.9 | 10.1 | 40 | 0.25 | 48.6 | 30.7 | Signal | D | High Volume of Right turning Mall vehicles | Geometrics - Add right turn bay for existing channelized movement |
| | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | 24.4 | 40 | 0.61 | 35.7 | 16.7 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | 5.0 | 40 | 0.12 | 179.2 | 138.0 | Signal | F | Planned Intersection TIP | Consider change in lane use for shared dual left, study addition of NB right turn |
| EISENHOWER - EB | White Bluff to Abercorn | 5007001 | 5007 | 874.6 | 5.9 | 40 | 0.15 | 84.2 | 60.8 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| | Abercorn to Hodgeson Memorial | 5007002 | 5007 | 1679.8 | 10.5 | 40 | 0.26 | 84.5 | 57.0 | Signal | F | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| | Sallie Mood to Skidaway | 5007006 | 5007 | 4273.3 | 25.8 | 45 | 0.57 | 58.4 | 35.0 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| EISENHOWER - WB | Hodgeson Memorial to Abercorn | 5008006 | 5008 | 1679.8 | 14.1 | 40 | 0.35 | 60.8 | 38.0 | Signal | E | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | 7.6 | 40 | 0.19 | 73.5 | 55.4 | Signal | E | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| 52ND ST/MILLS - WB | Hopkins to Liberty | 5010003 | 5010 | 6113.7 | 30.9 | 43 | 0.72 | 43.6 | 14.8 | Signal | D | Delays between Hopkins and Victory - 1 lane approach and short distance between Liberty and Victory | Signal Operations - Coordination between Hopkins and Victory |
| | Liberty to Victory | 5010004 | 5010 | 1108 | 8.6 | 40 | 0.22 | 68.1 | 42.8 | Signal | E | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| OGEECHEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | 22.8 | 45 | 0.51 | 51.9 | 29.4 | Signal | D | Currently under construction | Study next CMS |
| OGEECHEE/US 17 - WB | Gamble to Chatham Pkwy | 5012003 | 5012 | 4079.5 | 26.2 | 45 | 0.58 | 54.7 | 39.8 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | Garden City City Limit to Quacco | 5012006 | 5012 | 12561.7 | 20.0 | 45 | 0.44 | 324.8 | 85.5 | Cross Street | E | Currently under construction | Study next CMS |
| | Quacco to SH 204 WB Ramp | 5012007 | 5012 | 6651.9 | 19.0 | 40 | 0.47 | 138.7 | 53.0 | Signal | F | Currently under construction | Study next CMS |
| | SH 204 EB Ramp to Chevis | 5012009 | 5012 | 3154.4 | 20.4 | 45 | 0.45 | 75.1 | 21.0 | Signal | E | Currently under construction | Study next CMS |
| GWINNETT - EB | May to MLK | 5019006 | 5019 | 1029.5 | 15.3 | 35 | 0.44 | 35.2 | 23.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Jefferson to Barnard | 5019009 | 5019 | 367.8 | 12.6 | 25 | 0.50 | 11.6 | 5.5 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Waters to Wheaton | 5019021 | 5019 | 773.1 | 11.2 | 30 | 0.37 | 30.7 | 17.7 | TWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| GWINNETT - WB | Jefferson to Montgomery | 5020014 | 5020 | 283.5 | 11.9 | 25 | 0.48 | 13.8 | 10.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Lathrop to Stiles | 5021006 | 5021 | 603.2 | 9.2 | 35 | 0.26 | 35.8 | 24.0 | Signal | D | Short distance between East Lathrop and Stiles | Signal Operations - Coordinate signals between East Lathrop and Stiles |
| | I-16 to West Boundary | 5021008 | 5021 | 1096.5 | 17.3 | 35 | 0.49 | 27.3 | 12.3 | Cross Street | D | Freq right turns | Construct right turn bay to remove turning traffic from 1 lane approach |
| | West Boundary to MLK | 5021009 | 5021 | 1483.5 | 13.5 | 35 | 0.39 | 53.4 | 38.5 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| | MLK to Montgomery | 5021010 | 5021 | 344.3 | 15.4 | 35 | 0.44 | 35.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | 12.8 | 35 | 0.37 | 52.0 | 33.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Habersham to Price | 5021015 | 5021 | 304 | 5.0 | 35 | 0.14 | 41.3 | 24.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | 15.8 | 35 | 0.45 | 33.4 | 21.3 | Cross Street | D | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | 6.1 | 25 | 0.25 | 68.4 | 52.8 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | Whitaker to Montgomery | 5024007 | 5024 | 1041.8 | 11.0 | 25 | 0.44 | 35.9 | 24.8 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| US 80 - WB (BAY ST TO STAGECOACH) | Heidt to SH 307 - Bourne | 5028003 | 5028 | 11979.2 | 37.5 | 45 | 0.83 | 38.7 | 33.0 | Signal | D | Excessive delay at Dean Forest Rd | All the delay occurs at the intersection and it appears this could be minimized through signal optimization |
| | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | 26.4 | 45 | 0.59 | 38.4 | 16.8 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| | Parsons to Rogers | 5028007 | 5028 | 2662 | 22.2 | 45 | 0.49 | 44.6 | 18.0 | Signal | D | Poor signal coordination between I-95 and Rogers | Coordinate signals between I-95 and Rogers |
| | Jimmy Deloach to Effingham County | 5028012 | 5028 | 7829.1 | 39.8 | 55 | 0.72 | 38.6 | 0.0 | TWSC | E | Minor Delays in the PM Period | Priority I - Widen from 2-5 lanes from County Line to Cherry |
| SH 21/I 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | 18.1 | 55 | 0.33 | 84.4 | 57.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | 33.0 | 55 | 0.60 | 72.3 | 43.0 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| | Smith to Brampton | 5035012 | 5035 | 6510.3 | 35.6 | 55 | 0.65 | 43.8 | 24.5 | Signal | D | PM Delays for EB | Long Range Plan calls for Widening SH 21, Consider continuous EB intersection operations |
| | Montgomery to Bull | 5035025 | 5035 | 1374.5 | 6.0 | 40 | 0.15 | 140.9 | 103.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Abercorn to Habersham | 5035027 | 5035 | 733.1 | 4.7 | 40 | 0.12 | 94.0 | 74.5 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Paulsen to Waters | 5035030 | 5035 | 1059 | 8.2 | 40 | 0.20 | 91.5 | 70.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| | Skidaway to La Roche | 5035034 | 5035 | 2702.5 | 23.6 | 40 | 0.59 | 36.4 | 15.3 | Signal | D | Sufficient Capacity for turning movements | Consider widening to match section to West |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 19.2 | 40 | 0.48 | 53.6 | 31.7 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | 14.0 | 40 | 0.35 | 68.7 | 50.7 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull, Consider in E-W Study |
| | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | 10.8 | 40 | 0.27 | 75.7 | 44.0 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull |
| | Smith to SH 25 | 5036025 | 5036 | 3445.5 | 22.8 | 55 | 0.41 | 77.7 | 34.4 | Signal | E | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy PM volumes with Truck traffic - construct storage for trucks |
| | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| | | | | | | | | | | | | | |
| BAY ST/GEN MCINTOSH /PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | 17.8 | 40 | 0.44 | 42.1 | 17.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BAY ST/GEN MCINTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 15.9 | 35 | 0.45 | 20.2 | 13.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| | | | | | | | | | | | | | |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 23.5 | 39 | 0.60 | 102.0 | 79.8 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| | | | | | | | | | | | | | |
| DEAN FOREST/ BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 26.1 | 45 | 0.58 | 67.7 | 36.0 | Cross Street | D | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | 13.1 | 45 | 0.29 | 66.7 | 49.3 | Flashing Yellow | F | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| | | | | | | | | | | | | | |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | 31.8 | 45 | 0.71 | 36.6 | 17.0 | Signal | D | Lone signal after long distance uncontrolled leads to random arrivals | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | 33.5 | 45 | 0.74 | 54.7 | 41.7 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|---|
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | 19.2 | 40 | 0.48 | 53.6 | 31.7 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | 14.0 | 40 | 0.35 | 68.7 | 50.7 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull, Consider in E-W Study |
| | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | 10.8 | 40 | 0.27 | 75.7 | 44.0 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull |
| | Smith to SH 25 | 5036025 | 5036 | 3445.5 | 22.8 | 55 | 0.41 | 77.7 | 34.4 | Signal | E | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy PM volumes with Truck traffic - construct storage for trucks |
| | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| BAY ST/GEN MCINTOSH /PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | 17.8 | 40 | 0.44 | 42.1 | 17.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BAY ST/GEN MCINTOSH/ PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | 15.9 | 35 | 0.45 | 20.2 | 13.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | 23.5 | 39 | 0.60 | 102.0 | 79.8 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| DEAN FOREST/ BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | 26.1 | 45 | 0.58 | 67.7 | 36.0 | Cross Street | D | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | 13.1 | 45 | 0.29 | 66.7 | 49.3 | Flashing Yellow | F | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | 31.8 | 45 | 0.71 | 36.6 | 17.0 | Signal | D | Lone signal after long distance uncontrolled leads to random arrivals | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | 33.5 | 45 | 0.74 | 54.7 | 41.7 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | 15.4 | 35 | 0.44 | 45.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | 37th St to Anderson | 5059003 | 5059 | 2045.8 | 17.5 | 35 | 0.50 | 42.8 | 30.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | Broughton to Bay St | 5059011 | 5059 | 771.2 | 10.0 | 35 | 0.29 | 46.8 | 30.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|--|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|--|
| MARTIN LUTHER KING - SB | Broughton to Oglethorpe | 5060003 | 5060 | 714.8 | 12.5 | 35 | 0.36 | 39.9 | 24.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | 10.3 | 35 | 0.29 | 47.1 | 31.6 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MONTGOMERY - NB | Victory to 37th St | 5061007 | 5061 | 1832.1 | 16.0 | 35 | 0.46 | 49.4 | 25.9 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Oglethorpe to Broughton | 5061014 | 5061 | 804.2 | 11.9 | 30 | 0.40 | 40.5 | 23.2 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | 9.4 | 30 | 0.31 | 25.3 | 14.8 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 37th St to Victory | 5062005 | 5062 | 1832.1 | 17.8 | 35 | 0.51 | 36.7 | 15.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | 11.3 | 35 | 0.32 | 73.0 | 53.3 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| | Franklin SQ N to Franklin SQ S | 5062015 | 5062 | 317.3 | 11.9 | 30 | 0.40 | 12.8 | 0.6 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Bay St to Broughton | 5064001 | 5064 | 852.7 | 9.6 | 25 | 0.38 | 62.5 | 42.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Broughton to Oglethorpe | 5064002 | 5064 | 809.9 | 15.5 | 25 | 0.62 | 39.9 | 20.6 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | West Park to Henry | 5064007 | 5064 | 607 | 17.3 | 35 | 0.49 | 19.0 | 9.6 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 43th St to Victory | 5064011 | 5064 | 898.6 | 13.3 | 35 | 0.38 | 45.7 | 28.5 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BULL/WHITE BLUFF - NB | Willow to Windsor | 5065004 | 5065 | 901.8 | 20.5 | 40 | 0.51 | 18.5 | 8.3 | Flashing Yellow | D | Signal Operations inefficient due to offset geometry | Improvements limited due to geometry, optimize signal timing and consider realignment for eastern approach |
| | Montgomery Cross to Mall Driveway | 5065011 | 5065 | 1406 | 22.5 | 40 | 0.56 | 36.1 | 24.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | 11.1 | 40 | 0.28 | 75.0 | 58.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| | Stephenson Ave / Hunter Airfield to Johnston | 5065015 | 5065 | 3200 | 23.4 | 40 | 0.58 | 91.9 | 40.7 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations, Left turn signal control |
| | Johnston to Hampstead | 5065016 | 5065 | 1051.8 | 9.8 | 40 | 0.25 | 103.7 | 62.3 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Hampstead to DeRenne | 5065017 | 5065 | 1250 | 4.3 | 35 | 0.12 | 177.4 | 132.7 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|---------------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | 23.0 | 35 | 0.66 | 35.8 | 19.0 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | 9.2 | 40 | 0.23 | 179.3 | 129.3 | Signal | F | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | 11.0 | 40 | 0.27 | 71.4 | 44.6 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| DRAYTON - NB | Victory to 37th St | 5067001 | 5067 | 1712.5 | 17.4 | 35 | 0.50 | 39.3 | 19.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | 8.2 | 55 | 0.15 | 27.7 | 16.7 | Cross Street | F | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| | Pine Grove to King George | 5069006 | 5069 | 3413.4 | 28.2 | 55 | 0.51 | 69.3 | 40.3 | Signal | E | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| | City Limit to Rio | 5069009 | 5069 | 1579.9 | 26.3 | 55 | 0.48 | 26.9 | 2.7 | City Limit | D | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| | Apache to Science | 5069011 | 5069 | 1401.1 | 20.1 | 45 | 0.45 | 42.4 | 29.0 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman, Coordinate between Rio and King George |
| | Mercy to Largo | 5069013 | 5069 | 1390.8 | 11.8 | 45 | 0.26 | 57.6 | 38.3 | Signal | E | Intersection Delays at Largo | Priority IB - Operational, Priority IC - Widen 4-6 from Rio to Truman |
| | Television Circle to Montgomery Cross | 5069018 | 5069 | 2959.3 | 23.9 | 45 | 0.53 | 48.0 | 29.3 | Signal | D | Oversaturated Intersection | Consider NB and SB right turn lanes and optimize signal, Truman ext may relieve some volume |
| | Mall Driveway to White Bluff | 5069020 | 5069 | 1234.6 | 7.3 | 45 | 0.16 | 93.9 | 71.3 | Signal | F | short distance between Mall and White Bluff | Coordinate signals between Mall driveway and White Bluff, review turning movements |
| | White Bluff to Mall Blvd | 5069021 | 5069 | 1536.8 | 9.3 | 45 | 0.21 | 87.2 | 61.5 | Signal | F | Excessive Intersection Delays | Priority IB - Operational, NB right turn lane planned, will free up some time for others |
| | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | 22.5 | 45 | 0.50 | 65.4 | 45.0 | Signal | E | Poor signal coordination | Coordinate signals along Abercorn |
| | Eisenhower to Stephenson | 5069023 | 5069 | 1364.3 | 16.9 | 45 | 0.38 | 47.2 | 28.3 | Signal | D | Currently under construction on Stephenson | Coordinate signals along Abercorn, Study next CMS after construction |
| | Lee Blvd to Janet | 5069026 | 5069 | 1361.3 | 10.7 | 45 | 0.24 | 91.1 | 58.4 | Signal | F | Poor signal coordination | Coordinate signals along Abercorn |
| | Janet to Private Drive | 5069027 | 5069 | 1124.9 | 24.1 | 45 | 0.54 | 45.5 | 21.4 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | 4.4 | 40 | 0.11 | 107.0 | 81.6 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------------|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| ABERCORN - NB | Washington to Victory | 5069032 | 5069 | 1167.4 | 15.6 | 35 | 0.45 | 37.8 | 23.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | 17.8 | 35 | 0.51 | 46.2 | 33.0 | Signal | D | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | 22.7 | 40 | 0.57 | 47.2 | 31.0 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| | Jackson to Stephenson | 5070011 | 5070 | 1300.9 | 16.1 | 45 | 0.36 | 47.9 | 30.0 | Signal | D | Excessive Delays at Stephenson | Coordinate signals between DeRenne and Stephenson |
| | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | 18.6 | 45 | 0.41 | 54.3 | 32.0 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| | Mercy to Science | 5070023 | 5070 | 3831.4 | 29.6 | 45 | 0.66 | 39.0 | 20.5 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman |
| | Apache to Rio | 5070025 | 5070 | 2685.1 | 15.8 | 45 | 0.35 | 127.9 | 70.5 | Signal | F | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| | Veterens Pkwy to King George | 5070028 | 5070 | 5532.3 | 27.0 | 55 | 0.49 | 144.9 | 64.5 | Signal | F | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George appr |
| | I-95 to I-95 SB Ramp | 5070033 | 5070 | 691 | 21.8 | 55 | 0.40 | 21.5 | 9.2 | Cross Street | D | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| PRICE - SB | Bay St to Broughton | 5072001 | 5072 | 743.8 | 16.6 | 30 | 0.55 | 49.5 | 11.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Anderson to 37th St | 5072008 | 5072 | 1991.1 | 14.5 | 35 | 0.41 | 54.5 | 39.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 37th St to Victory | 5072009 | 5072 | 1781.3 | 19.2 | 35 | 0.55 | 36.0 | 21.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | 40th St to 37th St | 5075002 | 5075 | 922 | 16.8 | 35 | 0.48 | 29.9 | 17.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | Gwinnett to Liberty | 5075006 | 5075 | 2845.5 | 23.4 | 35 | 0.67 | 40.9 | 22.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| SH 25 (CROSSGATE/BOURNE) - NB | SH 25 Merge to SH 21 Spur | 5079003 | 5079 | 3088.4 | 26.7 | 45 | 0.59 | 47.9 | 29.2 | Signal | D | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| JOHNNY MERCER - EB | Walgreens to Wilmington Island | 5083005 | 5083 | 1348.8 | 13.3 | 35 | 0.38 | 49.0 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | 27.2 | 45 | 0.61 | 44.8 | 30.3 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| HODGESON MEMORIAL - NB | Mall Way to Mall Blvd | 5089003 | 5089 | 500.3 | 8.7 | 35 | 0.25 | 38.2 | 27.7 | Signal | D | Short distance between Mall Way and Mall Blvd | Signal Operations - Coordinate signals between Mall Way and Mall Blvd |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | 9.3 | 35 | 0.26 | 77.5 | 61.3 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| STEPHENSON - EB | White Bluff to Abercorn | 5091001 | 5091 | 793.1 | 6.2 | 30 | 0.21 | 70.3 | 55.8 | Signal | E | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Hodgeson Memorial to Habersham | 5092003 | 5092 | 1012.3 | 10.6 | 25 | 0.43 | 43.8 | 26.8 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Habersham to Abercorn | 5092004 | 5092 | 702.3 | 10.8 | 30 | 0.36 | 44.2 | 32.3 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | 12.6 | 30 | 0.42 | 52.5 | 41.0 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | 7.6 | 35 | 0.22 | 176.3 | 106.7 | Cross Street | F | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Victory to 37th St | 5093007 | 5093 | 1712.5 | 15.2 | 30 | 0.51 | 40.4 | 25.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | 21.1 | 35 | 0.60 | 35.0 | 14.0 | Signal | D | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | 7.9 | 35 | 0.23 | 241.3 | 126.0 | Cross Street | F | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | 21.9 | 40 | 0.55 | 74.3 | 47.8 | Signal | E | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Patrick Graham Terminal to SH 21 | 5097009 | 5097 | 12131.6 | 21.0 | 40 | 0.53 | 224.0 | 120.0 | Cross Street | D | Currently detour due to construction on SR 25 | Study next CMS |
| | SH 21 to SH 25 | 5097010 | 5097 | 4673.4 | 26.6 | 41 | 0.65 | 42.3 | 13.0 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | 26.5 | 41 | 0.65 | 54.8 | 33.6 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| PENN WALLER - NB | Wassaw to Johnny Mercer | 5103004 | 5103 | 1115.9 | 14.9 | 35 | 0.43 | 33.4 | 22.3 | Cross Street | D | Minor Approach to Johnny Mercer | Side street delays are expected |
| HARMON - NB | 37th St to Anderson | 5105004 | 5105 | 1999.1 | 14.9 | 25 | 0.59 | 37.9 | 33.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|--------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|------------|-----|---|---|
| HARMON - SB | Henry to Anderson | 5106004 | 5106 | 321.2 | 4.5 | 25 | 0.18 | 35.4 | 31.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 39th St to Victory | 5106007 | 5106 | 1056.6 | 13.1 | 25 | 0.52 | 25.9 | 18.7 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired cond, Stop sign upstream restricts coordination |
| WATERS/WHITFIELD/DIAMOND CAUSWAY - NB | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | 15.6 | 45 | 0.35 | 67.3 | 53.7 | City Limit | F | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| | Eisenhower to Stephenson | 5107013 | 5107 | 1307.8 | 15.2 | 40 | 0.38 | 45.2 | 25.7 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | 11.3 | 35 | 0.32 | 251.2 | 111.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| WATERS/WHITFIELD/DIAMOND CAUSWAY - SB | Gwinnett to Henry | 5108002 | 5108 | 1592.1 | 19.0 | 30 | 0.63 | 25.2 | 14.3 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 37th St to Victory | 5108005 | 5108 | 1705.4 | 11.2 | 30 | 0.37 | 67.4 | 44.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | 17.2 | 35 | 0.49 | 50.1 | 13.0 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| | DeRenne to Stephenson | 5108013 | 5108 | 5497.8 | 14.0 | 35 | 0.40 | 159.8 | 47.3 | Signal | F | Corridor will improve with extension of Truman | Study next CMS |
| | Stephenson to Eisenhower | 5108014 | 5108 | 1307.7 | 13.3 | 40 | 0.33 | 48.8 | 29.7 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| | Mall Blvd to Montgomery Cross | 5108016 | 5108 | 1919.6 | 17.9 | 40 | 0.45 | 41.1 | 21.0 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| FERGUSON - NB | Shipyards to Diamond Causeway | 5113002 | 5113 | 6509.6 | 30.5 | 40 | 0.76 | 36.6 | 15.3 | TWSC | E | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | 26.2 | 40 | 0.66 | 54.5 | 19.5 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | 17.6 | 35 | 0.50 | 79.7 | 47.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | DeRenne to La Roche | 5115007 | 5115 | 3331.8 | 20.5 | 35 | 0.59 | 50.6 | 22.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | La Roche to 52nd St | 5115008 | 5115 | 2124.2 | 14.8 | 35 | 0.42 | 58.7 | 18.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Colorado to Victory | 5115010 | 5115 | 953.4 | 8.4 | 35 | 0.24 | 63.7 | 47.3 | Signal | E | Delay at Victory, sufficient capacity for all mvmnt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|---|
| SKIDAWAY - SB | Wheaton to Henry/Anderson | 5116001 | 5116 | 1912.8 | 14.2 | 30 | 0.47 | 48.0 | 37.3 | TWSC | E | Minor Approach to 5-legged intersection | Optimize Signal at Anderson |
| | 36th St to Victory | 5116003 | 5116 | 2607.6 | 19.7 | 35 | 0.56 | 42.6 | 24.0 | Signal | D | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| | Colorado to 52nd St | 5116005 | 5116 | 2264.6 | 16.4 | 35 | 0.47 | 52.0 | 27.7 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | 19.9 | 35 | 0.57 | 50.1 | 24.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | 21.4 | 40 | 0.53 | 68.5 | 29.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | | | | | | | | | | | | | |
| PENNSYLVANIA - NB | Capital to Islands Expressway | 5117003 | 5117 | 1858.6 | 13.8 | 30 | 0.46 | 63.8 | 45.5 | Signal | E | Minor Approach at Bay | Cross Street Delay Expected |
| PENNSYLVANIA - SB | Islands Expressway to Capital | 5118001 | 5118 | 1858.6 | 18.1 | 30 | 0.60 | 58.4 | 16.3 | Signal | E | Signal Operations at Capital | Signal Operations - at Capital |
| | | | | | | | | | | | | | |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | 17.6 | 35 | 0.50 | 82.4 | 56.3 | AWSC | F | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | 13.9 | 35 | 0.40 | 52.2 | 38.7 | Signal | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| | Largo to Middleground | 5122003 | 5122 | 2293.9 | 20.9 | 30 | 0.70 | 26.1 | 19.8 | AWSC | D | Minor Approach at Middleground | Cross Street Delay Expected |
| | | | | | | | | | | | | | |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | DeRenne to Skidaway | 5123006 | 5123 | 3966.4 | 19.7 | 35 | 0.56 | 62.8 | 39.0 | Signal | E | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway, will improve with Skidaway widening, Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | 19.0 | 30 | 0.63 | 60.9 | 48.0 | Signal | E | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening, Optimize signal timing |
| | Skidaway to DeRenne | 5124004 | 5124 | 3966.4 | 25.3 | 35 | 0.72 | 36.4 | 16.0 | Signal | D | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway |

PM Congested Segments Cont.
Table 5

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-----------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---------------------------------------|--|
| VICTORY/SAFOLD/ISLANDEXPRESSWAY/US 80 - EB | Bull to Abercorn | 5129009 | 5129 | 817.4 | 18.3 | 35 | 0.52 | 39.2 | 31.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Paulsen to Waters | 5129014 | 5129 | 1255.7 | 16.8 | 35 | 0.48 | 40.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Bee Rd to Harry Truman SB Ramp | 5129016 | 5129 | 2149.2 | 18.1 | 40 | 0.45 | 49.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Walton to Skidaway | 5129019 | 5129 | 1174.6 | 11.3 | 40 | 0.28 | 75.3 | 45.5 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Thunderbolt City Limit to Whatley | 5129022 | 5129 | 609.8 | 16.0 | 35 | 0.46 | 35.5 | 24.0 | Cross Street | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLANDEXPRESSWAY/US 80 - WB | Skidaway to Walton | 5130021 | 5130 | 1174.6 | 8.4 | 40 | 0.21 | 73.1 | 55.3 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Bee Rd to Waters | 5130025 | 5130 | 2834.3 | 24.1 | 40 | 0.60 | 42.0 | 29.8 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Habersham to Abercorn | 5130030 | 5130 | 716 | 7.1 | 35 | 0.20 | 55.3 | 36.7 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | 21.6 | 35 | 0.62 | 58.3 | 34.5 | Signal | E | Delays at intersection with Ogeechee | Study intersection for possible signalization |

Table 6 – Top 20 Most Congested Segments

| Rank | Route and Direction | Roadway Segment | Segment ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------|---|------------------------------|------------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|---|
| 1 | WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Stephenson to DeRenne | 5107014 | 5497.7 | PM | 11.3 | 35 | 0.32 | 251.2 | 111.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| | | | 5107014 | 5497.7 | MD | 16.1 | 35 | 0.46 | 130.3 | 62.0 | Signal | F | | |
| | | | 5107014 | 5497.7 | AM | 18.7 | 35 | 0.53 | 109.4 | 49.7 | Signal | F | | |
| 2 | HABERSHAM - SB | Johnston to Stephenson | 5094008 | 3189.1 | PM | 7.9 | 35 | 0.23 | 241.3 | 126.0 | Cross Street | F | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| | | | 5094008 | 3189.1 | AM | 17.5 | 35 | 0.50 | 66.7 | 44.3 | Cross Street | D | | |
| 3 | BULL/WHITE BLUFF - SB | Eisenhower to Abercorn | 5066010 | 2720.2 | PM | 9.2 | 40 | 0.23 | 179.3 | 129.3 | Signal | F | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap. |
| | | | 5066010 | 2720.2 | AM | 26.2 | 40 | 0.66 | 44.8 | 33.5 | Signal | D | | |
| | | | 5066010 | 2720.2 | MD | 23.5 | 40 | 0.59 | 44.1 | 29.3 | Signal | D | | |
| 4 | MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 889.8 | PM | 5.0 | 40 | 0.12 | 179.2 | 138.0 | Signal | F | Planned Intersection TIP | Consider change in lane use for shared dual left, study addition of NB right turn. |
| | | | 5006004 | 889.8 | AM | 9.6 | 40 | 0.24 | 76.1 | 57.5 | Signal | E | Excessive delays back through Mall Way | |
| 5 | BULL/WHITE BLUFF - NB | Hampstead to DeRenne | 5065017 | 1250 | PM | 4.3 | 35 | 0.12 | 177.4 | 132.7 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |
| | | | 5065017 | 1250 | MD | 6.2 | 35 | 0.18 | 111.7 | 89.0 | Signal | F | | |
| | | | 5065017 | 1250 | AM | 8.2 | 35 | 0.23 | 91.2 | 69.8 | Signal | F | | |
| 6 | HABERSHAM - NB | Johnston to DeRenne | 5093002 | 2430.1 | PM | 7.6 | 35 | 0.22 | 176.3 | 106.7 | Cross Street | F | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| | | | 5093002 | 2430.1 | AM | 13.8 | 35 | 0.39 | 82.6 | 67.7 | Cross Street | E | | |
| 7 | WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | DeRenne to Stephenson | 5108013 | 5497.8 | PM | 14.0 | 35 | 0.40 | 159.8 | 47.3 | Signal | F | Corridor will improve with extension of Truman | Study next CMS |
| 8 | ABERCORN - SB | Veterens Pkwy to King George | 5070028 | 5532.3 | PM | 27.0 | 55 | 0.49 | 144.9 | 64.5 | Signal | F | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George approach. |
| | | | 5070028 | 5532.3 | MD | 36.5 | 55 | 0.66 | 38.2 | 22.0 | Signal | D | | |
| 9 | SH 21/I 516/DERENNE - EB | Montgomery to Bull | 5035025 | 1374.5 | PM | 6.0 | 40 | 0.15 | 140.9 | 103.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study. |
| | | | 5035025 | 1374.5 | MD | 15.2 | 40 | 0.38 | 69.4 | 48.7 | Signal | E | | |
| | | | 5035025 | 1374.5 | AM | 21.0 | 40 | 0.53 | 60.1 | 39.0 | Signal | E | | |
| 10 | OGEECHIE/US 17 - WB | Quacco to SH 204 WB Ramp | 5012007 | 6651.9 | PM | 19.0 | 40 | 0.47 | 138.7 | 53.0 | Signal | F | Currently under construction | Study next CMS |
| 11 | SH 21/I 516/DERENNE - EB | Cross Gate to SH 25 | 5035010 | 7509.7 | AM | 29.3 | 55 | 0.53 | 138.1 | 64.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| | | | 5035010 | 7509.7 | MD | 25.2 | 55 | 0.46 | 137.1 | 44.0 | Signal | F | | |
| | | | 5035010 | 7509.7 | PM | 33.0 | 55 | 0.60 | 72.3 | 43.0 | Signal | E | | |

Top 20 Segments Continued
Table 6

| Rank | Route and Direction | Roadway Segment | Segment ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------|--------------------------|---------------------------|------------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|--|
| 12 | SH 21/I 516/DERENNE - WB | SH 25 to Cross Gate | 5036026 | 7509.7 | PM | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| 13 | ABERCORN - SB | Apache to Rio | 5070025 | 2685.1 | PM | 15.8 | 45 | 0.35 | 127.9 | 70.5 | Signal | F | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| 14 | SKIDAWAY - SB | La Roche to DeRenne | 5116007 | 3331.7 | AM | 13.3 | 35 | 0.38 | 126.9 | 85.5 | Signal | F | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| | | | 5116007 | 3331.7 | PM | 19.9 | 35 | 0.57 | 50.1 | 24.3 | Signal | D | | |
| 15 | BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 3527.4 | MD | 13.6 | 35 | 0.39 | 118.2 | 92.5 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| | | | 5066005 | 3527.4 | PM | 23.0 | 35 | 0.66 | 35.8 | 19.0 | Signal | D | | |
| | | | 5066005 | 3527.4 | AM | 23.0 | 32 | 0.72 | 35.5 | 22.8 | Signal | D | | |
| 16 | MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 8340.3 | PM | 20.9 | 35 | 0.60 | 113.1 | 89.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| | | | 5003002 | 8340.3 | AM | 23.8 | 35 | 0.68 | 85.8 | 67.0 | Signal | F | | |
| | | | 5003002 | 8340.3 | MD | 25.8 | 35 | 0.74 | 57.7 | 69.5 | Signal | E | | |
| 17 | MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 4851.7 | MD | 18.1 | 45 | 0.40 | 111.0 | 94.5 | Signal | F | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| | | | 5004002 | 4851.7 | AM | 24.1 | 45 | 0.53 | 73.7 | 37.6 | Signal | E | | |
| | | | 5004003 | 3078.1 | PM | 19.1 | 35 | 0.55 | 53.5 | 38.3 | Signal | D | | |
| 18 | ABERCORN - NB | Private Drive to DeRenne | 5069028 | 729.3 | PM | 4.4 | 40 | 0.11 | 107.0 | 81.6 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| | | | 5069028 | 729.3 | AM | 5.6 | 40 | 0.14 | 83.8 | 66.2 | Signal | F | | |
| | | | 5069028 | 729.3 | MD | 11.2 | 40 | 0.28 | 42.8 | 24.7 | Signal | D | | |
| 19 | DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5674.7 | AM | 22.9 | 45 | 0.51 | 104.9 | 93.8 | Signal | F | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| | | | 5052002 | 5674.7 | MD | 27.7 | 45 | 0.62 | 72.5 | 56.7 | Signal | E | | |
| | | | 5052002 | 5674.7 | PM | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | | |
| 20 | ABERCORN - NB | Pine Grove to King George | 5069006 | 3413.4 | AM | 26.2 | 55 | 0.48 | 103.9 | 59.5 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George approach. |
| | | | 5069006 | 3413.4 | MD | 19.4 | 55 | 0.35 | 85.3 | 58.0 | Signal | F | | |
| | | | 5069006 | 3413.4 | PM | 28.2 | 55 | 0.51 | 69.3 | 40.3 | Signal | E | | |

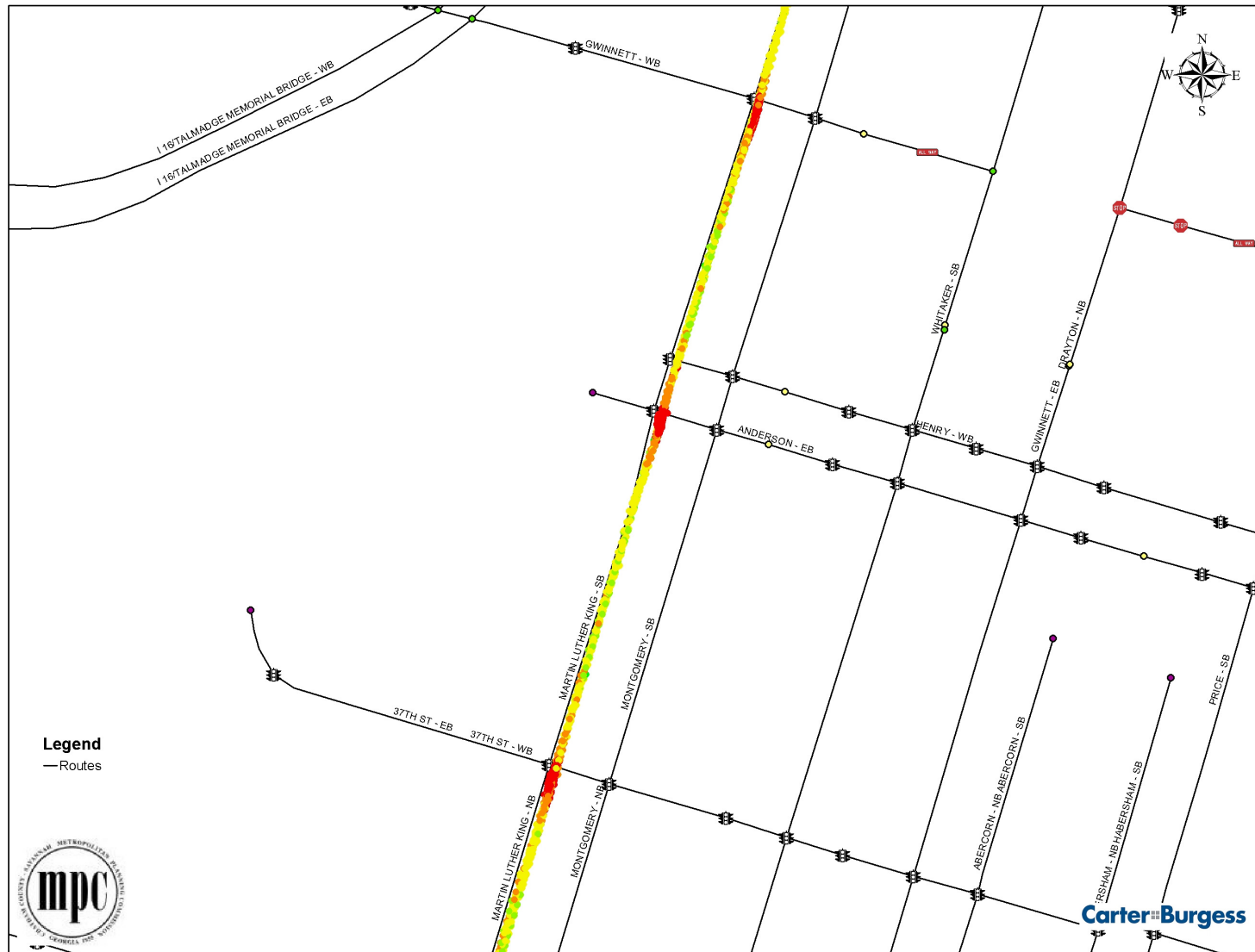


Figure 10 – Example 1-Second Speed on Congested Segment Near Signal

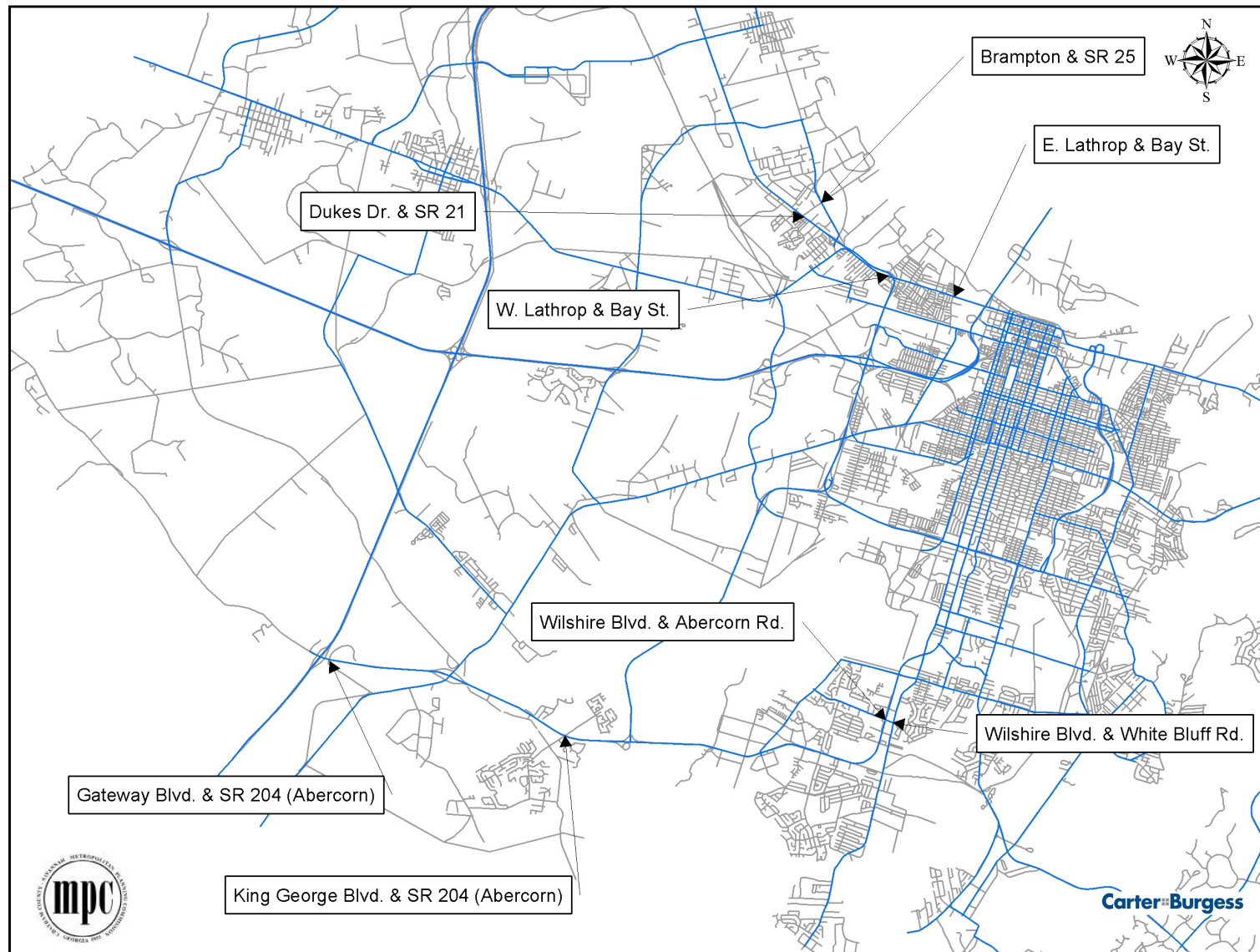


Figure 11 – Isolated Intersection Locations

7.0 CONCLUSIONS

Based on average segment delay and the resulting approach LOS, the majority of roadways studied are operating under stable or free-flow conditions. Only 10% of the roadways were operating under congested conditions during the Winter 2003-2004 season. The primary criterion used for determining congestion was approach LOS as included in the summary tables.

On many of the segments with CI's in the congested range (< 70% of posted speed), the congestion occurred only near a stop sign or traffic signal and had acceptable conditions through the remainder of the segment. This is demonstrated by referring to the 0.1-mile segments as shown in **Figure 11** and observing the frequency of low speed near the segment nodes or intersections.

The U.S. Department of Transportation's Federal Highway Administration (FHWA) has produced a video showing that retiming traffic signals is one of the more cost-effective techniques available to state and local agencies in their efforts to manage congestion and growing travel demand. The video, "It's About Time, Traffic Signal Management: Cost-Effective Street Capacity and Safety," demonstrates how signal timing on roads can improve air quality while reducing fuel consumption, decreasing traffic congestion, and saving time for commercial and emergency vehicles. Two-thirds of all highway miles in the United States are roads with traffic signals. According to the Institute of Transportation Engineers, the United States has about 300,000 traffic signals. The performance of about 75 percent of them could be improved easily and inexpensively by updating equipment or by simply adjusting the timing.

As required by FHWA, every effort must be made to optimize the existing system prior to implementing capital improvements. The operational improvements discussed above are ones that have the largest benefit cost ratio. Other improvements that should be considered are related to TDM, and TSM type projects. Transit type projects would fall into the category of travel demand management (TDM). At the time of this project, the amount of data available in GIS was limited for comparison to the results. One observation in the area of transit operations relates to the use of bus bays. There are varying opinions on the benefits of bays, but there are many situations where "far side" bays on the downstream side of the intersection would remove the bus from the mainlanes and allow through traffic to continue. This would also provide opportunities for the bus to depart the bay in gaps created by the intersection control.

As noted in the Appendix, a few locations would benefit from TSM improvements or localized intersection geometric additions. These would primarily include turn bay extensions to allow improved access to the existing turn bays so they are not blocked by queued vehicles in the through lanes.

Other congested segments were found to include plans within the TIP or Long Range Plan. Those situations were noted as such.



Figure 12 – 0.1 Mile Segments

8.0 RECOMMENDATIONS

Recommendations for each section of congested roadway are shown in **Tables 4 and 5** in the right-hand columns.

Recommendations for the 20 sections of roadway with the worst LOS/Delay are summarized in **Table 6**.

Improvements include signal timing optimization, traffic signal coordination for improved progression, access management, multi-modal considerations, new signals where stop signs currently exist, and roadway widening. Benefits of these improvements are described below.

Many of the recommendations include signal timing improvements. Signal timing improvements are a relatively inexpensive way to make significant improvements on a transportation network. Improved signal timing can decrease delay by appropriately allocating green time among competing phases. This allows more traffic to pass through the signal with less delay. By adjusting cycle lengths and offsets, drivers can travel longer distances along a corridor before having to stop for a red light. This decreases travel time and improves air quality. Both signal timing optimization and traffic signal progression are relatively low cost improvements to make the best use of existing capacity and optimize allocation of funding. The cost for a signal timing improvement project varies depending on the number of traffic signals, the controller capabilities, the location of the traffic signals and adjacent signals, the number of timing plans required, and implementation and fine-tuning needs. Depending on the condition and capabilities of the existing signal equipment, these improvements could range from \$4,000 per intersection to over \$10,000.

Access management minimizes the number of access points along a given section of roadway. Reducing and combining access points minimize the number of conflict areas along a corridor. Traffic generally slows down to make right and left turns into driveways, and reducing the number of driveways limits the areas where traffic is interrupted by turning movements. In some cases, right and left turn lanes can be provided at combined driveways, and the slow turning movements can be removed from the through lanes.

The Chatham County – Savannah MPC prepared a comprehensive Bikeway Plan in September 2000. The plans developed at that time and upon ultimate implementation will create an extensive network of on-street and off-street paths available for both bikes and pedestrians. As noted in that publication:

“Bikeways and greenways provide opportunities for alternative modes of transportation and therefore can reduce automobile travel. Some traffic congestion problems may be helped by a bikeway / greenway system because more people will find it convenient to cycle or walk to employment centers, commercial districts, transit stations,



institutions, and recreation destinations. Thus a bikeway / greenway system can increase the traffic carrying capacity of the roadway system. As bicycle and pedestrian trips increase, all residents will benefit from reductions in traffic congestion, air pollution, and energy consumption."

Transit route coverage blankets the vast majority of all the arterials evaluated in the CMS. This provides the opportunity for patrons and ease of access to those desiring to use transit. The one element observed regarding transit is the lack of bus bays to remove them from the traffic stream. Far-side bus bays improve the operations of the bus by making it easier to return to the travel lane. In contrast, when stopped at the near-side, it is always a challenge to pull back into the lane due to queued vehicles.

Adding signals may be an improvement at four-way stop intersections or intersections with heavy major street and cross street traffic. This reduces delay for previously stop-controlled movements but may increase delay for movements that were not controlled. As traffic volumes increase, as warranted traffic signals are necessary to efficiently move traffic.

Continuous flow intersections are a unique configuration that is primarily applicable for T-intersections. This design provides a continuous green indication for the primary movement on the side of the "T" that does not have a side street approach. This is accomplished by modifying the median or center of intersection to provide channelization of the side street left turns and directing them into a merge situation with the continuous movement. This is highlighted in **Figure 12**. This should only be applied in those areas where the 4th leg of the intersection will not be added at a later date. This intersection configuration can greatly reduce delays for those intersection uniquely qualified.

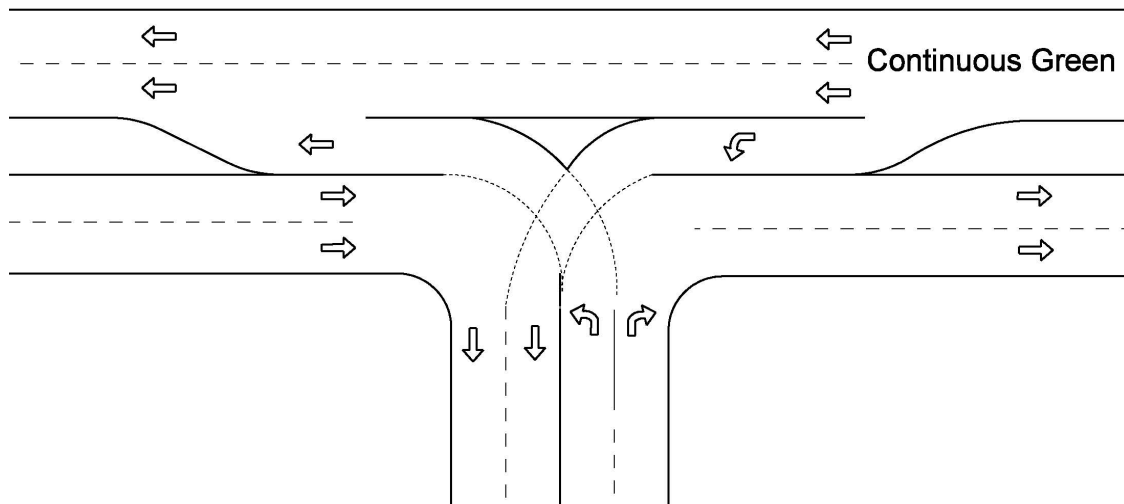


Figure 13 –Continuous Flow Intersection Diagram

Roadway widening is necessary where traffic signal timing and access management are unable to provide enough capacity for heavy traffic volumes. Widening could include adding a through lane for a long section of road, or providing turn lanes at intersections. Adding capacity through roadway widening is generally expensive.

A categorical summary of recommended improvements from the Winter 2003-2004 report are shown in **Figure 13**. As illustrated, the most often recommended improvement was signal timing at 24% aside from those congested segments that fall on roadways that have planned/programmed improvements in the system. **Figure 14** illustrate the recommendations for each segment found to have a LOS of D-F. The segments are color-coded by recommendation category.

The results of the CMS indicate that the majority of the observed areas of congestion are either addressed in “planned projects” or are related to traffic signal operations. The planned projects have been evaluated in model updates to consider their benefits in the future. Traffic signal operations are details that are difficult to reflect in a transportation model. Most models consider the demand and capacity on links between intersections and don’t consider details like the quality of the signal operations. Therefore, it is difficult to know for certain how much more life one can have by improving the signal timing. As the area grows and the traffic patterns change, studies similar to this CMS need to occur to monitor the quality of the intersection operations so that the network can be managed and provide maximum life before having to add capacity.

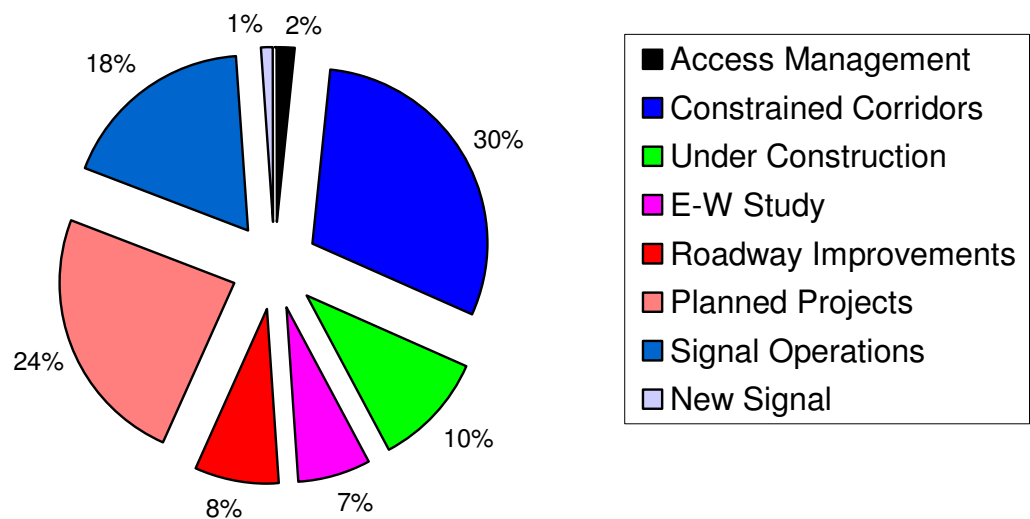


Figure 14 –Breakdown of Winter 2003-2004 Improvement Recommendations



APPENDIX A

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| SHIPYARD - EB | Whitfield to North Drive | 5001001 | 5001 | 7645.8 | AM | 28.3 | 30 | 0.93 | 23.6 | 9.7 | Cross Street | B | | B |
| SHIPYARD - EB | Whitfield to North Drive | 5001001 | 5001 | 7645.8 | MD | 34.2 | 30 | 1.12 | 0.7 | 0.0 | Cross Street | A | | A |
| SHIPYARD - EB | Whitfield to North Drive | 5001001 | 5001 | 7645.8 | PM | 32.2 | 30 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| SHIPYARD - WB | North Drive to Whitfield | 5002002 | 5002 | 7645.8 | AM | 33.9 | 30 | 1.12 | 0.0 | 1.0 | Cross Street | A | | A |
| SHIPYARD - WB | North Drive to Whitfield | 5002002 | 5002 | 7645.8 | MD | 36.7 | 30 | 1.21 | 0.0 | 1.2 | Cross Street | A | | A |
| SHIPYARD - WB | North Drive to Whitfield | 5002002 | 5002 | 7645.8 | PM | 32.9 | 30 | 1.08 | 0.0 | 0.7 | Cross Street | A | | A |
| MONTGOMERY CROSS - EB | Abercorn to Tibet Ave | 5003001 | 5003 | 7029.6 | AM | 31.3 | 35 | 0.89 | 16.6 | 0.6 | Signal | B | | B |
| MONTGOMERY CROSS - EB | Abercorn to Tibet Ave | 5003001 | 5003 | 7029.6 | MD | 39.7 | 35 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | Abercorn to Tibet Ave | 5003001 | 5003 | 7029.6 | PM | 29.9 | 35 | 0.85 | 23.8 | 0.0 | Signal | C | | C |
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | AM | 23.8 | 35 | 0.68 | 85.8 | 67.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | MD | 25.8 | 35 | 0.74 | 57.7 | 69.5 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| MONTGOMERY CROSS - EB | Tibet Ave to Abercorn | 5003002 | 5003 | 8340.3 | PM | 20.9 | 35 | 0.60 | 113.1 | 89.0 | Signal | F | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| MONTGOMERY CROSS - EB | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | AM | 14.4 | 35 | 0.41 | 57.7 | 42.8 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - EB | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | MD | 17.6 | 35 | 0.50 | 36.3 | 29.0 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - EB | Abercorn to White Bluff | 5003003 | 5003 | 1567.6 | PM | 11.8 | 35 | 0.34 | 58.6 | 41.7 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - EB | White Bluff to Hodgeson Memorial | 5003004 | 5003 | 2376.4 | AM | 23.1 | 35 | 0.66 | 36.1 | 23.3 | Signal | D | Signal Timing | Delays along Montgomery between Abercorn and Waters, Coordinate signals |
| MONTGOMERY CROSS - EB | White Bluff to Hodgeson Memorial | 5003004 | 5003 | 2376.4 | MD | 38.7 | 35 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | White Bluff to Hodgeson Memorial | 5003004 | 5003 | 2376.4 | PM | 21.5 | 35 | 0.61 | 32.7 | 15.0 | Signal | C | | C |
| MONTGOMERY CROSS - EB | Hodgeson Memorial to Waters | 5003005 | 5003 | 3078.1 | AM | 33.0 | 35 | 0.94 | 9.2 | 7.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | Hodgeson Memorial to Waters | 5003005 | 5003 | 3078.1 | MD | 31.6 | 35 | 0.90 | 6.4 | 9.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | Hodgeson Memorial to Waters | 5003005 | 5003 | 3078.1 | PM | 29.1 | 35 | 0.83 | 25.7 | 18.7 | Signal | C | | C |
| MONTGOMERY CROSS - EB | Waters to Sallie Mood | 5003006 | 5003 | 4851.6 | AM | 34.3 | 45 | 0.76 | 25.3 | 2.5 | Signal | C | | C |
| MONTGOMERY CROSS - EB | Waters to Sallie Mood | 5003006 | 5003 | 4851.6 | MD | 45.3 | 45 | 1.01 | 1.0 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | Waters to Sallie Mood | 5003006 | 5003 | 4851.6 | PM | 34.5 | 45 | 0.77 | 23.5 | 2.7 | Signal | C | | C |
| MONTGOMERY CROSS - EB | Sallie Mood to Skidaway | 5003007 | 5003 | 4487.2 | AM | 37.7 | 45 | 0.84 | 18.5 | 11.0 | Signal | B | | B |
| MONTGOMERY CROSS - EB | Sallie Mood to Skidaway | 5003007 | 5003 | 4487.2 | MD | 48.4 | 45 | 1.08 | 0.0 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - EB | Sallie Mood to Skidaway | 5003007 | 5003 | 4487.2 | PM | 24.6 | 45 | 0.55 | 58.0 | 27.3 | Signal | E | T intersection limits capacity | Intersection capacity if limited due to the T configuration, optimize signal operations |
| MONTGOMERY CROSS - WB | Skidaway to Sallie Mood | 5004001 | 5004 | 4487.1 | AM | 39.9 | 45 | 0.89 | 8.9 | 2.2 | Signal | A | | A |
| MONTGOMERY CROSS - WB | Skidaway to Sallie Mood | 5004001 | 5004 | 4487.1 | MD | 50.0 | 45 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - WB | Skidaway to Sallie Mood | 5004001 | 5004 | 4487.1 | PM | 40.3 | 45 | 0.90 | 8.2 | 0.0 | Signal | A | | A |
| MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 5004 | 4851.7 | AM | 24.1 | 45 | 0.53 | 73.7 | 37.6 | Signal | E | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 5004 | 4851.7 | MD | 18.1 | 45 | 0.40 | 111.0 | 94.5 | Signal | F | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - WB | Sallie Mood to Waters | 5004002 | 5004 | 4851.7 | PM | 37.1 | 45 | 0.82 | 17.3 | 2.3 | Signal | B | | B |
| MONTGOMERY CROSS - WB | Waters to Hodgeson Memorial | 5004003 | 5004 | 3078.1 | AM | 30.5 | 35 | 0.87 | 11.0 | 5.4 | Signal | B | | B |
| MONTGOMERY CROSS - WB | Waters to Hodgeson Memorial | 5004003 | 5004 | 3078.1 | MD | 33.6 | 35 | 0.96 | 8.7 | 10.0 | Signal | A | | A |
| MONTGOMERY CROSS - WB | Waters to Hodgeson Memorial | 5004003 | 5004 | 3078.1 | PM | 19.1 | 35 | 0.55 | 53.5 | 38.3 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - WB | Hodgeson Memorial to White Bluff | 5004004 | 5004 | 2376.4 | AM | 26.8 | 35 | 0.77 | 15.9 | 5.4 | Signal | B | | B |
| MONTGOMERY CROSS - WB | Hodgeson Memorial to White Bluff | 5004004 | 5004 | 2376.4 | MD | 23.8 | 35 | 0.68 | 30.5 | 24.5 | Signal | C | | C |
| MONTGOMERY CROSS - WB | Hodgeson Memorial to White Bluff | 5004004 | 5004 | 2376.4 | PM | 17.5 | 35 | 0.50 | 46.1 | 32.7 | Signal | D | Lack of coordination between Waters and Abercorn | Signal Operations - Coordination between Waters and Abercorn |
| MONTGOMERY CROSS - WB | White Bluff to Abercorn | 5004005 | 5004 | 1567.6 | AM | 14.8 | 35 | 0.42 | 52.7 | 34.8 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn, study approach at Abercorn |
| MONTGOMERY CROSS - WB | White Bluff to Abercorn | 5004005 | 5004 | 1567.6 | MD | 21.1 | 35 | 0.60 | 29.4 | 21.0 | Signal | C | | C |
| MONTGOMERY CROSS - WB | White Bluff to Abercorn | 5004005 | 5004 | 1567.6 | PM | 18.0 | 35 | 0.52 | 29.3 | 15.7 | Signal | C | | C |
| MONTGOMERY CROSS - WB | Abercorn to Tibet Ave | 5004006 | 5004 | 8340.3 | AM | 31.8 | 35 | 0.91 | 19.2 | 1.0 | Signal | B | | B |
| MONTGOMERY CROSS - WB | Abercorn to Tibet Ave | 5004006 | 5004 | 8340.3 | MD | 37.5 | 35 | 1.07 | 14.3 | 6.0 | Signal | B | | B |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|-------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|--|
| MONTGOMERY CROSS - WB | Abercorn to Tibet Ave | 5004006 | 5004 | 8340.3 | PM | 28.6 | 35 | 0.82 | 37.6 | 7.0 | Signal | D | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| MONTGOMERY CROSS - WB | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | AM | 23.3 | 35 | 0.67 | 75.1 | 47.7 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| MONTGOMERY CROSS - WB | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | MD | 35.7 | 35 | 1.02 | 9.0 | 17.5 | Signal | A | | A |
| MONTGOMERY CROSS - WB | Tibet Ave to Abercorn | 5004007 | 5004 | 7029.6 | PM | 25.3 | 35 | 0.72 | 60.8 | 14.8 | Signal | E | Funded Project for construction FY 2004-06 (PRC) | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn |
| MALL BLVD - EB | Abercorn to Mall Way | 5005002 | 5005 | 889.8 | AM | 27.6 | 40 | 0.69 | 6.8 | 0.8 | Signal | A | | A |
| MALL BLVD - EB | Abercorn to Mall Way | 5005002 | 5005 | 889.8 | MD | 18.9 | 40 | 0.47 | 25.3 | 9.5 | Signal | C | | C |
| MALL BLVD - EB | Abercorn to Mall Way | 5005002 | 5005 | 889.8 | PM | 16.7 | 40 | 0.42 | 26.5 | 13.7 | Signal | C | | C |
| MALL BLVD - EB | Mall Way to Hodgeson Memorial | 5005003 | 5005 | 871.9 | AM | 22.9 | 40 | 0.57 | 27.2 | 16.8 | Signal | C | | C |
| MALL BLVD - EB | Mall Way to Hodgeson Memorial | 5005003 | 5005 | 871.9 | MD | 15.0 | 40 | 0.37 | 25.4 | 14.0 | Signal | C | | C |
| MALL BLVD - EB | Mall Way to Hodgeson Memorial | 5005003 | 5005 | 871.9 | PM | 10.1 | 40 | 0.25 | 48.6 | 30.7 | Signal | D | High Volume of Right turning Mall vehicles | Geometrics - Add right turn bay for existing channelized movement |
| MALL BLVD - EB | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | AM | 24.2 | 40 | 0.60 | 37.7 | 22.5 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - EB | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | MD | 21.6 | 40 | 0.54 | 50.0 | 32.0 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - EB | Hodgeson Memorial to Waters | 5005004 | 5005 | 3116.6 | PM | 24.4 | 40 | 0.61 | 35.7 | 16.7 | Signal | D | T intersection with Dual left | Delays caused by signal timing, sufficient capacity for all movements |
| MALL BLVD - WB | Waters to Hodgeson Memorial | 5006002 | 5006 | 3116.5 | AM | 24.4 | 40 | 0.61 | 37.6 | 21.3 | Signal | D | Signal Operations, NB right turn | NB right turn may free up time for Mall Blvd traffic along with optimized timing |
| MALL BLVD - WB | Waters to Hodgeson Memorial | 5006002 | 5006 | 3116.5 | MD | 25.0 | 40 | 0.63 | 41.2 | 26.5 | Signal | D | Signal Operations, NB right turn | NB right turn may free up time for Mall Blvd traffic along with optimized timing |
| MALL BLVD - WB | Waters to Hodgeson Memorial | 5006002 | 5006 | 3116.5 | PM | 31.1 | 40 | 0.78 | 18.4 | 8.7 | Signal | B | | B |
| MALL BLVD - WB | Hodgeson Memorial to Mall Way | 5006003 | 5006 | 872 | AM | 29.7 | 40 | 0.74 | 7.1 | 0.0 | Signal | A | | A |
| MALL BLVD - WB | Hodgeson Memorial to Mall Way | 5006003 | 5006 | 872 | MD | 24.4 | 40 | 0.61 | 10.6 | 4.5 | Signal | B | | B |
| MALL BLVD - WB | Hodgeson Memorial to Mall Way | 5006003 | 5006 | 872 | PM | 19.9 | 40 | 0.50 | 18.4 | 4.7 | Signal | B | | B |
| MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | AM | 9.6 | 40 | 0.24 | 76.1 | 57.5 | Signal | E | Excessive delays back through Mall Way | Consider change in lane use for shared dual left, study addition of NB right turn |
| MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | MD | 15.9 | 40 | 0.40 | 34.4 | 22.0 | Signal | C | | C |
| MALL BLVD - WB | Mall Way to Abercorn | 5006004 | 5006 | 889.8 | PM | 5.0 | 40 | 0.12 | 179.2 | 138.0 | Signal | F | Planned Intersection TIP | Consider change in lane use for shared dual left, study addition of NB right turn |
| EISENHOWER - EB | White Bluff to Abercorn | 5007001 | 5007 | 874.6 | AM | 13.3 | 40 | 0.33 | 28.1 | 9.0 | Signal | C | | C |
| EISENHOWER - EB | White Bluff to Abercorn | 5007001 | 5007 | 874.6 | MD | 15.1 | 40 | 0.38 | 43.4 | 28.0 | Signal | D | West Approach will improve with east side widening | Consider SB continuous flow signal |
| EISENHOWER - EB | White Bluff to Abercorn | 5007001 | 5007 | 874.6 | PM | 5.9 | 40 | 0.15 | 84.2 | 60.8 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| EISENHOWER - EB | Abercorn to Hodgeson Memorial | 5007002 | 5007 | 1679.8 | AM | 21.7 | 40 | 0.54 | 25.8 | 11.5 | Signal | C | | C |
| EISENHOWER - EB | Abercorn to Hodgeson Memorial | 5007002 | 5007 | 1679.8 | MD | 17.0 | 40 | 0.42 | 44.3 | 28.8 | Signal | D | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - EB | Abercorn to Hodgeson Memorial | 5007002 | 5007 | 1679.8 | PM | 10.5 | 40 | 0.26 | 84.5 | 57.0 | Signal | F | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - EB | Hodgeson Memorial to Waters | 5007003 | 5007 | 2707.2 | AM | 27.0 | 40 | 0.68 | 26.6 | 13.8 | Signal | C | | C |
| EISENHOWER - EB | Hodgeson Memorial to Waters | 5007003 | 5007 | 2707.2 | MD | 20.3 | 40 | 0.51 | 57.1 | 37.8 | Signal | E | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - EB | Hodgeson Memorial to Waters | 5007003 | 5007 | 2707.2 | PM | 24.5 | 40 | 0.61 | 33.2 | 18.3 | Signal | C | | C |
| EISENHOWER - EB | Waters to Seawright | 5007004 | 5007 | 1520.6 | AM | 35.0 | 45 | 0.78 | 6.7 | 0.0 | Signal | A | | A |
| EISENHOWER - EB | Waters to Seawright | 5007004 | 5007 | 1520.6 | MD | 32.1 | 45 | 0.71 | 9.2 | 0.3 | Signal | A | | A |
| EISENHOWER - EB | Waters to Seawright | 5007004 | 5007 | 1520.6 | PM | 23.7 | 45 | 0.53 | 21.3 | 4.7 | Signal | C | | C |
| EISENHOWER - EB | Seawright to Sallie Mood | 5007005 | 5007 | 1834.1 | AM | 29.6 | 45 | 0.66 | 15.6 | 6.8 | Signal | B | | B |
| EISENHOWER - EB | Seawright to Sallie Mood | 5007005 | 5007 | 1834.1 | MD | 39.9 | 45 | 0.89 | 3.5 | 0.0 | Signal | A | | A |
| EISENHOWER - EB | Seawright to Sallie Mood | 5007005 | 5007 | 1834.1 | PM | 25.7 | 45 | 0.57 | 25.8 | 9.7 | Signal | C | | C |
| EISENHOWER - EB | Sallie Mood to Skidaway | 5007006 | 5007 | 4273.3 | AM | 35.3 | 45 | 0.78 | 19.9 | 3.5 | Signal | B | | B |
| EISENHOWER - EB | Sallie Mood to Skidaway | 5007006 | 5007 | 4273.3 | MD | 26.9 | 45 | 0.60 | 46.7 | 23.7 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| EISENHOWER - EB | Sallie Mood to Skidaway | 5007006 | 5007 | 4273.3 | PM | 25.8 | 45 | 0.57 | 58.4 | 35.0 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| EISENHOWER - WB | Skidaway to Sallie Mood | 5008002 | 5008 | 4273.3 | AM | 33.0 | 45 | 0.73 | 25.8 | 6.3 | Signal | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|----------------------|----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| EISENHOWER - WB | Skidaway to Sallie Mood | 5008002 | 5008 | 4273.3 | MD | 38.5 | 45 | 0.86 | 11.1 | 0.7 | Signal | B | | B |
| EISENHOWER - WB | Skidaway to Sallie Mood | 5008002 | 5008 | 4273.3 | PM | 41.3 | 45 | 0.92 | 5.9 | 0.0 | Signal | A | | A |
| EISENHOWER - WB | Sallie Mood to Seawright | 5008003 | 5008 | 1834.1 | AM | 31.8 | 45 | 0.71 | 11.8 | 2.0 | Signal | B | | B |
| EISENHOWER - WB | Sallie Mood to Seawright | 5008003 | 5008 | 1834.1 | MD | 36.9 | 45 | 0.82 | 7.2 | 0.7 | Signal | A | | A |
| EISENHOWER - WB | Sallie Mood to Seawright | 5008003 | 5008 | 1834.1 | PM | 35.7 | 45 | 0.79 | 9.0 | 2.7 | Signal | A | | A |
| EISENHOWER - WB | Seawright to Waters | 5008004 | 5008 | 1520.6 | AM | 15.6 | 45 | 0.35 | 48.0 | 28.7 | Signal | D | Delays throughout the corridor to Truman | Coordinate timing throughout corridor |
| EISENHOWER - WB | Seawright to Waters | 5008004 | 5008 | 1520.6 | MD | 16.6 | 45 | 0.37 | 39.1 | 22.7 | Signal | D | Delays throughout the corridor to Truman | Coordinate timing throughout corridor |
| EISENHOWER - WB | Seawright to Waters | 5008004 | 5008 | 1520.6 | PM | 25.0 | 45 | 0.56 | 33.3 | 23.0 | Signal | C | | C |
| EISENHOWER - WB | Waters to Hodgeson Memorial | 5008005 | 5008 | 2707.2 | AM | 28.5 | 40 | 0.71 | 22.7 | 12.0 | Signal | C | | C |
| EISENHOWER - WB | Waters to Hodgeson Memorial | 5008005 | 5008 | 2707.2 | MD | 22.5 | 40 | 0.56 | 50.8 | 31.0 | Signal | D | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - WB | Waters to Hodgeson Memorial | 5008005 | 5008 | 2707.2 | PM | 29.5 | 40 | 0.74 | 18.9 | 9.0 | Signal | B | | B |
| EISENHOWER - WB | Hodgeson Memorial to Abercorn | 5008006 | 5008 | 1679.8 | AM | 24.8 | 40 | 0.62 | 19.4 | 3.7 | Signal | B | | B |
| EISENHOWER - WB | Hodgeson Memorial to Abercorn | 5008006 | 5008 | 1679.8 | MD | 22.7 | 40 | 0.57 | 40.2 | 26.3 | Signal | D | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - WB | Hodgeson Memorial to Abercorn | 5008006 | 5008 | 1679.8 | PM | 14.1 | 40 | 0.35 | 60.8 | 38.0 | Signal | E | Delays throughout the corridor to Truman | Priority IC - Operational between Abercorn and Truman widen to include center turn lane, Coordinate timing throughout corridor |
| EISENHOWER - WB | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | AM | 5.2 | 40 | 0.13 | 99.9 | 79.0 | Signal | F | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| EISENHOWER - WB | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | MD | 9.6 | 40 | 0.24 | 46.9 | 32.5 | Signal | D | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| EISENHOWER - WB | Abercorn to White Bluff | 5008007 | 5008 | 874.6 | PM | 7.6 | 40 | 0.19 | 73.5 | 55.4 | Signal | E | West Approach will improve with east side widening | PI #0002924 will widen to 4L divided between Abercorn and Truman, Consider SB continuous flow signal |
| 52ND ST/MILLS - EB | Victory to Liberty | 5009002 | 5009 | 1108.1 | AM | 22.3 | 40 | 0.56 | 14.9 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - EB | Victory to Liberty | 5009002 | 5009 | 1108.1 | MD | 15.3 | 40 | 0.38 | 32.0 | 5.5 | Signal | C | | C |
| 52ND ST/MILLS - EB | Victory to Liberty | 5009002 | 5009 | 1108.1 | PM | 17.6 | 40 | 0.44 | 23.9 | 1.0 | Signal | C | | C |
| 52ND ST/MILLS - EB | Liberty to Hopkins | 5009003 | 5009 | 6113.7 | AM | 34.6 | 43 | 0.80 | 24.6 | 5.7 | Signal | C | | C |
| 52ND ST/MILLS - EB | Liberty to Hopkins | 5009003 | 5009 | 6113.7 | MD | 37.3 | 43 | 0.86 | 16.3 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - EB | Liberty to Hopkins | 5009003 | 5009 | 6113.7 | PM | 37.5 | 43 | 0.87 | 17.5 | 3.0 | Signal | B | | B |
| 52ND ST/MILLS - EB | Hopkins to Montgomery | 5009004 | 5009 | 2742.1 | AM | 28.5 | 40 | 0.71 | 19.0 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - EB | Hopkins to Montgomery | 5009004 | 5009 | 2742.1 | MD | 30.7 | 40 | 0.77 | 14.5 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - EB | Hopkins to Montgomery | 5009004 | 5009 | 2742.1 | PM | 32.8 | 40 | 0.82 | 10.2 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - WB | Montgomery to Hopkins | 5010002 | 5010 | 2742.1 | AM | 25.7 | 40 | 0.64 | 26.5 | 12.0 | Signal | C | | C |
| 52ND ST/MILLS - WB | Montgomery to Hopkins | 5010002 | 5010 | 2742.1 | MD | 26.9 | 40 | 0.67 | 22.3 | 3.5 | Signal | C | | C |
| 52ND ST/MILLS - WB | Montgomery to Hopkins | 5010002 | 5010 | 2742.1 | PM | 30.7 | 40 | 0.77 | 15.4 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - WB | Hopkins to Liberty | 5010003 | 5010 | 6113.7 | AM | 32.2 | 43 | 0.75 | 33.3 | 8.0 | Signal | C | | C |
| 52ND ST/MILLS - WB | Hopkins to Liberty | 5010003 | 5010 | 6113.7 | MD | 35.2 | 43 | 0.82 | 22.0 | 0.0 | Signal | C | | C |
| 52ND ST/MILLS - WB | Hopkins to Liberty | 5010003 | 5010 | 6113.7 | PM | 30.9 | 43 | 0.72 | 43.6 | 14.8 | Signal | D | Delays between Hopkins and Victory -1 lane approach and short distance between Liberty and Victory | Signal Operations - Coordination between Hopkins and Victory |
| 52ND ST/MILLS - WB | Liberty to Victory | 5010004 | 5010 | 1108 | AM | 12.7 | 40 | 0.32 | 43.2 | 20.3 | Signal | D | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| 52ND ST/MILLS - WB | Liberty to Victory | 5010004 | 5010 | 1108 | MD | 21.9 | 40 | 0.55 | 15.2 | 0.0 | Signal | B | | B |
| 52ND ST/MILLS - WB | Liberty to Victory | 5010004 | 5010 | 1108 | PM | 8.6 | 40 | 0.22 | 68.1 | 42.8 | Signal | E | Preference given to Ogeechee traffic | Signal Operations - Coordination between Liberty and Ogeechee for minimum system delay |
| OGEECHIEE/US 17 - EB | Chatham County Line to Chevis | 5011002 | 5011 | 12142 | AM | 40.9 | 52 | 0.78 | 49.5 | 11.3 | Cross Street | B | | B |
| OGEECHIEE/US 17 - EB | Chatham County Line to Chevis | 5011002 | 5011 | 12142 | MD | 50.4 | 52 | 0.96 | 8.6 | 0.0 | Cross Street | A | | A |
| OGEECHIEE/US 17 - EB | Chatham County Line to Chevis | 5011002 | 5011 | 12142 | PM | 49.1 | 52 | 0.94 | 11.2 | 0.0 | Cross Street | A | | A |
| OGEECHIEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | AM | 25.6 | 45 | 0.57 | 37.4 | 15.8 | Signal | D | Currently under construction | Study next CMS |
| OGEECHIEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | MD | 38.8 | 45 | 0.86 | 8.5 | 1.3 | Signal | A | | A |
| OGEECHIEE/US 17 - EB | Chevis to SH 204 EB Ramp | 5011003 | 5011 | 3154.4 | PM | 22.8 | 45 | 0.51 | 51.9 | 29.4 | Signal | D | Currently under construction | Study next CMS |
| OGEECHIEE/US 17 - EB | SH 204 EB Ramp to SH 204 WB Ramp | 5011004 | 5011 | 971.7 | AM | 41.3 | 45 | 0.92 | 2.1 | 0.0 | Signal | A | | A |
| OGEECHIEE/US 17 - EB | SH 204 EB Ramp to SH 204 WB Ramp | 5011004 | 5011 | 971.7 | MD | 13.8 | 45 | 0.31 | 34.1 | 21.0 | Signal | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|--------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| OGEECHEE/US 17 - EB | SH 204 EB Ramp to SH 204 WB Ramp | 5011004 | 5011 | 971.7 | PM | 34.6 | 45 | 0.77 | 4.5 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | SH 204 WB Ramp to Quacco | 5011005 | 5011 | 6651.8 | AM | 45.6 | 40 | 1.13 | 4.4 | 1.8 | Signal | A | | A |
| OGEECHEE/US 17 - EB | SH 204 WB Ramp to Quacco | 5011005 | 5011 | 6651.8 | MD | 42.6 | 40 | 1.05 | 4.8 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | SH 204 WB Ramp to Quacco | 5011005 | 5011 | 6651.8 | PM | 41.1 | 40 | 1.02 | 4.8 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | Quacco to Garden City City Limit | 5011006 | 5011 | 12561.7 | AM | 45.4 | 45 | 1.01 | 10.5 | 0.0 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Quacco to Garden City City Limit | 5011006 | 5011 | 12561.7 | MD | 43.4 | 45 | 0.96 | 9.1 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | Quacco to Garden City City Limit | 5011006 | 5011 | 12561.7 | PM | 41.8 | 45 | 0.93 | 15.6 | 0.4 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Garden City City Limit to Buckholter | 5011007 | 5011 | 7593.5 | AM | 51.4 | 44 | 1.18 | 0.5 | 0.0 | Cross Street | A | | A |
| OGEECHEE/US 17 - EB | Garden City City Limit to Buckholter | 5011007 | 5011 | 7593.5 | MD | 45.7 | 44 | 1.05 | 0.0 | 0.0 | Cross Street | A | | A |
| OGEECHEE/US 17 - EB | Garden City City Limit to Buckholter | 5011007 | 5011 | 7593.5 | PM | 47.3 | 44 | 1.09 | 0.3 | 0.0 | Cross Street | A | | A |
| OGEECHEE/US 17 - EB | Buckholter to Chatham Pkwy | 5011008 | 5011 | 5927.5 | AM | 50.8 | 45 | 1.13 | 2.3 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | Buckholter to Chatham Pkwy | 5011008 | 5011 | 5927.5 | MD | 47.2 | 45 | 1.05 | 10.4 | 9.0 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Buckholter to Chatham Pkwy | 5011008 | 5011 | 5927.5 | PM | 36.4 | 45 | 0.81 | 28.1 | 18.8 | Signal | C | | C |
| OGEECHEE/US 17 - EB | Chatham Pkwy to Gamble | 5011009 | 5011 | 4079.5 | AM | 48.9 | 45 | 1.09 | 0.7 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | Chatham Pkwy to Gamble | 5011009 | 5011 | 4079.5 | MD | 40.4 | 45 | 0.90 | 11.2 | 3.3 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Chatham Pkwy to Gamble | 5011009 | 5011 | 4079.5 | PM | 39.8 | 45 | 0.88 | 14.0 | 8.6 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Gamble to I-516 EB Ramp | 5011010 | 5011 | 3305.2 | AM | 35.2 | 45 | 0.78 | 14.3 | 7.8 | Signal | B | | B |
| OGEECHEE/US 17 - EB | Gamble to I-516 EB Ramp | 5011010 | 5011 | 3305.2 | MD | 45.3 | 45 | 1.01 | 5.4 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | Gamble to I-516 EB Ramp | 5011010 | 5011 | 3305.2 | PM | 36.8 | 45 | 0.82 | 11.7 | 2.1 | Signal | B | | B |
| OGEECHEE/US 17 - EB | I-516 EB Ramp to I-516 WB Ramp | 5011011 | 5011 | 566.3 | AM | 21.9 | 45 | 0.49 | 12.7 | 5.3 | Signal | B | | B |
| OGEECHEE/US 17 - EB | I-516 EB Ramp to I-516 WB Ramp | 5011011 | 5011 | 566.3 | MD | 44.0 | 45 | 0.98 | 1.7 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - EB | I-516 EB Ramp to I-516 WB Ramp | 5011011 | 5011 | 566.3 | PM | 31.1 | 45 | 0.69 | 5.6 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | I-516 WB Ramp to I-516 EB Ramp | 5012001 | 5012 | 566.3 | AM | 38.5 | 45 | 0.86 | 1.7 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | I-516 WB Ramp to I-516 EB Ramp | 5012001 | 5012 | 566.3 | MD | 45.8 | 45 | 1.02 | 0.0 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | I-516 WB Ramp to I-516 EB Ramp | 5012001 | 5012 | 566.3 | PM | 19.6 | 45 | 0.44 | 15.4 | 7.8 | Signal | B | | B |
| OGEECHEE/US 17 - WB | I-516 EB Ramp to Gamble | 5012002 | 5012 | 3305.2 | AM | 47.2 | 45 | 1.05 | 1.0 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | I-516 EB Ramp to Gamble | 5012002 | 5012 | 3305.2 | MD | 39.6 | 45 | 0.88 | 7.3 | 3.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | I-516 EB Ramp to Gamble | 5012002 | 5012 | 3305.2 | PM | 38.9 | 45 | 0.86 | 8.5 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Gamble to Chatham Pkwy | 5012003 | 5012 | 4079.5 | AM | 34.8 | 45 | 0.77 | 20.4 | 16.7 | Signal | C | | C |
| OGEECHEE/US 17 - WB | Gamble to Chatham Pkwy | 5012003 | 5012 | 4079.5 | MD | 27.5 | 45 | 0.61 | 47.9 | 40.0 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| OGEECHEE/US 17 - WB | Gamble to Chatham Pkwy | 5012003 | 5012 | 4079.5 | PM | 26.2 | 45 | 0.58 | 54.7 | 39.8 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| OGEECHEE/US 17 - WB | Chatham Pkwy to Buckholter | 5012004 | 5012 | 5927.5 | AM | 41.0 | 45 | 0.91 | 9.8 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Chatham Pkwy to Buckholter | 5012004 | 5012 | 5927.5 | MD | 48.4 | 45 | 1.08 | 0.9 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Chatham Pkwy to Buckholter | 5012004 | 5012 | 5927.5 | PM | 39.5 | 45 | 0.88 | 14.2 | 7.0 | Signal | B | | B |
| OGEECHEE/US 17 - WB | Buckholter to Garden City City Limit | 5012005 | 5012 | 7593.4 | AM | 49.6 | 44 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Buckholter to Garden City City Limit | 5012005 | 5012 | 7593.4 | MD | 52.1 | 44 | 1.20 | 0.0 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Buckholter to Garden City City Limit | 5012005 | 5012 | 7593.4 | PM | 46.6 | 44 | 1.07 | 0.0 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | Garden City City Limit to Quacco | 5012006 | 5012 | 12561.7 | AM | 36.1 | 45 | 0.80 | 48.3 | 21.3 | Cross Street | B | | B |
| OGEECHEE/US 17 - WB | Garden City City Limit to Quacco | 5012006 | 5012 | 12561.7 | MD | 38.2 | 45 | 0.85 | 35.2 | 20.0 | Cross Street | B | | B |
| OGEECHEE/US 17 - WB | Garden City City Limit to Quacco | 5012006 | 5012 | 12561.7 | PM | 20.0 | 45 | 0.44 | 324.8 | 85.5 | Cross Street | E | Currently under construction | Study next CMS |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|---|
| OGEECHEE/US 17 - WB | Quacco to SH 204 WB Ramp | 5012007 | 5012 | 6651.9 | AM | 36.3 | 40 | 0.90 | 15.0 | 13.3 | Signal | B | | B |
| OGEECHEE/US 17 - WB | Quacco to SH 204 WB Ramp | 5012007 | 5012 | 6651.9 | MD | 31.4 | 40 | 0.78 | 32.0 | 15.5 | Signal | C | | C |
| OGEECHEE/US 17 - WB | Quacco to SH 204 WB Ramp | 5012007 | 5012 | 6651.9 | PM | 19.0 | 40 | 0.47 | 138.7 | 53.0 | Signal | F | Currently under construction | Study next CMS |
| OGEECHEE/US 17 - WB | SH 204 WB Ramp to SH 204 EB Ramp | 5012008 | 5012 | 971.7 | AM | 36.5 | 45 | 0.81 | 4.5 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | SH 204 WB Ramp to SH 204 EB Ramp | 5012008 | 5012 | 971.7 | MD | 20.5 | 45 | 0.46 | 21.0 | 4.7 | Signal | C | | C |
| OGEECHEE/US 17 - WB | SH 204 WB Ramp to SH 204 EB Ramp | 5012008 | 5012 | 971.7 | PM | 20.4 | 45 | 0.45 | 18.6 | 0.0 | Signal | B | | B |
| OGEECHEE/US 17 - WB | SH 204 EB Ramp to Chevis | 5012009 | 5012 | 3154.4 | AM | 40.5 | 45 | 0.90 | 5.6 | 0.0 | Signal | A | | A |
| OGEECHEE/US 17 - WB | SH 204 EB Ramp to Chevis | 5012009 | 5012 | 3154.4 | MD | 33.3 | 45 | 0.74 | 16.5 | 0.0 | Signal | B | | B |
| OGEECHEE/US 17 - WB | SH 204 EB Ramp to Chevis | 5012009 | 5012 | 3154.4 | PM | 20.4 | 45 | 0.45 | 75.1 | 21.0 | Signal | E | Currently under construction | Study next CMS |
| OGEECHEE/US 17 - WB | Chevis to Chatham County Line | 5012010 | 5012 | 12142 | AM | 44.6 | 52 | 0.85 | 28.8 | 0.0 | Signal | C | | C |
| OGEECHEE/US 17 - WB | Chevis to Chatham County Line | 5012010 | 5012 | 12142 | MD | 46.0 | 52 | 0.88 | 21.7 | 0.0 | Signal | C | | C |
| OGEECHEE/US 17 - WB | Chevis to Chatham County Line | 5012010 | 5012 | 12142 | PM | 47.1 | 52 | 0.90 | 18.1 | 0.0 | Signal | B | | B |
| 37TH ST - EB | 37th St Connector to MLK | 5013002 | 5013 | 1606.8 | AM | 30.4 | 33 | 0.91 | 3.3 | 0.0 | Signal | A | | A |
| 37TH ST - EB | 37th St Connector to MLK | 5013002 | 5013 | 1606.8 | MD | 34.5 | 35 | 0.99 | 0.9 | 0.0 | Signal | A | | A |
| 37TH ST - EB | 37th St Connector to MLK | 5013002 | 5013 | 1606.8 | PM | 21.6 | 35 | 0.62 | 25.2 | 12.0 | Signal | C | | C |
| 37TH ST - EB | MLK to Montgomery | 5013003 | 5013 | 350.4 | AM | 32.7 | 35 | 0.93 | 0.7 | 0.0 | Signal | A | | A |
| 37TH ST - EB | MLK to Montgomery | 5013003 | 5013 | 350.4 | MD | 37.9 | 35 | 1.08 | 0.3 | 0.0 | Signal | A | | A |
| 37TH ST - EB | MLK to Montgomery | 5013003 | 5013 | 350.4 | PM | 17.1 | 35 | 0.49 | 19.2 | 11.5 | Signal | B | | B |
| 37TH ST - EB | Montgomery to Barnard | 5013004 | 5013 | 671.8 | AM | 33.3 | 35 | 0.95 | 1.6 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Montgomery to Barnard | 5013004 | 5013 | 671.8 | MD | 39.5 | 35 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Montgomery to Barnard | 5013004 | 5013 | 671.8 | PM | 30.4 | 35 | 0.87 | 2.5 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Barnard to Whitaker | 5013005 | 5013 | 350.3 | AM | 29.9 | 35 | 0.85 | 1.4 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Barnard to Whitaker | 5013005 | 5013 | 350.3 | MD | 38.3 | 35 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Barnard to Whitaker | 5013005 | 5013 | 350.3 | PM | 29.2 | 35 | 0.84 | 1.2 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Whitaker to Bull | 5013006 | 5013 | 326.9 | AM | 28.5 | 35 | 0.81 | 1.5 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Whitaker to Bull | 5013006 | 5013 | 326.9 | MD | 38.5 | 35 | 1.10 | 0.9 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Whitaker to Bull | 5013006 | 5013 | 326.9 | PM | 32.4 | 35 | 0.92 | 0.7 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Bull to Drayton | 5013007 | 5013 | 409 | AM | 34.9 | 35 | 1.00 | 0.1 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Bull to Drayton | 5013007 | 5013 | 409 | MD | 31.6 | 35 | 0.90 | 1.2 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Bull to Drayton | 5013007 | 5013 | 409 | PM | 30.7 | 35 | 0.88 | 1.4 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Drayton to Abercorn | 5013008 | 5013 | 368.4 | AM | 35.9 | 35 | 1.02 | 0.1 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Drayton to Abercorn | 5013008 | 5013 | 368.4 | MD | 26.5 | 35 | 0.76 | 1.9 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Drayton to Abercorn | 5013008 | 5013 | 368.4 | PM | 23.9 | 35 | 0.68 | 2.9 | 12.0 | Signal | A | | A |
| 37TH ST - EB | Abercorn to Habersham | 5013009 | 5013 | 695.1 | AM | 28.4 | 35 | 0.81 | 4.1 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Abercorn to Habersham | 5013009 | 5013 | 695.1 | MD | 28.4 | 35 | 0.81 | 2.5 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Abercorn to Habersham | 5013009 | 5013 | 695.1 | PM | 25.9 | 35 | 0.74 | 5.2 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Habersham to Price | 5013010 | 5013 | 314.4 | AM | 27.5 | 35 | 0.79 | 1.4 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Habersham to Price | 5013010 | 5013 | 314.4 | MD | 15.2 | 35 | 0.44 | 23.6 | 17.5 | Signal | C | | C |
| 37TH ST - EB | Habersham to Price | 5013010 | 5013 | 314.4 | PM | 23.2 | 35 | 0.66 | 2.3 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Price to Atlantic | 5013011 | 5013 | 1593.6 | AM | 25.3 | 35 | 0.72 | 17.9 | 10.3 | Signal | B | | B |
| 37TH ST - EB | Price to Atlantic | 5013011 | 5013 | 1593.6 | MD | 26.9 | 35 | 0.77 | 10.2 | 0.0 | Signal | B | | B |
| 37TH ST - EB | Price to Atlantic | 5013011 | 5013 | 1593.6 | PM | 28.2 | 35 | 0.81 | 7.4 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Atlantic to Paulsen | 5013012 | 5013 | 735.8 | AM | 26.1 | 35 | 0.74 | 6.1 | 2.8 | Signal | A | | A |
| 37TH ST - EB | Atlantic to Paulsen | 5013012 | 5013 | 735.8 | MD | 34.9 | 35 | 1.00 | 0.5 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Atlantic to Paulsen | 5013012 | 5013 | 735.8 | PM | 21.6 | 35 | 0.62 | 9.6 | 2.8 | Signal | A | | A |
| 37TH ST - EB | Paulsen to Harmon | 5013013 | 5013 | 505.4 | AM | 26.6 | 35 | 0.76 | 3.1 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Paulsen to Harmon | 5013013 | 5013 | 505.4 | MD | 34.8 | 35 | 0.99 | 0.3 | 0.0 | Signal | A | | A |
| 37TH ST - EB | Paulsen to Harmon | 5013013 | 5013 | 505.4 | PM | 27.0 | 35 | 0.77 | 3.1 | 1.8 | Signal | A | | A |
| 37TH ST - EB | Harmon to Waters | 5013014 | 5013 | 759.3 | AM | 19.1 | 35 | 0.55 | 13.6 | 4.5 | Signal | B | | B |
| 37TH ST - EB | Harmon to Waters | 5013014 | 5013 | 759.3 | MD | 17.7 | 35 | 0.51 | 14.4 | 8.5 | Signal | B | | B |
| 37TH ST - EB | Harmon to Waters | 5013014 | 5013 | 759.3 | PM | 23.0 | 35 | 0.66 | 8.1 | 5.3 | Signal | A | | A |
| 37TH ST - EB | Waters to Bee Rd | 5013015 | 5013 | 2817.4 | AM | 20.4 | 35 | 0.58 | 44.5 | 19.5 | Signal | D | Secondary street on fringe of urban core | This is the end of route with a Stop sign, delays acceptable on fringe in this case |
| 37TH ST - EB | Waters to Bee Rd | 5013015 | 5013 | 2817.4 | MD | 26.2 | 35 | 0.75 | 19.0 | 1.0 | Signal | B | | B |
| 37TH ST - EB | Waters to Bee Rd | 5013015 | 5013 | 2817.4 | PM | 25.1 | 35 | 0.72 | 21.5 | 4.8 | Signal | C | | C |
| 37TH ST - WB | Bee Rd to Waters | 5014002 | 5014 | 2817.4 | AM | 28.7 | 35 | 0.82 | 11.9 | 0.0 | TWSC | B | | B |
| 37TH ST - WB | Bee Rd to Waters | 5014002 | 5014 | 2817.4 | MD | 29.0 | 35 | 0.83 | 12.5 | 3.5 | TWSC | B | | B |
| 37TH ST - WB | Bee Rd to Waters | 5014002 | 5014 | 2817.4 | PM | 25.4 | 35 | 0.72 | 22.0 | 4.3 | TWSC | C | | C |
| 37TH ST - WB | Waters to Harmon | 5014003 | 5014 | 759.3 | AM | 27.1 | 35 | 0.78 | 4.7 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Waters to Harmon | 5014003 | 5014 | 759.3 | MD | 27.3 | 35 | 0.78 | 8.3 | 4.0 | Signal | A | | A |
| 37TH ST - WB | Waters to Harmon | 5014003 | 5014 | 759.3 | PM | 22.8 | 35 | 0.65 | 9.4 | 1.8 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|---------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-------------------|--|
| 37TH ST - WB | Harmon to Paulsen | 5014004 | 5014 | 505.5 | AM | 26.1 | 35 | 0.75 | 2.8 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Harmon to Paulsen | 5014004 | 5014 | 505.5 | MD | 35.0 | 35 | 1.00 | 1.5 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Harmon to Paulsen | 5014004 | 5014 | 505.5 | PM | 19.9 | 35 | 0.57 | 11.7 | 6.0 | Signal | B | | B |
| 37TH ST - WB | Paulsen to Atlantic | 5014005 | 5014 | 735.7 | AM | 28.7 | 35 | 0.82 | 3.7 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Paulsen to Atlantic | 5014005 | 5014 | 735.7 | MD | 37.3 | 35 | 1.07 | 1.4 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Paulsen to Atlantic | 5014005 | 5014 | 735.7 | PM | 29.6 | 35 | 0.84 | 3.5 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Atlantic to Price | 5014006 | 5014 | 1593.7 | AM | 22.5 | 35 | 0.64 | 19.8 | 8.3 | Signal | B | | B |
| 37TH ST - WB | Atlantic to Price | 5014006 | 5014 | 1593.7 | MD | 18.8 | 35 | 0.54 | 26.0 | 8.0 | Signal | C | | C |
| 37TH ST - WB | Atlantic to Price | 5014006 | 5014 | 1593.7 | PM | 19.5 | 35 | 0.56 | 25.7 | 17.0 | Signal | C | | C |
| 37TH ST - WB | Price to Habersham | 5014007 | 5014 | 314.3 | AM | 24.1 | 35 | 0.69 | 2.8 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Price to Habersham | 5014007 | 5014 | 314.3 | MD | 13.5 | 35 | 0.39 | 25.1 | 16.5 | Signal | C | | C |
| 37TH ST - WB | Price to Habersham | 5014007 | 5014 | 314.3 | PM | 20.1 | 35 | 0.58 | 4.3 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Habersham to Abercorn | 5014008 | 5014 | 695.2 | AM | 18.0 | 35 | 0.51 | 27.9 | 16.0 | Signal | C | | C |
| 37TH ST - WB | Habersham to Abercorn | 5014008 | 5014 | 695.2 | MD | 14.2 | 35 | 0.41 | 26.9 | 17.3 | Signal | C | | C |
| 37TH ST - WB | Habersham to Abercorn | 5014008 | 5014 | 695.2 | PM | 15.0 | 35 | 0.43 | 27.5 | 22.0 | Signal | C | | C |
| 37TH ST - WB | Abercorn to Drayton | 5014009 | 5014 | 368.3 | AM | 31.7 | 35 | 0.91 | 0.9 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Abercorn to Drayton | 5014009 | 5014 | 368.3 | MD | 25.3 | 35 | 0.72 | 2.8 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Abercorn to Drayton | 5014009 | 5014 | 368.3 | PM | 23.7 | 35 | 0.68 | 3.2 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Drayton to Bull | 5014010 | 5014 | 409 | AM | 35.7 | 35 | 1.02 | 0.6 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Drayton to Bull | 5014010 | 5014 | 409 | MD | 33.0 | 35 | 0.94 | 1.2 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Drayton to Bull | 5014010 | 5014 | 409 | PM | 23.9 | 35 | 0.68 | 4.6 | 0.5 | Signal | A | | A |
| 37TH ST - WB | Bull to Whitaker | 5014011 | 5014 | 327 | AM | 36.4 | 35 | 1.04 | 0.6 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Bull to Whitaker | 5014011 | 5014 | 327 | MD | 33.7 | 35 | 0.96 | 0.2 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Bull to Whitaker | 5014011 | 5014 | 327 | PM | 29.5 | 35 | 0.84 | 0.9 | 8.8 | Signal | A | | A |
| 37TH ST - WB | Whitaker to Barnard | 5014012 | 5014 | 350.3 | AM | 15.3 | 35 | 0.44 | 21.3 | 15.7 | Signal | C | | C |
| 37TH ST - WB | Whitaker to Barnard | 5014012 | 5014 | 350.3 | MD | 21.3 | 35 | 0.61 | 13.6 | 10.5 | Signal | B | | B |
| 37TH ST - WB | Whitaker to Barnard | 5014012 | 5014 | 350.3 | PM | 28.8 | 35 | 0.82 | 1.6 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Barnard to Montgomery | 5014013 | 5014 | 671.8 | AM | 32.0 | 35 | 0.91 | 1.7 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Barnard to Montgomery | 5014013 | 5014 | 671.8 | MD | 31.9 | 35 | 0.91 | 2.1 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Barnard to Montgomery | 5014013 | 5014 | 671.8 | PM | 13.8 | 35 | 0.39 | 31.1 | 19.8 | Signal | C | | C |
| 37TH ST - WB | Montgomery to MLK | 5014014 | 5014 | 350.3 | AM | 32.5 | 35 | 0.93 | 1.4 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Montgomery to MLK | 5014014 | 5014 | 350.3 | MD | 26.4 | 35 | 0.75 | 1.9 | 0.0 | Signal | A | | A |
| 37TH ST - WB | Montgomery to MLK | 5014014 | 5014 | 350.3 | PM | 23.2 | 35 | 0.66 | 3.2 | 0.0 | Signal | A | | A |
| 37TH ST - WB | MLK to 37th St Connector | 5014015 | 5014 | 1606.8 | AM | 35.8 | 35 | 1.02 | 1.3 | 0.0 | Signal | A | | A |
| 37TH ST - WB | MLK to 37th St Connector | 5014015 | 5014 | 1606.8 | MD | 31.0 | 35 | 0.89 | 3.9 | 0.0 | Signal | A | | A |
| 37TH ST - WB | MLK to 37th St Connector | 5014015 | 5014 | 1606.8 | PM | 26.6 | 35 | 0.76 | 9.7 | 1.0 | Signal | A | | A |
| ANDERSON - EB | MLK to Montgomery | 5015002 | 5015 | 362.9 | AM | 18.8 | 30 | 0.63 | 8.2 | 4.2 | Signal | A | | A |
| ANDERSON - EB | MLK to Montgomery | 5015002 | 5015 | 362.9 | MD | 16.7 | 30 | 0.56 | 17.3 | 12.5 | Signal | B | | B |
| ANDERSON - EB | MLK to Montgomery | 5015002 | 5015 | 362.9 | PM | 14.7 | 30 | 0.49 | 16.3 | 10.0 | Signal | B | | B |
| ANDERSON - EB | Montgomery to Jefferson | 5015003 | 5015 | 299.9 | AM | 26.9 | 30 | 0.90 | 0.9 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Montgomery to Jefferson | 5015003 | 5015 | 299.9 | MD | 27.2 | 30 | 0.91 | 1.1 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Montgomery to Jefferson | 5015003 | 5015 | 299.9 | PM | 25.7 | 30 | 0.86 | 0.7 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Jefferson to Barnard | 5015004 | 5015 | 369.4 | AM | 16.4 | 30 | 0.55 | 9.2 | 3.6 | Flashing Yellow | C | | C |
| ANDERSON - EB | Jefferson to Barnard | 5015004 | 5015 | 369.4 | MD | 12.5 | 30 | 0.42 | 11.3 | 4.0 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ANDERSON - EB | Jefferson to Barnard | 5015004 | 5015 | 369.4 | PM | 13.1 | 30 | 0.44 | 11.6 | 3.6 | Flashing Yellow | C | | C |
| ANDERSON - EB | Barnard to Whitaker | 5015005 | 5015 | 373.4 | AM | 21.1 | 30 | 0.70 | 4.2 | 0.2 | Signal | A | | A |
| ANDERSON - EB | Barnard to Whitaker | 5015005 | 5015 | 373.4 | MD | 19.6 | 30 | 0.65 | 3.9 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Barnard to Whitaker | 5015005 | 5015 | 373.4 | PM | 18.1 | 30 | 0.60 | 6.1 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Whitaker to Drayton | 5015006 | 5015 | 712.9 | AM | 14.5 | 30 | 0.48 | 17.5 | 7.8 | Signal | B | | B |
| ANDERSON - EB | Whitaker to Drayton | 5015006 | 5015 | 712.9 | MD | 13.2 | 30 | 0.44 | 20.8 | 13.5 | Signal | C | | C |
| ANDERSON - EB | Whitaker to Drayton | 5015006 | 5015 | 712.9 | PM | 12.3 | 30 | 0.41 | 23.3 | 6.2 | Signal | C | | C |
| ANDERSON - EB | Drayton to Abercorn | 5015007 | 5015 | 346.4 | AM | 27.4 | 30 | 0.91 | 0.5 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Drayton to Abercorn | 5015007 | 5015 | 346.4 | MD | 29.5 | 30 | 0.98 | 0.5 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Drayton to Abercorn | 5015007 | 5015 | 346.4 | PM | 21.2 | 30 | 0.71 | 4.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Abercorn to Lincoln | 5015008 | 5015 | 364.2 | AM | 29.6 | 30 | 0.99 | 0.4 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Abercorn to Lincoln | 5015008 | 5015 | 364.2 | MD | 32.1 | 30 | 1.07 | 0.2 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Abercorn to Lincoln | 5015008 | 5015 | 364.2 | PM | 25.9 | 30 | 0.86 | 1.4 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Lincoln to Habersham | 5015009 | 5015 | 336.1 | AM | 27.2 | 30 | 0.91 | 1.2 | 0.0 | Flashing Yellow | A | | A |
| ANDERSON - EB | Lincoln to Habersham | 5015009 | 5015 | 336.1 | MD | 20.8 | 30 | 0.69 | 3.4 | 0.0 | Flashing Yellow | B | | B |
| ANDERSON - EB | Lincoln to Habersham | 5015009 | 5015 | 336.1 | PM | 23.5 | 30 | 0.78 | 2.2 | 0.0 | Flashing Yellow | B | | B |
| ANDERSON - EB | Habersham to Price | 5015010 | 5015 | 292.9 | AM | 26.7 | 30 | 0.89 | 1.1 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Habersham to Price | 5015010 | 5015 | 292.9 | MD | 29.7 | 30 | 0.99 | 0.4 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Habersham to Price | 5015010 | 5015 | 292.9 | PM | 26.0 | 30 | 0.87 | 0.4 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Price to East Broad St | 5015011 | 5015 | 644.8 | AM | 30.8 | 30 | 1.03 | 0.9 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Price to East Broad St | 5015011 | 5015 | 644.8 | MD | 36.7 | 30 | 1.22 | 0.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Price to East Broad St | 5015011 | 5015 | 644.8 | PM | 27.4 | 30 | 0.91 | 1.9 | 0.0 | Signal | A | | A |
| ANDERSON - EB | East Broad St to Atlantic | 5015012 | 5015 | 976.9 | AM | 29.0 | 28 | 1.02 | 1.1 | 0.0 | Signal | A | | A |
| ANDERSON - EB | East Broad St to Atlantic | 5015012 | 5015 | 976.9 | MD | 34.6 | 30 | 1.15 | 0.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | East Broad St to Atlantic | 5015012 | 5015 | 976.9 | PM | 24.7 | 30 | 0.82 | 4.9 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------------------------|---|
| ANDERSON - EB | Atlantic to Harmon | 5015013 | 5015 | 1230.1 | AM | 34.7 | 35 | 0.99 | 1.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Atlantic to Harmon | 5015013 | 5015 | 1230.1 | MD | 38.1 | 35 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Atlantic to Harmon | 5015013 | 5015 | 1230.1 | PM | 31.2 | 35 | 0.89 | 3.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Harmon to Waters | 5015014 | 5015 | 745.1 | AM | 29.0 | 35 | 0.83 | 3.9 | 0.4 | Signal | A | | A |
| ANDERSON - EB | Harmon to Waters | 5015014 | 5015 | 745.1 | MD | 24.7 | 35 | 0.71 | 6.8 | 1.5 | Signal | A | | A |
| ANDERSON - EB | Harmon to Waters | 5015014 | 5015 | 745.1 | PM | 32.0 | 35 | 0.91 | 2.4 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Waters to Bee Rd | 5015015 | 5015 | 2790.9 | AM | 28.9 | 33 | 0.87 | 15.9 | 9.2 | Signal | B | | B |
| ANDERSON - EB | Waters to Bee Rd | 5015015 | 5015 | 2790.9 | MD | 35.3 | 35 | 1.01 | 0.0 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Waters to Bee Rd | 5015015 | 5015 | 2790.9 | PM | 22.4 | 35 | 0.64 | 33.6 | 22.8 | Signal | C | | C |
| ANDERSON - EB | Bee Rd to Harry Truman NB Ramp | 5015016 | 5015 | 388.1 | AM | 21.4 | 35 | 0.61 | 5.9 | 2.4 | Signal | A | | A |
| ANDERSON - EB | Bee Rd to Harry Truman NB Ramp | 5015016 | 5015 | 388.1 | MD | 32.5 | 35 | 0.93 | 0.9 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Bee Rd to Harry Truman NB Ramp | 5015016 | 5015 | 388.1 | PM | 25.9 | 35 | 0.74 | 2.5 | 0.0 | Signal | A | | A |
| ANDERSON - EB | Harry Truman NB Ramp to Skidaway | 5015017 | 5015 | 1313.1 | AM | 19.6 | 35 | 0.56 | 20.7 | 7.0 | Signal | C | | C |
| ANDERSON - EB | Harry Truman NB Ramp to Skidaway | 5015017 | 5015 | 1313.1 | MD | 13.1 | 35 | 0.38 | 40.6 | 29.0 | Signal | D | Delays due to 5 legged intersection | Skidaway improvements will improve operations |
| ANDERSON - EB | Harry Truman NB Ramp to Skidaway | 5015017 | 5015 | 1313.1 | PM | 18.2 | 35 | 0.52 | 29.1 | 13.8 | Signal | C | | C |
| HENRY - WB | Skidaway to Harry Truman NB Ramp | 5018002 | 5018 | 1310 | AM | 20.8 | 35 | 0.59 | 19.7 | 11.0 | Signal | B | | B |
| HENRY - WB | Skidaway to Harry Truman NB Ramp | 5018002 | 5018 | 1310 | MD | 33.0 | 35 | 0.94 | 1.5 | 0.0 | Signal | A | | A |
| HENRY - WB | Skidaway to Harry Truman NB Ramp | 5018002 | 5018 | 1310 | PM | 28.7 | 35 | 0.82 | 8.4 | 2.0 | Signal | A | | A |
| HENRY - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5018003 | 5018 | 281.5 | AM | 20.7 | 35 | 0.59 | 3.8 | 0.0 | Signal | A | | A |
| HENRY - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5018003 | 5018 | 281.5 | MD | 20.1 | 35 | 0.57 | 16.2 | 12.0 | Signal | B | | B |
| HENRY - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5018003 | 5018 | 281.5 | PM | 27.7 | 35 | 0.79 | 6.6 | 0.0 | Signal | A | | A |
| HENRY - WB | Harry Truman SB Ramp to Waters | 5018004 | 5018 | 2789.7 | AM | 32.9 | 32 | 1.03 | 6.5 | 3.2 | Signal | A | | A |
| HENRY - WB | Harry Truman SB Ramp to Waters | 5018004 | 5018 | 2789.7 | MD | 25.6 | 35 | 0.73 | 20.0 | 14.0 | Signal | B | | B |
| HENRY - WB | Harry Truman SB Ramp to Waters | 5018004 | 5018 | 2789.7 | PM | 31.6 | 35 | 0.90 | 18.9 | 12.3 | Signal | B | | B |
| HENRY - WB | Waters to Harmon | 5018005 | 5018 | 737.2 | AM | 32.0 | 30 | 1.07 | 0.9 | 0.0 | Signal | A | | A |
| HENRY - WB | Waters to Harmon | 5018005 | 5018 | 737.2 | MD | 28.0 | 30 | 0.93 | 1.2 | 0.0 | Signal | A | | A |
| HENRY - WB | Waters to Harmon | 5018005 | 5018 | 737.2 | PM | 36.6 | 30 | 1.22 | 0.7 | 0.0 | Signal | A | | A |
| HENRY - WB | Harmon to Atlantic | 5018006 | 5018 | 1234.3 | AM | 33.7 | 30 | 1.12 | 0.3 | 0.0 | Signal | A | | A |
| HENRY - WB | Harmon to Atlantic | 5018006 | 5018 | 1234.3 | MD | 37.8 | 30 | 1.26 | 0.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Harmon to Atlantic | 5018006 | 5018 | 1234.3 | PM | 34.9 | 30 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Atlantic to East Broad St | 5018007 | 5018 | 962.6 | AM | 15.3 | 29 | 0.53 | 24.2 | 17.8 | CROSS STREET | C | | C |
| HENRY - WB | Atlantic to East Broad St | 5018007 | 5018 | 962.6 | MD | 27.6 | 30 | 0.92 | 4.5 | 3.5 | CROSS STREET | A | | A |
| HENRY - WB | Atlantic to East Broad St | 5018007 | 5018 | 962.6 | PM | 21.3 | 30 | 0.71 | 16.5 | 10.5 | CROSS STREET | B | | B |
| HENRY - WB | East Broad St to Price | 5018008 | 5018 | 648.2 | AM | 27.5 | 30 | 0.92 | 2.3 | 0.0 | Signal | A | | A |
| HENRY - WB | East Broad St to Price | 5018008 | 5018 | 648.2 | MD | 31.3 | 30 | 1.04 | 0.3 | 0.0 | Signal | A | | A |
| HENRY - WB | East Broad St to Price | 5018008 | 5018 | 648.2 | PM | 26.6 | 30 | 0.89 | 1.9 | 0.0 | Signal | A | | A |
| HENRY - WB | Price to Habersham | 5018009 | 5018 | 279.5 | AM | 29.5 | 30 | 0.98 | 0.8 | 0.0 | Signal | A | | A |
| HENRY - WB | Price to Habersham | 5018009 | 5018 | 279.5 | MD | 33.3 | 30 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Price to Habersham | 5018009 | 5018 | 279.5 | PM | 24.9 | 30 | 0.83 | 1.8 | 0.0 | Signal | A | | A |
| HENRY - WB | Habersham to Abercorn | 5018010 | 5018 | 673.3 | AM | 29.0 | 30 | 0.97 | 1.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Habersham to Abercorn | 5018010 | 5018 | 673.3 | MD | 28.3 | 30 | 0.94 | 1.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Habersham to Abercorn | 5018010 | 5018 | 673.3 | PM | 24.7 | 30 | 0.82 | 3.3 | 0.0 | Signal | A | | A |
| HENRY - WB | Abercorn to Drayton | 5018011 | 5018 | 388.3 | AM | 27.6 | 30 | 0.92 | 1.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Abercorn to Drayton | 5018011 | 5018 | 388.3 | MD | 22.5 | 30 | 0.75 | 5.0 | 0.0 | Signal | A | | A |
| HENRY - WB | Abercorn to Drayton | 5018011 | 5018 | 388.3 | PM | 24.0 | 30 | 0.80 | 2.2 | 0.0 | Signal | A | | A |
| HENRY - WB | Drayton to Bull | 5018012 | 5018 | 351.9 | AM | 26.9 | 30 | 0.90 | 1.4 | 0.0 | Signal | A | | A |
| HENRY - WB | Drayton to Bull | 5018012 | 5018 | 351.9 | MD | 26.4 | 30 | 0.88 | 1.7 | 0.0 | Signal | A | | A |
| HENRY - WB | Drayton to Bull | 5018012 | 5018 | 351.9 | PM | 25.3 | 30 | 0.84 | 1.6 | 0.0 | Signal | A | | A |
| HENRY - WB | Bull to Whitaker | 5018013 | 5018 | 367.8 | AM | 23.7 | 30 | 0.79 | 1.7 | 0.0 | Signal | A | | A |
| HENRY - WB | Bull to Whitaker | 5018013 | 5018 | 367.8 | MD | 23.3 | 30 | 0.78 | 2.5 | 0.0 | Signal | A | | A |
| HENRY - WB | Bull to Whitaker | 5018013 | 5018 | 367.8 | PM | 24.9 | 30 | 0.83 | 1.5 | 0.0 | Signal | A | | A |
| HENRY - WB | Whitaker to Barnard | 5018014 | 5018 | 364.9 | AM | 26.6 | 30 | 0.89 | 0.8 | 0.0 | Signal | A | | A |
| HENRY - WB | Whitaker to Barnard | 5018014 | 5018 | 364.9 | MD | 24.1 | 30 | 0.80 | 2.3 | 0.0 | Signal | A | | A |
| HENRY - WB | Whitaker to Barnard | 5018014 | 5018 | 364.9 | PM | 28.9 | 30 | 0.96 | 0.8 | 0.0 | Signal | A | | A |
| HENRY - WB | Barnard to Jefferson | 5018015 | 5018 | 369.4 | AM | 29.3 | 30 | 0.98 | 0.2 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-------------------|--|
| HENRY - WB | Barnard to Jefferson | 5018015 | 5018 | 369.4 | MD | 28.1 | 30 | 0.94 | 0.3 | 0.0 | Signal | A | | A |
| HENRY - WB | Barnard to Jefferson | 5018015 | 5018 | 369.4 | PM | 32.1 | 30 | 1.07 | 0.2 | 0.0 | Signal | A | | A |
| HENRY - WB | Jefferson to Montgomery | 5018016 | 5018 | 303.5 | AM | 19.7 | 30 | 0.66 | 4.1 | 0.6 | Flashing Yellow | B | | B |
| HENRY - WB | Jefferson to Montgomery | 5018016 | 5018 | 303.5 | MD | 25.6 | 30 | 0.85 | 1.7 | 0.0 | Flashing Yellow | A | | A |
| HENRY - WB | Jefferson to Montgomery | 5018016 | 5018 | 303.5 | PM | 25.8 | 30 | 0.86 | 0.3 | 0.0 | Flashing Yellow | A | | A |
| HENRY - WB | Montgomery to MLK | 5018017 | 5018 | 357.6 | AM | 21.8 | 30 | 0.73 | 2.2 | 0.0 | Signal | A | | A |
| HENRY - WB | Montgomery to MLK | 5018017 | 5018 | 357.6 | MD | 19.0 | 30 | 0.63 | 5.7 | 0.0 | Signal | A | | A |
| HENRY - WB | Montgomery to MLK | 5018017 | 5018 | 357.6 | PM | 22.2 | 30 | 0.74 | 2.3 | 0.0 | Signal | A | | A |
| GWINNETT - EB | I-516 to Railroad Crossing | 5019002 | 5019 | 2974.9 | AM | 35.2 | 30 | 1.17 | 0.0 | 0.0 | Signal | A | | A |
| GWINNETT - EB | I-516 to Railroad Crossing | 5019002 | 5019 | 2974.9 | MD | 35.7 | 30 | 1.19 | 0.0 | 0.0 | Signal | A | | A |
| GWINNETT - EB | I-516 to Railroad Crossing | 5019002 | 5019 | 2974.9 | PM | 36.4 | 30 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| GWINNETT - EB | Railroad Crossing to Stiles | 5019003 | 5019 | 3476.9 | AM | 28.3 | 28 | 1.02 | 1.6 | 0.8 | Cross Street | A | | A |
| GWINNETT - EB | Railroad Crossing to Stiles | 5019003 | 5019 | 3476.9 | MD | 27.0 | 28 | 0.97 | 8.5 | 6.7 | Cross Street | A | | A |
| GWINNETT - EB | Railroad Crossing to Stiles | 5019003 | 5019 | 3476.9 | PM | 23.9 | 28 | 0.86 | 20.0 | 8.0 | Cross Street | B | | B |
| GWINNETT - EB | Stiles to I-16 | 5019004 | 5019 | 2076.5 | AM | 28.2 | 35 | 0.80 | 15.6 | 6.0 | Signal | B | | B |
| GWINNETT - EB | Stiles to I-16 | 5019004 | 5019 | 2076.5 | MD | 22.6 | 35 | 0.64 | 22.1 | 5.0 | Signal | C | | C |
| GWINNETT - EB | Stiles to I-16 | 5019004 | 5019 | 2076.5 | PM | 29.4 | 35 | 0.84 | 8.2 | 4.4 | Signal | A | | A |
| GWINNETT - EB | I-16 to May | 5019005 | 5019 | 943 | AM | 31.1 | 35 | 0.89 | 3.1 | 0.5 | Signal | A | | A |
| GWINNETT - EB | I-16 to May | 5019005 | 5019 | 943 | MD | 35.9 | 35 | 1.03 | 2.2 | 0.0 | Signal | A | | A |
| GWINNETT - EB | I-16 to May | 5019005 | 5019 | 943 | PM | 31.6 | 35 | 0.90 | 2.3 | 0.0 | Signal | A | | A |
| GWINNETT - EB | May to MLK | 5019006 | 5019 | 1029.5 | AM | 22.8 | 35 | 0.65 | 14.6 | 6.5 | Signal | B | | B |
| GWINNETT - EB | May to MLK | 5019006 | 5019 | 1029.5 | MD | 18.5 | 35 | 0.53 | 25.3 | 18.0 | Signal | C | | C |
| GWINNETT - EB | May to MLK | 5019006 | 5019 | 1029.5 | PM | 15.3 | 35 | 0.44 | 35.2 | 23.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| GWINNETT - EB | MLK to Montgomery | 5019007 | 5019 | 353.8 | AM | 20.9 | 25 | 0.84 | 2.3 | 0.0 | Signal | A | | A |
| GWINNETT - EB | MLK to Montgomery | 5019007 | 5019 | 353.8 | MD | 13.4 | 25 | 0.54 | 15.3 | 10.7 | Signal | B | | B |
| GWINNETT - EB | MLK to Montgomery | 5019007 | 5019 | 353.8 | PM | 12.0 | 25 | 0.48 | 14.8 | 8.0 | Signal | B | | B |
| GWINNETT - EB | Montgomery to Jefferson | 5019008 | 5019 | 283.5 | AM | 27.5 | 25 | 1.10 | 0.1 | 0.0 | Signal | A | | A |
| GWINNETT - EB | Montgomery to Jefferson | 5019008 | 5019 | 283.5 | MD | 25.0 | 25 | 1.00 | 0.2 | 0.0 | Signal | A | | A |
| GWINNETT - EB | Montgomery to Jefferson | 5019008 | 5019 | 283.5 | PM | 20.3 | 25 | 0.81 | 2.7 | 0.0 | Signal | A | | A |
| GWINNETT - EB | Jefferson to Barnard | 5019009 | 5019 | 367.8 | AM | 17.6 | 25 | 0.71 | 4.1 | 0.8 | Flashing Yellow | C | | C |
| GWINNETT - EB | Jefferson to Barnard | 5019009 | 5019 | 367.8 | MD | 18.7 | 25 | 0.75 | 5.7 | 1.7 | Flashing Yellow | C | | C |
| GWINNETT - EB | Jefferson to Barnard | 5019009 | 5019 | 367.8 | PM | 12.6 | 25 | 0.50 | 11.6 | 5.5 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| GWINNETT - EB | Barnard to Whitaker | 5019010 | 5019 | 374.6 | AM | 16.2 | 25 | 0.65 | 6.5 | 1.0 | AWSC | A | | A |
| GWINNETT - EB | Barnard to Whitaker | 5019010 | 5019 | 374.6 | MD | 16.4 | 25 | 0.65 | 5.0 | 0.0 | AWSC | A | | A |
| GWINNETT - EB | Barnard to Whitaker | 5019010 | 5019 | 374.6 | PM | 11.3 | 25 | 0.45 | 17.7 | 8.5 | AWSC | C | | C |
| GWINNETT - EB | Whitaker to Park Ave | 5019011 | 5019 | 919 | AM | 27.7 | 25 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| GWINNETT - EB | Whitaker to Park Ave | 5019011 | 5019 | 919 | MD | 25.1 | 25 | 1.00 | 1.1 | 0.0 | Cross Street | A | | A |
| GWINNETT - EB | Whitaker to Park Ave | 5019011 | 5019 | 919 | PM | 24.4 | 25 | 0.98 | 3.6 | 2.2 | Cross Street | B | | B |
| GWINNETT - EB | Park Ave to Drayton | 5019013 | 5019 | 922.6 | AM | 23.7 | 25 | 0.95 | 2.2 | 0.0 | Cross Street | B | | B |
| GWINNETT - EB | Park Ave to Drayton | 5019013 | 5019 | 922.6 | MD | 24.4 | 25 | 0.98 | 0.9 | 0.0 | Cross Street | B | | B |
| GWINNETT - EB | Park Ave to Drayton | 5019013 | 5019 | 922.6 | PM | 23.9 | 25 | 0.96 | 2.7 | 0.0 | Cross Street | B | | B |
| GWINNETT - EB | Drayton to Abercorn | 5019014 | 5019 | 352.4 | AM | 13.1 | 25 | 0.52 | 8.9 | 2.5 | TWSC | A | | A |
| GWINNETT - EB | Drayton to Abercorn | 5019014 | 5019 | 352.4 | MD | 15.1 | 25 | 0.60 | 7.2 | 1.7 | TWSC | A | | A |
| GWINNETT - EB | Drayton to Abercorn | 5019014 | 5019 | 352.4 | PM | 10.5 | 25 | 0.42 | 14.1 | 7.8 | TWSC | B | | B |
| GWINNETT - EB | Abercorn to Lincoln | 5019015 | 5019 | 362.6 | AM | 16.6 | 25 | 0.66 | 5.1 | 0.5 | TWSC | A | | A |
| GWINNETT - EB | Abercorn to Lincoln | 5019015 | 5019 | 362.6 | MD | 17.3 | 25 | 0.69 | 4.7 | 0.7 | TWSC | A | | A |
| GWINNETT - EB | Abercorn to Lincoln | 5019015 | 5019 | 362.6 | PM | 14.8 | 25 | 0.59 | 7.5 | 2.0 | TWSC | A | | A |
| GWINNETT - EB | Lincoln to Habersham | 5019016 | 5019 | 310.5 | AM | 13.1 | 25 | 0.52 | 8.4 | 2.0 | AWSC | A | | A |
| GWINNETT - EB | Lincoln to Habersham | 5019016 | 5019 | 310.5 | MD | 13.6 | 25 | 0.54 | 6.0 | 1.7 | AWSC | A | | A |
| GWINNETT - EB | Lincoln to Habersham | 5019016 | 5019 | 310.5 | PM | 10.0 | 25 | 0.40 | 17.4 | 8.3 | AWSC | C | | C |
| GWINNETT - EB | Habersham to Price | 5019017 | 5019 | 298.3 | AM | 15.9 | 25 | 0.64 | 9.7 | 5.7 | AWSC | A | | A |
| GWINNETT - EB | Habersham to Price | 5019017 | 5019 | 298.3 | MD | 21.8 | 25 | 0.87 | 1.1 | 0.0 | AWSC | A | | A |
| GWINNETT - EB | Habersham to Price | 5019017 | 5019 | 298.3 | PM | 13.1 | 25 | 0.53 | 14.2 | 10.5 | AWSC | B | | B |
| GWINNETT - EB | Price to East Broad St | 5019018 | 5019 | 647.3 | AM | 17.8 | 25 | 0.71 | 13.0 | 9.0 | Signal | B | | B |
| GWINNETT - EB | Price to East Broad St | 5019018 | 5019 | 647.3 | MD | 14.8 | 25 | 0.59 | 15.2 | 13.0 | Signal | B | | B |
| GWINNETT - EB | Price to East Broad St | 5019018 | 5019 | 647.3 | PM | 18.1 | 25 | 0.72 | 9.3 | 5.5 | Signal | A | | A |
| GWINNETT - EB | East Broad St to Harmon | 5019019 | 5019 | 2174.1 | AM | 30.9 | 30 | 1.03 | 2.4 | 0.0 | Signal | A | | A |
| GWINNETT - EB | East Broad St to Harmon | 5019019 | 5019 | 2174.1 | MD | 34.9 | 30 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| GWINNETT - EB | East Broad St to Harmon | 5019019 | 5019 | 2174.1 | PM | 32.0 | 30 | 1.07 | 0.3 | 0.0 | Signal | A | | A |
| GWINNETT - EB | Harmon to Waters | 5019020 | 5019 | 735.8 | AM | 24.5 | 30 | 0.82 | 4.5 | 0.3 | Flashing Yellow | B | | B |
| GWINNETT - EB | Harmon to Waters | 5019020 | 5019 | 735.8 | MD | 21.2 | 30 | 0.71 | 7.1 | 3.0 | Flashing Yellow | B | | B |
| GWINNETT - EB | Harmon to Waters | 5019020 | 5019 | 735.8 | PM | 17.3 | 30 | 0.58 | 12.8 | 4.2 | Flashing Yellow | C | | C |
| GWINNETT - EB | Waters to Wheaton | 5019021 | 5019 | 773.1 | AM | 16.6 | 30 | 0.55 | 14.8 | 6.7 | TWSC | B | | B |
| GWINNETT - EB | Waters to Wheaton | 5019021 | 5019 | 773.1 | MD | 19.7 | 30 | 0.66 | 8.2 | 1.0 | TWSC | A | | A |
| GWINNETT - EB | Waters to Wheaton | 5019021 | 5019 | 773.1 | PM | 11.2 | 30 | 0.37 | 30.7 | 17.7 | TWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| GWINNETT - WB | Wheaton to Waters | 5020001 | 5020 | 773.1 | AM | 18.4 | 30 | 0.61 | 9.8 | 0.3 | TWSC | A | | A |
| GWINNETT - WB | Wheaton to Waters | 5020001 | 5020 | 773.1 | MD | 17.0 | 30 | 0.57 | 12.7 | 4.5 | TWSC | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-------------------|--|
| WINNETT - WB | Wheaton to Waters | 5020001 | 5020 | 773.1 | PM | 17.5 | 30 | 0.58 | 11.9 | 1.3 | TWSC | B | | B |
| WINNETT - WB | Waters to Harmon | 5020002 | 5020 | 735.8 | AM | 26.5 | 30 | 0.88 | 2.1 | 0.0 | TWSC | A | | A |
| WINNETT - WB | Waters to Harmon | 5020002 | 5020 | 735.8 | MD | 27.3 | 30 | 0.91 | 2.0 | 0.0 | TWSC | A | | A |
| WINNETT - WB | Waters to Harmon | 5020002 | 5020 | 735.8 | PM | 25.4 | 30 | 0.85 | 3.3 | 0.4 | TWSC | A | | A |
| WINNETT - WB | Harmon to East Broad St | 5020003 | 5020 | 2174.1 | AM | 20.0 | 30 | 0.67 | 25.6 | 15.8 | Flashing Yellow | B | | B |
| WINNETT - WB | Harmon to East Broad St | 5020003 | 5020 | 2174.1 | MD | 23.0 | 30 | 0.77 | 15.0 | 16.5 | Flashing Yellow | B | | B |
| WINNETT - WB | Harmon to East Broad St | 5020003 | 5020 | 2174.1 | PM | 28.6 | 30 | 0.95 | 6.9 | 3.8 | Flashing Yellow | A | | A |
| WINNETT - WB | East Broad St to Price | 5020004 | 5020 | 647.3 | AM | 14.4 | 25 | 0.58 | 13.6 | 6.5 | Signal | B | | B |
| WINNETT - WB | East Broad St to Price | 5020004 | 5020 | 647.3 | MD | 14.1 | 25 | 0.56 | 12.9 | 8.0 | Signal | B | | B |
| WINNETT - WB | East Broad St to Price | 5020004 | 5020 | 647.3 | PM | 16.1 | 25 | 0.64 | 15.5 | 8.9 | Signal | B | | B |
| WINNETT - WB | Price to Habersham | 5020005 | 5020 | 298.3 | AM | 13.2 | 25 | 0.53 | 7.1 | 1.5 | Signal | A | | A |
| WINNETT - WB | Price to Habersham | 5020005 | 5020 | 298.3 | MD | 13.4 | 25 | 0.53 | 7.5 | 3.5 | Signal | A | | A |
| WINNETT - WB | Price to Habersham | 5020005 | 5020 | 298.3 | PM | 11.5 | 25 | 0.46 | 10.9 | 3.9 | Signal | B | | B |
| WINNETT - WB | Habersham to Lincoln | 5020006 | 5020 | 310.5 | AM | 12.3 | 25 | 0.49 | 8.7 | 2.8 | AWSC | A | | A |
| WINNETT - WB | Habersham to Lincoln | 5020006 | 5020 | 310.5 | MD | 13.4 | 25 | 0.54 | 7.8 | 0.0 | AWSC | A | | A |
| WINNETT - WB | Habersham to Lincoln | 5020006 | 5020 | 310.5 | PM | 11.0 | 25 | 0.44 | 11.6 | 2.8 | AWSC | B | | B |
| WINNETT - WB | Lincoln to Abercorn | 5020007 | 5020 | 362.6 | AM | 15.0 | 25 | 0.60 | 7.1 | 0.8 | AWSC | A | | A |
| WINNETT - WB | Lincoln to Abercorn | 5020007 | 5020 | 362.6 | MD | 15.3 | 25 | 0.61 | 5.4 | 1.0 | AWSC | A | | A |
| WINNETT - WB | Lincoln to Abercorn | 5020007 | 5020 | 362.6 | PM | 10.1 | 25 | 0.40 | 16.0 | 9.3 | AWSC | C | | C |
| WINNETT - WB | Abercorn to Drayton | 5020008 | 5020 | 352.4 | AM | 18.4 | 25 | 0.74 | 4.0 | 1.6 | TWSC | A | | A |
| WINNETT - WB | Abercorn to Drayton | 5020008 | 5020 | 352.4 | MD | 20.3 | 25 | 0.81 | 1.9 | 0.0 | TWSC | A | | A |
| WINNETT - WB | Abercorn to Drayton | 5020008 | 5020 | 352.4 | PM | 16.4 | 25 | 0.66 | 7.8 | 3.6 | TWSC | A | | A |
| WINNETT - WB | Drayton to Gaston | 5020009 | 5020 | 1150.6 | AM | 24.7 | 25 | 0.99 | 0.7 | 0.8 | TWSC | A | | A |
| WINNETT - WB | Drayton to Gaston | 5020009 | 5020 | 1150.6 | MD | 21.1 | 25 | 0.84 | 5.9 | 2.5 | TWSC | A | | A |
| WINNETT - WB | Drayton to Gaston | 5020009 | 5020 | 1150.6 | PM | 14.9 | 25 | 0.60 | 22.4 | 12.0 | TWSC | C | | C |
| WINNETT - WB | Gaston to Whitaker | 5020010 | 5020 | 726.5 | AM | 12.5 | 25 | 0.50 | 25.9 | 17.8 | Signal | C | | C |
| WINNETT - WB | Gaston to Whitaker | 5020010 | 5020 | 726.5 | MD | 12.4 | 25 | 0.50 | 24.3 | 13.0 | Signal | C | | C |
| WINNETT - WB | Gaston to Whitaker | 5020010 | 5020 | 726.5 | PM | 13.0 | 25 | 0.52 | 24.1 | 14.1 | Signal | C | | C |
| WINNETT - WB | Whitaker to Whitaker | 5020011 | 5020 | 1158.4 | AM | 24.8 | 25 | 0.99 | 1.9 | 0.0 | Signal | A | | A |
| WINNETT - WB | Whitaker to Whitaker | 5020011 | 5020 | 1158.4 | MD | 26.0 | 25 | 1.04 | 1.4 | 0.0 | Signal | A | | A |
| WINNETT - WB | Whitaker to Whitaker | 5020011 | 5020 | 1158.4 | PM | 24.8 | 25 | 0.99 | 1.2 | 0.0 | Signal | A | | A |
| WINNETT - WB | Whitaker to Barnard | 5020012 | 5020 | 374.6 | AM | 15.5 | 25 | 0.62 | 5.6 | 0.0 | Cross Street | C | | C |
| WINNETT - WB | Whitaker to Barnard | 5020012 | 5020 | 374.6 | MD | 13.9 | 25 | 0.55 | 6.9 | 1.0 | Cross Street | C | | C |
| WINNETT - WB | Whitaker to Barnard | 5020012 | 5020 | 374.6 | PM | 13.2 | 25 | 0.53 | 7.8 | 2.5 | Cross Street | C | | C |
| WINNETT - WB | Barnard to Jefferson | 5020013 | 5020 | 367.8 | AM | 23.3 | 25 | 0.93 | 1.3 | 0.0 | AWSC | A | | A |
| WINNETT - WB | Barnard to Jefferson | 5020013 | 5020 | 367.8 | MD | 25.1 | 25 | 1.00 | 0.2 | 0.0 | AWSC | A | | A |
| WINNETT - WB | Barnard to Jefferson | 5020013 | 5020 | 367.8 | PM | 23.1 | 25 | 0.92 | 0.9 | 0.0 | AWSC | A | | A |
| WINNETT - WB | Jefferson to Montgomery | 5020014 | 5020 | 283.5 | AM | 19.7 | 25 | 0.79 | 3.6 | 2.3 | Flashing Yellow | B | | B |
| WINNETT - WB | Jefferson to Montgomery | 5020014 | 5020 | 283.5 | MD | 28.4 | 25 | 1.14 | 0.7 | 0.0 | Flashing Yellow | A | | A |
| WINNETT - WB | Jefferson to Montgomery | 5020014 | 5020 | 283.5 | PM | 11.9 | 25 | 0.48 | 13.8 | 10.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WINNETT - WB | Montgomery to MLK | 5020015 | 5020 | 353.8 | AM | 24.9 | 25 | 0.99 | 0.2 | 0.0 | Signal | A | | A |
| WINNETT - WB | Montgomery to MLK | 5020015 | 5020 | 353.8 | MD | 7.4 | 25 | 0.30 | 26.6 | 19.0 | Signal | C | | C |
| WINNETT - WB | Montgomery to MLK | 5020015 | 5020 | 353.8 | PM | 8.7 | 25 | 0.35 | 31.6 | 23.5 | Signal | C | | C |
| WINNETT - WB | MLK to May | 5020016 | 5020 | 1029.4 | AM | 22.0 | 35 | 0.63 | 17.8 | 10.0 | Signal | B | | B |
| WINNETT - WB | MLK to May | 5020016 | 5020 | 1029.4 | MD | 28.8 | 35 | 0.82 | 5.0 | 0.7 | Signal | A | | A |
| WINNETT - WB | MLK to May | 5020016 | 5020 | 1029.4 | PM | 29.3 | 35 | 0.84 | 5.6 | 1.3 | Signal | A | | A |
| WINNETT - WB | May to I-16 | 5020017 | 5020 | 943.1 | AM | 28.5 | 35 | 0.81 | 7.2 | 3.5 | Signal | A | | A |
| WINNETT - WB | May to I-16 | 5020017 | 5020 | 943.1 | MD | 35.5 | 35 | 1.01 | 0.6 | 0.0 | Signal | A | | A |
| WINNETT - WB | May to I-16 | 5020017 | 5020 | 943.1 | PM | 25.2 | 35 | 0.72 | 14.1 | 4.0 | Signal | B | | B |
| WINNETT - WB | I-16 to Stiles | 5020018 | 5020 | 2076.5 | AM | 26.0 | 35 | 0.74 | 14.3 | 4.2 | Signal | B | | B |
| WINNETT - WB | I-16 to Stiles | 5020018 | 5020 | 2076.5 | MD | 27.0 | 35 | 0.77 | 14.6 | 4.3 | Signal | B | | B |
| WINNETT - WB | I-16 to Stiles | 5020018 | 5020 | 2076.5 | PM | 25.4 | 35 | 0.72 | 18.6 | 4.9 | Signal | B | | B |
| WINNETT - WB | Stiles to Railroad Crossing | 5020019 | 5020 | 3476.9 | AM | 27.3 | 28 | 0.98 | 2.0 | 0.0 | Signal | A | | A |
| WINNETT - WB | Stiles to Railroad Crossing | 5020019 | 5020 | 3476.9 | MD | 28.0 | 28 | 1.01 | 2.6 | 0.7 | Signal | A | | A |
| WINNETT - WB | Stiles to Railroad Crossing | 5020019 | 5020 | 3476.9 | PM | 25.5 | 28 | 0.92 | 13.9 | 1.7 | Signal | B | | B |
| WINNETT - WB | Railroad Crossing to I-516 | 5020020 | 5020 | 2974.9 | AM | 35.0 | 30 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| WINNETT - WB | Railroad Crossing to I-516 | 5020020 | 5020 | 2974.9 | MD | 36.6 | 30 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| WINNETT - WB | Railroad Crossing to I-516 | 5020020 | 5020 | 2974.9 | PM | 35.1 | 30 | 1.17 | 1.4 | 0.1 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | US 80 to Alfred | 5021002 | 5021 | 3561.5 | AM | 30.9 | 30 | 1.03 | 1.0 | 1.8 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | US 80 to Alfred | 5021002 | 5021 | 3561.5 | MD | 31.9 | 30 | 1.06 | 0.5 | 1.7 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | US 80 to Alfred | 5021002 | 5021 | 3561.5 | PM | 31.2 | 30 | 1.04 | 5.8 | 7.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Alfred to Fair | 5021003 | 5021 | 1072.4 | AM | 18.1 | 30 | 0.60 | 18.1 | 1.8 | Cross Street | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Alfred to Fair | 5021003 | 5021 | 1072.4 | MD | 12.0 | 30 | 0.40 | 35.7 | 1.5 | Cross Street | D | Residential Area | Slow speeds desired in this area with 90 degree turns |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|--|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Alfred to Fair | 5021003 | 5021 | 1072.4 | PM | 23.7 | 30 | 0.79 | 6.3 | 0.0 | Cross Street | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Fair to I-516 | 5021004 | 5021 | 3201.2 | AM | 38.1 | 40 | 0.95 | 6.2 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Fair to I-516 | 5021004 | 5021 | 3201.2 | MD | 34.0 | 40 | 0.85 | 11.5 | 0.0 | Cross Street | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Fair to I-516 | 5021004 | 5021 | 3201.2 | PM | 39.7 | 40 | 0.99 | 2.0 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-516 to East Lathrop | 5021005 | 5021 | 5696.8 | AM | 39.1 | 35 | 1.12 | 0.8 | 7.5 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-516 to East Lathrop | 5021005 | 5021 | 5696.8 | MD | 36.6 | 35 | 1.05 | 2.6 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-516 to East Lathrop | 5021005 | 5021 | 5696.8 | PM | 37.0 | 35 | 1.06 | 4.2 | 9.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Lathrop to Stiles | 5021006 | 5021 | 603.2 | AM | 15.0 | 35 | 0.43 | 19.7 | 9.3 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Lathrop to Stiles | 5021006 | 5021 | 603.2 | MD | 9.7 | 35 | 0.28 | 34.1 | 17.0 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Lathrop to Stiles | 5021006 | 5021 | 603.2 | PM | 9.2 | 35 | 0.26 | 35.8 | 24.0 | Signal | D | Short distance between East Lathrop and Stiles | Signal Operations - Coordinate signals between East Lathrop and Stiles |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Stiles to I-16 | 5021007 | 5021 | 1190.8 | AM | 34.5 | 35 | 0.98 | 2.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Stiles to I-16 | 5021007 | 5021 | 1190.8 | MD | 31.3 | 35 | 0.89 | 2.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Stiles to I-16 | 5021007 | 5021 | 1190.8 | PM | 35.8 | 35 | 1.02 | 1.2 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-16 to West Boundary | 5021008 | 5021 | 1096.5 | AM | 31.6 | 35 | 0.90 | 8.1 | 4.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-16 to West Boundary | 5021008 | 5021 | 1096.5 | MD | 15.2 | 35 | 0.43 | 26.0 | 17.0 | Cross Street | D | Freq right turns | Construct right turn bay to remove turning traffic from 1 lane approach |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | I-16 to West Boundary | 5021008 | 5021 | 1096.5 | PM | 17.3 | 35 | 0.49 | 27.3 | 12.3 | Cross Street | D | Freq right turns | Construct right turn bay to remove turning traffic from 1 lane approach |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | West Boundary to MLK | 5021009 | 5021 | 1483.5 | AM | 15.3 | 35 | 0.44 | 45.9 | 31.0 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | West Boundary to MLK | 5021009 | 5021 | 1483.5 | MD | 19.0 | 35 | 0.54 | 24.2 | 10.0 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | West Boundary to MLK | 5021009 | 5021 | 1483.5 | PM | 13.5 | 35 | 0.39 | 53.4 | 38.5 | Signal | D | Eastbound Delays | Coordinate Westbound traffic between Montgomery and MLK to max efficiency and allow more time for EB |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | MLK to Montgomery | 5021010 | 5021 | 344.3 | AM | 25.0 | 35 | 0.71 | 2.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | MLK to Montgomery | 5021010 | 5021 | 344.3 | MD | 25.0 | 35 | 0.71 | 3.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | MLK to Montgomery | 5021010 | 5021 | 344.3 | PM | 15.4 | 35 | 0.44 | 35.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | AM | 13.9 | 35 | 0.40 | 39.9 | 22.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | MD | 11.5 | 35 | 0.33 | 40.3 | 25.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Montgomery to Whitaker | 5021011 | 5021 | 1044.5 | PM | 12.8 | 35 | 0.37 | 52.0 | 33.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Whitaker to Drayton | 5021012 | 5021 | 736.3 | AM | 11.5 | 35 | 0.33 | 31.2 | 12.0 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Whitaker to Drayton | 5021012 | 5021 | 736.3 | MD | 21.6 | 35 | 0.62 | 9.8 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Whitaker to Drayton | 5021012 | 5021 | 736.3 | PM | 16.5 | 35 | 0.47 | 17.1 | 4.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Drayton to Abercorn | 5021013 | 5021 | 355.6 | AM | 22.1 | 35 | 0.63 | 3.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Drayton to Abercorn | 5021013 | 5021 | 355.6 | MD | 20.5 | 35 | 0.59 | 5.8 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Drayton to Abercorn | 5021013 | 5021 | 355.6 | PM | 24.8 | 35 | 0.71 | 2.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Abercorn to Habersham | 5021014 | 5021 | 662.9 | AM | 21.7 | 35 | 0.62 | 10.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Abercorn to Habersham | 5021014 | 5021 | 662.9 | MD | 30.1 | 35 | 0.86 | 2.2 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Abercorn to Habersham | 5021014 | 5021 | 662.9 | PM | 23.8 | 35 | 0.68 | 6.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|---------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------------------|---|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Habersham to Price | 5021015 | 5021 | 304 | AM | 15.2 | 35 | 0.43 | 11.8 | 5.5 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Habersham to Price | 5021015 | 5021 | 304 | MD | 7.4 | 35 | 0.21 | 23.6 | 17.5 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Habersham to Price | 5021015 | 5021 | 304 | PM | 5.0 | 35 | 0.14 | 41.3 | 24.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Price to East Broad St | 5021016 | 5021 | 647.8 | AM | 19.5 | 35 | 0.56 | 14.4 | 4.8 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Price to East Broad St | 5021016 | 5021 | 647.8 | MD | 24.1 | 35 | 0.69 | 5.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Price to East Broad St | 5021016 | 5021 | 647.8 | PM | 17.1 | 35 | 0.49 | 19.9 | 4.3 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Broad St to Randolph | 5021017 | 5021 | 727.6 | AM | 32.1 | 35 | 0.92 | 1.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Broad St to Randolph | 5021017 | 5021 | 727.6 | MD | 33.6 | 35 | 0.96 | 1.2 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | East Broad St to Randolph | 5021017 | 5021 | 727.6 | PM | 31.0 | 35 | 0.89 | 1.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Randolph to Waters | 5021018 | 5021 | 2968.1 | AM | 30.6 | 35 | 0.88 | 8.3 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Randolph to Waters | 5021018 | 5021 | 2968.1 | MD | 32.8 | 35 | 0.94 | 7.5 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Randolph to Waters | 5021018 | 5021 | 2968.1 | PM | 30.5 | 35 | 0.87 | 10.3 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Waters to Live Oak | 5021019 | 5021 | 943.5 | AM | 20.5 | 35 | 0.58 | 19.5 | 10.3 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Waters to Live Oak | 5021019 | 5021 | 943.5 | MD | 36.3 | 35 | 1.04 | 1.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Waters to Live Oak | 5021019 | 5021 | 943.5 | PM | 34.9 | 35 | 1.00 | 1.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Live Oak to Truman SB | 5021020 | 5021 | 1850.7 | AM | 30.3 | 35 | 0.87 | 5.7 | 0.0 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Live Oak to Truman SB | 5021020 | 5021 | 1850.7 | MD | 33.4 | 35 | 0.95 | 1.8 | 0.0 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Live Oak to Truman SB | 5021020 | 5021 | 1850.7 | PM | 27.7 | 35 | 0.79 | 9.3 | 0.0 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman SB to Truman NB | 5021021 | 5021 | 407.1 | AM | 20.5 | 35 | 0.59 | 7.1 | 3.5 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman SB to Truman NB | 5021021 | 5021 | 407.1 | MD | 32.3 | 35 | 0.92 | 0.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman SB to Truman NB | 5021021 | 5021 | 407.1 | PM | 28.9 | 35 | 0.83 | 3.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman NB to Wheaton | 5021022 | 5021 | 422.3 | AM | 27.4 | 35 | 0.78 | 2.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman NB to Wheaton | 5021022 | 5021 | 422.3 | MD | 26.5 | 35 | 0.76 | 2.2 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - EB | Truman NB to Wheaton | 5021022 | 5021 | 422.3 | PM | 28.8 | 35 | 0.82 | 1.7 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Wheaton to Truman NB | 5022001 | 5022 | 422.3 | AM | 17.0 | 35 | 0.49 | 14.4 | 6.4 | TWSC | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Wheaton to Truman NB | 5022001 | 5022 | 422.3 | MD | 28.7 | 35 | 0.82 | 2.0 | 0.0 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Wheaton to Truman NB | 5022001 | 5022 | 422.3 | PM | 23.9 | 35 | 0.68 | 5.4 | 1.8 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman NB to Truman SB | 5022002 | 5022 | 407 | AM | 28.8 | 35 | 0.82 | 1.5 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman NB to Truman SB | 5022002 | 5022 | 407 | MD | 36.9 | 35 | 1.05 | 0.4 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman NB to Truman SB | 5022002 | 5022 | 407 | PM | 32.7 | 35 | 0.93 | 0.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman SB to Live Oak | 5022003 | 5022 | 1850.7 | AM | 36.1 | 35 | 1.03 | 0.5 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman SB to Live Oak | 5022003 | 5022 | 1850.7 | MD | 42.2 | 35 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Truman SB to Live Oak | 5022003 | 5022 | 1850.7 | PM | 37.1 | 35 | 1.06 | 1.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Live Oak to Waters | 5022004 | 5022 | 943.6 | AM | 24.5 | 35 | 0.70 | 12.7 | 5.8 | TWSC | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Live Oak to Waters | 5022004 | 5022 | 943.6 | MD | 40.6 | 35 | 1.16 | 0.0 | 0.0 | TWSC | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Live Oak to Waters | 5022004 | 5022 | 943.6 | PM | 32.4 | 35 | 0.92 | 5.0 | 2.8 | TWSC | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Waters to Randolph | 5022005 | 5022 | 2968 | AM | 32.3 | 35 | 0.92 | 6.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Waters to Randolph | 5022005 | 5022 | 2968 | MD | 31.2 | 35 | 0.89 | 6.9 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Waters to Randolph | 5022005 | 5022 | 2968 | PM | 33.5 | 35 | 0.96 | 4.7 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | AM | 13.5 | 35 | 0.39 | 26.2 | 13.8 | Cross Street | E | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | MD | 30.4 | 35 | 0.87 | 2.2 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Randolph to East Broad St | 5022006 | 5022 | 727.7 | PM | 15.8 | 35 | 0.45 | 33.4 | 21.3 | Cross Street | D | Canopy - Constrained Corridor, Urban Core | Constrained Corridor - Improvements limited to Optimizing Signals, Delays acceptable in Core |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Broad St to Price | 5022007 | 5022 | 647.8 | AM | 12.3 | 35 | 0.35 | 31.5 | 18.4 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Broad St to Price | 5022007 | 5022 | 647.8 | MD | 16.6 | 35 | 0.47 | 25.4 | 16.0 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Broad St to Price | 5022007 | 5022 | 647.8 | PM | 21.8 | 35 | 0.62 | 9.3 | 2.3 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Price to Habersham | 5022008 | 5022 | 304 | AM | 23.9 | 35 | 0.68 | 2.5 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Price to Habersham | 5022008 | 5022 | 304 | MD | 15.0 | 35 | 0.43 | 15.7 | 9.5 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Price to Habersham | 5022008 | 5022 | 304 | PM | 25.0 | 35 | 0.72 | 3.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Habersham to Abercorn | 5022009 | 5022 | 662.9 | AM | 27.4 | 35 | 0.78 | 3.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Habersham to Abercorn | 5022009 | 5022 | 662.9 | MD | 25.6 | 35 | 0.73 | 4.7 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Habersham to Abercorn | 5022009 | 5022 | 662.9 | PM | 16.8 | 35 | 0.48 | 19.9 | 10.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Abercorn to Drayton | 5022010 | 5022 | 355.6 | AM | 24.3 | 35 | 0.69 | 3.8 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Abercorn to Drayton | 5022010 | 5022 | 355.6 | MD | 6.0 | 35 | 0.17 | 41.0 | 26.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Abercorn to Drayton | 5022010 | 5022 | 355.6 | PM | 21.5 | 35 | 0.61 | 4.2 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Drayton to Whitaker | 5022011 | 5022 | 736.2 | AM | 26.7 | 35 | 0.76 | 4.4 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Drayton to Whitaker | 5022011 | 5022 | 736.2 | MD | 9.2 | 35 | 0.26 | 43.9 | 21.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Drayton to Whitaker | 5022011 | 5022 | 736.2 | PM | 19.1 | 35 | 0.54 | 13.1 | 1.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Whitaker to Montgomery | 5022012 | 5022 | 1044.6 | AM | 17.1 | 35 | 0.49 | 22.4 | 6.8 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Whitaker to Montgomery | 5022012 | 5022 | 1044.6 | MD | 26.6 | 35 | 0.76 | 6.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Whitaker to Montgomery | 5022012 | 5022 | 1044.6 | PM | 20.2 | 35 | 0.58 | 19.3 | 6.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Montgomery to MLK | 5022013 | 5022 | 344.3 | AM | 22.6 | 35 | 0.65 | 3.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Montgomery to MLK | 5022013 | 5022 | 344.3 | MD | 11.7 | 35 | 0.33 | 27.2 | 18.5 | Signal | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Montgomery to MLK | 5022013 | 5022 | 344.3 | PM | 19.2 | 35 | 0.55 | 5.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | MLK to West Boundary | 5022014 | 5022 | 1483.5 | AM | 25.7 | 35 | 0.73 | 11.1 | 3.5 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | MLK to West Boundary | 5022014 | 5022 | 1483.5 | MD | 21.1 | 35 | 0.60 | 18.9 | 6.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | MLK to West Boundary | 5022014 | 5022 | 1483.5 | PM | 25.7 | 35 | 0.74 | 12.6 | 6.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | West Boundary to I-16 | 5022015 | 5022 | 1096.5 | AM | 34.4 | 35 | 0.98 | 1.4 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | West Boundary to I-16 | 5022015 | 5022 | 1096.5 | MD | 34.3 | 35 | 0.98 | 1.3 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | West Boundary to I-16 | 5022015 | 5022 | 1096.5 | PM | 33.0 | 35 | 0.94 | 1.6 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-16 to Stiles | 5022016 | 5022 | 1190.8 | AM | 28.4 | 35 | 0.81 | 11.9 | 8.0 | Cross Street | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------------------|---|
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-16 to Stiles | 5022016 | 5022 | 1190.8 | MD | 34.7 | 35 | 0.99 | 7.7 | 3.5 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-16 to Stiles | 5022016 | 5022 | 1190.8 | PM | 21.2 | 35 | 0.61 | 16.2 | 11.0 | Cross Street | C | | C |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Stiles to East Lathrop | 5022017 | 5022 | 603.2 | AM | 26.9 | 35 | 0.77 | 7.2 | 1.3 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Stiles to East Lathrop | 5022017 | 5022 | 603.2 | MD | 23.8 | 35 | 0.68 | 5.8 | 1.5 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Stiles to East Lathrop | 5022017 | 5022 | 603.2 | PM | 22.4 | 35 | 0.64 | 9.1 | 2.8 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Lathrop to I-516 | 5022018 | 5022 | 5696.8 | AM | 43.3 | 35 | 1.24 | 0.0 | 0.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Lathrop to I-516 | 5022018 | 5022 | 5696.8 | MD | 39.3 | 35 | 1.12 | 0.0 | 3.0 | Signal | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | East Lathrop to I-516 | 5022018 | 5022 | 5696.8 | PM | 31.7 | 35 | 0.91 | 13.1 | 0.0 | Signal | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-516 to Fair | 5022019 | 5022 | 3201.2 | AM | 40.4 | 40 | 1.01 | 1.7 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-516 to Fair | 5022019 | 5022 | 3201.2 | MD | 41.4 | 40 | 1.03 | 0.5 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | I-516 to Fair | 5022019 | 5022 | 3201.2 | PM | 42.4 | 40 | 1.06 | 6.5 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Fair to Alfred | 5022020 | 5022 | 1072.4 | AM | 21.7 | 30 | 0.72 | 9.9 | 1.3 | Cross Street | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Fair to Alfred | 5022020 | 5022 | 1072.4 | MD | 26.1 | 30 | 0.87 | 3.5 | 0.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Fair to Alfred | 5022020 | 5022 | 1072.4 | PM | 19.3 | 30 | 0.64 | 13.0 | 0.0 | Cross Street | B | | B |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Alfred to US 80 | 5022021 | 5022 | 3561.5 | AM | 25.8 | 30 | 0.86 | 15.3 | 17.3 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Alfred to US 80 | 5022021 | 5022 | 3561.5 | MD | 29.5 | 30 | 0.98 | 11.1 | 13.0 | Cross Street | A | | A |
| ALFRED/FAIR/LOUISVILLE/ LIBERTY/WHEATON - WB | Alfred to US 80 | 5022021 | 5022 | 3561.5 | PM | 20.1 | 30 | 0.67 | 42.4 | 38.3 | Cross Street | B | | B |
| OGLETHORPE - EB | Fahm to MLK | 5023002 | 5023 | 954 | AM | 16.8 | 35 | 0.48 | 30.3 | 18.3 | Signal | C | | C |
| OGLETHORPE - EB | Fahm to MLK | 5023002 | 5023 | 954 | MD | 10.8 | 35 | 0.31 | 45.3 | 29.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| OGLETHORPE - EB | Fahm to MLK | 5023002 | 5023 | 954 | PM | 16.9 | 35 | 0.48 | 26.9 | 16.8 | Signal | C | | C |
| OGLETHORPE - EB | MLK to Montgomery | 5023003 | 5023 | 363.1 | AM | 7.8 | 25 | 0.31 | 24.9 | 16.7 | Signal | C | | C |
| OGLETHORPE - EB | MLK to Montgomery | 5023003 | 5023 | 363.1 | MD | 19.4 | 25 | 0.78 | 3.6 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | MLK to Montgomery | 5023003 | 5023 | 363.1 | PM | 18.9 | 25 | 0.76 | 3.2 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Montgomery to Whitaker | 5023004 | 5023 | 1041.8 | AM | 22.6 | 25 | 0.91 | 8.1 | 4.7 | Signal | A | | A |
| OGLETHORPE - EB | Montgomery to Whitaker | 5023004 | 5023 | 1041.8 | MD | 18.1 | 25 | 0.72 | 10.8 | 0.0 | Signal | B | | B |
| OGLETHORPE - EB | Montgomery to Whitaker | 5023004 | 5023 | 1041.8 | PM | 20.0 | 25 | 0.80 | 9.4 | 5.0 | Signal | A | | A |
| OGLETHORPE - EB | Whitaker to Drayton | 5023005 | 5023 | 725.6 | AM | 10.6 | 25 | 0.43 | 29.1 | 22.0 | Signal | C | | C |
| OGLETHORPE - EB | Whitaker to Drayton | 5023005 | 5023 | 725.6 | MD | 17.5 | 25 | 0.70 | 12.2 | 4.0 | Signal | B | | B |
| OGLETHORPE - EB | Whitaker to Drayton | 5023005 | 5023 | 725.6 | PM | 19.7 | 25 | 0.79 | 10.0 | 5.3 | Signal | A | | A |
| OGLETHORPE - EB | Drayton to Abercorn | 5023006 | 5023 | 357.1 | AM | 22.6 | 25 | 0.91 | 1.1 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Drayton to Abercorn | 5023006 | 5023 | 357.1 | MD | 15.4 | 25 | 0.62 | 15.4 | 11.0 | Signal | B | | B |
| OGLETHORPE - EB | Drayton to Abercorn | 5023006 | 5023 | 357.1 | PM | 22.1 | 25 | 0.88 | 2.0 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Abercorn to Habersham | 5023007 | 5023 | 679.9 | AM | 17.3 | 25 | 0.69 | 11.7 | 7.7 | Signal | B | | B |
| OGLETHORPE - EB | Abercorn to Habersham | 5023007 | 5023 | 679.9 | MD | 25.1 | 25 | 1.00 | 0.0 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Abercorn to Habersham | 5023007 | 5023 | 679.9 | PM | 16.6 | 25 | 0.66 | 12.2 | 6.8 | Signal | B | | B |
| OGLETHORPE - EB | Habersham to Price | 5023008 | 5023 | 292.7 | AM | 24.1 | 25 | 0.96 | 0.7 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Habersham to Price | 5023008 | 5023 | 292.7 | MD | 26.2 | 25 | 1.05 | 0.1 | 0.0 | Signal | A | | A |
| OGLETHORPE - EB | Habersham to Price | 5023008 | 5023 | 292.7 | PM | 10.9 | 25 | 0.43 | 17.6 | 10.0 | Signal | B | | B |
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | AM | 8.5 | 25 | 0.34 | 38.1 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | MD | 15.5 | 25 | 0.62 | 11.6 | 6.0 | Signal | B | | B |
| OGLETHORPE - EB | Price to East Broad St | 5023009 | 5023 | 647.8 | PM | 6.1 | 25 | 0.25 | 68.4 | 52.8 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | East Broad St to Price | 5024002 | 5024 | 647.7 | AM | 23.0 | 25 | 0.92 | 1.1 | 0.0 | TWSC | A | | A |
| OGLETHORPE - WB | East Broad St to Price | 5024002 | 5024 | 647.7 | MD | 8.1 | 25 | 0.33 | 36.3 | 24.0 | TWSC | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| OGLETHORPE - WB | East Broad St to Price | 5024002 | 5024 | 647.7 | PM | 22.7 | 25 | 0.91 | 1.6 | 0.0 | TWSC | A | | A |
| OGLETHORPE - WB | Price to Habersham | 5024003 | 5024 | 292.7 | AM | 6.7 | 25 | 0.27 | 25.3 | 19.3 | Signal | C | | C |
| OGLETHORPE - WB | Price to Habersham | 5024003 | 5024 | 292.7 | MD | 9.0 | 25 | 0.36 | 16.1 | 9.0 | Signal | B | | B |
| OGLETHORPE - WB | Price to Habersham | 5024003 | 5024 | 292.7 | PM | 10.2 | 25 | 0.41 | 12.9 | 6.3 | Signal | B | | B |
| OGLETHORPE - WB | Habersham to Abercorn | 5024004 | 5024 | 679.9 | AM | 24.0 | 25 | 0.96 | 0.8 | 0.0 | Signal | A | | A |
| OGLETHORPE - WB | Habersham to Abercorn | 5024004 | 5024 | 679.9 | MD | 22.5 | 25 | 0.90 | 2.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------------------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--------------------------------|---|
| OGLETHORPE - WB | Habersham to Abercorn | 5024004 | 5024 | 679.9 | PM | 22.8 | 25 | 0.91 | 2.0 | 0.0 | Signal | A | | A |
| OGLETHORPE - WB | Abercorn to Drayton | 5024005 | 5024 | 357.1 | AM | 17.1 | 25 | 0.68 | 6.0 | 0.7 | Signal | A | | A |
| OGLETHORPE - WB | Abercorn to Drayton | 5024005 | 5024 | 357.1 | MD | 23.4 | 25 | 0.93 | 1.1 | 0.0 | Signal | A | | A |
| OGLETHORPE - WB | Abercorn to Drayton | 5024005 | 5024 | 357.1 | PM | 20.1 | 25 | 0.80 | 7.3 | 5.3 | Signal | A | | A |
| OGLETHORPE - WB | Drayton to Whitaker | 5024006 | 5024 | 725.7 | AM | 23.6 | 25 | 0.94 | 2.5 | 0.0 | Signal | A | | A |
| OGLETHORPE - WB | Drayton to Whitaker | 5024006 | 5024 | 725.7 | MD | 19.8 | 25 | 0.79 | 13.3 | 6.0 | Signal | B | | B |
| OGLETHORPE - WB | Drayton to Whitaker | 5024006 | 5024 | 725.7 | PM | 14.5 | 25 | 0.58 | 17.4 | 7.5 | Signal | B | | B |
| OGLETHORPE - WB | Whitaker to Montgomery | 5024007 | 5024 | 1041.8 | AM | 11.4 | 25 | 0.46 | 34.8 | 27.3 | Signal | C | | C |
| OGLETHORPE - WB | Whitaker to Montgomery | 5024007 | 5024 | 1041.8 | MD | 15.3 | 25 | 0.61 | 28.5 | 22.0 | Signal | C | | C |
| OGLETHORPE - WB | Whitaker to Montgomery | 5024007 | 5024 | 1041.8 | PM | 11.0 | 25 | 0.44 | 35.9 | 24.8 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| OGLETHORPE - WB | Montgomery to MLK | 5024008 | 5024 | 363 | AM | 3.2 | 25 | 0.13 | 69.7 | 56.3 | Signal | E | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| OGLETHORPE - WB | Montgomery to MLK | 5024008 | 5024 | 363 | MD | 16.8 | 25 | 0.67 | 10.0 | 6.0 | Signal | A | | A |
| OGLETHORPE - WB | Montgomery to MLK | 5024008 | 5024 | 363 | PM | 10.4 | 25 | 0.41 | 14.4 | 6.0 | Signal | B | | B |
| OGLETHORPE - WB | MLK to Fahm | 5024009 | 5024 | 954 | AM | 12.0 | 35 | 0.34 | 38.0 | 23.3 | Signal | D | Short distance between signals | Coordinate signals between Montgomery and Fahm |
| OGLETHORPE - WB | MLK to Fahm | 5024009 | 5024 | 954 | MD | 20.8 | 35 | 0.59 | 21.1 | 11.3 | Signal | C | | C |
| OGLETHORPE - WB | MLK to Fahm | 5024009 | 5024 | 954 | PM | 15.3 | 35 | 0.44 | 33.2 | 17.8 | Signal | C | | C |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Chatham County Line | 5025002 | 5025 | 8557.1 | AM | 74.9 | 70 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Chatham County Line | 5025002 | 5025 | 8557.1 | MD | 72.5 | 70 | 1.04 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Chatham County Line | 5025002 | 5025 | 8557.1 | PM | 70.1 | 70 | 1.00 | 1.9 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Bloomingdale | 5025003 | 5025 | 6535.7 | AM | 73.3 | 70 | 1.05 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Bloomingdale | 5025003 | 5025 | 6535.7 | MD | 76.5 | 70 | 1.09 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Bloomingdale | 5025003 | 5025 | 6535.7 | PM | 72.3 | 70 | 1.03 | 0.5 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bloomingdale to Chatham County Line | 5025004 | 5025 | 6685.7 | AM | 74.4 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bloomingdale to Chatham County Line | 5025004 | 5025 | 6685.7 | MD | 74.0 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bloomingdale to Chatham County Line | 5025004 | 5025 | 6685.7 | PM | 69.6 | 65 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Pooler Pkwy | 5025005 | 5025 | 7946.4 | AM | 73.5 | 65 | 1.13 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Pooler Pkwy | 5025005 | 5025 | 7946.4 | MD | 72.9 | 65 | 1.12 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham County Line to Pooler Pkwy | 5025005 | 5025 | 7946.4 | PM | 72.5 | 65 | 1.12 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Pooler Pkwy to I-95 | 5025006 | 5025 | 11121.6 | AM | 71.7 | 65 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Pooler Pkwy to I-95 | 5025006 | 5025 | 11121.6 | MD | 72.4 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Pooler Pkwy to I-95 | 5025006 | 5025 | 11121.6 | PM | 70.7 | 65 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | I-95 to Dean Forest | 5025007 | 5025 | 13520.7 | AM | 63.8 | 65 | 0.98 | 10.3 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | I-95 to Dean Forest | 5025007 | 5025 | 13520.7 | MD | 72.2 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | I-95 to Dean Forest | 5025007 | 5025 | 13520.7 | PM | 69.8 | 65 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Dean Forest to Chatham Pkwy | 5025008 | 5025 | 13084.3 | AM | 66.2 | 65 | 1.02 | 1.2 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Dean Forest to Chatham Pkwy | 5025008 | 5025 | 13084.3 | MD | 68.7 | 65 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Dean Forest to Chatham Pkwy | 5025008 | 5025 | 13084.3 | PM | 67.3 | 65 | 1.04 | 1.3 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham Pkwy to Lynns Pkwy | 5025009 | 5025 | 8225.6 | AM | 66.0 | 55 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham Pkwy to Lynns Pkwy | 5025009 | 5025 | 8225.6 | MD | 62.0 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Chatham Pkwy to Lynns Pkwy | 5025009 | 5025 | 8225.6 | PM | 62.0 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Lynns Pkwy to Stiles | 5025010 | 5025 | 5743.2 | AM | 63.5 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------------------------------------|---|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Lynns Pkwy to Stiles | 5025010 | 5025 | 5743.2 | MD | 62.9 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Lynns Pkwy to Stiles | 5025010 | 5025 | 5743.2 | PM | 58.6 | 55 | 1.06 | 0.1 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Stiles to Gwinnett | 5025011 | 5025 | 3607.6 | AM | 57.2 | 55 | 1.04 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Stiles to Gwinnett | 5025011 | 5025 | 3607.6 | MD | 58.3 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Stiles to Gwinnett | 5025011 | 5025 | 3607.6 | PM | 52.7 | 55 | 0.96 | 3.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Gwinnett to Louisville | 5025012 | 5025 | 3307.7 | AM | 55.0 | 45 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Gwinnett to Louisville | 5025012 | 5025 | 3307.7 | MD | 54.2 | 45 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Gwinnett to Louisville | 5025012 | 5025 | 3307.7 | PM | 53.4 | 45 | 1.19 | 0.5 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Louisville to Bay St | 5025013 | 5025 | 2569.7 | AM | 59.1 | 45 | 1.31 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Louisville to Bay St | 5025013 | 5025 | 2569.7 | MD | 59.8 | 45 | 1.33 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Louisville to Bay St | 5025013 | 5025 | 2569.7 | PM | 54.6 | 45 | 1.21 | 0.4 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bay St to Center of Bridge | 5025014 | 5025 | 2087 | AM | 57.8 | 45 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bay St to Center of Bridge | 5025014 | 5025 | 2087 | MD | 54.6 | 45 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Bay St to Center of Bridge | 5025014 | 5025 | 2087 | PM | 50.7 | 45 | 1.13 | 0.4 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Center of Bridge to Chatham County Line | 5025015 | 5025 | 5138.5 | AM | 58.3 | 45 | 1.30 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Center of Bridge to Chatham County Line | 5025015 | 5025 | 5138.5 | MD | 52.3 | 45 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - EB | Center of Bridge to Chatham County Line | 5025015 | 5025 | 5138.5 | PM | 53.9 | 45 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Center of Bridge | 5026002 | 5026 | 5138.6 | AM | 59.3 | 45 | 1.32 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Center of Bridge | 5026002 | 5026 | 5138.6 | MD | 57.7 | 45 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Center of Bridge | 5026002 | 5026 | 5138.6 | PM | 51.1 | 45 | 1.14 | 1.2 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Center of Bridge to Bay St | 5026003 | 5026 | 2086.9 | AM | 62.9 | 45 | 1.40 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Center of Bridge to Bay St | 5026003 | 5026 | 2086.9 | MD | 59.3 | 45 | 1.32 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Center of Bridge to Bay St | 5026003 | 5026 | 2086.9 | PM | 52.5 | 45 | 1.17 | 0.2 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bay St to Louisville | 5026004 | 5026 | 2569.7 | AM | 63.3 | 45 | 1.41 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bay St to Louisville | 5026004 | 5026 | 2569.7 | MD | 63.7 | 45 | 1.42 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bay St to Louisville | 5026004 | 5026 | 2569.7 | PM | 58.2 | 45 | 1.29 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Louisville to Gwinnett | 5026005 | 5026 | 3328.7 | AM | 56.9 | 45 | 1.26 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Louisville to Gwinnett | 5026005 | 5026 | 3328.7 | MD | 53.2 | 45 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Louisville to Gwinnett | 5026005 | 5026 | 3328.7 | PM | 51.0 | 45 | 1.13 | 0.1 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Gwinnett to Stiles | 5026006 | 5026 | 3257.8 | AM | 64.6 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Gwinnett to Stiles | 5026006 | 5026 | 3257.8 | MD | 60.1 | 55 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Gwinnett to Stiles | 5026006 | 5026 | 3257.8 | PM | 53.6 | 55 | 0.97 | 1.7 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Stiles to Lynns Pkwy | 5026007 | 5026 | 5725.1 | AM | 63.5 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Stiles to Lynns Pkwy | 5026007 | 5026 | 5725.1 | MD | 63.4 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Stiles to Lynns Pkwy | 5026007 | 5026 | 5725.1 | PM | 55.4 | 55 | 1.01 | 0.7 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------------------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Lynns Pkwy to Chatham Pkwy | 5026008 | 5026 | 8316.4 | AM | 63.1 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Lynns Pkwy to Chatham Pkwy | 5026008 | 5026 | 8316.4 | MD | 62.3 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Lynns Pkwy to Chatham Pkwy | 5026008 | 5026 | 8316.4 | PM | 55.3 | 55 | 1.01 | 1.3 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham Pkwy to Dean Forest | 5026009 | 5026 | 13084.4 | AM | 67.4 | 65 | 1.04 | 0.7 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham Pkwy to Dean Forest | 5026009 | 5026 | 13084.4 | MD | 66.5 | 65 | 1.02 | 0.1 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham Pkwy to Dean Forest | 5026009 | 5026 | 13084.4 | PM | 59.4 | 65 | 0.91 | 14.8 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Dean Forest to I-95 | 5026010 | 5026 | 13520.6 | AM | 68.9 | 65 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Dean Forest to I-95 | 5026010 | 5026 | 13520.6 | MD | 68.7 | 65 | 1.06 | 1.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Dean Forest to I-95 | 5026010 | 5026 | 13520.6 | PM | 59.9 | 65 | 0.92 | 12.4 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | I-95 to Pooler Pkwy | 5026011 | 5026 | 11121.6 | AM | 71.9 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | I-95 to Pooler Pkwy | 5026011 | 5026 | 11121.6 | MD | 72.2 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | I-95 to Pooler Pkwy | 5026011 | 5026 | 11121.6 | PM | 65.7 | 65 | 1.01 | 2.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Pooler Pkwy to Chatham County Line | 5026012 | 5026 | 7946.5 | AM | 72.8 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Pooler Pkwy to Chatham County Line | 5026012 | 5026 | 7946.5 | MD | 72.6 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Pooler Pkwy to Chatham County Line | 5026012 | 5026 | 7946.5 | PM | 65.5 | 65 | 1.01 | 2.7 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Bloomingdale | 5026013 | 5026 | 6685.6 | AM | 71.8 | 65 | 1.10 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Bloomingdale | 5026013 | 5026 | 6685.6 | MD | 72.8 | 65 | 1.12 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Bloomingdale | 5026013 | 5026 | 6685.6 | PM | 67.5 | 65 | 1.04 | 0.7 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bloomingdale to Chatham County Line | 5026014 | 5026 | 6535.7 | AM | 73.1 | 70 | 1.04 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bloomingdale to Chatham County Line | 5026014 | 5026 | 6535.7 | MD | 76.1 | 70 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Bloomingdale to Chatham County Line | 5026014 | 5026 | 6535.7 | PM | 66.6 | 70 | 0.95 | 3.3 | 0.0 | Cross Street | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Chatham County Line | 5026015 | 5026 | 8557.1 | AM | 72.5 | 70 | 1.04 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Chatham County Line | 5026015 | 5026 | 8557.1 | MD | 73.2 | 70 | 1.05 | 0.0 | 0.0 | City Limit | A | | A |
| I 16/TALMADGE MEMORIAL BRIDGE - WB | Chatham County Line to Chatham County Line | 5026015 | 5026 | 8557.1 | PM | 67.5 | 70 | 0.96 | 3.9 | 0.0 | City Limit | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Effingham County to Jimmy Deloach | 5027001 | 5027 | 7829.1 | AM | 54.5 | 55 | 0.99 | 0.9 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Effingham County to Jimmy Deloach | 5027001 | 5027 | 7829.1 | MD | 52.9 | 55 | 0.96 | 3.9 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Effingham County to Jimmy Deloach | 5027001 | 5027 | 7829.1 | PM | 47.0 | 55 | 0.85 | 16.7 | 0.0 | Signal | B | | B |
| US 80 - EB (STAGECOACH TO BAY ST) | Jimmy Deloach to US 17 | 5027002 | 5027 | 2692.8 | AM | 49.0 | 45 | 1.09 | 0.1 | 0.0 | TWSC | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Jimmy Deloach to US 17 | 5027002 | 5027 | 2692.8 | MD | 53.5 | 45 | 1.19 | 0.0 | 0.0 | TWSC | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Jimmy Deloach to US 17 | 5027002 | 5027 | 2692.8 | PM | 40.9 | 45 | 0.91 | 4.2 | 0.0 | TWSC | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | US 17 to Pooler Pkwy | 5027003 | 5027 | 10745.2 | AM | 46.0 | 45 | 1.02 | 8.5 | 6.8 | Cross Street | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | US 17 to Pooler Pkwy | 5027003 | 5027 | 10745.2 | MD | 52.7 | 45 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | US 17 to Pooler Pkwy | 5027003 | 5027 | 10745.2 | PM | 43.9 | 45 | 0.98 | 5.6 | 8.0 | Cross Street | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Pooler Pkwy to Begin Split for one way | 5027004 | 5027 | 3575.9 | AM | 46.7 | 35 | 1.33 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Pooler Pkwy to Begin Split for one way | 5027004 | 5027 | 3575.9 | MD | 49.4 | 35 | 1.41 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-----------------------------------|---|
| US 80 - EB (STAGECOACH TO BAY ST) | Pooler Pkwy to Begin Split for one way | 5027004 | 5027 | 3575.9 | PM | 45.1 | 35 | 1.29 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Begin Split for one way to Rogers | 5027005 | 5027 | 3064.4 | AM | 21.1 | 35 | 0.60 | 42.4 | 33.3 | Cross Street | C | | C |
| US 80 - EB (STAGECOACH TO BAY ST) | Begin Split for one way to Rogers | 5027005 | 5027 | 3064.4 | MD | 36.9 | 35 | 1.05 | 0.0 | 0.0 | Cross Street | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Begin Split for one way to Rogers | 5027005 | 5027 | 3064.4 | PM | 28.5 | 35 | 0.81 | 17.8 | 10.7 | Cross Street | B | | B |
| US 80 - EB (STAGECOACH TO BAY ST) | Rogers to Parsons | 5027006 | 5027 | 2692.8 | AM | 32.2 | 45 | 0.72 | 20.0 | 7.3 | Cross Street | C | | C |
| US 80 - EB (STAGECOACH TO BAY ST) | Rogers to Parsons | 5027006 | 5027 | 2692.8 | MD | 42.9 | 45 | 0.95 | 2.0 | 0.0 | Cross Street | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Rogers to Parsons | 5027006 | 5027 | 2692.8 | PM | 36.6 | 45 | 0.81 | 10.0 | 2.7 | Cross Street | B | | B |
| US 80 - EB (STAGECOACH TO BAY ST) | Parsons to I-95 NB Ramp | 5027007 | 5027 | 1235.3 | AM | 41.4 | 45 | 0.92 | 1.6 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Parsons to I-95 NB Ramp | 5027007 | 5027 | 1235.3 | MD | 17.0 | 45 | 0.38 | 32.7 | 16.3 | Signal | C | | C |
| US 80 - EB (STAGECOACH TO BAY ST) | Parsons to I-95 NB Ramp | 5027007 | 5027 | 1235.3 | PM | 37.4 | 45 | 0.83 | 3.7 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | I-95 NB Ramp to Coleman | 5027008 | 5027 | 3267.5 | AM | 46.9 | 45 | 1.04 | 0.3 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | I-95 NB Ramp to Coleman | 5027008 | 5027 | 3267.5 | MD | 39.3 | 45 | 0.87 | 7.6 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | I-95 NB Ramp to Coleman | 5027008 | 5027 | 3267.5 | PM | 45.1 | 45 | 1.00 | 0.5 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Coleman to SH 307 - Bourne | 5027009 | 5027 | 11600.2 | AM | 50.1 | 50 | 1.00 | 6.5 | 8.5 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Coleman to SH 307 - Bourne | 5027009 | 5027 | 11600.2 | MD | 52.3 | 50 | 1.05 | 1.5 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Coleman to SH 307 - Bourne | 5027009 | 5027 | 11600.2 | PM | 44.7 | 50 | 0.89 | 18.6 | 0.0 | Signal | B | | B |
| US 80 - EB (STAGECOACH TO BAY ST) | SH 307 - Bourne to Heidt | 5027010 | 5027 | 11979.2 | AM | 46.9 | 45 | 1.04 | 3.4 | 9.7 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | SH 307 - Bourne to Heidt | 5027010 | 5027 | 11979.2 | MD | 48.1 | 45 | 1.07 | 0.0 | 4.3 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | SH 307 - Bourne to Heidt | 5027010 | 5027 | 11979.2 | PM | 46.0 | 45 | 1.02 | 3.7 | 8.7 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Heidt to Alfred | 5027011 | 5027 | 3726.8 | AM | 51.6 | 35 | 1.48 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Heidt to Alfred | 5027011 | 5027 | 3726.8 | MD | 44.9 | 35 | 1.28 | 0.0 | 2.3 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Heidt to Alfred | 5027011 | 5027 | 3726.8 | PM | 42.3 | 35 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - EB (STAGECOACH TO BAY ST) | Alfred to Burnsed | 5027012 | 5027 | 2450.6 | AM | 22.5 | 35 | 0.64 | 26.5 | 26.7 | Signal | C | | C |
| US 80 - EB (STAGECOACH TO BAY ST) | Alfred to Burnsed | 5027012 | 5027 | 2450.6 | MD | 26.4 | 35 | 0.75 | 30.4 | 26.7 | Signal | C | | C |
| US 80 - EB (STAGECOACH TO BAY ST) | Alfred to Burnsed | 5027012 | 5027 | 2450.6 | PM | 33.2 | 35 | 0.95 | 4.8 | 2.3 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Burnsed to Alfred | 5028001 | 5028 | 2450.6 | AM | 32.8 | 35 | 0.94 | 8.5 | 6.3 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Burnsed to Alfred | 5028001 | 5028 | 2450.6 | MD | 38.5 | 35 | 1.10 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Burnsed to Alfred | 5028001 | 5028 | 2450.6 | PM | 24.7 | 35 | 0.71 | 19.5 | 8.3 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Alfred to Heidt | 5028002 | 5028 | 3726.8 | AM | 41.2 | 35 | 1.18 | 1.9 | 2.5 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Alfred to Heidt | 5028002 | 5028 | 3726.8 | MD | 55.6 | 35 | 1.59 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Alfred to Heidt | 5028002 | 5028 | 3726.8 | PM | 42.8 | 35 | 1.22 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Heidt to SH 307 - Bourne | 5028003 | 5028 | 11979.2 | AM | 45.0 | 45 | 1.00 | 13.7 | 13.3 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Heidt to SH 307 - Bourne | 5028003 | 5028 | 11979.2 | MD | 47.1 | 45 | 1.05 | 22.4 | 26.5 | Signal | C | | C |
| US 80 - WB (BAY ST TO STAGECOACH) | Heidt to SH 307 - Bourne | 5028003 | 5028 | 11979.2 | PM | 37.5 | 45 | 0.83 | 38.7 | 33.0 | Signal | D | Excessive delay at Dean Forest Rd | All the delay occurs at the intersection and it appears this could be minimized through signal optimization |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|---|
| US 80 - WB (BAY ST TO STAGECOACH) | SH 307 - Bourne to Coleman | 5028004 | 5028 | 11600.3 | AM | 49.7 | 50 | 0.99 | 5.9 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | SH 307 - Bourne to Coleman | 5028004 | 5028 | 11600.3 | MD | 52.3 | 50 | 1.05 | 1.9 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | SH 307 - Bourne to Coleman | 5028004 | 5028 | 11600.3 | PM | 45.4 | 50 | 0.91 | 16.0 | 1.0 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | AM | 23.6 | 45 | 0.52 | 45.6 | 31.7 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| US 80 - WB (BAY ST TO STAGECOACH) | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | MD | 23.2 | 45 | 0.52 | 46.1 | 34.5 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| US 80 - WB (BAY ST TO STAGECOACH) | Coleman to I-95 NB Ramp | 5028005 | 5028 | 3267.4 | PM | 26.4 | 45 | 0.59 | 38.4 | 16.8 | Signal | D | Signal not coordinated with Coleman or Rogers | Coordinate signals between Coleman and Rogers, need to account for Auto Plant |
| US 80 - WB (BAY ST TO STAGECOACH) | I-95 NB Ramp to Parsons | 5028006 | 5028 | 1235.3 | AM | 28.2 | 45 | 0.63 | 14.9 | 5.7 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | I-95 NB Ramp to Parsons | 5028006 | 5028 | 1235.3 | MD | 32.9 | 45 | 0.73 | 6.6 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | I-95 NB Ramp to Parsons | 5028006 | 5028 | 1235.3 | PM | 34.4 | 45 | 0.77 | 5.8 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Parsons to Rogers | 5028007 | 5028 | 2662 | AM | 42.3 | 45 | 0.94 | 2.6 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Parsons to Rogers | 5028007 | 5028 | 2662 | MD | 30.8 | 45 | 0.68 | 18.8 | 3.5 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Parsons to Rogers | 5028007 | 5028 | 2662 | PM | 22.2 | 45 | 0.49 | 44.6 | 18.0 | Signal | D | Poor signal coordination between I-95 and Rogers | Coordinate signals between I-95 and Rogers |
| US 80 - WB (BAY ST TO STAGECOACH) | Rogers to Begin Split for one way | 5028008 | 5028 | 2936.9 | AM | 41.1 | 35 | 1.17 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Rogers to Begin Split for one way | 5028008 | 5028 | 2936.9 | MD | 31.5 | 35 | 0.90 | 17.7 | 11.0 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Rogers to Begin Split for one way | 5028008 | 5028 | 2936.9 | PM | 35.2 | 35 | 1.01 | 1.2 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Begin Split for one way to Pooler Pkwy | 5028009 | 5028 | 3575.8 | AM | 31.5 | 35 | 0.90 | 15.6 | 12.3 | Cross Street | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Begin Split for one way to Pooler Pkwy | 5028009 | 5028 | 3575.8 | MD | 43.0 | 35 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Begin Split for one way to Pooler Pkwy | 5028009 | 5028 | 3575.8 | PM | 31.7 | 35 | 0.91 | 13.7 | 9.0 | Cross Street | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Pooler Pkwy to US 17 | 5028010 | 5028 | 10745.2 | AM | 46.3 | 45 | 1.03 | 4.4 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Pooler Pkwy to US 17 | 5028010 | 5028 | 10745.2 | MD | 48.8 | 45 | 1.08 | 0.0 | 0.0 | Signal | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | Pooler Pkwy to US 17 | 5028010 | 5028 | 10745.2 | PM | 41.7 | 45 | 0.93 | 17.4 | 0.6 | Signal | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | US 17 to Jimmy Deloach | 5028011 | 5028 | 2692.9 | AM | 48.2 | 45 | 1.07 | 0.7 | 0.0 | Cross Street | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | US 17 to Jimmy Deloach | 5028011 | 5028 | 2692.9 | MD | 47.6 | 45 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| US 80 - WB (BAY ST TO STAGECOACH) | US 17 to Jimmy Deloach | 5028011 | 5028 | 2692.9 | PM | 38.2 | 45 | 0.85 | 7.3 | 0.0 | Cross Street | B | | B |
| US 80 - WB (BAY ST TO STAGECOACH) | Jimmy Deloach to Effingham County | 5028012 | 5028 | 7829.1 | AM | 46.3 | 55 | 0.84 | 18.3 | 0.0 | TWSC | C | | C |
| US 80 - WB (BAY ST TO STAGECOACH) | Jimmy Deloach to Effingham County | 5028012 | 5028 | 7829.1 | MD | 46.9 | 55 | 0.85 | 16.8 | 0.0 | TWSC | C | | C |
| US 80 - WB (BAY ST TO STAGECOACH) | Jimmy Deloach to Effingham County | 5028012 | 5028 | 7829.1 | PM | 39.8 | 55 | 0.72 | 38.6 | 0.0 | TWSC | E | Minor Delays in the PM Period | Priority 1 - Widen from 2-5 lanes from County Line to Cherry |
| JIMMY DELOACH - EB | US 80 to Prescott | 5029001 | 5029 | 6215.1 | AM | 45.4 | 55 | 0.83 | 36.0 | 0.0 | TWSC | E | No delays observed, just slow start-ups from US 80 | No improvements necessary |
| JIMMY DELOACH - EB | US 80 to Prescott | 5029001 | 5029 | 6215.1 | MD | 53.3 | 55 | 0.97 | 4.3 | 0.0 | TWSC | A | | A |
| JIMMY DELOACH - EB | US 80 to Prescott | 5029001 | 5029 | 6215.1 | PM | 53.2 | 55 | 0.97 | 5.0 | 0.0 | TWSC | A | | A |
| JIMMY DELOACH - EB | Prescott to Towles | 5029002 | 5029 | 3379.2 | AM | 56.6 | 55 | 1.03 | 6.4 | 4.6 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Prescott to Towles | 5029002 | 5029 | 3379.2 | MD | 62.2 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Prescott to Towles | 5029002 | 5029 | 3379.2 | PM | 64.4 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Towles to Pooler City Limit | 5029003 | 5029 | 3771.6 | AM | 63.7 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Towles to Pooler City Limit | 5029003 | 5029 | 3771.6 | MD | 60.1 | 55 | 1.09 | 0.1 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Towles to Pooler City Limit | 5029003 | 5029 | 3771.6 | PM | 63.9 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Pooler City Limit to Godley | 5029004 | 5029 | 10395.5 | AM | 64.2 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Pooler City Limit to Godley | 5029004 | 5029 | 10395.5 | MD | 62.8 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Pooler City Limit to Godley | 5029004 | 5029 | 10395.5 | PM | 67.0 | 55 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Godley to Savannah City Limit | 5029005 | 5029 | 1529.2 | AM | 68.0 | 55 | 1.24 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|--------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| JIMMY DELOACH - EB | Godley to Savannah City Limit | 5029005 | 5029 | 1529.2 | MD | 62.5 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Godley to Savannah City Limit | 5029005 | 5029 | 1529.2 | PM | 68.7 | 55 | 1.25 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Savannah City Limit to Jimmy DeLoach | 5029006 | 5029 | 8673.1 | AM | 60.9 | 50 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Savannah City Limit to Jimmy DeLoach | 5029006 | 5029 | 8673.1 | MD | 60.5 | 50 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Savannah City Limit to Jimmy DeLoach | 5029006 | 5029 | 8673.1 | PM | 63.9 | 50 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Jimmy DeLoach to Godley | 5029007 | 5029 | 7361.1 | AM | 57.2 | 45 | 1.27 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Jimmy DeLoach to Godley | 5029007 | 5029 | 7361.1 | MD | 57.3 | 45 | 1.27 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Jimmy DeLoach to Godley | 5029007 | 5029 | 7361.1 | PM | 54.7 | 45 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Godley to SH 21 | 5029008 | 5029 | 3024.3 | AM | 56.0 | 45 | 1.24 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Godley to SH 21 | 5029008 | 5029 | 3024.3 | MD | 54.6 | 45 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | Godley to SH 21 | 5029008 | 5029 | 3024.3 | PM | 52.2 | 45 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - EB | SH 21 to SH 21 | 5029009 | 5029 | 3134.4 | AM | 29.5 | 45 | 0.66 | 25.9 | 13.8 | Cross Street | C | | C |
| JIMMY DELOACH - EB | SH 21 to SH 21 | 5029009 | 5029 | 3134.4 | MD | 27.2 | 45 | 0.61 | 29.0 | 11.5 | Cross Street | C | | C |
| JIMMY DELOACH - EB | SH 21 to SH 21 | 5029009 | 5029 | 3134.4 | PM | 27.2 | 45 | 0.61 | 33.1 | 9.5 | Cross Street | C | | C |
| JIMMY DELOACH - WB | SH 21 to SH 21 | 5030001 | 5030 | 3134.4 | AM | 36.7 | 45 | 0.81 | 10.8 | 0.0 | Signal | B | | B |
| JIMMY DELOACH - WB | SH 21 to SH 21 | 5030001 | 5030 | 3134.4 | MD | 35.4 | 45 | 0.79 | 14.2 | 0.0 | Signal | B | | B |
| JIMMY DELOACH - WB | SH 21 to SH 21 | 5030001 | 5030 | 3134.4 | PM | 35.2 | 45 | 0.78 | 14.9 | 0.0 | Signal | B | | B |
| JIMMY DELOACH - WB | SH 21 to Godley | 5030002 | 5030 | 3024.3 | AM | 54.4 | 45 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | SH 21 to Godley | 5030002 | 5030 | 3024.3 | MD | 55.6 | 45 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | SH 21 to Godley | 5030002 | 5030 | 3024.3 | PM | 54.8 | 45 | 1.22 | 0.3 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Jimmy DeLoach | 5030003 | 5030 | 7361.1 | AM | 55.3 | 45 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Jimmy DeLoach | 5030003 | 5030 | 7361.1 | MD | 57.5 | 45 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Jimmy DeLoach | 5030003 | 5030 | 7361.1 | PM | 56.7 | 45 | 1.26 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Jimmy DeLoach to Savannah City Limit | 5030004 | 5030 | 8673.2 | AM | 59.7 | 50 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Jimmy DeLoach to Savannah City Limit | 5030004 | 5030 | 8673.2 | MD | 60.3 | 50 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Jimmy DeLoach to Savannah City Limit | 5030004 | 5030 | 8673.2 | PM | 60.7 | 50 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Savannah City Limit to Godley | 5030005 | 5030 | 1529.1 | AM | 58.5 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Savannah City Limit to Godley | 5030005 | 5030 | 1529.1 | MD | 61.7 | 55 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Savannah City Limit to Godley | 5030005 | 5030 | 1529.1 | PM | 60.8 | 55 | 1.11 | 0.4 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Pooler City Limit | 5030006 | 5030 | 10395.6 | AM | 62.5 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Pooler City Limit | 5030006 | 5030 | 10395.6 | MD | 62.4 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Godley to Pooler City Limit | 5030006 | 5030 | 10395.6 | PM | 63.6 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Pooler City Limit to Towles | 5030007 | 5030 | 3771.5 | AM | 59.8 | 55 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Pooler City Limit to Towles | 5030007 | 5030 | 3771.5 | MD | 60.8 | 55 | 1.11 | 0.5 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Pooler City Limit to Towles | 5030007 | 5030 | 3771.5 | PM | 62.1 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Towles to Prescott | 5030008 | 5030 | 3379.2 | AM | 65.6 | 55 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Towles to Prescott | 5030008 | 5030 | 3379.2 | MD | 62.7 | 55 | 1.14 | 0.2 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Towles to Prescott | 5030008 | 5030 | 3379.2 | PM | 63.0 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Prescott to US 80 | 5030009 | 5030 | 6215.1 | AM | 52.4 | 55 | 0.95 | 4.2 | 2.5 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Prescott to US 80 | 5030009 | 5030 | 6215.1 | MD | 48.1 | 55 | 0.88 | 13.9 | 8.8 | Cross Street | A | | A |
| JIMMY DELOACH - WB | Prescott to US 80 | 5030009 | 5030 | 6215.1 | PM | 46.7 | 55 | 0.85 | 21.9 | 11.0 | Cross Street | A | | A |
| MEINHARD/HENRY - EB | Montieth to I-95 | 5031001 | 5031 | 9129.7 | AM | 45.0 | 45 | 1.00 | 4.3 | 0.0 | Signal | A | | A |
| MEINHARD/HENRY - EB | Montieth to I-95 | 5031001 | 5031 | 9129.7 | MD | 41.5 | 45 | 0.92 | 25.6 | 15.5 | Signal | C | | C |
| MEINHARD/HENRY - EB | Montieth to I-95 | 5031001 | 5031 | 9129.7 | PM | 45.2 | 45 | 1.00 | 8.6 | 0.0 | Signal | A | | A |
| MEINHARD/HENRY - EB | I-95 to Hendley | 5031002 | 5031 | 2794.7 | AM | 45.9 | 45 | 1.02 | 1.8 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - EB | I-95 to Hendley | 5031002 | 5031 | 2794.7 | MD | 49.3 | 45 | 1.10 | 1.6 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - EB | I-95 to Hendley | 5031002 | 5031 | 2794.7 | PM | 49.2 | 45 | 1.09 | 0.4 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - EB | Hendley to SH 21 | 5031003 | 5031 | 2684.2 | AM | 28.4 | 45 | 0.63 | 27.5 | 6.4 | Cross Street | C | | C |
| MEINHARD/HENRY - EB | Hendley to SH 21 | 5031003 | 5031 | 2684.2 | MD | 33.7 | 45 | 0.75 | 15.0 | 7.5 | Cross Street | C | | C |
| MEINHARD/HENRY - EB | Hendley to SH 21 | 5031003 | 5031 | 2684.2 | PM | 28.1 | 45 | 0.62 | 27.8 | 13.4 | Cross Street | C | | C |
| MEINHARD/HENRY - WB | SH 21 to Hendley | 5032001 | 5032 | 2684.2 | AM | 35.3 | 45 | 0.79 | 11.0 | 0.3 | Signal | B | | B |
| MEINHARD/HENRY - WB | SH 21 to Hendley | 5032001 | 5032 | 2684.2 | MD | 41.2 | 45 | 0.92 | 4.8 | 0.0 | Signal | A | | A |
| MEINHARD/HENRY - WB | SH 21 to Hendley | 5032001 | 5032 | 2684.2 | PM | 40.2 | 45 | 0.89 | 5.0 | 0.0 | Signal | A | | A |
| MEINHARD/HENRY - WB | Hendley to I-95 | 5032002 | 5032 | 2794.6 | AM | 42.4 | 45 | 0.94 | 2.7 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - WB | Hendley to I-95 | 5032002 | 5032 | 2794.6 | MD | 44.9 | 45 | 1.00 | 4.2 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - WB | Hendley to I-95 | 5032002 | 5032 | 2794.6 | PM | 43.5 | 45 | 0.97 | 3.2 | 0.0 | Cross Street | A | | A |
| MEINHARD/HENRY - WB | I-95 to Montieth | 5032003 | 5032 | 9129.8 | AM | 39.9 | 45 | 0.89 | 19.5 | 11.2 | Cross Street | B | | B |
| MEINHARD/HENRY - WB | I-95 to Montieth | 5032003 | 5032 | 9129.8 | MD | 49.5 | 45 | 1.10 | 1.0 | 0.5 | Cross Street | A | | A |
| MEINHARD/HENRY - WB | I-95 to Montieth | 5032003 | 5032 | 9129.8 | PM | 41.3 | 45 | 0.92 | 14.1 | 7.7 | Cross Street | B | | B |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| MONTIETH - EB | Effingham County to Meinhard | 5033001 | 5033 | 9243.4 | AM | 54.7 | 55 | 0.99 | 9.4 | 0.0 | Cross Street | A | | A |
| MONTIETH - EB | Effingham County to Meinhard | 5033001 | 5033 | 9243.4 | MD | 73.3 | 55 | 1.33 | 0.0 | 0.0 | Cross Street | A | | A |
| MONTIETH - EB | Effingham County to Meinhard | 5033001 | 5033 | 9243.4 | PM | 54.5 | 55 | 0.99 | 1.5 | 0.0 | Cross Street | A | | A |
| MONTIETH - EB | Meinhard to SH 21 | 5033002 | 5033 | 10492.4 | AM | 46.9 | 55 | 0.85 | 22.8 | 14.5 | Signal | C | | C |
| MONTIETH - EB | Meinhard to SH 21 | 5033002 | 5033 | 10492.4 | MD | 54.4 | 55 | 0.99 | 15.2 | 13.0 | Signal | B | | B |
| MONTIETH - EB | Meinhard to SH 21 | 5033002 | 5033 | 10492.4 | PM | 51.0 | 55 | 0.93 | 10.5 | 10.0 | Signal | B | | B |
| MONTIETH - WB | SH 21 to Meinhard | 5034002 | 5034 | 10492.4 | AM | 47.9 | 55 | 0.87 | 21.2 | 0.0 | TWSC | C | | C |
| MONTIETH - WB | SH 21 to Meinhard | 5034002 | 5034 | 10492.4 | MD | 58.7 | 55 | 1.07 | 4.0 | 0.0 | TWSC | A | | A |
| MONTIETH - WB | SH 21 to Meinhard | 5034002 | 5034 | 10492.4 | PM | 53.8 | 55 | 0.98 | 8.9 | 0.0 | TWSC | A | | A |
| MONTIETH - WB | Meinhard to Effingham County | 5034003 | 5034 | 9243.4 | AM | 61.1 | 55 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| MONTIETH - WB | Meinhard to Effingham County | 5034003 | 5034 | 9243.4 | MD | 59.7 | 55 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| MONTIETH - WB | Meinhard to Effingham County | 5034003 | 5034 | 9243.4 | PM | 55.1 | 55 | 1.00 | 0.2 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Private Drive to Montieth | 5035001 | 5035 | 14654.4 | AM | 59.9 | 55 | 1.09 | 0.8 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Private Drive to Montieth | 5035001 | 5035 | 14654.4 | MD | 63.6 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Private Drive to Montieth | 5035001 | 5035 | 14654.4 | PM | 57.9 | 55 | 1.05 | 2.8 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Montieth to I-95 | 5035002 | 5035 | 2810.7 | AM | 48.6 | 45 | 1.08 | 1.8 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Montieth to I-95 | 5035002 | 5035 | 2810.7 | MD | 53.0 | 45 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Montieth to I-95 | 5035002 | 5035 | 2810.7 | PM | 49.0 | 45 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | I-95 to O'Leary | 5035003 | 5035 | 1040.2 | AM | 19.7 | 45 | 0.44 | 22.0 | 9.2 | Signal | C | | C |
| SH 21/ 516/DERENNE - EB | I-95 to O'Leary | 5035003 | 5035 | 1040.2 | MD | 18.0 | 45 | 0.40 | 21.0 | 9.3 | Signal | C | | C |
| SH 21/ 516/DERENNE - EB | I-95 to O'Leary | 5035003 | 5035 | 1040.2 | PM | 45.9 | 45 | 1.02 | 0.5 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | O'Leary to Hendley | 5035004 | 5035 | 741.4 | AM | 38.6 | 45 | 0.86 | 1.8 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | O'Leary to Hendley | 5035004 | 5035 | 741.4 | MD | 38.7 | 45 | 0.86 | 1.6 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | O'Leary to Hendley | 5035004 | 5035 | 741.4 | PM | 47.8 | 45 | 1.06 | 1.0 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Hendley to RR Overpass | 5035005 | 5035 | 1424.2 | AM | 49.1 | 45 | 1.09 | 0.2 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Hendley to RR Overpass | 5035005 | 5035 | 1424.2 | MD | 54.5 | 45 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Hendley to RR Overpass | 5035005 | 5035 | 1424.2 | PM | 51.4 | 45 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | RR Overpass to Jimmy Deloach | 5035006 | 5035 | 7571.9 | AM | 58.1 | 45 | 1.29 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | RR Overpass to Jimmy Deloach | 5035006 | 5035 | 7571.9 | MD | 61.2 | 45 | 1.36 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | RR Overpass to Jimmy Deloach | 5035006 | 5035 | 7571.9 | PM | 59.3 | 45 | 1.32 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Jimmy Deloach to Snowy Dixon | 5035007 | 5035 | 760.9 | AM | 45.9 | 55 | 0.83 | 3.4 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Jimmy Deloach to Snowy Dixon | 5035007 | 5035 | 760.9 | MD | 68.4 | 55 | 1.24 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/ 516/DERENNE - EB | Jimmy Deloach to Snowy Dixon | 5035007 | 5035 | 760.9 | PM | 33.0 | 55 | 0.60 | 10.4 | 5.0 | Cross Street | C | | C |
| SH 21/ 516/DERENNE - EB | Snowy Dixon to SH 30 | 5035008 | 5035 | 2857.4 | AM | 51.3 | 55 | 0.93 | 4.3 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Snowy Dixon to SH 30 | 5035008 | 5035 | 2857.4 | MD | 60.0 | 55 | 1.09 | 1.4 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Snowy Dixon to SH 30 | 5035008 | 5035 | 2857.4 | PM | 53.6 | 55 | 0.97 | 0.9 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | AM | 28.1 | 55 | 0.51 | 70.8 | 31.8 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | MD | 23.9 | 55 | 0.44 | 59.4 | 42.0 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | SH 30 to Cross Gate | 5035009 | 5035 | 3013.1 | PM | 18.1 | 55 | 0.33 | 84.4 | 57.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | AM | 29.3 | 55 | 0.53 | 138.1 | 64.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | MD | 25.2 | 55 | 0.46 | 137.1 | 44.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | Cross Gate to SH 25 | 5035010 | 5035 | 7509.7 | PM | 33.0 | 55 | 0.60 | 72.3 | 43.0 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| SH 21/ 516/DERENNE - EB | SH 25 to Smith | 5035011 | 5035 | 3445.6 | AM | 46.9 | 55 | 0.85 | 7.6 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | SH 25 to Smith | 5035011 | 5035 | 3445.6 | MD | 44.9 | 55 | 0.82 | 10.4 | 0.0 | Signal | B | | B |
| SH 21/ 516/DERENNE - EB | SH 25 to Smith | 5035011 | 5035 | 3445.6 | PM | 46.3 | 55 | 0.84 | 7.9 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Smith to Brampton | 5035012 | 5035 | 6510.3 | AM | 39.4 | 55 | 0.72 | 32.5 | 5.6 | Signal | C | | C |
| SH 21/ 516/DERENNE - EB | Smith to Brampton | 5035012 | 5035 | 6510.3 | MD | 48.8 | 55 | 0.89 | 11.7 | 0.0 | Signal | B | | B |
| SH 21/ 516/DERENNE - EB | Smith to Brampton | 5035012 | 5035 | 6510.3 | PM | 35.6 | 55 | 0.65 | 43.8 | 24.5 | Signal | D | PM Delays for EB | Long Range Plan calls for Widening SH 21, Consider continuous EB intersection operations |
| SH 21/ 516/DERENNE - EB | Brampton to Minus | 5035013 | 5035 | 1328.6 | AM | 23.0 | 55 | 0.42 | 22.9 | 3.5 | Signal | C | | C |
| SH 21/ 516/DERENNE - EB | Brampton to Minus | 5035013 | 5035 | 1328.6 | MD | 44.6 | 55 | 0.81 | 4.2 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Brampton to Minus | 5035013 | 5035 | 1328.6 | PM | 31.5 | 55 | 0.57 | 14.0 | 0.0 | Signal | B | | B |
| SH 21/ 516/DERENNE - EB | Minus to Bay St | 5035014 | 5035 | 2143.2 | AM | 47.5 | 55 | 0.86 | 4.2 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Minus to Bay St | 5035014 | 5035 | 2143.2 | MD | 51.5 | 55 | 0.94 | 3.8 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Minus to Bay St | 5035014 | 5035 | 2143.2 | PM | 50.4 | 55 | 0.92 | 3.1 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Bay St to Lathrop | 5035015 | 5035 | 5749.1 | AM | 58.5 | 55 | 1.06 | 2.6 | 0.0 | Signal | A | | A |
| SH 21/ 516/DERENNE - EB | Bay St to Lathrop | 5035015 | 5035 | 5749.1 | MD | 58.7 | 55 | 1.07 | 0.6 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--------------------------|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| SH 21/I 516/DERENNE - EB | Bay St to Lathrop | 5035015 | 5035 | 5749.1 | PM | 56.7 | 55 | 1.03 | 0.5 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Lathrop to Augusta | 5035016 | 5035 | 687.2 | AM | 57.0 | 55 | 1.04 | 0.5 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Lathrop to Augusta | 5035016 | 5035 | 687.2 | MD | 55.8 | 55 | 1.02 | 0.8 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Lathrop to Augusta | 5035016 | 5035 | 687.2 | PM | 56.7 | 55 | 1.03 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Augusta to Louisville | 5035017 | 5035 | 1996.2 | AM | 60.0 | 55 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Augusta to Louisville | 5035017 | 5035 | 1996.2 | MD | 60.8 | 55 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Augusta to Louisville | 5035017 | 5035 | 1996.2 | PM | 56.6 | 55 | 1.03 | 0.1 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Louisville to Gwinnett | 5035018 | 5035 | 1589.8 | AM | 60.6 | 55 | 1.10 | 0.2 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Louisville to Gwinnett | 5035018 | 5035 | 1589.8 | MD | 60.9 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Louisville to Gwinnett | 5035018 | 5035 | 1589.8 | PM | 62.9 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Gwinnett to I-16 | 5035019 | 5035 | 2910.9 | AM | 63.8 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Gwinnett to I-16 | 5035019 | 5035 | 2910.9 | MD | 70.8 | 55 | 1.29 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Gwinnett to I-16 | 5035019 | 5035 | 2910.9 | PM | 62.5 | 55 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to I-16 | 5035020 | 5035 | 583.9 | AM | 66.0 | 55 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to I-16 | 5035020 | 5035 | 583.9 | MD | 66.0 | 55 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to I-16 | 5035020 | 5035 | 583.9 | PM | 64.2 | 55 | 1.17 | 0.1 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to US 17 | 5035021 | 5035 | 6411.8 | AM | 62.1 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to US 17 | 5035021 | 5035 | 6411.8 | MD | 65.3 | 55 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | I-16 to US 17 | 5035021 | 5035 | 6411.8 | PM | 63.1 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | US 17 to Veterans Pkwy | 5035022 | 5035 | 4680 | AM | 63.9 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | US 17 to Veterans Pkwy | 5035022 | 5035 | 4680 | MD | 63.7 | 55 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | US 17 to Veterans Pkwy | 5035022 | 5035 | 4680 | PM | 60.8 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Veterens Pkwy to Liberty | 5035023 | 5035 | 1874.7 | AM | 61.3 | 55 | 1.11 | 0.2 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Veterens Pkwy to Liberty | 5035023 | 5035 | 1874.7 | MD | 59.1 | 55 | 1.07 | 0.3 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Veterens Pkwy to Liberty | 5035023 | 5035 | 1874.7 | PM | 61.9 | 55 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Liberty to Montgomery | 5035024 | 5035 | 8966.9 | AM | 18.8 | 54 | 0.35 | 218.0 | 114.0 | Cross Street | E | End of Freeway Section, Delays expected | Excessive demand from freeway, delays unavoidable, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Liberty to Montgomery | 5035024 | 5035 | 8966.9 | MD | 52.9 | 54 | 0.99 | 3.0 | 2.5 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Liberty to Montgomery | 5035024 | 5035 | 8966.9 | PM | 51.7 | 54 | 0.97 | 17.4 | 11.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - EB | Montgomery to Bull | 5035025 | 5035 | 1374.5 | AM | 21.0 | 40 | 0.53 | 60.1 | 39.0 | Signal | E | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Montgomery to Bull | 5035025 | 5035 | 1374.5 | MD | 15.2 | 40 | 0.38 | 69.4 | 48.7 | Signal | E | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Montgomery to Bull | 5035025 | 5035 | 1374.5 | PM | 6.0 | 40 | 0.15 | 140.9 | 103.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Bull to Abercorn | 5035026 | 5035 | 869.4 | AM | 5.5 | 40 | 0.14 | 98.6 | 72.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Bull to Abercorn | 5035026 | 5035 | 869.4 | MD | 8.6 | 40 | 0.21 | 81.8 | 61.7 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Bull to Abercorn | 5035026 | 5035 | 869.4 | PM | 28.1 | 40 | 0.70 | 6.5 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Abercorn to Habersham | 5035027 | 5035 | 733.1 | AM | 27.6 | 40 | 0.69 | 8.1 | 0.7 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Abercorn to Habersham | 5035027 | 5035 | 733.1 | MD | 10.9 | 40 | 0.27 | 70.4 | 54.0 | Signal | E | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Abercorn to Habersham | 5035027 | 5035 | 733.1 | PM | 4.7 | 40 | 0.12 | 94.0 | 74.5 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Habersham to Reynolds | 5035028 | 5035 | 1275.5 | AM | 23.7 | 40 | 0.59 | 17.7 | 5.5 | Signal | B | | B |
| SH 21/I 516/DERENNE - EB | Habersham to Reynolds | 5035028 | 5035 | 1275.5 | MD | 37.6 | 40 | 0.94 | 2.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Habersham to Reynolds | 5035028 | 5035 | 1275.5 | PM | 35.4 | 40 | 0.89 | 2.8 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Reynolds to Paulsen | 5035029 | 5035 | 1337.4 | AM | 35.7 | 40 | 0.89 | 3.1 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Reynolds to Paulsen | 5035029 | 5035 | 1337.4 | MD | 43.6 | 40 | 1.09 | 1.3 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Reynolds to Paulsen | 5035029 | 5035 | 1337.4 | PM | 32.6 | 40 | 0.82 | 7.7 | 2.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Paulsen to Waters | 5035030 | 5035 | 1059 | AM | 22.6 | 40 | 0.57 | 50.1 | 39.5 | Signal | D | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Paulsen to Waters | 5035030 | 5035 | 1059 | MD | 33.1 | 40 | 0.83 | 6.9 | 0.8 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Paulsen to Waters | 5035030 | 5035 | 1059 | PM | 8.2 | 40 | 0.20 | 91.5 | 70.0 | Signal | F | Signal Timing | Once traffic is metered through Montgomery, signals should be coordinated for progression, Consider in E-W Study |
| SH 21/I 516/DERENNE - EB | Waters to Harry Truman SB Ramp | 5035031 | 5035 | 1925.4 | AM | 33.6 | 40 | 0.84 | 8.0 | 2.5 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Waters to Harry Truman SB Ramp | 5035031 | 5035 | 1925.4 | MD | 35.0 | 40 | 0.88 | 8.7 | 3.5 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| SH 21/I 516/DERENNE - EB | Waters to Harry Truman SB Ramp | 5035031 | 5035 | 1925.4 | PM | 28.7 | 40 | 0.72 | 17.7 | 8.8 | Signal | B | | B |
| SH 21/I 516/DERENNE - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5035032 | 5035 | 295.7 | AM | 35.7 | 40 | 0.89 | 1.3 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5035032 | 5035 | 295.7 | MD | 39.1 | 40 | 0.98 | 1.2 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5035032 | 5035 | 295.7 | PM | 33.3 | 40 | 0.83 | 0.6 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - EB | Harry Truman NB Ramp to Skidaway | 5035033 | 5035 | 4129.1 | AM | 29.3 | 40 | 0.73 | 33.9 | 14.8 | Signal | C | | C |
| SH 21/I 516/DERENNE - EB | Harry Truman NB Ramp to Skidaway | 5035033 | 5035 | 4129.1 | MD | 27.0 | 40 | 0.68 | 36.4 | 30.5 | Signal | D | Delays throughout DeRenne Corridor | Consider in the E-W Study |
| SH 21/I 516/DERENNE - EB | Harry Truman NB Ramp to Skidaway | 5035033 | 5035 | 4129.1 | PM | 28.5 | 40 | 0.71 | 34.7 | 24.0 | Signal | C | | C |
| SH 21/I 516/DERENNE - EB | Skidaway to La Roche | 5035034 | 5035 | 2702.5 | AM | 23.9 | 40 | 0.60 | 32.1 | 13.0 | Signal | C | | C |
| SH 21/I 516/DERENNE - EB | Skidaway to La Roche | 5035034 | 5035 | 2702.5 | MD | 23.3 | 40 | 0.58 | 34.5 | 18.8 | Signal | C | | C |
| SH 21/I 516/DERENNE - EB | Skidaway to La Roche | 5035034 | 5035 | 2702.5 | PM | 23.6 | 40 | 0.59 | 36.4 | 15.3 | Signal | D | Sufficient Capacity for turning movements | Consider widening to match section to West |
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | AM | 17.8 | 32 | 0.56 | 65.7 | 45.4 | Signal | E | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | MD | 23.3 | 40 | 0.58 | 39.8 | 26.3 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| SH 21/I 516/DERENNE - WB | La Roche to Skidaway | 5036002 | 5036 | 2702.4 | PM | 19.2 | 40 | 0.48 | 53.6 | 31.7 | Signal | D | 1 lane section, long delays at Skidaway | Consider widening approach to provide 2 thru lanes to match west side of int |
| SH 21/I 516/DERENNE - WB | Skidaway to Harry Truman NB Ramp | 5036003 | 5036 | 4129.1 | AM | 30.8 | 40 | 0.77 | 26.1 | 5.6 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Skidaway to Harry Truman NB Ramp | 5036003 | 5036 | 4129.1 | MD | 40.1 | 40 | 1.00 | 5.1 | 3.5 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Skidaway to Harry Truman NB Ramp | 5036003 | 5036 | 4129.1 | PM | 29.7 | 40 | 0.74 | 29.2 | 12.0 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5036004 | 5036 | 295.7 | AM | 31.7 | 40 | 0.79 | 1.6 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5036004 | 5036 | 295.7 | MD | 40.5 | 40 | 1.01 | 0.9 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5036004 | 5036 | 295.7 | PM | 28.1 | 40 | 0.70 | 2.2 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | AM | 24.9 | 40 | 0.62 | 27.4 | 13.2 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | MD | 23.2 | 40 | 0.58 | 33.4 | 23.6 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Harry Truman SB Ramp to Waters | 5036005 | 5036 | 1925.4 | PM | 14.0 | 40 | 0.35 | 68.7 | 50.7 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull, Consider in E-W Study |
| SH 21/I 516/DERENNE - WB | Waters to Paulsen | 5036006 | 5036 | 1059.1 | AM | 40.1 | 40 | 1.00 | 1.6 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Waters to Paulsen | 5036006 | 5036 | 1059.1 | MD | 24.7 | 40 | 0.62 | 21.0 | 11.8 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Waters to Paulsen | 5036006 | 5036 | 1059.1 | PM | 34.0 | 40 | 0.85 | 3.4 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Paulsen to Reynolds | 5036007 | 5036 | 1337.4 | AM | 29.7 | 40 | 0.74 | 11.5 | 4.2 | Signal | B | | B |
| SH 21/I 516/DERENNE - WB | Paulsen to Reynolds | 5036007 | 5036 | 1337.4 | MD | 31.1 | 40 | 0.78 | 9.6 | 3.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Paulsen to Reynolds | 5036007 | 5036 | 1337.4 | PM | 24.9 | 40 | 0.62 | 18.5 | 6.3 | Signal | B | | B |
| SH 21/I 516/DERENNE - WB | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | AM | 26.4 | 40 | 0.66 | 21.3 | 8.3 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | MD | 28.0 | 40 | 0.70 | 11.4 | 1.6 | Signal | B | | B |
| SH 21/I 516/DERENNE - WB | Reynolds to Habersham | 5036008 | 5036 | 1275.4 | PM | 10.8 | 40 | 0.27 | 75.7 | 44.0 | Signal | E | PM WB needs progression from Truman to Bull | Coordinate signal timing for outbound PM traffic through Bull |
| SH 21/I 516/DERENNE - WB | Habersham to Abercorn | 5036009 | 5036 | 733.1 | AM | 32.5 | 40 | 0.81 | 4.4 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Habersham to Abercorn | 5036009 | 5036 | 733.1 | MD | 21.7 | 40 | 0.54 | 12.2 | 1.2 | Signal | B | | B |
| SH 21/I 516/DERENNE - WB | Habersham to Abercorn | 5036009 | 5036 | 733.1 | PM | 14.0 | 40 | 0.35 | 28.1 | 7.3 | Signal | C | | C |
| SH 21/I 516/DERENNE - WB | Abercorn to Bull | 5036010 | 5036 | 869.4 | AM | 26.6 | 40 | 0.66 | 9.1 | 0.8 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Abercorn to Bull | 5036010 | 5036 | 869.4 | MD | 28.1 | 40 | 0.70 | 9.7 | 2.8 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Abercorn to Bull | 5036010 | 5036 | 869.4 | PM | 31.4 | 40 | 0.78 | 3.1 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Bull to Montgomery | 5036011 | 5036 | 1374.5 | AM | 29.7 | 40 | 0.74 | 7.9 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Bull to Montgomery | 5036011 | 5036 | 1374.5 | MD | 32.2 | 40 | 0.81 | 6.6 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Bull to Montgomery | 5036011 | 5036 | 1374.5 | PM | 30.3 | 40 | 0.76 | 8.2 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Montgomery to Liberty | 5036012 | 5036 | 8967 | AM | 55.9 | 54 | 1.05 | 0.6 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Montgomery to Liberty | 5036012 | 5036 | 8967 | MD | 56.3 | 54 | 1.05 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Montgomery to Liberty | 5036012 | 5036 | 8967 | PM | 53.8 | 54 | 1.01 | 4.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Liberty to Veterans Pkwy | 5036013 | 5036 | 1874.6 | AM | 58.3 | 55 | 1.06 | 0.2 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - WB | Liberty to Veterans Pkwy | 5036013 | 5036 | 1874.6 | MD | 65.5 | 55 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - WB | Liberty to Veterans Pkwy | 5036013 | 5036 | 1874.6 | PM | 62.0 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/I 516/DERENNE - WB | Veterans Pkwy to US 17 | 5036014 | 5036 | 4680.1 | AM | 62.6 | 55 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Veterans Pkwy to US 17 | 5036014 | 5036 | 4680.1 | MD | 71.3 | 55 | 1.30 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | Veterans Pkwy to US 17 | 5036014 | 5036 | 4680.1 | PM | 62.7 | 55 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/I 516/DERENNE - WB | US 17 to I-16 | 5036015 | 5036 | 6411.8 | AM | 63.1 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--------------------------|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|---|
| SH 21/1 516/DERENNE - WB | US 17 to I-16 | 5036015 | 5036 | 6411.8 | MD | 47.8 | 55 | 0.87 | 25.5 | 2.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | US 17 to I-16 | 5036015 | 5036 | 6411.8 | PM | 57.9 | 55 | 1.05 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to I-16 | 5036016 | 5036 | 583.8 | AM | 66.2 | 55 | 1.20 | 0.2 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to I-16 | 5036016 | 5036 | 583.8 | MD | 63.3 | 55 | 1.15 | 0.1 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to I-16 | 5036016 | 5036 | 583.8 | PM | 62.4 | 55 | 1.13 | 0.2 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to Gwinnett | 5036017 | 5036 | 2910.9 | AM | 61.1 | 55 | 1.11 | 0.1 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to Gwinnett | 5036017 | 5036 | 2910.9 | MD | 64.4 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | I-16 to Gwinnett | 5036017 | 5036 | 2910.9 | PM | 58.5 | 55 | 1.06 | 0.3 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Gwinnett to Louisville | 5036018 | 5036 | 1589.8 | AM | 58.6 | 55 | 1.06 | 0.1 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Gwinnett to Louisville | 5036018 | 5036 | 1589.8 | MD | 61.3 | 55 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Gwinnett to Louisville | 5036018 | 5036 | 1589.8 | PM | 63.4 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Louisville to Augusta | 5036019 | 5036 | 1996.3 | AM | 59.9 | 55 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Louisville to Augusta | 5036019 | 5036 | 1996.3 | MD | 65.3 | 55 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Louisville to Augusta | 5036019 | 5036 | 1996.3 | PM | 61.8 | 55 | 1.12 | 0.2 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Augusta to Lathrop | 5036020 | 5036 | 687.1 | AM | 55.8 | 55 | 1.01 | 0.6 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Augusta to Lathrop | 5036020 | 5036 | 687.1 | MD | 61.5 | 55 | 1.12 | 0.2 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Augusta to Lathrop | 5036020 | 5036 | 687.1 | PM | 58.5 | 55 | 1.06 | 0.1 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Lathrop to Bay St | 5036021 | 5036 | 5749.1 | AM | 59.0 | 55 | 1.07 | 0.1 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Lathrop to Bay St | 5036021 | 5036 | 5749.1 | MD | 61.1 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Lathrop to Bay St | 5036021 | 5036 | 5749.1 | PM | 57.8 | 55 | 1.05 | 2.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Bay St to Minus | 5036022 | 5036 | 2143.2 | AM | 24.9 | 55 | 0.45 | 33.7 | 17.0 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | Bay St to Minus | 5036022 | 5036 | 2143.2 | MD | 52.9 | 55 | 0.96 | 1.6 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Bay St to Minus | 5036022 | 5036 | 2143.2 | PM | 48.5 | 55 | 0.88 | 3.7 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Minus to Brampton | 5036023 | 5036 | 1328.6 | AM | 35.7 | 55 | 0.65 | 8.9 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Minus to Brampton | 5036023 | 5036 | 1328.6 | MD | 31.1 | 55 | 0.57 | 20.7 | 11.8 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | Minus to Brampton | 5036023 | 5036 | 1328.6 | PM | 25.9 | 55 | 0.47 | 20.1 | 3.8 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | Brampton to Smith | 5036024 | 5036 | 6510.4 | AM | 43.5 | 55 | 0.79 | 23.2 | 2.8 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | Brampton to Smith | 5036024 | 5036 | 6510.4 | MD | 44.6 | 55 | 0.81 | 19.6 | 5.5 | Signal | B | | B |
| SH 21/1 516/DERENNE - WB | Brampton to Smith | 5036024 | 5036 | 6510.4 | PM | 44.0 | 55 | 0.80 | 20.0 | 0.0 | Signal | B | | B |
| SH 21/1 516/DERENNE - WB | Smith to SH 25 | 5036025 | 5036 | 3445.5 | AM | 47.1 | 55 | 0.86 | 7.5 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Smith to SH 25 | 5036025 | 5036 | 3445.5 | MD | 24.9 | 55 | 0.45 | 80.3 | 55.7 | Signal | F | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy midday volumes with Truck traffic - construct storage for trucks |
| SH 21/1 516/DERENNE - WB | Smith to SH 25 | 5036025 | 5036 | 3445.5 | PM | 22.8 | 55 | 0.41 | 77.7 | 34.4 | Signal | E | Excessive delays due to high truck volumes | Priority IB - Widen 4-6, Heavy PM volumes with Truck traffic - construct storage for trucks |
| SH 21/1 516/DERENNE - WB | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | AM | 45.9 | 55 | 0.83 | 24.3 | 14.6 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | MD | 44.5 | 55 | 0.81 | 23.1 | 9.3 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | SH 25 to Cross Gate | 5036026 | 5036 | 7509.7 | PM | 26.6 | 55 | 0.48 | 135.5 | 55.8 | Signal | F | Currently under construction on SR 25 | Study next CMS |
| SH 21/1 516/DERENNE - WB | Cross Gate to SH 30 | 5036027 | 5036 | 3013.2 | AM | 46.7 | 55 | 0.85 | 9.3 | 3.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Cross Gate to SH 30 | 5036027 | 5036 | 3013.2 | MD | 46.2 | 55 | 0.84 | 7.2 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Cross Gate to SH 30 | 5036027 | 5036 | 3013.2 | PM | 35.2 | 55 | 0.64 | 26.7 | 10.6 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | SH 30 to Snowy Dixon | 5036028 | 5036 | 2857.3 | AM | 39.5 | 55 | 0.72 | 18.7 | 9.3 | Signal | B | | B |
| SH 21/1 516/DERENNE - WB | SH 30 to Snowy Dixon | 5036028 | 5036 | 2857.3 | MD | 47.9 | 55 | 0.87 | 7.7 | 2.7 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | SH 30 to Snowy Dixon | 5036028 | 5036 | 2857.3 | PM | 44.3 | 55 | 0.80 | 12.2 | 2.4 | Signal | B | | B |
| SH 21/1 516/DERENNE - WB | Snowy Dixon to Jimmy Deloach | 5036029 | 5036 | 760.9 | AM | 40.9 | 55 | 0.74 | 3.3 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Snowy Dixon to Jimmy Deloach | 5036029 | 5036 | 760.9 | MD | 49.2 | 55 | 0.90 | 1.5 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Snowy Dixon to Jimmy Deloach | 5036029 | 5036 | 760.9 | PM | 47.2 | 55 | 0.86 | 1.6 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Jimmy Deloach to RR Overpass | 5036030 | 5036 | 7571.9 | AM | 59.6 | 45 | 1.32 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Jimmy Deloach to RR Overpass | 5036030 | 5036 | 7571.9 | MD | 62.5 | 45 | 1.39 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Jimmy Deloach to RR Overpass | 5036030 | 5036 | 7571.9 | PM | 54.9 | 45 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | RR Overpass to Hendley | 5036031 | 5036 | 1424.2 | AM | 55.3 | 45 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | RR Overpass to Hendley | 5036031 | 5036 | 1424.2 | MD | 60.9 | 45 | 1.35 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | RR Overpass to Hendley | 5036031 | 5036 | 1424.2 | PM | 46.7 | 45 | 1.04 | 0.4 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Hendley to O'Leary | 5036032 | 5036 | 741.5 | AM | 52.8 | 45 | 1.17 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Hendley to O'Leary | 5036032 | 5036 | 741.5 | MD | 10.1 | 45 | 0.22 | 42.7 | 27.7 | Signal | D | Excessive delays at O'Leary | Optimize timing along corridor for improved operations |
| SH 21/1 516/DERENNE - WB | Hendley to O'Leary | 5036032 | 5036 | 741.5 | PM | 18.2 | 45 | 0.40 | 31.5 | 19.3 | Signal | C | | C |
| SH 21/1 516/DERENNE - WB | O'Leary to I-95 | 5036033 | 5036 | 1040.1 | AM | 45.6 | 45 | 1.01 | 1.4 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | O'Leary to I-95 | 5036033 | 5036 | 1040.1 | MD | 38.2 | 45 | 0.85 | 2.6 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | O'Leary to I-95 | 5036033 | 5036 | 1040.1 | PM | 33.9 | 45 | 0.75 | 4.8 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | I-95 to Montith | 5036034 | 5036 | 2810.8 | AM | 54.1 | 45 | 1.20 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | I-95 to Montith | 5036034 | 5036 | 2810.8 | MD | 52.3 | 45 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | I-95 to Montith | 5036034 | 5036 | 2810.8 | PM | 40.9 | 45 | 0.91 | 4.7 | 1.8 | Signal | A | | A |
| SH 21/1 516/DERENNE - WB | Montith to Private Drive | 5036035 | 5036 | 14654.3 | AM | 59.6 | 55 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 21/1 516/DERENNE - WB | Montith to Private Drive | 5036035 | 5036 | 14654.3 | MD | 60.1 | 55 | 1.09 | 0.8 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--------------------|--|
| SH 211/516/DERENNE - WB | Montieth to Private Drive | 5036035 | 5036 | 14654.3 | PM | 54.3 | 55 | 0.99 | 7.6 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Burnsed to Main St | 5041001 | 5041 | 799.2 | AM | 34.6 | 35 | 0.99 | 0.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Burnsed to Main St | 5041001 | 5041 | 799.2 | MD | 34.2 | 35 | 0.98 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Burnsed to Main St | 5041001 | 5041 | 799.2 | PM | 29.4 | 35 | 0.84 | 4.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Main St to Market | 5041002 | 5041 | 652.2 | AM | 35.2 | 35 | 1.01 | 1.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Main St to Market | 5041002 | 5041 | 652.2 | MD | 34.7 | 35 | 0.99 | 0.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Main St to Market | 5041002 | 5041 | 652.2 | PM | 18.1 | 35 | 0.52 | 19.1 | 10.7 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Market to Lathrop | 5041003 | 5041 | 3727.2 | AM | 42.9 | 35 | 1.23 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Market to Lathrop | 5041003 | 5041 | 3727.2 | MD | 32.7 | 35 | 0.93 | 8.8 | 12.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Market to Lathrop | 5041003 | 5041 | 3727.2 | PM | 40.0 | 35 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lathrop to I-516 | 5041004 | 5041 | 397.7 | AM | 41.7 | 35 | 1.19 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lathrop to I-516 | 5041004 | 5041 | 397.7 | MD | 33.6 | 35 | 0.96 | 0.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lathrop to I-516 | 5041004 | 5041 | 397.7 | PM | 38.6 | 35 | 1.10 | 0.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-516 to Graham | 5041005 | 5041 | 610.4 | AM | 43.1 | 35 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-516 to Graham | 5041005 | 5041 | 610.4 | MD | 45.4 | 35 | 1.30 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-516 to Graham | 5041005 | 5041 | 610.4 | PM | 43.8 | 35 | 1.25 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Graham to Carolan | 5041006 | 5041 | 3129.8 | AM | 38.5 | 34 | 1.12 | 2.3 | 1.2 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Graham to Carolan | 5041006 | 5041 | 3129.8 | MD | 32.2 | 35 | 0.92 | 8.3 | 9.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Graham to Carolan | 5041006 | 5041 | 3129.8 | PM | 40.4 | 35 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Carolan to East Lathrop | 5041007 | 5041 | 1518.5 | AM | 20.4 | 34 | 0.60 | 21.4 | 15.0 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Carolan to East Lathrop | 5041007 | 5041 | 1518.5 | MD | 16.2 | 35 | 0.46 | 35.9 | 27.3 | Signal | D | Operational Delays | Coordinate signal between Carolan and E. Lathrop |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Carolan to East Lathrop | 5041007 | 5041 | 1518.5 | PM | 26.7 | 35 | 0.76 | 10.9 | 0.7 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Lathrop to I-16 | 5041008 | 5041 | 2845.3 | AM | 44.0 | 40 | 1.10 | 0.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Lathrop to I-16 | 5041008 | 5041 | 2845.3 | MD | 44.9 | 40 | 1.12 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-----------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Lathrop to I-16 | 5041008 | 5041 | 2845.3 | PM | 41.6 | 40 | 1.04 | 0.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-16 to Fahm | 5041009 | 5041 | 1078 | AM | 35.9 | 40 | 0.90 | 3.1 | 1.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-16 to Fahm | 5041009 | 5041 | 1078 | MD | 38.6 | 40 | 0.96 | 0.7 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | I-16 to Fahm | 5041009 | 5041 | 1078 | PM | 41.2 | 40 | 1.03 | 0.5 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Fahm to MLK | 5041010 | 5041 | 966.2 | AM | 20.6 | 40 | 0.51 | 25.0 | 16.0 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Fahm to MLK | 5041010 | 5041 | 966.2 | MD | 31.5 | 40 | 0.79 | 4.8 | 1.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Fahm to MLK | 5041010 | 5041 | 966.2 | PM | 35.9 | 40 | 0.90 | 2.1 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | MLK to Montgomery | 5041011 | 5041 | 327.8 | AM | 16.2 | 40 | 0.40 | 13.6 | 7.0 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | MLK to Montgomery | 5041011 | 5041 | 327.8 | MD | 24.1 | 40 | 0.60 | 3.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | MLK to Montgomery | 5041011 | 5041 | 327.8 | PM | 27.8 | 40 | 0.69 | 2.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Montgomery to Barnard | 5041012 | 5041 | 668.4 | AM | 30.7 | 40 | 0.77 | 3.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Montgomery to Barnard | 5041012 | 5041 | 668.4 | MD | 26.2 | 40 | 0.65 | 6.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Montgomery to Barnard | 5041012 | 5041 | 668.4 | PM | 26.4 | 40 | 0.66 | 5.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Barnard to Whitaker | 5041013 | 5041 | 373.8 | AM | 34.5 | 40 | 0.86 | 1.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Barnard to Whitaker | 5041013 | 5041 | 373.8 | MD | 28.4 | 40 | 0.71 | 3.1 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Barnard to Whitaker | 5041013 | 5041 | 373.8 | PM | 22.7 | 40 | 0.57 | 5.7 | 0.7 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Whitaker to Bull | 5041014 | 5041 | 353.5 | AM | 34.6 | 40 | 0.87 | 1.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Whitaker to Bull | 5041014 | 5041 | 353.5 | MD | 13.5 | 40 | 0.34 | 13.1 | 5.7 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Whitaker to Bull | 5041014 | 5041 | 353.5 | PM | 20.5 | 40 | 0.51 | 5.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Bull to Drayton | 5041015 | 5041 | 364.5 | AM | 25.9 | 40 | 0.65 | 7.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Bull to Drayton | 5041015 | 5041 | 364.5 | MD | 24.5 | 40 | 0.61 | 4.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Bull to Drayton | 5041015 | 5041 | 364.5 | PM | 23.7 | 40 | 0.59 | 3.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Drayton to Abercorn | 5041016 | 5041 | 346.7 | AM | 31.4 | 40 | 0.79 | 2.1 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|-------------------|--|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Drayton to Abercorn | 5041016 | 5041 | 346.7 | MD | 26.5 | 40 | 0.66 | 2.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Drayton to Abercorn | 5041016 | 5041 | 346.7 | PM | 24.6 | 40 | 0.61 | 2.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Abercorn to Lincoln | 5041017 | 5041 | 409.5 | AM | 34.1 | 40 | 0.85 | 1.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Abercorn to Lincoln | 5041017 | 5041 | 409.5 | MD | 29.1 | 40 | 0.73 | 2.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Abercorn to Lincoln | 5041017 | 5041 | 409.5 | PM | 29.3 | 40 | 0.73 | 2.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lincoln to Price | 5041018 | 5041 | 594.7 | AM | 33.7 | 40 | 0.84 | 2.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lincoln to Price | 5041018 | 5041 | 594.7 | MD | 30.0 | 40 | 0.75 | 3.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Lincoln to Price | 5041018 | 5041 | 594.7 | PM | 30.2 | 40 | 0.75 | 3.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Price to Houston | 5041019 | 5041 | 301.4 | AM | 35.4 | 40 | 0.89 | 1.1 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Price to Houston | 5041019 | 5041 | 301.4 | MD | 32.0 | 40 | 0.80 | 1.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Price to Houston | 5041019 | 5041 | 301.4 | PM | 27.4 | 40 | 0.69 | 2.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Houston to East Broad St | 5041020 | 5041 | 346.7 | AM | 33.7 | 40 | 0.84 | 1.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Houston to East Broad St | 5041020 | 5041 | 346.7 | MD | 29.6 | 40 | 0.74 | 2.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Houston to East Broad St | 5041020 | 5041 | 346.7 | PM | 24.9 | 40 | 0.62 | 3.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | AM | 21.6 | 40 | 0.54 | 27.6 | 8.7 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | MD | 23.6 | 40 | 0.59 | 23.8 | 4.0 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | East Broad St to President | 5041021 | 5041 | 1850.7 | PM | 17.8 | 40 | 0.44 | 42.1 | 17.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | President to Veterans Pkwy | 5041022 | 5041 | 1899.1 | AM | 40.0 | 40 | 1.00 | 0.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | President to Veterans Pkwy | 5041022 | 5041 | 1899.1 | MD | 44.6 | 40 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | President to Veterans Pkwy | 5041022 | 5041 | 1899.1 | PM | 32.3 | 40 | 0.81 | 15.7 | 2.8 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Veterans Pkwy | 5041023 | 5041 | 1142.9 | AM | 48.2 | 40 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Veterans Pkwy | 5041023 | 5041 | 1142.9 | MD | 45.5 | 40 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Veterans Pkwy | 5041023 | 5041 | 1142.9 | PM | 25.7 | 40 | 0.64 | 18.1 | 10.0 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Pennsylvania | 5041024 | 5041 | 4470.3 | AM | 43.2 | 50 | 0.86 | 9.9 | 6.7 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Pennsylvania | 5041024 | 5041 | 4470.3 | MD | 46.0 | 50 | 0.92 | 5.3 | 0.7 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Veterens Pkwy to Pennsylvania | 5041024 | 5041 | 4470.3 | PM | 39.0 | 50 | 0.78 | 19.6 | 4.8 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Pennsylvania to Richardson Creek | 5041025 | 5041 | 15767.2 | AM | 54.6 | 50 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Pennsylvania to Richardson Creek | 5041025 | 5041 | 15767.2 | MD | 54.2 | 50 | 1.08 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Pennsylvania to Richardson Creek | 5041025 | 5041 | 15767.2 | PM | 55.3 | 50 | 1.11 | 4.1 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Richardson Creek to US 80 | 5041026 | 5041 | 3692 | AM | 58.1 | 50 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Richardson Creek to US 80 | 5041026 | 5041 | 3692 | MD | 56.4 | 50 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - EB | Richardson Creek to US 80 | 5041026 | 5041 | 3692 | PM | 59.6 | 50 | 1.19 | 0.6 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | US 80 to Richardson Creek | 5042001 | 5042 | 4975.8 | AM | 53.5 | 50 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | US 80 to Richardson Creek | 5042001 | 5042 | 4975.8 | MD | 54.3 | 50 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | US 80 to Richardson Creek | 5042001 | 5042 | 4975.8 | PM | 60.8 | 50 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Richardson Creek to Pennsylvania | 5042002 | 5042 | 15767.3 | AM | 48.3 | 50 | 0.97 | 12.5 | 15.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Richardson Creek to Pennsylvania | 5042002 | 5042 | 15767.3 | MD | 60.1 | 50 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Richardson Creek to Pennsylvania | 5042002 | 5042 | 15767.3 | PM | 55.1 | 50 | 1.10 | 0.6 | 3.6 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Pennsylvania to Veterans Pkwy | 5042003 | 5042 | 4470.2 | AM | 44.9 | 50 | 0.90 | 6.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Pennsylvania to Veterans Pkwy | 5042003 | 5042 | 4470.2 | MD | 44.5 | 50 | 0.89 | 8.9 | 4.7 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Pennsylvania to Veterans Pkwy | 5042003 | 5042 | 4470.2 | PM | 49.6 | 50 | 0.99 | 4.4 | 1.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to Veterans Pkwy | 5042004 | 5042 | 1143 | AM | 31.6 | 40 | 0.79 | 9.1 | 2.8 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to Veterans Pkwy | 5042004 | 5042 | 1143 | MD | 37.9 | 40 | 0.95 | 1.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to Veterans Pkwy | 5042004 | 5042 | 1143 | PM | 45.4 | 40 | 1.13 | 0.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to President | 5042005 | 5042 | 1899 | AM | 32.7 | 40 | 0.82 | 7.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to President | 5042005 | 5042 | 1899 | MD | 38.8 | 40 | 0.97 | 2.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|-------------------|----------------------|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Veterens Pkwy to President | 5042005 | 5042 | 1899 | PM | 35.2 | 40 | 0.88 | 4.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | President to East Broad St | 5042006 | 5042 | 1850.7 | AM | 22.3 | 40 | 0.56 | 25.7 | 0.0 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | President to East Broad St | 5042006 | 5042 | 1850.7 | MD | 31.7 | 40 | 0.79 | 8.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | President to East Broad St | 5042006 | 5042 | 1850.7 | PM | 27.0 | 40 | 0.68 | 14.6 | 0.0 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Broad St to Houston | 5042007 | 5042 | 346.8 | AM | 28.8 | 40 | 0.72 | 2.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Broad St to Houston | 5042007 | 5042 | 346.8 | MD | 30.0 | 40 | 0.75 | 1.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Broad St to Houston | 5042007 | 5042 | 346.8 | PM | 23.9 | 40 | 0.60 | 6.6 | 1.6 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Houston to Price | 5042008 | 5042 | 301.3 | AM | 33.3 | 40 | 0.83 | 1.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Houston to Price | 5042008 | 5042 | 301.3 | MD | 35.1 | 40 | 0.88 | 0.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Houston to Price | 5042008 | 5042 | 301.3 | PM | 29.7 | 40 | 0.74 | 1.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Price to Lincoln | 5042009 | 5042 | 594.7 | AM | 33.6 | 40 | 0.84 | 1.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Price to Lincoln | 5042009 | 5042 | 594.7 | MD | 34.7 | 40 | 0.87 | 1.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Price to Lincoln | 5042009 | 5042 | 594.7 | PM | 25.1 | 40 | 0.63 | 8.3 | 1.2 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lincoln to Abercorn | 5042010 | 5042 | 409.5 | AM | 32.8 | 40 | 0.82 | 1.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lincoln to Abercorn | 5042010 | 5042 | 409.5 | MD | 33.8 | 40 | 0.84 | 1.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lincoln to Abercorn | 5042010 | 5042 | 409.5 | PM | 25.1 | 40 | 0.63 | 4.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Abercorn to Drayton | 5042011 | 5042 | 346.8 | AM | 32.7 | 40 | 0.82 | 0.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Abercorn to Drayton | 5042011 | 5042 | 346.8 | MD | 33.1 | 40 | 0.83 | 1.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Abercorn to Drayton | 5042011 | 5042 | 346.8 | PM | 27.9 | 40 | 0.70 | 2.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Drayton to Bull | 5042012 | 5042 | 364.4 | AM | 31.0 | 40 | 0.78 | 2.4 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Drayton to Bull | 5042012 | 5042 | 364.4 | MD | 26.2 | 40 | 0.66 | 2.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Drayton to Bull | 5042012 | 5042 | 364.4 | PM | 27.4 | 40 | 0.68 | 1.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Bull to Whitaker | 5042013 | 5042 | 353.5 | AM | 33.4 | 40 | 0.84 | 1.3 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Bull to Whitaker | 5042013 | 5042 | 353.5 | MD | 31.5 | 40 | 0.79 | 2.7 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Bull to Whitaker | 5042013 | 5042 | 353.5 | PM | 20.4 | 40 | 0.51 | 6.4 | 1.2 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Whitaker to Barnard | 5042014 | 5042 | 373.8 | AM | 30.4 | 40 | 0.76 | 2.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Whitaker to Barnard | 5042014 | 5042 | 373.8 | MD | 32.1 | 40 | 0.80 | 1.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Whitaker to Barnard | 5042014 | 5042 | 373.8 | PM | 28.0 | 40 | 0.70 | 4.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Barnard to Montgomery | 5042015 | 5042 | 668.5 | AM | 25.3 | 40 | 0.63 | 9.8 | 2.3 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Barnard to Montgomery | 5042015 | 5042 | 668.5 | MD | 31.8 | 40 | 0.80 | 2.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Barnard to Montgomery | 5042015 | 5042 | 668.5 | PM | 26.6 | 40 | 0.67 | 6.3 | 0.2 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Montgomery to MLK | 5042016 | 5042 | 327.7 | AM | 28.3 | 40 | 0.71 | 1.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Montgomery to MLK | 5042016 | 5042 | 327.7 | MD | 15.7 | 40 | 0.39 | 22.6 | 16.7 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Montgomery to MLK | 5042016 | 5042 | 327.7 | PM | 29.6 | 40 | 0.74 | 2.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | MLK to Fahm | 5042017 | 5042 | 966.3 | AM | 32.5 | 40 | 0.81 | 3.8 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | MLK to Fahm | 5042017 | 5042 | 966.3 | MD | 38.4 | 40 | 0.96 | 1.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | MLK to Fahm | 5042017 | 5042 | 966.3 | PM | 27.8 | 40 | 0.70 | 13.4 | 4.2 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Fahm to I-16 | 5042018 | 5042 | 1078 | AM | 39.3 | 40 | 0.98 | 0.9 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Fahm to I-16 | 5042018 | 5042 | 1078 | MD | 52.1 | 40 | 1.30 | 0.2 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Fahm to I-16 | 5042018 | 5042 | 1078 | PM | 41.5 | 40 | 1.04 | 1.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-16 to East Lathrop | 5042019 | 5042 | 2845.3 | AM | 39.6 | 40 | 0.99 | 9.4 | 6.8 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-16 to East Lathrop | 5042019 | 5042 | 2845.3 | MD | 42.8 | 40 | 1.07 | 4.6 | 6.0 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-16 to East Lathrop | 5042019 | 5042 | 2845.3 | PM | 44.6 | 40 | 1.11 | 3.4 | 2.4 | Cross Street | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Lathrop to Carolan | 5042020 | 5042 | 1518.4 | AM | 33.4 | 35 | 0.96 | 4.8 | 1.1 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Lathrop to Carolan | 5042020 | 5042 | 1518.4 | MD | 30.1 | 35 | 0.86 | 7.3 | 2.6 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | East Lathrop to Carolan | 5042020 | 5042 | 1518.4 | PM | 34.7 | 35 | 0.99 | 2.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Carolan to Graham | 5042021 | 5042 | 3129.8 | AM | 35.4 | 35 | 1.01 | 7.1 | 2.8 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Carolan to Graham | 5042021 | 5042 | 3129.8 | MD | 34.8 | 35 | 1.00 | 5.3 | 4.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Carolan to Graham | 5042021 | 5042 | 3129.8 | PM | 39.1 | 35 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Graham to I-516 | 5042022 | 5042 | 610.4 | AM | 30.9 | 35 | 0.88 | 1.6 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Graham to I-516 | 5042022 | 5042 | 610.4 | MD | 42.7 | 35 | 1.22 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Graham to I-516 | 5042022 | 5042 | 610.4 | PM | 39.5 | 35 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | AM | 10.3 | 35 | 0.29 | 26.0 | 15.7 | Cross Street | E | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | MD | 17.9 | 35 | 0.51 | 25.1 | 18.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | I-516 to Lathrop | 5042023 | 5042 | 397.7 | PM | 15.9 | 35 | 0.45 | 20.2 | 13.0 | Cross Street | D | Closely spaced signals between Graham and Lathrop | Coordinate signals between Graham and Lathrop |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lathrop to Market | 5042024 | 5042 | 3727.2 | AM | 34.3 | 35 | 0.98 | 7.6 | 5.4 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lathrop to Market | 5042024 | 5042 | 3727.2 | MD | 39.6 | 35 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Lathrop to Market | 5042024 | 5042 | 3727.2 | PM | 34.7 | 35 | 0.99 | 3.3 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Market to Main St | 5042025 | 5042 | 652.2 | AM | 31.4 | 35 | 0.90 | 3.0 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Market to Main St | 5042025 | 5042 | 652.2 | MD | 18.9 | 35 | 0.54 | 14.4 | 6.3 | Signal | B | | B |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Market to Main St | 5042025 | 5042 | 652.2 | PM | 33.8 | 35 | 0.97 | 1.5 | 0.0 | Signal | A | | A |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Main St to Burnsed | 5042026 | 5042 | 799.2 | AM | 13.6 | 35 | 0.39 | 42.5 | 31.8 | Signal | D | Closely spaced signals and RR crossing | Coordinate signals between Burnsed and Market |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Main St to Burnsed | 5042026 | 5042 | 799.2 | MD | 11.0 | 35 | 0.31 | 34.3 | 19.0 | Signal | C | | C |
| BAY ST/GEN MC INTOSH/PRESIDENT/ISLAND EXPWY - WB | Main St to Burnsed | 5042026 | 5042 | 799.2 | PM | 21.5 | 35 | 0.61 | 19.1 | 10.7 | Signal | B | | B |
| ROGERS/QUACCO - NB | US 17 to Holiday | 5045001 | 5045 | 5523.5 | AM | 40.6 | 40 | 1.01 | 3.9 | 1.7 | Signal | A | | A |
| ROGERS/QUACCO - NB | US 17 to Holiday | 5045001 | 5045 | 5523.5 | MD | 42.9 | 40 | 1.07 | 0.5 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | US 17 to Holiday | 5045001 | 5045 | 5523.5 | PM | 44.1 | 40 | 1.10 | 2.4 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | Holiday to I-95 | 5045002 | 5045 | 8330.3 | AM | 42.9 | 43 | 0.99 | 20.9 | 9.2 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Holiday to I-95 | 5045002 | 5045 | 8330.3 | MD | 47.9 | 43 | 1.11 | 1.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Holiday to I-95 | 5045002 | 5045 | 8330.3 | PM | 46.4 | 43 | 1.07 | 0.7 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-95 to Pooler City Limit | 5045003 | 5045 | 7161 | AM | 48.5 | 50 | 0.97 | 9.1 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-95 to Pooler City Limit | 5045003 | 5045 | 7161 | MD | 51.1 | 50 | 1.02 | 1.6 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-95 to Pooler City Limit | 5045003 | 5045 | 7161 | PM | 51.6 | 50 | 1.03 | 4.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Pooler City Limit to Pooler City Limit | 5045004 | 5045 | 1615.3 | AM | 53.3 | 45 | 1.18 | 0.3 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Pooler City Limit to Pooler City Limit | 5045004 | 5045 | 1615.3 | MD | 51.1 | 45 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Pooler City Limit to Pooler City Limit | 5045004 | 5045 | 1615.3 | PM | 57.4 | 45 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|-------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|----------------------------------|--|
| ROGERS/QUACCO - NB | Pooler City Limit to Canal Bank Rd | 5045005 | 5045 | 2699.3 | AM | 53.3 | 45 | 1.19 | 0.7 | 0.0 | City Limit | A | | A |
| ROGERS/QUACCO - NB | Pooler City Limit to Canal Bank Rd | 5045005 | 5045 | 2699.3 | MD | 52.7 | 45 | 1.17 | 0.0 | 0.0 | City Limit | A | | A |
| ROGERS/QUACCO - NB | Pooler City Limit to Canal Bank Rd | 5045005 | 5045 | 2699.3 | PM | 53.2 | 45 | 1.18 | 0.0 | 0.0 | City Limit | A | | A |
| ROGERS/QUACCO - NB | Canal Bank Rd to Savannah Quarters | 5045006 | 5045 | 2799.1 | AM | 52.4 | 45 | 1.16 | 0.3 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Canal Bank Rd to Savannah Quarters | 5045006 | 5045 | 2799.1 | MD | 50.3 | 45 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Canal Bank Rd to Savannah Quarters | 5045006 | 5045 | 2799.1 | PM | 53.3 | 45 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Savannah Quarters to I-16 | 5045007 | 5045 | 2347.6 | AM | 54.7 | 45 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Savannah Quarters to I-16 | 5045007 | 5045 | 2347.6 | MD | 50.0 | 45 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Savannah Quarters to I-16 | 5045007 | 5045 | 2347.6 | PM | 54.7 | 45 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-16 to Quacco / Pine Barren | 5045008 | 5045 | 5291.6 | AM | 50.7 | 45 | 1.13 | 4.2 | 2.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-16 to Quacco / Pine Barren | 5045008 | 5045 | 5291.6 | MD | 47.6 | 45 | 1.06 | 3.3 | 0.6 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | I-16 to Quacco / Pine Barren | 5045008 | 5045 | 5291.6 | PM | 52.0 | 45 | 1.16 | 0.4 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - NB | Quacco / Pine Barren to Pine Barren | 5045009 | 5045 | 5038.7 | AM | 36.8 | 45 | 0.82 | 17.5 | 0.5 | Signal | B | | B |
| ROGERS/QUACCO - NB | Quacco / Pine Barren to Pine Barren | 5045009 | 5045 | 5038.7 | MD | 44.0 | 45 | 0.98 | 2.8 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | Quacco / Pine Barren to Pine Barren | 5045009 | 5045 | 5038.7 | PM | 43.7 | 45 | 0.97 | 8.7 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | AM | 26.6 | 39 | 0.68 | 73.4 | 66.0 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | MD | 24.8 | 39 | 0.63 | 94.3 | 80.5 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| ROGERS/QUACCO - NB | Pine Barren to US 80 EB | 5045010 | 5045 | 8502.8 | PM | 23.5 | 39 | 0.60 | 102.0 | 79.8 | TWSC | F | Short Distance between US 80 E/W | Signal Operations - Coordinate signals between US 80 E/W |
| ROGERS/QUACCO - NB | US 80 EB to US 80 WB | 5045011 | 5045 | 386.7 | AM | 20.4 | 35 | 0.58 | 5.7 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | US 80 EB to US 80 WB | 5045011 | 5045 | 386.7 | MD | 22.8 | 35 | 0.65 | 3.5 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - NB | US 80 EB to US 80 WB | 5045011 | 5045 | 386.7 | PM | 18.8 | 35 | 0.54 | 6.6 | 0.5 | Signal | A | | A |
| ROGERS/QUACCO - SB | US 80 WB to US 80 EB | 5046002 | 5046 | 386.7 | AM | 12.4 | 35 | 0.35 | 16.5 | 7.0 | Signal | B | | B |
| ROGERS/QUACCO - SB | US 80 WB to US 80 EB | 5046002 | 5046 | 386.7 | MD | 12.6 | 35 | 0.36 | 18.9 | 9.5 | Signal | B | | B |
| ROGERS/QUACCO - SB | US 80 WB to US 80 EB | 5046002 | 5046 | 386.7 | PM | 8.1 | 35 | 0.23 | 29.8 | 13.3 | Signal | C | | C |
| ROGERS/QUACCO - SB | US 80 EB to Pine Barren | 5046003 | 5046 | 8502.8 | AM | 32.5 | 39 | 0.83 | 31.2 | 6.3 | Signal | C | | C |
| ROGERS/QUACCO - SB | US 80 EB to Pine Barren | 5046003 | 5046 | 8502.8 | MD | 36.5 | 39 | 0.93 | 13.4 | 0.5 | Signal | B | | B |
| ROGERS/QUACCO - SB | US 80 EB to Pine Barren | 5046003 | 5046 | 8502.8 | PM | 37.7 | 39 | 0.96 | 8.8 | 0.5 | Signal | A | | A |
| ROGERS/QUACCO - SB | Pine Barren to Quacco / Pine Barren | 5046004 | 5046 | 5038.7 | AM | 34.1 | 45 | 0.76 | 24.6 | 3.3 | TWSC | C | | C |
| ROGERS/QUACCO - SB | Pine Barren to Quacco / Pine Barren | 5046004 | 5046 | 5038.7 | MD | 38.8 | 45 | 0.86 | 14.0 | 0.0 | TWSC | B | | B |
| ROGERS/QUACCO - SB | Pine Barren to Quacco / Pine Barren | 5046004 | 5046 | 5038.7 | PM | 44.5 | 45 | 0.99 | 3.9 | 0.0 | TWSC | A | | A |
| ROGERS/QUACCO - SB | Quacco / Pine Barren to I-16 | 5046005 | 5046 | 5291.6 | AM | 47.9 | 45 | 1.06 | 0.5 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - SB | Quacco / Pine Barren to I-16 | 5046005 | 5046 | 5291.6 | MD | 45.1 | 45 | 1.00 | 3.8 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - SB | Quacco / Pine Barren to I-16 | 5046005 | 5046 | 5291.6 | PM | 53.8 | 45 | 1.20 | 0.6 | 0.0 | Signal | A | | A |
| ROGERS/QUACCO - SB | I-16 to Savannah Quarters | 5046006 | 5046 | 2347.6 | AM | 51.6 | 45 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | I-16 to Savannah Quarters | 5046006 | 5046 | 2347.6 | MD | 49.3 | 45 | 1.10 | 0.1 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | I-16 to Savannah Quarters | 5046006 | 5046 | 2347.6 | PM | 57.6 | 45 | 1.28 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Savannah Quarters to Canal Bank Rd | 5046007 | 5046 | 2799.1 | AM | 52.7 | 45 | 1.17 | 0.1 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Savannah Quarters to Canal Bank Rd | 5046007 | 5046 | 2799.1 | MD | 51.2 | 45 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Savannah Quarters to Canal Bank Rd | 5046007 | 5046 | 2799.1 | PM | 55.1 | 45 | 1.22 | 0.3 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Canal Bank Rd to Pooler City Limit | 5046008 | 5046 | 2699.3 | AM | 49.2 | 45 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Canal Bank Rd to Pooler City Limit | 5046008 | 5046 | 2699.3 | MD | 49.6 | 45 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Canal Bank Rd to Pooler City Limit | 5046008 | 5046 | 2699.3 | PM | 52.0 | 45 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|--|
| ROGERS/QUACCO - SB | Pooler City Limit to Pooler City Limit | 5046009 | 5046 | 1615.3 | AM | 40.7 | 45 | 0.91 | 70.9 | 61.8 | City Limit | B | | B |
| ROGERS/QUACCO - SB | Pooler City Limit to Pooler City Limit | 5046009 | 5046 | 1615.3 | MD | 50.4 | 45 | 1.12 | 0.0 | 0.0 | City Limit | A | | A |
| ROGERS/QUACCO - SB | Pooler City Limit to Pooler City Limit | 5046009 | 5046 | 1615.3 | PM | 49.9 | 45 | 1.11 | 0.5 | 0.0 | City Limit | A | | A |
| ROGERS/QUACCO - SB | Pooler City Limit to I-95 | 5046010 | 5046 | 7161 | AM | 52.6 | 50 | 1.05 | 3.5 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Pooler City Limit to I-95 | 5046010 | 5046 | 7161 | MD | 51.3 | 50 | 1.03 | 0.8 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Pooler City Limit to I-95 | 5046010 | 5046 | 7161 | PM | 49.7 | 50 | 0.99 | 3.7 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | I-95 to Holiday | 5046011 | 5046 | 8330.3 | AM | 50.3 | 43 | 1.16 | 1.3 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | I-95 to Holiday | 5046011 | 5046 | 8330.3 | MD | 48.9 | 43 | 1.13 | 0.5 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | I-95 to Holiday | 5046011 | 5046 | 8330.3 | PM | 49.6 | 43 | 1.15 | 1.5 | 0.0 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Holiday to US 17 | 5046012 | 5046 | 5523.5 | AM | 26.4 | 40 | 0.66 | 65.8 | 51.6 | Cross Street | C | | C |
| ROGERS/QUACCO - SB | Holiday to US 17 | 5046012 | 5046 | 5523.5 | MD | 38.5 | 40 | 0.96 | 13.0 | 12.3 | Cross Street | A | | A |
| ROGERS/QUACCO - SB | Holiday to US 17 | 5046012 | 5046 | 5523.5 | PM | 35.6 | 40 | 0.89 | 27.1 | 22.8 | Cross Street | A | | A |
| DEAN FOREST/BOURNE - NB | US 17 to Southridge | 5051001 | 5051 | 11057.5 | AM | 46.1 | 45 | 1.02 | 1.4 | 0.0 | TWSC | A | | A |
| DEAN FOREST/BOURNE - NB | US 17 to Southridge | 5051001 | 5051 | 11057.5 | MD | 45.0 | 45 | 1.00 | 1.4 | 0.0 | TWSC | A | | A |
| DEAN FOREST/BOURNE - NB | US 17 to Southridge | 5051001 | 5051 | 11057.5 | PM | 44.6 | 45 | 0.99 | 8.4 | 3.2 | TWSC | A | | A |
| DEAN FOREST/BOURNE - NB | Southridge to I-16 EB Ramp | 5051002 | 5051 | 1530.4 | AM | 23.2 | 45 | 0.52 | 31.6 | 21.7 | Cross Street | D | High truck volumes | Priority IA - Widen from 2-4 between US 17 and I-16 - Consider Single Point Urban Interchange (SPUI) |
| DEAN FOREST/BOURNE - NB | Southridge to I-16 EB Ramp | 5051002 | 5051 | 1530.4 | MD | 22.7 | 45 | 0.50 | 30.6 | 21.0 | Cross Street | D | High truck volumes | Priority IA - Widen from 2-4 between US 17 and I-16 - Consider Single Point Urban Interchange (SPUI) |
| DEAN FOREST/BOURNE - NB | Southridge to I-16 EB Ramp | 5051002 | 5051 | 1530.4 | PM | 27.7 | 45 | 0.62 | 40.9 | 28.2 | Cross Street | C | | C |
| DEAN FOREST/BOURNE - NB | I-16 EB Ramp to I-16 WB Ramp | 5051003 | 5051 | 505.2 | AM | 29.9 | 45 | 0.66 | 3.8 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | I-16 EB Ramp to I-16 WB Ramp | 5051003 | 5051 | 505.2 | MD | 31.2 | 45 | 0.69 | 3.3 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | I-16 EB Ramp to I-16 WB Ramp | 5051003 | 5051 | 505.2 | PM | 35.1 | 45 | 0.78 | 2.5 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | I-16 WB Ramp to US 80 | 5051004 | 5051 | 8790.4 | AM | 41.8 | 45 | 0.93 | 18.2 | 15.5 | Signal | B | | B |
| DEAN FOREST/BOURNE - NB | I-16 WB Ramp to US 80 | 5051004 | 5051 | 8790.4 | MD | 41.4 | 45 | 0.92 | 13.7 | 8.3 | Signal | B | | B |
| DEAN FOREST/BOURNE - NB | I-16 WB Ramp to US 80 | 5051004 | 5051 | 8790.4 | PM | 40.7 | 45 | 0.90 | 21.7 | 17.4 | Signal | C | | C |
| DEAN FOREST/BOURNE - NB | US 80 to Old Louisville Rd | 5051005 | 5051 | 1555.5 | AM | 43.8 | 45 | 0.97 | 1.0 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | US 80 to Old Louisville Rd | 5051005 | 5051 | 1555.5 | MD | 42.0 | 45 | 0.93 | 1.8 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | US 80 to Old Louisville Rd | 5051005 | 5051 | 1555.5 | PM | 44.8 | 45 | 1.00 | 1.3 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | Old Louisville Rd to Davidson | 5051006 | 5051 | 8751.6 | AM | 51.2 | 45 | 1.14 | 0.8 | 1.0 | Flashing Yellow | A | | A |
| DEAN FOREST/BOURNE - NB | Old Louisville Rd to Davidson | 5051006 | 5051 | 8751.6 | MD | 52.7 | 45 | 1.17 | 0.0 | 0.0 | Flashing Yellow | A | | A |
| DEAN FOREST/BOURNE - NB | Old Louisville Rd to Davidson | 5051006 | 5051 | 8751.6 | PM | 51.4 | 45 | 1.14 | 0.0 | 0.8 | Flashing Yellow | A | | A |
| DEAN FOREST/BOURNE - NB | Davidson to Garden City City Limit | 5051007 | 5051 | 4474.9 | AM | 47.8 | 45 | 1.06 | 1.0 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | Davidson to Garden City City Limit | 5051007 | 5051 | 4474.9 | MD | 47.6 | 45 | 1.06 | 1.7 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | Davidson to Garden City City Limit | 5051007 | 5051 | 4474.9 | PM | 45.7 | 45 | 1.02 | 2.1 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | AM | 18.9 | 45 | 0.42 | 120.0 | 84.3 | Cross Street | E | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | MD | 17.4 | 45 | 0.39 | 96.9 | 63.7 | Cross Street | E | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - NB | Garden City City Limit to SH 21 | 5051008 | 5051 | 2474.6 | PM | 26.1 | 45 | 0.58 | 67.7 | 36.0 | Cross Street | D | Funded Project for construction FY 2004-06 (PRC) | PI #562165 will widen to include center turn lane, lengthen bay for EB Rt across RR tracks |
| DEAN FOREST/BOURNE - NB | SH 21 to SH 25 | 5051009 | 5051 | 5674.7 | AM | 36.5 | 45 | 0.81 | 23.9 | 4.5 | Signal | C | | C |
| DEAN FOREST/BOURNE - NB | SH 21 to SH 25 | 5051009 | 5051 | 5674.7 | MD | 31.9 | 45 | 0.71 | 53.0 | 21.7 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|--|
| DEAN FOREST/BOURNE - NB | SH 21 to SH 25 | 5051009 | 5051 | 5674.7 | PM | 44.2 | 45 | 0.98 | 4.6 | 2.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | AM | 22.9 | 45 | 0.51 | 104.9 | 93.8 | Signal | F | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | MD | 27.7 | 45 | 0.62 | 72.5 | 56.7 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| DEAN FOREST/BOURNE - SB | SH 25 to SH 21 | 5052002 | 5052 | 5674.7 | PM | 27.8 | 45 | 0.62 | 66.7 | 38.8 | Signal | E | Heavy Truck Traffic, construction detour | High Percentage of Trucks and many stopped for queuing at Port - Widen shoulder to provide storage |
| DEAN FOREST/BOURNE - SB | SH 21 to Garden City City Limit | 5052003 | 5052 | 2474.6 | AM | 45.6 | 45 | 1.01 | 0.7 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | SH 21 to Garden City City Limit | 5052003 | 5052 | 2474.6 | MD | 42.7 | 45 | 0.95 | 2.6 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | SH 21 to Garden City City Limit | 5052003 | 5052 | 2474.6 | PM | 38.2 | 45 | 0.85 | 7.1 | 0.2 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | Garden City City Limit to Davidson | 5052004 | 5052 | 4474.9 | AM | 38.6 | 45 | 0.86 | 18.0 | 10.6 | Cross Street | B | | B |
| DEAN FOREST/BOURNE - SB | Garden City City Limit to Davidson | 5052004 | 5052 | 4474.9 | MD | 43.6 | 45 | 0.97 | 3.9 | 0.0 | Cross Street | A | | A |
| DEAN FOREST/BOURNE - SB | Garden City City Limit to Davidson | 5052004 | 5052 | 4474.9 | PM | 40.7 | 45 | 0.90 | 10.3 | 5.2 | Cross Street | B | | B |
| DEAN FOREST/BOURNE - SB | Davidson to Old Louisville Rd | 5052005 | 5052 | 8751.6 | AM | 51.2 | 45 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | Davidson to Old Louisville Rd | 5052005 | 5052 | 8751.6 | MD | 50.7 | 45 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | Davidson to Old Louisville Rd | 5052005 | 5052 | 8751.6 | PM | 51.7 | 45 | 1.15 | 0.6 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | AM | 28.2 | 45 | 0.63 | 26.0 | 17.6 | Flashing Yellow | C | | C |
| DEAN FOREST/BOURNE - SB | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | MD | 21.8 | 45 | 0.48 | 25.8 | 13.7 | Flashing Yellow | D | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| DEAN FOREST/BOURNE - SB | Old Louisville Rd to US 80 | 5052006 | 5052 | 1555.5 | PM | 13.1 | 45 | 0.29 | 66.7 | 49.3 | Flashing Yellow | F | Excessive Delay at US 80 | Priority IC - Operational will improve corridor operations at US 80 |
| DEAN FOREST/BOURNE - SB | US 80 to I-16 WB Ramp | 5052007 | 5052 | 8790.4 | AM | 44.1 | 45 | 0.98 | 4.6 | 1.8 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | US 80 to I-16 WB Ramp | 5052007 | 5052 | 8790.4 | MD | 47.7 | 45 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | US 80 to I-16 WB Ramp | 5052007 | 5052 | 8790.4 | PM | 42.1 | 45 | 0.93 | 13.7 | 7.0 | Signal | B | | B |
| DEAN FOREST/BOURNE - SB | I-16 WB Ramp to I-16 EB Ramp | 5052008 | 5052 | 505.2 | AM | 31.7 | 45 | 0.70 | 3.1 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | I-16 WB Ramp to I-16 EB Ramp | 5052008 | 5052 | 505.2 | MD | 32.9 | 45 | 0.73 | 2.5 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | I-16 WB Ramp to I-16 EB Ramp | 5052008 | 5052 | 505.2 | PM | 32.5 | 45 | 0.72 | 2.8 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | I-16 EB Ramp to Southridge | 5052009 | 5052 | 1530.4 | AM | 46.3 | 45 | 1.03 | 0.3 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | I-16 EB Ramp to Southridge | 5052009 | 5052 | 1530.4 | MD | 44.9 | 45 | 1.00 | 0.9 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | I-16 EB Ramp to Southridge | 5052009 | 5052 | 1530.4 | PM | 39.5 | 45 | 0.88 | 3.6 | 0.0 | Signal | A | | A |
| DEAN FOREST/BOURNE - SB | Southridge to US 17 | 5052010 | 5052 | 11057.5 | AM | 43.6 | 45 | 0.97 | 6.8 | 5.8 | Cross Street | A | | A |
| DEAN FOREST/BOURNE - SB | Southridge to US 17 | 5052010 | 5052 | 11057.5 | MD | 43.8 | 45 | 0.97 | 6.0 | 5.3 | Cross Street | A | | A |
| DEAN FOREST/BOURNE - SB | Southridge to US 17 | 5052010 | 5052 | 11057.5 | PM | 41.2 | 45 | 0.92 | 22.6 | 15.0 | Cross Street | B | | B |
| CHATHAM PKWY - NB | Girrad to Veterans Pkwy | 5055001 | 5055 | 2133.8 | AM | 31.4 | 40 | 0.79 | 9.5 | 0.0 | Cross Street | B | | B |
| CHATHAM PKWY - NB | Girrad to Veterans Pkwy | 5055001 | 5055 | 2133.8 | MD | 41.3 | 40 | 1.03 | 1.3 | 0.0 | Cross Street | A | | A |
| CHATHAM PKWY - NB | Girrad to Veterans Pkwy | 5055001 | 5055 | 2133.8 | PM | 40.6 | 40 | 1.01 | 0.6 | 0.0 | Cross Street | A | | A |
| CHATHAM PKWY - NB | Veterens Pkwy to US 17 | 5055002 | 5055 | 3586.2 | AM | 26.0 | 40 | 0.65 | 33.2 | 20.3 | Cross Street | C | | C |
| CHATHAM PKWY - NB | Veterens Pkwy to US 17 | 5055002 | 5055 | 3586.2 | MD | 31.3 | 40 | 0.78 | 19.1 | 18.5 | Cross Street | B | | B |
| CHATHAM PKWY - NB | Veterens Pkwy to US 17 | 5055002 | 5055 | 3586.2 | PM | 22.9 | 40 | 0.57 | 49.8 | 37.0 | Cross Street | C | | C |
| CHATHAM PKWY - NB | US 17 to I-16 EB Ramp | 5055003 | 5055 | 8648.5 | AM | 42.5 | 45 | 0.94 | 8.0 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - NB | US 17 to I-16 EB Ramp | 5055003 | 5055 | 8648.5 | MD | 43.9 | 45 | 0.97 | 12.1 | 5.5 | Signal | B | | B |
| CHATHAM PKWY - NB | US 17 to I-16 EB Ramp | 5055003 | 5055 | 8648.5 | PM | 43.0 | 45 | 0.96 | 8.1 | 3.3 | Signal | A | | A |
| CHATHAM PKWY - NB | I-16 EB Ramp to I-16 WB Ramp | 5055004 | 5055 | 994.7 | AM | 37.8 | 45 | 0.84 | 2.2 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|-----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| CHATHAM PKWY - NB | I-16 EB Ramp to I-16 WB Ramp | 5055004 | 5055 | 994.7 | MD | 36.5 | 45 | 0.81 | 4.8 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - NB | I-16 EB Ramp to I-16 WB Ramp | 5055004 | 5055 | 994.7 | PM | 28.7 | 45 | 0.64 | 11.3 | 3.7 | Signal | B | | B |
| CHATHAM PKWY - NB | I-16 WB Ramp to US 80 | 5055005 | 5055 | 5761.9 | AM | 35.5 | 45 | 0.79 | 25.9 | 3.7 | Signal | C | | C |
| CHATHAM PKWY - NB | I-16 WB Ramp to US 80 | 5055005 | 5055 | 5761.9 | MD | 44.0 | 45 | 0.98 | 2.1 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - NB | I-16 WB Ramp to US 80 | 5055005 | 5055 | 5761.9 | PM | 39.2 | 45 | 0.87 | 19.6 | 8.3 | Signal | B | | B |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | AM | 38.2 | 45 | 0.85 | 15.1 | 0.0 | Signal | B | | B |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | MD | 39.3 | 45 | 0.87 | 12.9 | 3.0 | Signal | B | | B |
| CHATHAM PKWY - SB | US 80 to I-16 WB Ramp | 5056002 | 5056 | 5761.9 | PM | 31.8 | 45 | 0.71 | 36.6 | 17.0 | Signal | D | Lone signal after long distance uncontrolled leads to random arrivals | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| CHATHAM PKWY - SB | I-16 WB Ramp to I-16 EB Ramp | 5056003 | 5056 | 994.7 | AM | 31.1 | 45 | 0.69 | 7.1 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | I-16 WB Ramp to I-16 EB Ramp | 5056003 | 5056 | 994.7 | MD | 39.8 | 45 | 0.88 | 2.3 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | I-16 WB Ramp to I-16 EB Ramp | 5056003 | 5056 | 994.7 | PM | 33.0 | 45 | 0.73 | 5.2 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | AM | 37.4 | 45 | 0.83 | 30.8 | 17.3 | Signal | C | | C |
| CHATHAM PKWY - SB | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | MD | 40.1 | 45 | 0.89 | 23.5 | 18.0 | Signal | C | | C |
| CHATHAM PKWY - SB | I-16 EB Ramp to US 17 | 5056004 | 5056 | 8648.5 | PM | 33.5 | 45 | 0.74 | 54.7 | 41.7 | Signal | D | Study further for WB and SB right turn bays | Signal Operations - sufficient roadway capacity, excessive intersection delay |
| CHATHAM PKWY - SB | US 17 to Veterans Pkwy | 5056005 | 5056 | 3586.2 | AM | 39.9 | 40 | 1.00 | 2.4 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | US 17 to Veterans Pkwy | 5056005 | 5056 | 3586.2 | MD | 42.8 | 40 | 1.07 | 1.0 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | US 17 to Veterans Pkwy | 5056005 | 5056 | 3586.2 | PM | 43.1 | 40 | 1.08 | 0.0 | 0.0 | Signal | A | | A |
| CHATHAM PKWY - SB | Veterans Pkwy to Girrad | 5056006 | 5056 | 2133.8 | AM | 30.2 | 40 | 0.75 | 12.6 | 3.7 | Cross Street | B | | B |
| CHATHAM PKWY - SB | Veterans Pkwy to Girrad | 5056006 | 5056 | 2133.8 | MD | 31.4 | 40 | 0.79 | 9.8 | 3.3 | Cross Street | B | | B |
| CHATHAM PKWY - SB | Veterans Pkwy to Girrad | 5056006 | 5056 | 2133.8 | PM | 33.2 | 40 | 0.83 | 7.4 | 2.7 | Cross Street | B | | B |
| VETERANS PKWY - EB | Abercorn to Little Ogeechee River | 5057001 | 5057 | 6461.2 | AM | 56.6 | 55 | 1.03 | 2.5 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Abercorn to Little Ogeechee River | 5057001 | 5057 | 6461.2 | MD | 53.0 | 55 | 0.96 | 3.2 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Abercorn to Little Ogeechee River | 5057001 | 5057 | 6461.2 | PM | 57.8 | 55 | 1.05 | 1.5 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Little Ogeechee River to RR | 5057002 | 5057 | 14042.2 | AM | 64.3 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Little Ogeechee River to RR | 5057002 | 5057 | 14042.2 | MD | 59.3 | 55 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Little Ogeechee River to RR | 5057002 | 5057 | 14042.2 | PM | 61.0 | 55 | 1.11 | 0.6 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | RR to Chatham Pkwy | 5057003 | 5057 | 4389.7 | AM | 62.4 | 55 | 1.14 | 1.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | RR to Chatham Pkwy | 5057003 | 5057 | 4389.7 | MD | 60.8 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | RR to Chatham Pkwy | 5057003 | 5057 | 4389.7 | PM | 61.6 | 55 | 1.12 | 0.2 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Chatham Pkwy to SH 21 | 5057004 | 5057 | 5909.5 | AM | 55.5 | 55 | 1.01 | 2.4 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Chatham Pkwy to SH 21 | 5057004 | 5057 | 5909.5 | MD | 53.5 | 55 | 0.97 | 2.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - EB | Chatham Pkwy to SH 21 | 5057004 | 5057 | 5909.5 | PM | 62.2 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | SH 21 to Chatham Pkwy | 5058002 | 5058 | 5909.5 | AM | 53.7 | 55 | 0.98 | 3.6 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | SH 21 to Chatham Pkwy | 5058002 | 5058 | 5909.5 | MD | 54.5 | 55 | 0.99 | 1.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | SH 21 to Chatham Pkwy | 5058002 | 5058 | 5909.5 | PM | 56.7 | 55 | 1.03 | 2.4 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Chatham Pkwy to RR | 5058003 | 5058 | 4389.8 | AM | 61.3 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Chatham Pkwy to RR | 5058003 | 5058 | 4389.8 | MD | 58.5 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Chatham Pkwy to RR | 5058003 | 5058 | 4389.8 | PM | 64.1 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | RR to Little Ogeechee River | 5058004 | 5058 | 14042.2 | AM | 61.0 | 55 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | RR to Little Ogeechee River | 5058004 | 5058 | 14042.2 | MD | 60.2 | 55 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | RR to Little Ogeechee River | 5058004 | 5058 | 14042.2 | PM | 63.3 | 55 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Little Ogeechee River to Abercorn | 5058005 | 5058 | 6461.1 | AM | 56.3 | 55 | 1.02 | 3.5 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Little Ogeechee River to Abercorn | 5058005 | 5058 | 6461.1 | MD | 53.8 | 55 | 0.98 | 3.5 | 0.0 | Cross Street | A | | A |
| VETERANS PKWY - WB | Little Ogeechee River to Abercorn | 5058005 | 5058 | 6461.1 | PM | 60.2 | 55 | 1.10 | 1.0 | 0.0 | Cross Street | A | | A |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | AM | 16.9 | 35 | 0.48 | 41.1 | 21.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | MD | 20.0 | 35 | 0.57 | 27.6 | 19.0 | Signal | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|-------------------------------|---|
| MARTIN LUTHER KING - NB | Exchange/52nd St to Victory | 5059001 | 5059 | 1908 | PM | 15.4 | 35 | 0.44 | 45.2 | 25.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - NB | Victory to 37th St | 5059002 | 5059 | 1760.9 | AM | 22.1 | 35 | 0.63 | 22.2 | 8.0 | Signal | C | | C |
| MARTIN LUTHER KING - NB | Victory to 37th St | 5059002 | 5059 | 1760.9 | MD | 13.6 | 35 | 0.39 | 52.9 | 39.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - NB | Victory to 37th St | 5059002 | 5059 | 1760.9 | PM | 19.4 | 35 | 0.56 | 26.9 | 16.0 | Signal | C | | C |
| MARTIN LUTHER KING - NB | 37th St to Anderson | 5059003 | 5059 | 2045.8 | AM | 24.5 | 35 | 0.70 | 24.4 | 17.7 | Signal | C | | C |
| MARTIN LUTHER KING - NB | 37th St to Anderson | 5059003 | 5059 | 2045.8 | MD | 26.6 | 35 | 0.76 | 16.1 | 11.0 | Signal | B | | B |
| MARTIN LUTHER KING - NB | 37th St to Anderson | 5059003 | 5059 | 2045.8 | PM | 17.5 | 35 | 0.50 | 42.8 | 30.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - NB | Anderson to Henry | 5059004 | 5059 | 302.4 | AM | 29.9 | 35 | 0.85 | 0.6 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Anderson to Henry | 5059004 | 5059 | 302.4 | MD | 28.1 | 35 | 0.80 | 1.5 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Anderson to Henry | 5059004 | 5059 | 302.4 | PM | 26.2 | 35 | 0.75 | 7.9 | 0.3 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Henry to Gwinnett | 5059005 | 5059 | 1516.7 | AM | 33.6 | 35 | 0.96 | 2.8 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Henry to Gwinnett | 5059005 | 5059 | 1516.7 | MD | 25.8 | 35 | 0.74 | 12.5 | 9.7 | Signal | B | | B |
| MARTIN LUTHER KING - NB | Henry to Gwinnett | 5059005 | 5059 | 1516.7 | PM | 28.6 | 35 | 0.82 | 8.5 | 4.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gwinnett to Gaston | 5059006 | 5059 | 1143.4 | AM | 35.3 | 35 | 1.01 | 0.3 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gwinnett to Gaston | 5059006 | 5059 | 1143.4 | MD | 35.0 | 35 | 1.00 | 0.4 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gwinnett to Gaston | 5059006 | 5059 | 1143.4 | PM | 28.6 | 35 | 0.82 | 5.0 | 2.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gaston to I-16 | 5059007 | 5059 | 531.3 | AM | 30.0 | 35 | 0.86 | 3.0 | 1.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gaston to I-16 | 5059007 | 5059 | 531.3 | MD | 28.6 | 35 | 0.82 | 2.9 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Gaston to I-16 | 5059007 | 5059 | 531.3 | PM | 33.8 | 35 | 0.97 | 0.6 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | I-16 to Liberty | 5059008 | 5059 | 1048.7 | AM | 16.5 | 35 | 0.47 | 30.5 | 19.3 | Signal | C | | C |
| MARTIN LUTHER KING - NB | I-16 to Liberty | 5059008 | 5059 | 1048.7 | MD | 31.8 | 35 | 0.91 | 2.0 | 1.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | I-16 to Liberty | 5059008 | 5059 | 1048.7 | PM | 37.2 | 35 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Liberty to Oglethorpe | 5059009 | 5059 | 1036.4 | AM | 31.1 | 35 | 0.89 | 2.4 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Liberty to Oglethorpe | 5059009 | 5059 | 1036.4 | MD | 32.0 | 35 | 0.91 | 2.4 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Liberty to Oglethorpe | 5059009 | 5059 | 1036.4 | PM | 31.8 | 35 | 0.91 | 1.9 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Oglethorpe to Broughton | 5059010 | 5059 | 714.8 | AM | 35.6 | 35 | 1.02 | 0.1 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Oglethorpe to Broughton | 5059010 | 5059 | 714.8 | MD | 35.6 | 35 | 1.02 | 0.6 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Oglethorpe to Broughton | 5059010 | 5059 | 714.8 | PM | 33.9 | 35 | 0.97 | 0.5 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - NB | Broughton to Bay St | 5059011 | 5059 | 771.2 | AM | 15.4 | 35 | 0.44 | 33.0 | 24.0 | Signal | C | | C |
| MARTIN LUTHER KING - NB | Broughton to Bay St | 5059011 | 5059 | 771.2 | MD | 7.4 | 35 | 0.21 | 60.6 | 48.3 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - NB | Broughton to Bay St | 5059011 | 5059 | 771.2 | PM | 10.0 | 35 | 0.29 | 46.8 | 30.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Bay St to Broughton | 5060002 | 5060 | 771.1 | AM | 24.5 | 35 | 0.70 | 7.6 | 1.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Bay St to Broughton | 5060002 | 5060 | 771.1 | MD | 32.0 | 35 | 0.92 | 1.9 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Bay St to Broughton | 5060002 | 5060 | 771.1 | PM | 22.7 | 35 | 0.65 | 10.2 | 4.3 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Broughton to Oglethorpe | 5060003 | 5060 | 714.8 | AM | 21.0 | 35 | 0.60 | 18.1 | 11.3 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Broughton to Oglethorpe | 5060003 | 5060 | 714.8 | MD | 9.1 | 35 | 0.26 | 46.2 | 33.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Broughton to Oglethorpe | 5060003 | 5060 | 714.8 | PM | 12.5 | 35 | 0.36 | 39.9 | 24.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | AM | 10.2 | 35 | 0.29 | 49.9 | 35.9 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | MD | 10.5 | 35 | 0.30 | 45.5 | 31.7 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Oglethorpe to Liberty | 5060004 | 5060 | 1036.5 | PM | 10.3 | 35 | 0.29 | 47.1 | 31.6 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Liberty to I-16 | 5060005 | 5060 | 1048.6 | AM | 33.0 | 35 | 0.94 | 1.5 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Liberty to I-16 | 5060005 | 5060 | 1048.6 | MD | 33.6 | 35 | 0.96 | 0.9 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Liberty to I-16 | 5060005 | 5060 | 1048.6 | PM | 29.9 | 35 | 0.85 | 3.8 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | I-16 to Gaston | 5060006 | 5060 | 531.3 | AM | 37.7 | 35 | 1.08 | 0.2 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | I-16 to Gaston | 5060006 | 5060 | 531.3 | MD | 37.8 | 35 | 1.08 | 0.0 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | I-16 to Gaston | 5060006 | 5060 | 531.3 | PM | 33.3 | 35 | 0.95 | 1.6 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Gaston to Gwinnett | 5060007 | 5060 | 1143.4 | AM | 35.7 | 35 | 1.02 | 0.8 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Gaston to Gwinnett | 5060007 | 5060 | 1143.4 | MD | 36.9 | 35 | 1.06 | 0.5 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Gaston to Gwinnett | 5060007 | 5060 | 1143.4 | PM | 17.4 | 35 | 0.50 | 27.3 | 17.0 | Signal | C | | C |
| MARTIN LUTHER KING - SB | Gwinnett to Henry | 5060008 | 5060 | 1516.8 | AM | 34.5 | 35 | 0.99 | 1.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-------------------------|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------------------|---|
| MARTIN LUTHER KING - SB | Gwinnett to Henry | 5060008 | 5060 | 1516.8 | MD | 37.0 | 35 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Gwinnett to Henry | 5060008 | 5060 | 1516.8 | PM | 24.3 | 35 | 0.69 | 16.8 | 5.0 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Henry to Anderson | 5060009 | 5060 | 302.4 | AM | 15.8 | 35 | 0.45 | 17.9 | 12.0 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Henry to Anderson | 5060009 | 5060 | 302.4 | MD | 33.3 | 35 | 0.95 | 1.2 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Henry to Anderson | 5060009 | 5060 | 302.4 | PM | 13.5 | 35 | 0.39 | 13.4 | 5.2 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Anderson to 37th St | 5060010 | 5060 | 2045.7 | AM | 24.6 | 35 | 0.70 | 20.9 | 13.8 | Signal | C | | C |
| MARTIN LUTHER KING - SB | Anderson to 37th St | 5060010 | 5060 | 2045.7 | MD | 18.3 | 35 | 0.52 | 38.1 | 24.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | Anderson to 37th St | 5060010 | 5060 | 2045.7 | PM | 29.8 | 35 | 0.85 | 7.2 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | 37th St to Victory | 5060011 | 5060 | 1760.9 | AM | 17.1 | 35 | 0.49 | 36.4 | 25.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | 37th St to Victory | 5060011 | 5060 | 1760.9 | MD | 15.1 | 35 | 0.43 | 44.4 | 35.5 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - MLK is lacking timing for progression, Coordinate signal timing along corridor |
| MARTIN LUTHER KING - SB | 37th St to Victory | 5060011 | 5060 | 1760.9 | PM | 21.6 | 35 | 0.62 | 22.4 | 5.2 | Signal | C | | C |
| MARTIN LUTHER KING - SB | Victory to Exchange/52nd St | 5060012 | 5060 | 1908 | AM | 25.3 | 35 | 0.72 | 14.4 | 5.3 | Signal | B | | B |
| MARTIN LUTHER KING - SB | Victory to Exchange/52nd St | 5060012 | 5060 | 1908 | MD | 34.2 | 35 | 0.98 | 2.3 | 0.0 | Signal | A | | A |
| MARTIN LUTHER KING - SB | Victory to Exchange/52nd St | 5060012 | 5060 | 1908 | PM | 26.3 | 35 | 0.75 | 13.5 | 3.2 | Signal | B | | B |
| MONTGOMERY - NB | DeRenne to Church Driveway | 5061002 | 5061 | 1359.8 | AM | 28.6 | 27 | 1.06 | 3.0 | 2.9 | Signal | A | | A |
| MONTGOMERY - NB | DeRenne to Church Driveway | 5061002 | 5061 | 1359.8 | MD | 32.0 | 34 | 0.95 | 4.3 | 1.1 | Signal | A | | A |
| MONTGOMERY - NB | DeRenne to Church Driveway | 5061002 | 5061 | 1359.8 | PM | 29.6 | 35 | 0.85 | 4.6 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Church Driveway to 54th St | 5061003 | 5061 | 4551.1 | AM | 37.1 | 37 | 1.00 | 3.3 | 0.2 | Signal | A | | A |
| MONTGOMERY - NB | Church Driveway to 54th St | 5061003 | 5061 | 4551.1 | MD | 36.8 | 37 | 0.98 | 7.4 | 2.6 | Signal | A | | A |
| MONTGOMERY - NB | Church Driveway to 54th St | 5061003 | 5061 | 4551.1 | PM | 29.2 | 37 | 0.78 | 24.2 | 6.0 | Signal | C | | C |
| MONTGOMERY - NB | 54th St to 52nd St | 5061004 | 5061 | 541 | AM | 30.6 | 35 | 0.87 | 3.4 | 0.6 | Signal | A | | A |
| MONTGOMERY - NB | 54th St to 52nd St | 5061004 | 5061 | 541 | MD | 31.4 | 35 | 0.90 | 3.4 | 1.3 | Signal | A | | A |
| MONTGOMERY - NB | 54th St to 52nd St | 5061004 | 5061 | 541 | PM | 22.5 | 35 | 0.64 | 8.1 | 3.0 | Signal | A | | A |
| MONTGOMERY - NB | 52nd St to Exchange | 5061005 | 5061 | 1022.7 | AM | 33.3 | 35 | 0.95 | 2.1 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | 52nd St to Exchange | 5061005 | 5061 | 1022.7 | MD | 38.5 | 35 | 1.10 | 0.3 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | 52nd St to Exchange | 5061005 | 5061 | 1022.7 | PM | 32.4 | 35 | 0.92 | 2.8 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Exchange to Victory | 5061006 | 5061 | 1456.6 | AM | 18.8 | 35 | 0.54 | 30.0 | 16.0 | Signal | C | | C |
| MONTGOMERY - NB | Exchange to Victory | 5061006 | 5061 | 1456.6 | MD | 21.7 | 35 | 0.62 | 25.3 | 15.2 | Signal | C | | C |
| MONTGOMERY - NB | Exchange to Victory | 5061006 | 5061 | 1456.6 | PM | 16.2 | 35 | 0.46 | 33.8 | 15.6 | Signal | C | | C |
| MONTGOMERY - NB | Victory to 37th St | 5061007 | 5061 | 1832.1 | AM | 23.4 | 35 | 0.67 | 27.2 | 18.2 | Signal | C | | C |
| MONTGOMERY - NB | Victory to 37th St | 5061007 | 5061 | 1832.1 | MD | 19.1 | 35 | 0.55 | 33.0 | 16.8 | Signal | C | | C |
| MONTGOMERY - NB | Victory to 37th St | 5061007 | 5061 | 1832.1 | PM | 16.0 | 35 | 0.46 | 49.4 | 25.9 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - NB | 37th St to Anderson | 5061008 | 5061 | 2050.9 | AM | 26.4 | 30 | 0.88 | 10.4 | 8.5 | Signal | B | | B |
| MONTGOMERY - NB | 37th St to Anderson | 5061008 | 5061 | 2050.9 | MD | 23.7 | 30 | 0.79 | 21.8 | 13.2 | Signal | C | | C |
| MONTGOMERY - NB | 37th St to Anderson | 5061008 | 5061 | 2050.9 | PM | 20.9 | 30 | 0.70 | 26.4 | 16.4 | Signal | C | | C |
| MONTGOMERY - NB | Anderson to Henry | 5061009 | 5061 | 310 | AM | 23.8 | 30 | 0.79 | 5.1 | 2.8 | Signal | A | | A |
| MONTGOMERY - NB | Anderson to Henry | 5061009 | 5061 | 310 | MD | 21.2 | 30 | 0.71 | 11.2 | 6.7 | Signal | B | | B |
| MONTGOMERY - NB | Anderson to Henry | 5061009 | 5061 | 310 | PM | 19.1 | 30 | 0.64 | 8.7 | 3.8 | Signal | A | | A |
| MONTGOMERY - NB | Henry to Gwinnett | 5061010 | 5061 | 1506 | AM | 26.5 | 30 | 0.88 | 9.1 | 6.3 | Signal | A | | A |
| MONTGOMERY - NB | Henry to Gwinnett | 5061010 | 5061 | 1506 | MD | 21.6 | 30 | 0.72 | 16.8 | 12.8 | Signal | B | | B |
| MONTGOMERY - NB | Henry to Gwinnett | 5061010 | 5061 | 1506 | PM | 19.5 | 30 | 0.65 | 21.3 | 11.6 | Signal | C | | C |
| MONTGOMERY - NB | Gwinnett to I-16 Ramp Merges | 5061011 | 5061 | 1865.5 | AM | 33.5 | 30 | 1.12 | 0.3 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Gwinnett to I-16 Ramp Merges | 5061011 | 5061 | 1865.5 | MD | 34.4 | 30 | 1.15 | 0.1 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Gwinnett to I-16 Ramp Merges | 5061011 | 5061 | 1865.5 | PM | 32.5 | 30 | 1.08 | 0.1 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | I-16 Ramp Merges to Liberty | 5061012 | 5061 | 907.7 | AM | 23.9 | 30 | 0.80 | 10.0 | 5.6 | Cross Street | B | | B |
| MONTGOMERY - NB | I-16 Ramp Merges to Liberty | 5061012 | 5061 | 907.7 | MD | 26.2 | 30 | 0.87 | 12.3 | 9.7 | Cross Street | A | | A |
| MONTGOMERY - NB | I-16 Ramp Merges to Liberty | 5061012 | 5061 | 907.7 | PM | 16.9 | 30 | 0.56 | 26.3 | 18.8 | Cross Street | C | | C |
| MONTGOMERY - NB | Liberty to Oglethorpe | 5061013 | 5061 | 903.4 | AM | 28.8 | 30 | 0.96 | 2.3 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Liberty to Oglethorpe | 5061013 | 5061 | 903.4 | MD | 15.8 | 30 | 0.53 | 30.2 | 23.2 | Signal | C | | C |
| MONTGOMERY - NB | Liberty to Oglethorpe | 5061013 | 5061 | 903.4 | PM | 25.8 | 30 | 0.86 | 4.3 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Oglethorpe to Broughton | 5061014 | 5061 | 804.2 | AM | 16.9 | 30 | 0.56 | 21.6 | 11.4 | Signal | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| MONTGOMERY - NB | Oglethorpe to Broughton | 5061014 | 5061 | 804.2 | MD | 11.9 | 30 | 0.40 | 30.6 | 15.0 | Signal | C | | C |
| MONTGOMERY - NB | Oglethorpe to Broughton | 5061014 | 5061 | 804.2 | PM | 11.9 | 30 | 0.40 | 40.5 | 23.2 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - NB | Broughton to Franklin SQ S | 5061015 | 5061 | 252.7 | AM | 20.3 | 30 | 0.68 | 2.5 | 0.0 | Cross Street | B | | B |
| MONTGOMERY - NB | Broughton to Franklin SQ S | 5061015 | 5061 | 252.7 | MD | 17.2 | 30 | 0.57 | 3.9 | 0.0 | Cross Street | C | | C |
| MONTGOMERY - NB | Broughton to Franklin SQ S | 5061015 | 5061 | 252.7 | PM | 18.2 | 30 | 0.61 | 4.2 | 0.0 | Cross Street | C | | C |
| MONTGOMERY - NB | Franklin SQ S to Franklin SQ N | 5061016 | 5061 | 318.2 | AM | 15.6 | 30 | 0.52 | 5.6 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Franklin SQ S to Franklin SQ N | 5061016 | 5061 | 318.2 | MD | 14.6 | 30 | 0.49 | 6.9 | 0.7 | Signal | A | | A |
| MONTGOMERY - NB | Franklin SQ S to Franklin SQ N | 5061016 | 5061 | 318.2 | PM | 13.3 | 30 | 0.44 | 7.2 | 0.0 | Signal | A | | A |
| MONTGOMERY - NB | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | AM | 5.9 | 30 | 0.20 | 31.8 | 20.6 | Cross Street | F | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - NB | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | MD | 4.8 | 30 | 0.16 | 46.7 | 36.2 | Cross Street | F | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - NB | Franklin SQ N to Bay St | 5061017 | 5061 | 247.1 | PM | 9.4 | 30 | 0.31 | 25.3 | 14.8 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | I-16 Ramp Merges to Gwinnett | 5062001 | 5062 | 1865.5 | AM | 24.9 | 30 | 0.83 | 12.1 | 5.0 | Cross Street | B | | B |
| MONTGOMERY - SB | I-16 Ramp Merges to Gwinnett | 5062001 | 5062 | 1865.5 | MD | 26.7 | 30 | 0.89 | 5.2 | 0.0 | Cross Street | A | | A |
| MONTGOMERY - SB | I-16 Ramp Merges to Gwinnett | 5062001 | 5062 | 1865.5 | PM | 30.5 | 30 | 1.02 | 0.2 | 0.0 | Cross Street | A | | A |
| MONTGOMERY - SB | Gwinnett to Henry | 5062002 | 5062 | 1506 | AM | 26.4 | 30 | 0.88 | 12.6 | 9.4 | Signal | B | | B |
| MONTGOMERY - SB | Gwinnett to Henry | 5062002 | 5062 | 1506 | MD | 24.5 | 30 | 0.82 | 17.8 | 16.4 | Signal | B | | B |
| MONTGOMERY - SB | Gwinnett to Henry | 5062002 | 5062 | 1506 | PM | 27.4 | 30 | 0.91 | 12.9 | 8.7 | Signal | B | | B |
| MONTGOMERY - SB | Henry to Anderson | 5062003 | 5062 | 309.9 | AM | 28.2 | 30 | 0.94 | 0.6 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Henry to Anderson | 5062003 | 5062 | 309.9 | MD | 27.8 | 30 | 0.93 | 2.3 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Henry to Anderson | 5062003 | 5062 | 309.9 | PM | 22.4 | 30 | 0.75 | 3.4 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Anderson to 37th St | 5062004 | 5062 | 2050.9 | AM | 23.6 | 30 | 0.79 | 18.3 | 11.6 | Signal | B | | B |
| MONTGOMERY - SB | Anderson to 37th St | 5062004 | 5062 | 2050.9 | MD | 20.8 | 30 | 0.69 | 28.2 | 21.7 | Signal | C | | C |
| MONTGOMERY - SB | Anderson to 37th St | 5062004 | 5062 | 2050.9 | PM | 18.3 | 30 | 0.61 | 34.1 | 19.3 | Signal | C | | C |
| MONTGOMERY - SB | 37th St to Victory | 5062005 | 5062 | 1832.1 | AM | 21.6 | 35 | 0.62 | 24.5 | 11.9 | Signal | C | | C |
| MONTGOMERY - SB | 37th St to Victory | 5062005 | 5062 | 1832.1 | MD | 27.1 | 35 | 0.77 | 17.2 | 11.8 | Signal | B | | B |
| MONTGOMERY - SB | 37th St to Victory | 5062005 | 5062 | 1832.1 | PM | 17.8 | 35 | 0.51 | 36.7 | 15.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | Victory to Exchange | 5062006 | 5062 | 1456.6 | AM | 28.4 | 35 | 0.81 | 8.0 | 1.8 | Signal | A | | A |
| MONTGOMERY - SB | Victory to Exchange | 5062006 | 5062 | 1456.6 | MD | 33.3 | 35 | 0.95 | 1.8 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Victory to Exchange | 5062006 | 5062 | 1456.6 | PM | 21.0 | 35 | 0.60 | 21.3 | 7.0 | Signal | C | | C |
| MONTGOMERY - SB | Exchange to 52nd St | 5062007 | 5062 | 1022.8 | AM | 22.2 | 35 | 0.63 | 20.7 | 13.3 | Signal | C | | C |
| MONTGOMERY - SB | Exchange to 52nd St | 5062007 | 5062 | 1022.8 | MD | 28.9 | 35 | 0.83 | 9.4 | 7.0 | Signal | A | | A |
| MONTGOMERY - SB | Exchange to 52nd St | 5062007 | 5062 | 1022.8 | PM | 18.4 | 35 | 0.53 | 27.9 | 17.4 | Signal | C | | C |
| MONTGOMERY - SB | 52nd St to 54th St | 5062008 | 5062 | 541 | AM | 25.1 | 35 | 0.72 | 7.4 | 2.7 | Signal | A | | A |
| MONTGOMERY - SB | 52nd St to 54th St | 5062008 | 5062 | 541 | MD | 26.6 | 35 | 0.76 | 6.6 | 2.4 | Signal | A | | A |
| MONTGOMERY - SB | 52nd St to 54th St | 5062008 | 5062 | 541 | PM | 20.1 | 35 | 0.57 | 12.9 | 6.0 | Signal | B | | B |
| MONTGOMERY - SB | 54th St to Church Driveway | 5062009 | 5062 | 4551.1 | AM | 34.2 | 37 | 0.91 | 10.0 | 7.4 | Signal | A | | A |
| MONTGOMERY - SB | 54th St to Church Driveway | 5062009 | 5062 | 4551.1 | MD | 32.2 | 37 | 0.86 | 14.9 | 8.4 | Signal | B | | B |
| MONTGOMERY - SB | 54th St to Church Driveway | 5062009 | 5062 | 4551.1 | PM | 30.5 | 37 | 0.82 | 20.9 | 11.3 | Signal | C | | C |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | AM | 17.3 | 35 | 0.49 | 58.6 | 43.4 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | MD | 14.3 | 35 | 0.41 | 73.9 | 61.0 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| MONTGOMERY - SB | Church Driveway to DeRenne | 5062010 | 5062 | 1359.8 | PM | 11.3 | 35 | 0.32 | 73.0 | 53.3 | Signal | E | Canopy - Constrained Corridor, Minor Approach | Consider the addition of a right turn bay |
| MONTGOMERY - SB | Bay St to Franklin SQ N | 5062014 | 5062 | 247.1 | AM | 20.6 | 30 | 0.69 | 1.7 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Bay St to Franklin SQ N | 5062014 | 5062 | 247.1 | MD | 20.3 | 30 | 0.68 | 2.0 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Bay St to Franklin SQ N | 5062014 | 5062 | 247.1 | PM | 19.7 | 30 | 0.66 | 2.2 | 0.0 | Signal | A | | A |
| MONTGOMERY - SB | Franklin SQ N to Franklin SQ S | 5062015 | 5062 | 317.3 | AM | 14.4 | 30 | 0.48 | 8.9 | 0.2 | Cross Street | C | | C |
| MONTGOMERY - SB | Franklin SQ N to Franklin SQ S | 5062015 | 5062 | 317.3 | MD | 13.3 | 30 | 0.44 | 9.8 | 0.5 | Cross Street | C | | C |
| MONTGOMERY - SB | Franklin SQ N to Franklin SQ S | 5062015 | 5062 | 317.3 | PM | 11.9 | 30 | 0.40 | 12.8 | 0.6 | Cross Street | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| MONTGOMERY - SB | Franklin SQ S to Broughton | 5062016 | 5062 | 252.7 | AM | 13.3 | 30 | 0.44 | 7.6 | 1.2 | Signal | A | | A |
| MONTGOMERY - SB | Franklin SQ S to Broughton | 5062016 | 5062 | 252.7 | MD | 10.1 | 30 | 0.34 | 13.3 | 4.7 | Signal | B | | B |
| MONTGOMERY - SB | Franklin SQ S to Broughton | 5062016 | 5062 | 252.7 | PM | 12.6 | 30 | 0.42 | 14.2 | 5.6 | Signal | B | | B |
| WHITAKER - SB | Bay St to Broughton | 5064001 | 5064 | 852.7 | AM | 12.6 | 25 | 0.50 | 30.7 | 18.7 | Signal | C | | C |
| WHITAKER - SB | Bay St to Broughton | 5064001 | 5064 | 852.7 | MD | 6.2 | 25 | 0.25 | 79.8 | 61.5 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|--|--|
| WHITAKER - SB | Bay St to Broughton | 5064001 | 5064 | 852.7 | PM | 9.6 | 25 | 0.38 | 62.5 | 42.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Broughton to Oglethorpe | 5064002 | 5064 | 809.9 | AM | 24.8 | 25 | 0.99 | 1.2 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Broughton to Oglethorpe | 5064002 | 5064 | 809.9 | MD | 20.8 | 25 | 0.83 | 9.1 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Broughton to Oglethorpe | 5064002 | 5064 | 809.9 | PM | 15.5 | 25 | 0.62 | 39.9 | 20.6 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Oglethorpe to Liberty | 5064003 | 5064 | 817.3 | AM | 19.0 | 25 | 0.76 | 9.0 | 4.3 | Signal | A | | A |
| WHITAKER - SB | Oglethorpe to Liberty | 5064003 | 5064 | 817.3 | MD | 8.1 | 25 | 0.32 | 47.5 | 33.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Oglethorpe to Liberty | 5064003 | 5064 | 817.3 | PM | 15.9 | 25 | 0.64 | 22.2 | 13.8 | Signal | C | | C |
| WHITAKER - SB | Liberty to Gaston | 5064004 | 5064 | 1713.6 | AM | 29.9 | 30 | 1.00 | 1.6 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Liberty to Gaston | 5064004 | 5064 | 1713.6 | MD | 24.6 | 30 | 0.82 | 9.8 | 3.0 | Signal | A | | A |
| WHITAKER - SB | Liberty to Gaston | 5064004 | 5064 | 1713.6 | PM | 27.4 | 30 | 0.91 | 6.1 | 0.8 | Signal | A | | A |
| WHITAKER - SB | Gaston to Gwinnett | 5064005 | 5064 | 1158.3 | AM | 31.1 | 35 | 0.89 | 2.8 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Gaston to Gwinnett | 5064005 | 5064 | 1158.3 | MD | 27.3 | 35 | 0.78 | 6.1 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Gaston to Gwinnett | 5064005 | 5064 | 1158.3 | PM | 32.2 | 35 | 0.92 | 2.7 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Gwinnett to West Park | 5064006 | 5064 | 892.3 | AM | 34.8 | 35 | 0.99 | 0.8 | 0.0 | Cross Street | A | | A |
| WHITAKER - SB | Gwinnett to West Park | 5064006 | 5064 | 892.3 | MD | 34.1 | 35 | 0.97 | 0.9 | 0.0 | Cross Street | A | | A |
| WHITAKER - SB | Gwinnett to West Park | 5064006 | 5064 | 892.3 | PM | 32.7 | 35 | 0.94 | 1.7 | 0.0 | Cross Street | A | | A |
| WHITAKER - SB | West Park to Henry | 5064007 | 5064 | 607 | AM | 10.3 | 35 | 0.29 | 25.8 | 16.7 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | West Park to Henry | 5064007 | 5064 | 607 | MD | 29.0 | 35 | 0.83 | 2.9 | 0.0 | Flashing Yellow | B | | B |
| WHITAKER - SB | West Park to Henry | 5064007 | 5064 | 607 | PM | 17.3 | 35 | 0.49 | 19.0 | 9.6 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Henry to Anderson | 5064008 | 5064 | 305.5 | AM | 16.8 | 35 | 0.48 | 6.2 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Henry to Anderson | 5064008 | 5064 | 305.5 | MD | 24.3 | 35 | 0.69 | 3.7 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Henry to Anderson | 5064008 | 5064 | 305.5 | PM | 24.5 | 35 | 0.70 | 2.6 | 0.0 | Signal | A | | A |
| WHITAKER - SB | Anderson to 37th St | 5064009 | 5064 | 2059.4 | AM | 17.4 | 35 | 0.50 | 47.1 | 32.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | Anderson to 37th St | 5064009 | 5064 | 2059.4 | MD | 20.7 | 35 | 0.59 | 34.7 | 21.0 | Signal | C | | C |
| WHITAKER - SB | Anderson to 37th St | 5064009 | 5064 | 2059.4 | PM | 24.5 | 35 | 0.70 | 23.5 | 11.8 | Signal | C | | C |
| WHITAKER - SB | 37th St to 43th St | 5064010 | 5064 | 921.2 | AM | 29.7 | 35 | 0.85 | 4.0 | 0.0 | Signal | A | | A |
| WHITAKER - SB | 37th St to 43th St | 5064010 | 5064 | 921.2 | MD | 31.1 | 35 | 0.89 | 2.0 | 0.0 | Signal | A | | A |
| WHITAKER - SB | 37th St to 43th St | 5064010 | 5064 | 921.2 | PM | 33.3 | 35 | 0.95 | 2.0 | 0.0 | Signal | A | | A |
| WHITAKER - SB | 43th St to Victory | 5064011 | 5064 | 898.6 | AM | 15.5 | 35 | 0.44 | 26.5 | 14.7 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | 43th St to Victory | 5064011 | 5064 | 898.6 | MD | 12.0 | 35 | 0.34 | 36.5 | 23.0 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WHITAKER - SB | 43th St to Victory | 5064011 | 5064 | 898.6 | PM | 13.3 | 35 | 0.38 | 45.7 | 28.5 | Flashing Yellow | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BULL/WHITE BLUFF - NB | Honey Bee to White Bluff Ave | 5065001 | 5065 | 4435.4 | AM | 30.1 | 32 | 0.94 | 14.7 | 4.8 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | Honey Bee to White Bluff Ave | 5065001 | 5065 | 4435.4 | MD | 30.8 | 32 | 0.96 | 3.4 | 1.3 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | Honey Bee to White Bluff Ave | 5065001 | 5065 | 4435.4 | PM | 34.2 | 32 | 1.07 | 2.6 | 0.3 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff Ave to Old Coffee Bluff Rd | 5065002 | 5065 | 4454.7 | AM | 37.2 | 35 | 1.06 | 4.7 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff Ave to Old Coffee Bluff Rd | 5065002 | 5065 | 4454.7 | MD | 36.6 | 35 | 1.04 | 2.1 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff Ave to Old Coffee Bluff Rd | 5065002 | 5065 | 4454.7 | PM | 36.1 | 35 | 1.02 | 4.4 | 1.3 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | Old Coffee Bluff Rd to Willow | 5065003 | 5065 | 5408.4 | AM | 34.6 | 40 | 0.86 | 16.9 | 5.8 | Cross Street | B | | B |
| BULL/WHITE BLUFF - NB | Old Coffee Bluff Rd to Willow | 5065003 | 5065 | 5408.4 | MD | 38.6 | 40 | 0.96 | 4.5 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | Old Coffee Bluff Rd to Willow | 5065003 | 5065 | 5408.4 | PM | 40.0 | 40 | 1.00 | 4.0 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - NB | Willow to Windsor | 5065004 | 5065 | 901.8 | AM | 36.9 | 40 | 0.92 | 1.6 | 0.0 | Flashing Yellow | A | | A |
| BULL/WHITE BLUFF - NB | Willow to Windsor | 5065004 | 5065 | 901.8 | MD | 21.4 | 40 | 0.53 | 21.5 | 13.7 | Flashing Yellow | D | Signal Operations inefficient due to offset geometry | Improvements limited due to geometry, optimize signal timing and consider realignment for eastern approach |
| BULL/WHITE BLUFF - NB | Willow to Windsor | 5065004 | 5065 | 901.8 | PM | 20.5 | 40 | 0.51 | 18.5 | 8.3 | Flashing Yellow | D | Signal Operations inefficient due to offset geometry | Improvements limited due to geometry, optimize signal timing and consider realignment for eastern approach |
| BULL/WHITE BLUFF - NB | Windsor to Holland | 5065005 | 5065 | 1349.8 | AM | 40.6 | 40 | 1.01 | 0.6 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Windsor to Holland | 5065005 | 5065 | 1349.8 | MD | 24.0 | 40 | 0.60 | 15.8 | 6.3 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Windsor to Holland | 5065005 | 5065 | 1349.8 | PM | 26.4 | 40 | 0.66 | 12.7 | 2.0 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Holland to White Bluff | 5065006 | 5065 | 2278.5 | AM | 41.8 | 40 | 1.04 | 1.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Holland to White Bluff | 5065006 | 5065 | 2278.5 | MD | 39.5 | 40 | 0.99 | 1.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|---|
| BULL/WHITE BLUFF - NB | Holland to White Bluff | 5065006 | 5065 | 2278.5 | PM | 38.4 | 40 | 0.96 | 1.8 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff to Firestation | 5065007 | 5065 | 1296.5 | AM | 39.6 | 40 | 0.99 | 1.3 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff to Firestation | 5065007 | 5065 | 1296.5 | MD | 41.6 | 40 | 1.04 | 0.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | White Bluff to Firestation | 5065007 | 5065 | 1296.5 | PM | 38.6 | 40 | 0.96 | 0.8 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Firestation to Tippet | 5065008 | 5065 | 720.2 | AM | 23.7 | 40 | 0.59 | 14.4 | 9.8 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Firestation to Tippet | 5065008 | 5065 | 720.2 | MD | 24.3 | 40 | 0.61 | 14.4 | 7.7 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Firestation to Tippet | 5065008 | 5065 | 720.2 | PM | 35.9 | 40 | 0.90 | 2.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Tippet to Television Circle | 5065009 | 5065 | 986.1 | AM | 33.9 | 40 | 0.85 | 3.5 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Tippet to Television Circle | 5065009 | 5065 | 986.1 | MD | 35.3 | 40 | 0.88 | 2.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Tippet to Television Circle | 5065009 | 5065 | 986.1 | PM | 38.4 | 40 | 0.96 | 1.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Television Circle to Montgomery Cross | 5065010 | 5065 | 3378 | AM | 18.5 | 40 | 0.46 | 71.5 | 45.2 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - NB | Television Circle to Montgomery Cross | 5065010 | 5065 | 3378 | MD | 35.0 | 40 | 0.88 | 13.3 | 1.3 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Television Circle to Montgomery Cross | 5065010 | 5065 | 3378 | PM | 29.4 | 40 | 0.73 | 23.3 | 7.0 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Montgomery Cross to Mall Driveway | 5065011 | 5065 | 1406 | AM | 25.6 | 40 | 0.64 | 17.3 | 8.4 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Montgomery Cross to Mall Driveway | 5065011 | 5065 | 1406 | MD | 20.8 | 40 | 0.52 | 31.3 | 20.7 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Montgomery Cross to Mall Driveway | 5065011 | 5065 | 1406 | PM | 22.5 | 40 | 0.56 | 36.1 | 24.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - NB | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | AM | 7.1 | 40 | 0.18 | 69.9 | 48.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| BULL/WHITE BLUFF - NB | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | MD | 12.6 | 40 | 0.32 | 60.2 | 46.3 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| BULL/WHITE BLUFF - NB | Mall Driveway to Abercorn | 5065012 | 5065 | 710.5 | PM | 11.1 | 40 | 0.28 | 75.0 | 58.0 | Signal | E | Abercorn volumes very heavy | NB/SB left turns very light, consider restricting them, coordinate signal with Mall Dr |
| BULL/WHITE BLUFF - NB | Abercorn to Eisenhower | 5065013 | 5065 | 2720.2 | AM | 27.3 | 40 | 0.68 | 29.5 | 14.5 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Abercorn to Eisenhower | 5065013 | 5065 | 2720.2 | MD | 36.0 | 40 | 0.90 | 5.8 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Abercorn to Eisenhower | 5065013 | 5065 | 2720.2 | PM | 35.3 | 40 | 0.88 | 8.1 | 2.8 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Eisenhower to Stephenson Ave / Hunter Airfield | 5065014 | 5065 | 1332.6 | AM | 30.2 | 40 | 0.76 | 7.9 | 2.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Eisenhower to Stephenson Ave / Hunter Airfield | 5065014 | 5065 | 1332.6 | MD | 39.0 | 40 | 0.97 | 2.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Eisenhower to Stephenson Ave / Hunter Airfield | 5065014 | 5065 | 1332.6 | PM | 21.2 | 40 | 0.53 | 29.1 | 20.0 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Stephenson Ave / Hunter Airfield to Johnston | 5065015 | 5065 | 3200 | AM | 39.6 | 40 | 0.99 | 1.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Stephenson Ave / Hunter Airfield to Johnston | 5065015 | 5065 | 3200 | MD | 40.6 | 40 | 1.01 | 0.5 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Stephenson Ave / Hunter Airfield to Johnston | 5065015 | 5065 | 3200 | PM | 23.4 | 40 | 0.58 | 91.9 | 40.7 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations, Left turn signal control |
| BULL/WHITE BLUFF - NB | Johnston to Hampstead | 5065016 | 5065 | 1051.8 | AM | 42.5 | 40 | 1.06 | 0.3 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Johnston to Hampstead | 5065016 | 5065 | 1051.8 | MD | 38.0 | 40 | 0.95 | 0.9 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Johnston to Hampstead | 5065016 | 5065 | 1051.8 | PM | 9.8 | 40 | 0.25 | 103.7 | 62.3 | Signal | F | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - NB | Hampstead to DeRenne | 5065017 | 5065 | 1250 | AM | 8.2 | 35 | 0.23 | 91.2 | 69.8 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |
| BULL/WHITE BLUFF - NB | Hampstead to DeRenne | 5065017 | 5065 | 1250 | MD | 6.2 | 35 | 0.18 | 111.7 | 89.0 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |
| BULL/WHITE BLUFF - NB | Hampstead to DeRenne | 5065017 | 5065 | 1250 | PM | 4.3 | 35 | 0.12 | 177.4 | 132.7 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations, study in E-W study |
| BULL/WHITE BLUFF - NB | DeRenne to 61st St | 5065018 | 5065 | 3527.3 | AM | 28.9 | 35 | 0.82 | 15.0 | 4.0 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | DeRenne to 61st St | 5065018 | 5065 | 3527.3 | MD | 31.3 | 35 | 0.89 | 8.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | DeRenne to 61st St | 5065018 | 5065 | 3527.3 | PM | 25.3 | 35 | 0.72 | 31.1 | 12.7 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | 61st St to 52nd St | 5065019 | 5065 | 2967 | AM | 33.1 | 35 | 0.95 | 4.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | 61st St to 52nd St | 5065019 | 5065 | 2967 | MD | 26.4 | 35 | 0.76 | 19.2 | 2.7 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | 61st St to 52nd St | 5065019 | 5065 | 2967 | PM | 31.1 | 35 | 0.89 | 7.8 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | 52nd St to Washington | 5065020 | 5065 | 1401.8 | AM | 31.7 | 35 | 0.91 | 3.2 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | 52nd St to Washington | 5065020 | 5065 | 1401.8 | MD | 28.2 | 35 | 0.80 | 6.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | 52nd St to Washington | 5065020 | 5065 | 1401.8 | PM | 27.7 | 35 | 0.79 | 7.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Washington to Victory | 5065021 | 5065 | 1096 | AM | 18.2 | 35 | 0.52 | 24.4 | 12.8 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Washington to Victory | 5065021 | 5065 | 1096 | MD | 16.5 | 35 | 0.47 | 31.3 | 18.3 | Signal | C | | C |
| BULL/WHITE BLUFF - NB | Washington to Victory | 5065021 | 5065 | 1096 | PM | 19.8 | 35 | 0.57 | 18.7 | 9.7 | Signal | B | | B |
| BULL/WHITE BLUFF - NB | Victory to 40th St | 5065022 | 5065 | 950 | AM | 27.1 | 35 | 0.77 | 5.8 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| BULL/WHITE BLUFF - NB | Victory to 40th St | 5065022 | 5065 | 950 | MD | 24.1 | 35 | 0.69 | 7.9 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - NB | Victory to 40th St | 5065022 | 5065 | 950 | PM | 21.1 | 35 | 0.60 | 12.6 | 0.0 | Signal | B | | B |
| BULL/WHITE BLUFF - SB | 40th St to Victory | 5066001 | 5066 | 950 | AM | 9.8 | 35 | 0.28 | 45.7 | 28.5 | Cross Street | F | Excessive delay at Victory and over to Montgomery | Update and coordinate signal timing on Victory from MLK to the east |
| BULL/WHITE BLUFF - SB | 40th St to Victory | 5066001 | 5066 | 950 | MD | 15.1 | 35 | 0.43 | 28.1 | 14.0 | Cross Street | D | Excessive delay at Victory and over to Montgomery | Update and coordinate signal timing on Victory from MLK to the east |
| BULL/WHITE BLUFF - SB | 40th St to Victory | 5066001 | 5066 | 950 | PM | 19.2 | 35 | 0.55 | 21.5 | 9.0 | Cross Street | C | | C |
| BULL/WHITE BLUFF - SB | Victory to Washington | 5066002 | 5066 | 1096 | AM | 27.5 | 35 | 0.79 | 6.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Victory to Washington | 5066002 | 5066 | 1096 | MD | 31.3 | 35 | 0.89 | 2.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Victory to Washington | 5066002 | 5066 | 1096 | PM | 29.7 | 35 | 0.85 | 4.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Washington to 52nd St | 5066003 | 5066 | 1401.8 | AM | 27.2 | 35 | 0.78 | 8.8 | 4.2 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Washington to 52nd St | 5066003 | 5066 | 1401.8 | MD | 27.4 | 35 | 0.78 | 9.4 | 3.8 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Washington to 52nd St | 5066003 | 5066 | 1401.8 | PM | 30.1 | 35 | 0.86 | 4.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | 52nd St to 61st St | 5066004 | 5066 | 2966.9 | AM | 32.9 | 35 | 0.94 | 3.9 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | 52nd St to 61st St | 5066004 | 5066 | 2966.9 | MD | 32.9 | 35 | 0.94 | 6.3 | 1.5 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | 52nd St to 61st St | 5066004 | 5066 | 2966.9 | PM | 31.4 | 35 | 0.90 | 6.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | AM | 23.0 | 32 | 0.72 | 35.5 | 22.8 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | MD | 13.6 | 35 | 0.39 | 118.2 | 92.5 | Signal | F | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - SB | 61st St to DeRenne | 5066005 | 5066 | 3527.4 | PM | 23.0 | 35 | 0.66 | 35.8 | 19.0 | Signal | D | Canopy - Constrained Corridor, Minor Approach | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - SB | DeRenne to Hampstead | 5066006 | 5066 | 1250 | AM | 30.8 | 35 | 0.88 | 3.2 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | DeRenne to Hampstead | 5066006 | 5066 | 1250 | MD | 26.4 | 35 | 0.75 | 9.0 | 1.8 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | DeRenne to Hampstead | 5066006 | 5066 | 1250 | PM | 26.8 | 35 | 0.77 | 8.9 | 0.8 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Hampstead to Johnston | 5066007 | 5066 | 1051.8 | AM | 36.7 | 40 | 0.92 | 1.8 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Hampstead to Johnston | 5066007 | 5066 | 1051.8 | MD | 30.6 | 40 | 0.76 | 7.1 | 1.3 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Hampstead to Johnston | 5066007 | 5066 | 1051.8 | PM | 16.1 | 40 | 0.40 | 26.2 | 14.0 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Johnston to Stephenson Ave / Hunter Airfield | 5066008 | 5066 | 3200 | AM | 30.0 | 40 | 0.75 | 21.7 | 11.8 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Johnston to Stephenson Ave / Hunter Airfield | 5066008 | 5066 | 3200 | MD | 30.5 | 40 | 0.76 | 19.8 | 7.8 | Signal | B | | B |
| BULL/WHITE BLUFF - SB | Johnston to Stephenson Ave / Hunter Airfield | 5066008 | 5066 | 3200 | PM | 27.5 | 40 | 0.69 | 25.0 | 8.0 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Stephenson Ave / Hunter Airfield to Eisenhower | 5066009 | 5066 | 1332.6 | AM | 38.5 | 40 | 0.96 | 1.2 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Stephenson Ave / Hunter Airfield to Eisenhower | 5066009 | 5066 | 1332.6 | MD | 25.5 | 40 | 0.64 | 16.9 | 7.3 | Signal | B | | B |
| BULL/WHITE BLUFF - SB | Stephenson Ave / Hunter Airfield to Eisenhower | 5066009 | 5066 | 1332.6 | PM | 36.3 | 40 | 0.91 | 2.6 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | AM | 26.2 | 40 | 0.66 | 44.8 | 33.5 | Signal | D | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| BULL/WHITE BLUFF - SB | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | MD | 23.5 | 40 | 0.59 | 44.1 | 29.3 | Signal | D | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| BULL/WHITE BLUFF - SB | Eisenhower to Abercorn | 5066010 | 5066 | 2720.2 | PM | 9.2 | 40 | 0.23 | 179.3 | 129.3 | Signal | F | Canopy - Constrained Corridor, Minor Approach | NB/SB left turns very light, consider restricting them, add NB Right turn overlap |
| BULL/WHITE BLUFF - SB | Abercorn to Mall Driveway | 5066011 | 5066 | 710.5 | AM | 27.0 | 40 | 0.68 | 8.5 | 1.8 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Abercorn to Mall Driveway | 5066011 | 5066 | 710.5 | MD | 31.0 | 40 | 0.78 | 2.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Abercorn to Mall Driveway | 5066011 | 5066 | 710.5 | PM | 27.8 | 40 | 0.69 | 5.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | AM | 14.0 | 40 | 0.35 | 50.8 | 34.4 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - SB | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | MD | 22.1 | 40 | 0.55 | 28.3 | 18.7 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Mall Driveway to Montgomery Cross | 5066012 | 5066 | 1406 | PM | 11.0 | 40 | 0.27 | 71.4 | 44.6 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| BULL/WHITE BLUFF - SB | Montgomery Cross to Television Circle | 5066013 | 5066 | 3377.9 | AM | 35.4 | 40 | 0.88 | 8.2 | 1.8 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Montgomery Cross to Television Circle | 5066013 | 5066 | 3377.9 | MD | 39.1 | 40 | 0.98 | 1.7 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Montgomery Cross to Television Circle | 5066013 | 5066 | 3377.9 | PM | 31.6 | 40 | 0.79 | 18.9 | 6.8 | Signal | B | | B |
| BULL/WHITE BLUFF - SB | Television Circle to Tippet | 5066014 | 5066 | 986.2 | AM | 37.2 | 40 | 0.93 | 1.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Television Circle to Tippet | 5066014 | 5066 | 986.2 | MD | 35.5 | 40 | 0.89 | 2.5 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Television Circle to Tippet | 5066014 | 5066 | 986.2 | PM | 21.9 | 40 | 0.55 | 15.4 | 4.8 | Signal | B | | B |
| BULL/WHITE BLUFF - SB | Tippet to Firestation | 5066015 | 5066 | 720.2 | AM | 38.1 | 40 | 0.95 | 0.5 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Tippet to Firestation | 5066015 | 5066 | 720.2 | MD | 35.0 | 40 | 0.88 | 2.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Tippet to Firestation | 5066015 | 5066 | 720.2 | PM | 36.5 | 40 | 0.91 | 1.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Firestation to White Bluff | 5066016 | 5066 | 1296.5 | AM | 41.5 | 40 | 1.04 | 0.3 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Firestation to White Bluff | 5066016 | 5066 | 1296.5 | MD | 41.0 | 40 | 1.03 | 0.2 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Firestation to White Bluff | 5066016 | 5066 | 1296.5 | PM | 40.8 | 40 | 1.02 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-----------------------------------|---|
| BULL/WHITE BLUFF - SB | White Bluff to Holland | 5066017 | 5066 | 2278.5 | AM | 38.0 | 40 | 0.95 | 3.1 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | White Bluff to Holland | 5066017 | 5066 | 2278.5 | MD | 40.0 | 40 | 1.00 | 2.1 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | White Bluff to Holland | 5066017 | 5066 | 2278.5 | PM | 40.4 | 40 | 1.01 | 2.1 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Holland to Windsor | 5066018 | 5066 | 1349.8 | AM | 21.9 | 40 | 0.55 | 23.3 | 12.8 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Holland to Windsor | 5066018 | 5066 | 1349.8 | MD | 19.7 | 40 | 0.49 | 34.5 | 25.7 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Holland to Windsor | 5066018 | 5066 | 1349.8 | PM | 25.3 | 40 | 0.63 | 23.3 | 15.3 | Signal | C | | C |
| BULL/WHITE BLUFF - SB | Windsor to Willow | 5066019 | 5066 | 901.8 | AM | 35.5 | 40 | 0.89 | 1.0 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Windsor to Willow | 5066019 | 5066 | 901.8 | MD | 35.6 | 40 | 0.89 | 1.4 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Windsor to Willow | 5066019 | 5066 | 901.8 | PM | 34.0 | 40 | 0.85 | 2.6 | 0.0 | Signal | A | | A |
| BULL/WHITE BLUFF - SB | Willow to Old Coffee Bluff Rd | 5066020 | 5066 | 5408.4 | AM | 36.7 | 40 | 0.92 | 9.1 | 0.0 | Flashing Yellow | A | | A |
| BULL/WHITE BLUFF - SB | Willow to Old Coffee Bluff Rd | 5066020 | 5066 | 5408.4 | MD | 36.6 | 40 | 0.92 | 8.7 | 0.0 | Flashing Yellow | A | | A |
| BULL/WHITE BLUFF - SB | Willow to Old Coffee Bluff Rd | 5066020 | 5066 | 5408.4 | PM | 37.8 | 40 | 0.95 | 7.7 | 0.0 | Flashing Yellow | A | | A |
| BULL/WHITE BLUFF - SB | Old Coffee Bluff Rd to White Bluff Ave | 5066021 | 5066 | 4454.6 | AM | 35.1 | 35 | 1.00 | 4.3 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - SB | Old Coffee Bluff Rd to White Bluff Ave | 5066021 | 5066 | 4454.6 | MD | 36.0 | 35 | 1.02 | 3.8 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - SB | Old Coffee Bluff Rd to White Bluff Ave | 5066021 | 5066 | 4454.6 | PM | 35.9 | 35 | 1.02 | 1.4 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - SB | White Bluff Ave to Honey Bee | 5066022 | 5066 | 4435.5 | AM | 33.1 | 32 | 1.04 | 2.3 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - SB | White Bluff Ave to Honey Bee | 5066022 | 5066 | 4435.5 | MD | 32.5 | 32 | 1.02 | 2.2 | 0.0 | Cross Street | A | | A |
| BULL/WHITE BLUFF - SB | White Bluff Ave to Honey Bee | 5066022 | 5066 | 4435.5 | PM | 30.4 | 32 | 0.95 | 5.1 | 0.0 | Cross Street | A | | A |
| DRAYTON - NB | Victory to 37th St | 5067001 | 5067 | 1712.5 | AM | 22.4 | 35 | 0.64 | 25.2 | 12.0 | Signal | C | | C |
| DRAYTON - NB | Victory to 37th St | 5067001 | 5067 | 1712.5 | MD | 12.8 | 35 | 0.37 | 59.1 | 41.0 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| DRAYTON - NB | Victory to 37th St | 5067001 | 5067 | 1712.5 | PM | 17.4 | 35 | 0.50 | 39.3 | 19.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| DRAYTON - NB | 37th St to Anderson | 5067002 | 5067 | 2062.9 | AM | 27.3 | 35 | 0.78 | 13.7 | 4.0 | Signal | B | | B |
| DRAYTON - NB | 37th St to Anderson | 5067002 | 5067 | 2062.9 | MD | 26.6 | 35 | 0.76 | 12.9 | 3.5 | Signal | B | | B |
| DRAYTON - NB | 37th St to Anderson | 5067002 | 5067 | 2062.9 | PM | 24.8 | 35 | 0.71 | 18.8 | 8.5 | Signal | B | | B |
| DRAYTON - NB | Anderson to Henry | 5067003 | 5067 | 313.6 | AM | 15.7 | 35 | 0.45 | 6.6 | 0.8 | Signal | A | | A |
| DRAYTON - NB | Anderson to Henry | 5067003 | 5067 | 313.6 | MD | 22.4 | 35 | 0.64 | 3.8 | 0.0 | Signal | A | | A |
| DRAYTON - NB | Anderson to Henry | 5067003 | 5067 | 313.6 | PM | 21.4 | 35 | 0.61 | 5.1 | 0.3 | Signal | A | | A |
| DRAYTON - NB | Henry to East Park | 5067004 | 5067 | 590.6 | AM | 28.0 | 35 | 0.80 | 2.9 | 0.0 | Signal | A | | A |
| DRAYTON - NB | Henry to East Park | 5067004 | 5067 | 590.6 | MD | 27.4 | 35 | 0.78 | 2.6 | 0.0 | Signal | A | | A |
| DRAYTON - NB | Henry to East Park | 5067004 | 5067 | 590.6 | PM | 27.8 | 35 | 0.79 | 2.8 | 0.0 | Signal | A | | A |
| DRAYTON - NB | East Park to Gaston | 5067005 | 5067 | 2062.9 | AM | 31.8 | 35 | 0.91 | 4.0 | 0.0 | Flashing Yellow | A | | A |
| DRAYTON - NB | East Park to Gaston | 5067005 | 5067 | 2062.9 | MD | 29.0 | 35 | 0.83 | 8.4 | 0.0 | Flashing Yellow | B | | B |
| DRAYTON - NB | East Park to Gaston | 5067005 | 5067 | 2062.9 | PM | 25.2 | 35 | 0.72 | 20.8 | 4.8 | Flashing Yellow | B | | B |
| DRAYTON - NB | Gaston to Liberty | 5067006 | 5067 | 1713.4 | AM | 17.3 | 30 | 0.58 | 34.4 | 20.8 | Signal | C | | C |
| DRAYTON - NB | Gaston to Liberty | 5067006 | 5067 | 1713.4 | MD | 13.0 | 30 | 0.43 | 50.1 | 37.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| DRAYTON - NB | Gaston to Liberty | 5067006 | 5067 | 1713.4 | PM | 20.7 | 30 | 0.69 | 21.3 | 6.5 | Signal | C | | C |
| DRAYTON - NB | Liberty to Oglethorpe | 5067007 | 5067 | 823.4 | AM | 26.7 | 30 | 0.89 | 3.1 | 0.0 | Signal | A | | A |
| DRAYTON - NB | Liberty to Oglethorpe | 5067007 | 5067 | 823.4 | MD | 10.2 | 30 | 0.34 | 37.3 | 22.5 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| DRAYTON - NB | Liberty to Oglethorpe | 5067007 | 5067 | 823.4 | PM | 10.0 | 30 | 0.33 | 35.0 | 22.0 | Signal | C | | C |
| DRAYTON - NB | Oglethorpe to Broughton | 5067008 | 5067 | 807.6 | AM | 23.8 | 30 | 0.79 | 5.5 | 0.0 | Signal | A | | A |
| DRAYTON - NB | Oglethorpe to Broughton | 5067008 | 5067 | 807.6 | MD | 10.8 | 30 | 0.36 | 35.1 | 15.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| DRAYTON - NB | Oglethorpe to Broughton | 5067008 | 5067 | 807.6 | PM | 12.3 | 30 | 0.41 | 33.6 | 17.5 | Signal | C | | C |
| DRAYTON - NB | Broughton to Bay St | 5067009 | 5067 | 744 | AM | 17.3 | 30 | 0.58 | 11.0 | 0.5 | Signal | B | | B |
| DRAYTON - NB | Broughton to Bay St | 5067009 | 5067 | 744 | MD | 15.0 | 30 | 0.50 | 24.7 | 7.5 | Signal | C | | C |
| DRAYTON - NB | Broughton to Bay St | 5067009 | 5067 | 744 | PM | 12.9 | 30 | 0.43 | 32.5 | 6.5 | Signal | C | | C |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | AM | 17.6 | 55 | 0.32 | 25.9 | 17.0 | Cross Street | E | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | MD | 7.4 | 55 | 0.13 | 42.8 | 30.0 | Cross Street | F | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| ABERCORN - NB | I-95 to Gateway | 5069003 | 5069 | 396 | PM | 8.2 | 55 | 0.15 | 27.7 | 16.7 | Cross Street | F | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| ABERCORN - NB | Gateway to US 17 | 5069004 | 5069 | 10230.8 | AM | 60.2 | 55 | 1.09 | 0.5 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Gateway to US 17 | 5069004 | 5069 | 10230.8 | MD | 61.6 | 55 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Gateway to US 17 | 5069004 | 5069 | 10230.8 | PM | 58.5 | 55 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | US 17 to Pine Grove | 5069005 | 5069 | 7497.4 | AM | 52.6 | 55 | 0.96 | 11.3 | 4.0 | Cross Street | A | | A |
| ABERCORN - NB | US 17 to Pine Grove | 5069005 | 5069 | 7497.4 | MD | 54.8 | 55 | 1.00 | 4.0 | 2.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|---------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|---|
| ABERCORN - NB | US 17 to Pine Grove | 5069005 | 5069 | 7497.4 | PM | 58.0 | 55 | 1.05 | 1.6 | 0.0 | Cross Street | A | | A |
| ABERCORN - NB | Pine Grove to King George | 5069006 | 5069 | 3413.4 | AM | 26.2 | 55 | 0.48 | 103.9 | 59.5 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| ABERCORN - NB | Pine Grove to King George | 5069006 | 5069 | 3413.4 | MD | 19.4 | 55 | 0.35 | 85.3 | 58.0 | Signal | F | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| ABERCORN - NB | Pine Grove to King George | 5069006 | 5069 | 3413.4 | PM | 28.2 | 55 | 0.51 | 69.3 | 40.3 | Signal | E | Excessive eastbound delays at King George | Priority II - Widen 4-6 from US 17 to King George, accel lane for EB rights, widen King George appr |
| ABERCORN - NB | King George to Veterans Pkwy | 5069007 | 5069 | 5532.2 | AM | 54.9 | 55 | 1.00 | 2.1 | 0.0 | Signal | A | | A |
| ABERCORN - NB | King George to Veterans Pkwy | 5069007 | 5069 | 5532.2 | MD | 54.7 | 55 | 0.99 | 0.9 | 0.0 | Signal | A | | A |
| ABERCORN - NB | King George to Veterans Pkwy | 5069007 | 5069 | 5532.2 | PM | 55.4 | 55 | 1.01 | 0.8 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Veterens Pkwy to City Limit | 5069008 | 5069 | 5420.2 | AM | 55.8 | 55 | 1.02 | 1.7 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Veterens Pkwy to City Limit | 5069008 | 5069 | 5420.2 | MD | 57.4 | 55 | 1.04 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Veterens Pkwy to City Limit | 5069008 | 5069 | 5420.2 | PM | 50.6 | 55 | 0.92 | 7.4 | 0.0 | Signal | A | | A |
| ABERCORN - NB | City Limit to Rio | 5069009 | 5069 | 1579.9 | AM | 42.6 | 55 | 0.77 | 5.8 | 0.0 | City Limit | A | | A |
| ABERCORN - NB | City Limit to Rio | 5069009 | 5069 | 1579.9 | MD | 41.9 | 55 | 0.76 | 6.9 | 0.0 | City Limit | B | | B |
| ABERCORN - NB | City Limit to Rio | 5069009 | 5069 | 1579.9 | PM | 26.3 | 55 | 0.48 | 26.9 | 2.7 | City Limit | D | Excessive delays at Rio | Priority IC - Widen 4-6 from Rio to Truman, Optimize from Rio to King George |
| ABERCORN - NB | Rio to Apache | 5069010 | 5069 | 2685.1 | AM | 29.3 | 45 | 0.65 | 35.9 | 21.0 | Signal | D | Excessive delays at Apache | Priority IB - Operational, Priority IC - Widen from Rio to Truman, Coordinate between Rio and King George |
| ABERCORN - NB | Rio to Apache | 5069010 | 5069 | 2685.1 | MD | 50.5 | 45 | 1.12 | 0.4 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Rio to Apache | 5069010 | 5069 | 2685.1 | PM | 25.2 | 45 | 0.56 | 32.0 | 11.3 | Signal | C | | C |
| ABERCORN - NB | Apache to Science | 5069011 | 5069 | 1401.1 | AM | 33.5 | 45 | 0.75 | 15.6 | 9.0 | Signal | B | | B |
| ABERCORN - NB | Apache to Science | 5069011 | 5069 | 1401.1 | MD | 35.7 | 45 | 0.79 | 5.4 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Apache to Science | 5069011 | 5069 | 1401.1 | PM | 20.1 | 45 | 0.45 | 42.4 | 29.0 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman, Coordinate between Rio and King George |
| ABERCORN - NB | Science to Mercy | 5069012 | 5069 | 3831.4 | AM | 41.8 | 45 | 0.93 | 9.6 | 5.6 | Signal | A | | A |
| ABERCORN - NB | Science to Mercy | 5069012 | 5069 | 3831.4 | MD | 37.0 | 45 | 0.82 | 13.0 | 2.5 | Signal | B | | B |
| ABERCORN - NB | Science to Mercy | 5069012 | 5069 | 3831.4 | PM | 42.0 | 45 | 0.93 | 9.8 | 6.0 | Signal | A | | A |
| ABERCORN - NB | Mercy to Largo | 5069013 | 5069 | 1390.8 | AM | 28.9 | 45 | 0.64 | 20.9 | 10.8 | Signal | C | | C |
| ABERCORN - NB | Mercy to Largo | 5069013 | 5069 | 1390.8 | MD | 41.1 | 45 | 0.91 | 2.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Mercy to Largo | 5069013 | 5069 | 1390.8 | PM | 11.8 | 45 | 0.26 | 57.6 | 38.3 | Signal | E | Intersection Delays at Largo | Priority IB - Operational, Priority IC - Widen 4-6 from Rio to Truman |
| ABERCORN - NB | Largo to Deerfield | 5069014 | 5069 | 1613.2 | AM | 41.3 | 45 | 0.92 | 2.1 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Largo to Deerfield | 5069014 | 5069 | 1613.2 | MD | 19.9 | 45 | 0.44 | 30.2 | 16.5 | Signal | C | | C |
| ABERCORN - NB | Largo to Deerfield | 5069014 | 5069 | 1613.2 | PM | 37.3 | 45 | 0.83 | 4.9 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Deerfield to Wilshire Blvd | 5069015 | 5069 | 4300.5 | AM | 38.8 | 45 | 0.86 | 13.8 | 6.3 | Signal | B | | B |
| ABERCORN - NB | Deerfield to Wilshire Blvd | 5069015 | 5069 | 4300.5 | MD | 44.3 | 45 | 0.99 | 1.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Deerfield to Wilshire Blvd | 5069015 | 5069 | 4300.5 | PM | 46.8 | 45 | 1.04 | 3.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Wilshire Blvd to Tibet Ave | 5069016 | 5069 | 2018.3 | AM | 31.0 | 45 | 0.69 | 16.4 | 8.0 | Signal | B | | B |
| ABERCORN - NB | Wilshire Blvd to Tibet Ave | 5069016 | 5069 | 2018.3 | MD | 32.2 | 45 | 0.71 | 29.4 | 23.5 | Signal | C | | C |
| ABERCORN - NB | Wilshire Blvd to Tibet Ave | 5069016 | 5069 | 2018.3 | PM | 43.9 | 45 | 0.98 | 3.6 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Tibet Ave to Television Circle | 5069017 | 5069 | 1005.4 | AM | 38.6 | 45 | 0.86 | 2.5 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Tibet Ave to Television Circle | 5069017 | 5069 | 1005.4 | MD | 42.8 | 45 | 0.95 | 2.2 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Tibet Ave to Television Circle | 5069017 | 5069 | 1005.4 | PM | 20.6 | 45 | 0.46 | 33.2 | 24.7 | Signal | C | | C |
| ABERCORN - NB | Television Circle to Montgomery Cross | 5069018 | 5069 | 2959.3 | AM | 35.9 | 45 | 0.80 | 12.7 | 1.8 | Signal | B | | B |
| ABERCORN - NB | Television Circle to Montgomery Cross | 5069018 | 5069 | 2959.3 | MD | 37.4 | 45 | 0.83 | 10.4 | 4.5 | Signal | B | | B |
| ABERCORN - NB | Television Circle to Montgomery Cross | 5069018 | 5069 | 2959.3 | PM | 23.9 | 45 | 0.53 | 48.0 | 29.3 | Signal | D | Oversaturated Intersection | Consider NB and SB right turn lanes and optimize signal, Truman ext may relieve some volume |
| ABERCORN - NB | Montgomery Cross to Mall Driveway | 5069019 | 5069 | 1638.4 | AM | 43.2 | 45 | 0.96 | 1.4 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Montgomery Cross to Mall Driveway | 5069019 | 5069 | 1638.4 | MD | 32.2 | 45 | 0.71 | 11.4 | 5.0 | Signal | B | | B |
| ABERCORN - NB | Montgomery Cross to Mall Driveway | 5069019 | 5069 | 1638.4 | PM | 38.9 | 45 | 0.86 | 3.8 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Mall Driveway to White Bluff | 5069020 | 5069 | 1234.6 | AM | 43.1 | 45 | 0.96 | 1.3 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|--|
| ABERCORN - NB | Mall Driveway to White Bluff | 5069020 | 5069 | 1234.6 | MD | 24.9 | 45 | 0.55 | 36.9 | 29.0 | Signal | D | short distance between Mall and White Bluff | Coordinate signals between Mall driveway and White Bluff, review turning movements |
| ABERCORN - NB | Mall Driveway to White Bluff | 5069020 | 5069 | 1234.6 | PM | 7.3 | 45 | 0.16 | 93.9 | 71.3 | Signal | F | short distance between Mall and White Bluff | Coordinate signals between Mall driveway and White Bluff, review turning movements |
| ABERCORN - NB | White Bluff to Mall Blvd | 5069021 | 5069 | 1536.8 | AM | 44.2 | 45 | 0.98 | 0.4 | 0.0 | Signal | A | | A |
| ABERCORN - NB | White Bluff to Mall Blvd | 5069021 | 5069 | 1536.8 | MD | 38.8 | 45 | 0.86 | 3.7 | 0.0 | Signal | A | | A |
| ABERCORN - NB | White Bluff to Mall Blvd | 5069021 | 5069 | 1536.8 | PM | 9.3 | 45 | 0.21 | 87.2 | 61.5 | Signal | F | Excessive Intersection Delays | Priority IB - Operational, NB right turn lane planned, will free up some time for others |
| ABERCORN - NB | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | AM | 27.3 | 45 | 0.61 | 37.1 | 28.8 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| ABERCORN - NB | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | MD | 21.1 | 45 | 0.47 | 26.2 | 11.0 | Signal | C | | C |
| ABERCORN - NB | Mall Blvd to Eisenhower | 5069022 | 5069 | 1555.4 | PM | 22.5 | 45 | 0.50 | 65.4 | 45.0 | Signal | E | Poor signal coordination | Coordinate signals along Abercorn |
| ABERCORN - NB | Eisenhower to Stephenson | 5069023 | 5069 | 1364.3 | AM | 28.7 | 45 | 0.64 | 13.8 | 4.8 | Signal | B | | B |
| ABERCORN - NB | Eisenhower to Stephenson | 5069023 | 5069 | 1364.3 | MD | 37.9 | 45 | 0.84 | 3.7 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Eisenhower to Stephenson | 5069023 | 5069 | 1364.3 | PM | 16.9 | 45 | 0.38 | 47.2 | 28.3 | Signal | D | Currently under construction on Stephenson | Coordinate signals along Abercorn, Study next CMS after construction |
| ABERCORN - NB | Stephenson to Jackson | 5069024 | 5069 | 1300.8 | AM | 39.0 | 45 | 0.87 | 3.0 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Stephenson to Jackson | 5069024 | 5069 | 1300.8 | MD | 22.0 | 45 | 0.49 | 20.2 | 8.5 | Signal | C | | C |
| ABERCORN - NB | Stephenson to Jackson | 5069024 | 5069 | 1300.8 | PM | 24.5 | 45 | 0.55 | 20.1 | 5.8 | Signal | C | | C |
| ABERCORN - NB | Jackson to Lee Blvd | 5069025 | 5069 | 964.7 | AM | 41.1 | 45 | 0.91 | 1.6 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Jackson to Lee Blvd | 5069025 | 5069 | 964.7 | MD | 35.1 | 45 | 0.78 | 4.5 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Jackson to Lee Blvd | 5069025 | 5069 | 964.7 | PM | 35.2 | 45 | 0.78 | 4.3 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Lee Blvd to Janet | 5069026 | 5069 | 1361.3 | AM | 32.0 | 45 | 0.71 | 15.3 | 9.2 | Signal | B | | B |
| ABERCORN - NB | Lee Blvd to Janet | 5069026 | 5069 | 1361.3 | MD | 28.1 | 45 | 0.62 | 19.9 | 11.0 | Signal | B | | B |
| ABERCORN - NB | Lee Blvd to Janet | 5069026 | 5069 | 1361.3 | PM | 10.7 | 45 | 0.24 | 91.1 | 58.4 | Signal | F | Poor signal coordination | Coordinate signals along Abercorn |
| ABERCORN - NB | Janet to Private Drive | 5069027 | 5069 | 1124.9 | AM | 37.8 | 45 | 0.84 | 3.2 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Janet to Private Drive | 5069027 | 5069 | 1124.9 | MD | 37.1 | 45 | 0.82 | 3.7 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Janet to Private Drive | 5069027 | 5069 | 1124.9 | PM | 24.1 | 45 | 0.54 | 45.5 | 21.4 | Signal | D | Poor signal coordination | Coordinate signals along Abercorn |
| ABERCORN - NB | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | AM | 5.6 | 40 | 0.14 | 83.8 | 66.2 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| ABERCORN - NB | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | MD | 11.2 | 40 | 0.28 | 42.8 | 24.7 | Signal | D | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| ABERCORN - NB | Private Drive to DeRenne | 5069028 | 5069 | 729.3 | PM | 4.4 | 40 | 0.11 | 107.0 | 81.6 | Signal | F | Excessive Intersection Delays | Priority IB - Operational - Optimize Derenne and Abercorn will improve, NB right turn lane planned |
| ABERCORN - NB | DeRenne to 63rd St | 5069029 | 5069 | 2759.3 | AM | 29.2 | 40 | 0.73 | 21.7 | 12.8 | Signal | C | | C |
| ABERCORN - NB | DeRenne to 63rd St | 5069029 | 5069 | 2759.3 | MD | 35.0 | 40 | 0.88 | 10.0 | 2.7 | Signal | B | | B |
| ABERCORN - NB | DeRenne to 63rd St | 5069029 | 5069 | 2759.3 | PM | 31.3 | 40 | 0.78 | 15.3 | 4.2 | Signal | B | | B |
| ABERCORN - NB | 63rd St to Columbus | 5069030 | 5069 | 1448.4 | AM | 33.9 | 35 | 0.97 | 3.8 | 1.4 | Signal | A | | A |
| ABERCORN - NB | 63rd St to Columbus | 5069030 | 5069 | 1448.4 | MD | 31.3 | 35 | 0.89 | 3.6 | 2.3 | Signal | A | | A |
| ABERCORN - NB | 63rd St to Columbus | 5069030 | 5069 | 1448.4 | PM | 32.0 | 35 | 0.91 | 4.2 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Columbus to Washington | 5069031 | 5069 | 3691.9 | AM | 34.8 | 35 | 1.00 | 5.3 | 2.2 | Signal | A | | A |
| ABERCORN - NB | Columbus to Washington | 5069031 | 5069 | 3691.9 | MD | 36.8 | 35 | 1.05 | 1.5 | 0.0 | Signal | A | | A |
| ABERCORN - NB | Columbus to Washington | 5069031 | 5069 | 3691.9 | PM | 32.0 | 35 | 0.91 | 7.8 | 3.4 | Signal | A | | A |
| ABERCORN - NB | Washington to Victory | 5069032 | 5069 | 1167.4 | AM | 12.9 | 35 | 0.37 | 38.5 | 23.2 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - NB | Washington to Victory | 5069032 | 5069 | 1167.4 | MD | 11.0 | 35 | 0.31 | 58.1 | 39.7 | Signal | E | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - NB | Washington to Victory | 5069032 | 5069 | 1167.4 | PM | 15.6 | 35 | 0.45 | 37.8 | 23.0 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Improvements limited to Optimizing Signal Operations |
| ABERCORN - NB | Victory to 37th St | 5069033 | 5069 | 1716.7 | AM | 25.0 | 35 | 0.71 | 14.6 | 3.0 | Signal | B | | B |
| ABERCORN - NB | Victory to 37th St | 5069033 | 5069 | 1716.7 | MD | 24.3 | 35 | 0.69 | 15.0 | 2.7 | Signal | B | | B |
| ABERCORN - NB | Victory to 37th St | 5069033 | 5069 | 1716.7 | PM | 18.6 | 35 | 0.53 | 33.6 | 14.8 | Signal | C | | C |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | AM | 14.7 | 35 | 0.42 | 64.1 | 41.8 | Signal | E | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | MD | 18.7 | 35 | 0.54 | 44.0 | 31.3 | Signal | D | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| ABERCORN - SB | 37th St to Victory | 5070002 | 5070 | 1716.6 | PM | 17.8 | 35 | 0.51 | 46.2 | 33.0 | Signal | D | Urban Core | Constrained Corridor - Optimize Victory then Abercorn will benefit from more time |
| ABERCORN - SB | Victory to Washington | 5070003 | 5070 | 1167.4 | AM | 24.1 | 35 | 0.69 | 13.3 | 7.0 | Signal | B | | B |
| ABERCORN - SB | Victory to Washington | 5070003 | 5070 | 1167.4 | MD | 25.6 | 35 | 0.73 | 13.2 | 4.7 | Signal | B | | B |
| ABERCORN - SB | Victory to Washington | 5070003 | 5070 | 1167.4 | PM | 22.3 | 35 | 0.64 | 14.0 | 4.8 | Signal | B | | B |
| ABERCORN - SB | Washington to Columbus | 5070004 | 5070 | 3691.9 | AM | 32.6 | 35 | 0.93 | 6.8 | 2.5 | Signal | A | | A |
| ABERCORN - SB | Washington to Columbus | 5070004 | 5070 | 3691.9 | MD | 33.1 | 35 | 0.95 | 4.1 | 0.7 | Signal | A | | A |
| ABERCORN - SB | Washington to Columbus | 5070004 | 5070 | 3691.9 | PM | 32.5 | 35 | 0.93 | 7.2 | 6.8 | Signal | A | | A |
| ABERCORN - SB | Columbus to 63rd St | 5070005 | 5070 | 1448.5 | AM | 33.2 | 35 | 0.95 | 1.5 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Columbus to 63rd St | 5070005 | 5070 | 1448.5 | MD | 24.5 | 35 | 0.70 | 17.3 | 10.3 | Signal | B | | B |
| ABERCORN - SB | Columbus to 63rd St | 5070005 | 5070 | 1448.5 | PM | 26.8 | 35 | 0.77 | 13.4 | 8.5 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|---------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--------------------------------|--|
| ABERCORN - SB | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | AM | 19.5 | 40 | 0.49 | 50.3 | 32.3 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| ABERCORN - SB | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | MD | 31.3 | 40 | 0.78 | 14.8 | 0.0 | Signal | B | | B |
| ABERCORN - SB | 63rd St to DeRenne | 5070006 | 5070 | 2759.3 | PM | 22.7 | 40 | 0.57 | 47.2 | 31.0 | Signal | D | Excessive Intersection Delays | Optimize Derenne and Abercorn, NB right turn lane planned |
| ABERCORN - SB | DeRenne to Private Drive | 5070007 | 5070 | 729.3 | AM | 34.2 | 40 | 0.85 | 2.8 | 0.0 | Signal | A | | A |
| ABERCORN - SB | DeRenne to Private Drive | 5070007 | 5070 | 729.3 | MD | 34.6 | 40 | 0.87 | 3.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | DeRenne to Private Drive | 5070007 | 5070 | 729.3 | PM | 32.2 | 40 | 0.80 | 2.5 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Private Drive to Janet | 5070008 | 5070 | 1124.8 | AM | 44.8 | 45 | 1.00 | 0.7 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Private Drive to Janet | 5070008 | 5070 | 1124.8 | MD | 38.8 | 45 | 0.86 | 2.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Private Drive to Janet | 5070008 | 5070 | 1124.8 | PM | 26.4 | 45 | 0.59 | 19.5 | 7.8 | Signal | B | | B |
| ABERCORN - SB | Janet to Lee Blvd | 5070009 | 5070 | 1361.4 | AM | 41.0 | 45 | 0.91 | 2.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Janet to Lee Blvd | 5070009 | 5070 | 1361.4 | MD | 39.9 | 45 | 0.89 | 3.2 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Janet to Lee Blvd | 5070009 | 5070 | 1361.4 | PM | 35.5 | 45 | 0.79 | 5.7 | 0.6 | Signal | A | | A |
| ABERCORN - SB | Lee Blvd to Jackson | 5070010 | 5070 | 964.6 | AM | 45.6 | 45 | 1.01 | 0.9 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Lee Blvd to Jackson | 5070010 | 5070 | 964.6 | MD | 20.7 | 45 | 0.46 | 19.0 | 6.0 | Signal | B | | B |
| ABERCORN - SB | Lee Blvd to Jackson | 5070010 | 5070 | 964.6 | PM | 30.8 | 45 | 0.68 | 11.5 | 4.5 | Signal | B | | B |
| ABERCORN - SB | Jackson to Stephenson | 5070011 | 5070 | 1300.9 | AM | 45.2 | 45 | 1.01 | 1.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Jackson to Stephenson | 5070011 | 5070 | 1300.9 | MD | 25.6 | 45 | 0.57 | 15.8 | 3.3 | Signal | B | | B |
| ABERCORN - SB | Jackson to Stephenson | 5070011 | 5070 | 1300.9 | PM | 16.1 | 45 | 0.36 | 47.9 | 30.0 | Signal | D | Excessive Delays at Stephenson | Coordinate signals between DeRenne and Stephenson |
| ABERCORN - SB | Stephenson to Eisenhower | 5070012 | 5070 | 1364.2 | AM | 32.8 | 45 | 0.73 | 8.1 | 2.0 | Signal | A | | A |
| ABERCORN - SB | Stephenson to Eisenhower | 5070012 | 5070 | 1364.2 | MD | 36.5 | 45 | 0.81 | 4.7 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Stephenson to Eisenhower | 5070012 | 5070 | 1364.2 | PM | 31.1 | 45 | 0.69 | 9.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Eisenhower to Mall Blvd | 5070013 | 5070 | 1555.4 | AM | 36.3 | 45 | 0.81 | 6.6 | 1.3 | Signal | A | | A |
| ABERCORN - SB | Eisenhower to Mall Blvd | 5070013 | 5070 | 1555.4 | MD | 37.4 | 45 | 0.83 | 5.2 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Eisenhower to Mall Blvd | 5070013 | 5070 | 1555.4 | PM | 38.2 | 45 | 0.85 | 4.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mall Blvd to White Bluff | 5070014 | 5070 | 1536.8 | AM | 39.7 | 45 | 0.88 | 3.8 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mall Blvd to White Bluff | 5070014 | 5070 | 1536.8 | MD | 44.5 | 45 | 0.99 | 1.2 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mall Blvd to White Bluff | 5070014 | 5070 | 1536.8 | PM | 28.5 | 45 | 0.63 | 16.7 | 5.6 | Signal | B | | B |
| ABERCORN - SB | White Bluff to Mall Driveway | 5070015 | 5070 | 1234.6 | AM | 42.6 | 45 | 0.95 | 1.3 | 0.0 | Signal | A | | A |
| ABERCORN - SB | White Bluff to Mall Driveway | 5070015 | 5070 | 1234.6 | MD | 40.2 | 45 | 0.89 | 2.1 | 0.0 | Signal | A | | A |
| ABERCORN - SB | White Bluff to Mall Driveway | 5070015 | 5070 | 1234.6 | PM | 36.5 | 45 | 0.81 | 4.4 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | AM | 20.7 | 45 | 0.46 | 35.1 | 23.3 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| ABERCORN - SB | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | MD | 34.8 | 45 | 0.77 | 7.2 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mall Driveway to Montgomery Cross | 5070016 | 5070 | 1638.4 | PM | 18.6 | 45 | 0.41 | 54.3 | 32.0 | Signal | D | Oversaturated Intersection | PI #550570 will widen from 2-4 lanes between Abercorn & Abercorn on Montgomery Cross |
| ABERCORN - SB | Montgomery Cross to Television Circle | 5070017 | 5070 | 2959.4 | AM | 32.6 | 45 | 0.73 | 19.6 | 10.0 | Signal | B | | B |
| ABERCORN - SB | Montgomery Cross to Television Circle | 5070017 | 5070 | 2959.4 | MD | 40.0 | 45 | 0.89 | 5.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Montgomery Cross to Television Circle | 5070017 | 5070 | 2959.4 | PM | 37.0 | 45 | 0.82 | 10.1 | 0.0 | Signal | B | | B |
| ABERCORN - SB | Television Circle to Tibet Ave | 5070018 | 5070 | 1005.4 | AM | 22.7 | 45 | 0.50 | 15.5 | 1.7 | Signal | B | | B |
| ABERCORN - SB | Television Circle to Tibet Ave | 5070018 | 5070 | 1005.4 | MD | 43.2 | 45 | 0.96 | 1.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Television Circle to Tibet Ave | 5070018 | 5070 | 1005.4 | PM | 26.6 | 45 | 0.59 | 11.3 | 1.8 | Signal | B | | B |
| ABERCORN - SB | Tibet Ave to Wilshire Blvd | 5070019 | 5070 | 2018.2 | AM | 43.0 | 45 | 0.96 | 1.8 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Tibet Ave to Wilshire Blvd | 5070019 | 5070 | 2018.2 | MD | 50.0 | 45 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Tibet Ave to Wilshire Blvd | 5070019 | 5070 | 2018.2 | PM | 41.6 | 45 | 0.92 | 2.5 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Wilshire Blvd to Deerfield | 5070020 | 5070 | 4300.6 | AM | 39.0 | 45 | 0.87 | 13.7 | 11.0 | Signal | B | | B |
| ABERCORN - SB | Wilshire Blvd to Deerfield | 5070020 | 5070 | 4300.6 | MD | 49.0 | 45 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Wilshire Blvd to Deerfield | 5070020 | 5070 | 4300.6 | PM | 33.6 | 45 | 0.75 | 32.1 | 18.2 | Signal | C | | C |
| ABERCORN - SB | Deerfield to Largo | 5070021 | 5070 | 1613.2 | AM | 43.5 | 45 | 0.97 | 0.8 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Deerfield to Largo | 5070021 | 5070 | 1613.2 | MD | 42.7 | 45 | 0.95 | 1.3 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Deerfield to Largo | 5070021 | 5070 | 1613.2 | PM | 29.9 | 45 | 0.66 | 24.2 | 15.2 | Signal | C | | C |
| ABERCORN - SB | Largo to Mercy | 5070022 | 5070 | 1390.7 | AM | 47.0 | 45 | 1.04 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Largo to Mercy | 5070022 | 5070 | 1390.7 | MD | 47.0 | 45 | 1.05 | 0.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Largo to Mercy | 5070022 | 5070 | 1390.7 | PM | 22.1 | 45 | 0.49 | 23.0 | 9.5 | Signal | C | | C |
| ABERCORN - SB | Mercy to Science | 5070023 | 5070 | 3831.4 | AM | 46.2 | 45 | 1.03 | 1.8 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mercy to Science | 5070023 | 5070 | 3831.4 | MD | 51.3 | 45 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Mercy to Science | 5070023 | 5070 | 3831.4 | PM | 29.6 | 45 | 0.66 | 39.0 | 20.5 | Signal | D | Delays throughout corridor | Priority IC - Widen 4-6 from Rio to Truman |
| ABERCORN - SB | Science to Apache | 5070024 | 5070 | 1401.2 | AM | 41.5 | 45 | 0.92 | 1.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-----------------------------------|--|
| ABERCORN - SB | Science to Apache | 5070024 | 5070 | 1401.2 | MD | 50.5 | 45 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Science to Apache | 5070024 | 5070 | 1401.2 | PM | 29.1 | 45 | 0.65 | 31.3 | 20.3 | Signal | C | | C |
| ABERCORN - SB | Apache to Rio | 5070025 | 5070 | 2685.1 | AM | 38.4 | 45 | 0.85 | 17.6 | 10.5 | Signal | B | | B |
| ABERCORN - SB | Apache to Rio | 5070025 | 5070 | 2685.1 | MD | 24.3 | 45 | 0.54 | 33.7 | 22.7 | Signal | C | | C |
| ABERCORN - SB | Apache to Rio | 5070025 | 5070 | 2685.1 | PM | 15.8 | 45 | 0.35 | 127.9 | 70.5 | Signal | F | | F |
| ABERCORN - SB | Rio to City Limit | 5070026 | 5070 | 1579.8 | AM | 48.0 | 55 | 0.87 | 3.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Rio to City Limit | 5070026 | 5070 | 1579.8 | MD | 47.1 | 55 | 0.86 | 3.3 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Rio to City Limit | 5070026 | 5070 | 1579.8 | PM | 36.1 | 55 | 0.66 | 23.2 | 3.6 | Signal | C | | C |
| ABERCORN - SB | City Limit to Veterans Pkwy | 5070027 | 5070 | 5420.2 | AM | 57.9 | 55 | 1.05 | 2.0 | 0.0 | City Limit | A | | A |
| ABERCORN - SB | City Limit to Veterans Pkwy | 5070027 | 5070 | 5420.2 | MD | 57.2 | 55 | 1.04 | 0.0 | 0.0 | City Limit | A | | A |
| ABERCORN - SB | City Limit to Veterans Pkwy | 5070027 | 5070 | 5420.2 | PM | 36.7 | 55 | 0.67 | 72.0 | 8.8 | City Limit | B | | B |
| ABERCORN - SB | Veterens Pkwy to King George | 5070028 | 5070 | 5532.3 | AM | 49.8 | 55 | 0.90 | 9.5 | 5.8 | Signal | A | | A |
| ABERCORN - SB | Veterens Pkwy to King George | 5070028 | 5070 | 5532.3 | MD | 36.5 | 55 | 0.66 | 38.2 | 22.0 | Signal | D | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George appr |
| ABERCORN - SB | Veterens Pkwy to King George | 5070028 | 5070 | 5532.3 | PM | 27.0 | 55 | 0.49 | 144.9 | 64.5 | Signal | F | Westbound Delays to King George | Priority IC - Widen 4-6 between King George and Rio, Priority II - Widen 6-8, widen King George appr |
| ABERCORN - SB | King George to Pine Grove | 5070029 | 5070 | 3413.3 | AM | 54.1 | 55 | 0.98 | 1.3 | 0.0 | Signal | A | | A |
| ABERCORN - SB | King George to Pine Grove | 5070029 | 5070 | 3413.3 | MD | 50.9 | 55 | 0.93 | 3.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | King George to Pine Grove | 5070029 | 5070 | 3413.3 | PM | 45.6 | 55 | 0.83 | 13.7 | 2.9 | Signal | B | | B |
| ABERCORN - SB | Pine Grove to US 17 | 5070030 | 5070 | 7497.5 | AM | 62.5 | 55 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Pine Grove to US 17 | 5070030 | 5070 | 7497.5 | MD | 59.8 | 55 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| ABERCORN - SB | Pine Grove to US 17 | 5070030 | 5070 | 7497.5 | PM | 60.6 | 55 | 1.10 | 0.6 | 0.0 | Signal | A | | A |
| ABERCORN - SB | US 17 to Gateway | 5070031 | 5070 | 10230.7 | AM | 48.0 | 55 | 0.87 | 22.5 | 18.0 | Cross Street | A | | A |
| ABERCORN - SB | US 17 to Gateway | 5070031 | 5070 | 10230.7 | MD | 46.8 | 55 | 0.85 | 33.7 | 28.0 | Cross Street | A | | A |
| ABERCORN - SB | US 17 to Gateway | 5070031 | 5070 | 10230.7 | PM | 47.7 | 55 | 0.87 | 24.5 | 19.9 | Cross Street | A | | A |
| ABERCORN - SB | I-95 to I-95 SB Ramp | 5070033 | 5070 | 691 | AM | 29.5 | 55 | 0.54 | 16.0 | 9.3 | Cross Street | C | | C |
| ABERCORN - SB | I-95 to I-95 SB Ramp | 5070033 | 5070 | 691 | MD | 11.6 | 55 | 0.21 | 28.1 | 17.3 | Cross Street | F | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| ABERCORN - SB | I-95 to I-95 SB Ramp | 5070033 | 5070 | 691 | PM | 21.8 | 55 | 0.40 | 21.5 | 9.2 | Cross Street | D | Delays between I-95 S and Gateway | Priority II - Operational at I-95, Coordinate signals between I-95 South ramp and Gateway |
| PRICE - SB | Bay St to Broughton | 5072001 | 5072 | 743.8 | AM | 19.6 | 30 | 0.65 | 11.7 | 5.5 | Signal | B | | B |
| PRICE - SB | Bay St to Broughton | 5072001 | 5072 | 743.8 | MD | 25.0 | 30 | 0.83 | 4.2 | 0.5 | Signal | A | | A |
| PRICE - SB | Bay St to Broughton | 5072001 | 5072 | 743.8 | PM | 16.6 | 30 | 0.55 | 49.5 | 11.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| PRICE - SB | Broughton to Oglethorpe | 5072002 | 5072 | 772.9 | AM | 18.6 | 30 | 0.62 | 10.9 | 4.6 | Signal | B | | B |
| PRICE - SB | Broughton to Oglethorpe | 5072002 | 5072 | 772.9 | MD | 11.6 | 30 | 0.39 | 30.0 | 21.3 | Signal | C | | C |
| PRICE - SB | Broughton to Oglethorpe | 5072002 | 5072 | 772.9 | PM | 13.9 | 30 | 0.46 | 30.1 | 20.8 | Signal | C | | C |
| PRICE - SB | Oglethorpe to Liberty | 5072003 | 5072 | 868.4 | AM | 11.2 | 30 | 0.37 | 34.8 | 23.4 | Signal | C | | C |
| PRICE - SB | Oglethorpe to Liberty | 5072003 | 5072 | 868.4 | MD | 31.3 | 30 | 1.04 | 0.5 | 0.0 | Signal | A | | A |
| PRICE - SB | Oglethorpe to Liberty | 5072003 | 5072 | 868.4 | PM | 14.7 | 30 | 0.49 | 33.7 | 22.5 | Signal | C | | C |
| PRICE - SB | Liberty to Gordon | 5072004 | 5072 | 1369.6 | AM | 37.2 | 35 | 1.06 | 0.8 | 0.0 | Signal | A | | A |
| PRICE - SB | Liberty to Gordon | 5072004 | 5072 | 1369.6 | MD | 38.1 | 35 | 1.09 | 0.5 | 0.0 | Signal | A | | A |
| PRICE - SB | Liberty to Gordon | 5072004 | 5072 | 1369.6 | PM | 32.2 | 35 | 0.92 | 3.1 | 0.0 | Signal | A | | A |
| PRICE - SB | Gordon to Gwinnett | 5072005 | 5072 | 1464.5 | AM | 36.3 | 35 | 1.04 | 2.9 | 1.8 | Flashing Yellow | A | | A |
| PRICE - SB | Gordon to Gwinnett | 5072005 | 5072 | 1464.5 | MD | 32.0 | 35 | 0.91 | 3.9 | 2.0 | Flashing Yellow | A | | A |
| PRICE - SB | Gordon to Gwinnett | 5072005 | 5072 | 1464.5 | PM | 27.6 | 35 | 0.79 | 12.2 | 3.8 | Flashing Yellow | B | | B |
| PRICE - SB | Gwinnett to Henry | 5072006 | 5072 | 1521.3 | AM | 25.1 | 35 | 0.72 | 17.7 | 12.8 | Signal | B | | B |
| PRICE - SB | Gwinnett to Henry | 5072006 | 5072 | 1521.3 | MD | 17.7 | 35 | 0.51 | 30.8 | 19.8 | Signal | C | | C |
| PRICE - SB | Gwinnett to Henry | 5072006 | 5072 | 1521.3 | PM | 28.8 | 35 | 0.82 | 6.9 | 0.0 | Signal | A | | A |
| PRICE - SB | Henry to Anderson | 5072007 | 5072 | 298.7 | AM | 15.9 | 35 | 0.45 | 18.0 | 12.4 | Signal | B | | B |
| PRICE - SB | Henry to Anderson | 5072007 | 5072 | 298.7 | MD | 27.2 | 35 | 0.78 | 1.7 | 0.0 | Signal | A | | A |
| PRICE - SB | Henry to Anderson | 5072007 | 5072 | 298.7 | PM | 24.8 | 35 | 0.71 | 1.7 | 0.0 | Signal | A | | A |
| PRICE - SB | Anderson to 37th St | 5072008 | 5072 | 1991.1 | AM | 30.0 | 35 | 0.86 | 12.4 | 7.6 | Signal | B | | B |
| PRICE - SB | Anderson to 37th St | 5072008 | 5072 | 1991.1 | MD | 26.6 | 35 | 0.76 | 22.1 | 16.3 | Signal | C | | C |
| PRICE - SB | Anderson to 37th St | 5072008 | 5072 | 1991.1 | PM | 14.5 | 35 | 0.41 | 54.5 | 39.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| PRICE - SB | 37th St to Victory | 5072009 | 5072 | 1781.3 | AM | 21.3 | 35 | 0.61 | 25.9 | 16.2 | Signal | C | | C |
| PRICE - SB | 37th St to Victory | 5072009 | 5072 | 1781.3 | MD | 22.4 | 35 | 0.64 | 22.5 | 13.0 | Signal | C | | C |
| PRICE - SB | 37th St to Victory | 5072009 | 5072 | 1781.3 | PM | 19.2 | 35 | 0.55 | 36.0 | 21.8 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| STILES - NB | US 17 to Cloverdale | 5073001 | 5073 | 3195 | AM | 38.6 | 35 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| STILES - NB | US 17 to Cloverdale | 5073001 | 5073 | 3195 | MD | 41.2 | 35 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| STILES - NB | US 17 to Cloverdale | 5073001 | 5073 | 3195 | PM | 42.9 | 35 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| STILES - NB | Cloverdale to I-16 | 5073002 | 5073 | 1228 | AM | 36.0 | 35 | 1.03 | 1.6 | 0.0 | Signal | A | | A |
| STILES - NB | Cloverdale to I-16 | 5073002 | 5073 | 1228 | MD | 46.4 | 35 | 1.33 | 0.0 | 0.0 | Signal | A | | A |
| STILES - NB | Cloverdale to I-16 | 5073002 | 5073 | 1228 | PM | 36.4 | 35 | 1.04 | 1.2 | 0.0 | Signal | A | | A |
| STILES - NB | I-16 to Gwinnett | 5073003 | 5073 | 1940.4 | AM | 25.6 | 35 | 0.73 | 16.0 | 6.5 | Cross Street | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---------------------------------|--|
| STILES - NB | I-16 to Gwinnett | 5073003 | 5073 | 1940.4 | MD | 29.9 | 35 | 0.85 | 8.4 | 5.5 | Cross Street | B | | B |
| STILES - NB | I-16 to Gwinnett | 5073003 | 5073 | 1940.4 | PM | 19.9 | 35 | 0.57 | 29.9 | 19.7 | Cross Street | C | | C |
| STILES - NB | Gwinnett to Louisville | 5073004 | 5073 | 2885.5 | AM | 29.4 | 35 | 0.84 | 12.0 | 6.2 | Signal | B | | B |
| STILES - NB | Gwinnett to Louisville | 5073004 | 5073 | 2885.5 | MD | 27.9 | 35 | 0.80 | 15.6 | 2.7 | Signal | B | | B |
| STILES - NB | Gwinnett to Louisville | 5073004 | 5073 | 2885.5 | PM | 28.5 | 35 | 0.81 | 19.8 | 13.0 | Signal | B | | B |
| STILES - SB | Louisville to Gwinnett | 5074001 | 5074 | 2885.5 | AM | 27.7 | 35 | 0.79 | 16.0 | 4.0 | Signal | B | | B |
| STILES - SB | Louisville to Gwinnett | 5074001 | 5074 | 2885.5 | MD | 32.3 | 35 | 0.92 | 4.8 | 0.0 | Signal | A | | A |
| STILES - SB | Louisville to Gwinnett | 5074001 | 5074 | 2885.5 | PM | 27.0 | 35 | 0.77 | 16.9 | 3.7 | Signal | B | | B |
| STILES - SB | Gwinnett to I-16 | 5074002 | 5074 | 1940.4 | AM | 33.0 | 35 | 0.94 | 5.2 | 0.0 | Signal | A | | A |
| STILES - SB | Gwinnett to I-16 | 5074002 | 5074 | 1940.4 | MD | 34.2 | 35 | 0.98 | 1.1 | 0.0 | Signal | A | | A |
| STILES - SB | Gwinnett to I-16 | 5074002 | 5074 | 1940.4 | PM | 35.2 | 35 | 1.01 | 3.9 | 0.0 | Signal | A | | A |
| STILES - SB | I-16 to Cloverdale | 5074003 | 5074 | 1228.1 | AM | 37.1 | 35 | 1.06 | 0.6 | 0.0 | Cross Street | A | | A |
| STILES - SB | I-16 to Cloverdale | 5074003 | 5074 | 1228.1 | MD | 38.9 | 35 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| STILES - SB | I-16 to Cloverdale | 5074003 | 5074 | 1228.1 | PM | 35.3 | 35 | 1.01 | 0.0 | 0.0 | Cross Street | A | | A |
| STILES - SB | Cloverdale to US 17 | 5074004 | 5074 | 3194.9 | AM | 21.4 | 35 | 0.61 | 50.5 | 44.5 | Signal | D | Delay for left turning vehicles | GDOT will be installing a signal for SB left turns |
| STILES - SB | Cloverdale to US 17 | 5074004 | 5074 | 3194.9 | MD | 26.2 | 35 | 0.75 | 20.5 | 19.0 | Signal | C | | C |
| STILES - SB | Cloverdale to US 17 | 5074004 | 5074 | 3194.9 | PM | 30.8 | 35 | 0.88 | 8.5 | 5.3 | Signal | A | | A |
| EAST BROAD ST - NB | Victory to 40th St | 5075001 | 5075 | 853 | AM | 25.7 | 35 | 0.73 | 6.5 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | Victory to 40th St | 5075001 | 5075 | 853 | MD | 28.8 | 35 | 0.82 | 3.9 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | Victory to 40th St | 5075001 | 5075 | 853 | PM | 23.9 | 35 | 0.68 | 7.2 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | 40th St to 37th St | 5075002 | 5075 | 922 | AM | 22.2 | 35 | 0.64 | 22.7 | 13.7 | Flashing Yellow | C | | C |
| EAST BROAD ST - NB | 40th St to 37th St | 5075002 | 5075 | 922 | MD | 16.5 | 35 | 0.47 | 36.6 | 27.5 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | 40th St to 37th St | 5075002 | 5075 | 922 | PM | 16.8 | 35 | 0.48 | 29.9 | 17.3 | Flashing Yellow | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | 37th St to Anderson | 5075003 | 5075 | 1985.5 | AM | 24.3 | 35 | 0.70 | 18.1 | 10.0 | Signal | B | | B |
| EAST BROAD ST - NB | 37th St to Anderson | 5075003 | 5075 | 1985.5 | MD | 22.8 | 35 | 0.65 | 36.7 | 26.4 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | 37th St to Anderson | 5075003 | 5075 | 1985.5 | PM | 26.9 | 35 | 0.77 | 20.6 | 8.0 | Signal | C | | C |
| EAST BROAD ST - NB | Anderson to Henry | 5075004 | 5075 | 318.2 | AM | 29.2 | 35 | 0.84 | 1.4 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | Anderson to Henry | 5075004 | 5075 | 318.2 | MD | 23.5 | 35 | 0.67 | 9.2 | 6.2 | Signal | A | | A |
| EAST BROAD ST - NB | Anderson to Henry | 5075004 | 5075 | 318.2 | PM | 28.7 | 35 | 0.82 | 1.7 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | Henry to Gwinnett | 5075005 | 5075 | 1506.2 | AM | 32.3 | 35 | 0.92 | 6.4 | 1.5 | Signal | A | | A |
| EAST BROAD ST - NB | Henry to Gwinnett | 5075005 | 5075 | 1506.2 | MD | 27.1 | 35 | 0.77 | 8.7 | 1.6 | Signal | A | | A |
| EAST BROAD ST - NB | Henry to Gwinnett | 5075005 | 5075 | 1506.2 | PM | 26.5 | 35 | 0.76 | 11.1 | 1.3 | Signal | B | | B |
| EAST BROAD ST - NB | Gwinnett to Liberty | 5075006 | 5075 | 2845.5 | AM | 24.6 | 35 | 0.70 | 27.4 | 9.8 | Signal | C | | C |
| EAST BROAD ST - NB | Gwinnett to Liberty | 5075006 | 5075 | 2845.5 | MD | 26.9 | 35 | 0.77 | 18.9 | 5.2 | Signal | B | | B |
| EAST BROAD ST - NB | Gwinnett to Liberty | 5075006 | 5075 | 2845.5 | PM | 23.4 | 35 | 0.67 | 40.9 | 22.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | Liberty to President | 5075007 | 5075 | 1260.2 | AM | 23.8 | 33 | 0.71 | 12.2 | 5.8 | Signal | B | | B |
| EAST BROAD ST - NB | Liberty to President | 5075007 | 5075 | 1260.2 | MD | 16.0 | 33 | 0.48 | 35.9 | 24.4 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| EAST BROAD ST - NB | Liberty to President | 5075007 | 5075 | 1260.2 | PM | 20.1 | 33 | 0.60 | 19.3 | 9.0 | Signal | B | | B |
| EAST BROAD ST - NB | President to Bay St | 5075008 | 5075 | 1119.2 | AM | 20.9 | 30 | 0.70 | 11.5 | 4.5 | Signal | B | | B |
| EAST BROAD ST - NB | President to Bay St | 5075008 | 5075 | 1119.2 | MD | 23.6 | 30 | 0.79 | 7.6 | 0.0 | Signal | A | | A |
| EAST BROAD ST - NB | President to Bay St | 5075008 | 5075 | 1119.2 | PM | 16.6 | 30 | 0.55 | 21.8 | 9.8 | Signal | C | | C |
| EAST BROAD ST - SB | Bay St to President | 5076001 | 5076 | 1119.2 | AM | 20.9 | 30 | 0.70 | 13.2 | 4.6 | Signal | B | | B |
| EAST BROAD ST - SB | Bay St to President | 5076001 | 5076 | 1119.2 | MD | 20.4 | 30 | 0.68 | 11.7 | 0.3 | Signal | B | | B |
| EAST BROAD ST - SB | Bay St to President | 5076001 | 5076 | 1119.2 | PM | 22.5 | 30 | 0.75 | 8.1 | 0.0 | Signal | A | | A |
| EAST BROAD ST - SB | President to Liberty | 5076002 | 5076 | 1260.3 | AM | 21.0 | 33 | 0.63 | 20.8 | 11.1 | Signal | C | | C |
| EAST BROAD ST - SB | President to Liberty | 5076002 | 5076 | 1260.3 | MD | 25.7 | 33 | 0.77 | 7.7 | 1.7 | Signal | A | | A |
| EAST BROAD ST - SB | President to Liberty | 5076002 | 5076 | 1260.3 | PM | 21.4 | 33 | 0.64 | 19.2 | 6.0 | Signal | B | | B |
| EAST BROAD ST - SB | Liberty to Gwinnett | 5076003 | 5076 | 2845.4 | AM | 24.6 | 35 | 0.70 | 25.2 | 10.7 | Signal | C | | C |
| EAST BROAD ST - SB | Liberty to Gwinnett | 5076003 | 5076 | 2845.4 | MD | 27.6 | 35 | 0.79 | 15.8 | 7.3 | Signal | B | | B |
| EAST BROAD ST - SB | Liberty to Gwinnett | 5076003 | 5076 | 2845.4 | PM | 29.3 | 35 | 0.84 | 11.1 | 2.3 | Signal | B | | B |
| HARRY S TRUMAN - NB | DeRenne to Delesseps | 5077001 | 5077 | 4668.6 | AM | 47.1 | 55 | 0.86 | 10.1 | 2.4 | Signal | B | | B |
| HARRY S TRUMAN - NB | DeRenne to Delesseps | 5077001 | 5077 | 4668.6 | MD | 49.1 | 55 | 0.89 | 10.9 | 0.0 | Signal | B | | B |
| HARRY S TRUMAN - NB | DeRenne to Delesseps | 5077001 | 5077 | 4668.6 | PM | 50.6 | 55 | 0.92 | 5.0 | 0.0 | Signal | A | | A |
| HARRY S TRUMAN - NB | Delesseps to Victory | 5077002 | 5077 | 5655.4 | AM | 59.3 | 55 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Delesseps to Victory | 5077002 | 5077 | 5655.4 | MD | 61.9 | 55 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Delesseps to Victory | 5077002 | 5077 | 5655.4 | PM | 58.1 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Victory to Anderson/Henry | 5077003 | 5077 | 4994.2 | AM | 58.6 | 55 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Victory to Anderson/Henry | 5077003 | 5077 | 4994.2 | MD | 64.5 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Victory to Anderson/Henry | 5077003 | 5077 | 4994.2 | PM | 58.4 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Anderson/Henry to President | 5077004 | 5077 | 6950.7 | AM | 57.8 | 55 | 1.05 | 0.5 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Anderson/Henry to President | 5077004 | 5077 | 6950.7 | MD | 59.0 | 55 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | Anderson/Henry to President | 5077004 | 5077 | 6950.7 | PM | 56.0 | 55 | 1.02 | 0.8 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------|-----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| HARRY S TRUMAN - NB | President to Islands Expressway | 5077005 | 5077 | 1769.5 | AM | 26.1 | 20 | 1.31 | 14.3 | 21.5 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | President to Islands Expressway | 5077005 | 5077 | 1769.5 | MD | 39.2 | 20 | 1.96 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - NB | President to Islands Expressway | 5077005 | 5077 | 1769.5 | PM | 15.5 | 20 | 0.77 | 27.9 | 40.3 | Cross Street | C | | C |
| HARRY S TRUMAN - SB | Islands Expressway to President | 5078001 | 5078 | 1172 | AM | 31.9 | 20 | 1.60 | 0.0 | 0.0 | Signal | A | | A |
| HARRY S TRUMAN - SB | Islands Expressway to President | 5078001 | 5078 | 1172 | MD | 35.6 | 20 | 1.78 | 0.0 | 0.0 | Signal | A | | A |
| HARRY S TRUMAN - SB | Islands Expressway to President | 5078001 | 5078 | 1172 | PM | 30.3 | 20 | 1.52 | 0.0 | 0.0 | Signal | A | | A |
| HARRY S TRUMAN - SB | President to Anderson/Henry | 5078002 | 5078 | 6950.7 | AM | 54.0 | 55 | 0.98 | 4.3 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | President to Anderson/Henry | 5078002 | 5078 | 6950.7 | MD | 60.7 | 55 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | President to Anderson/Henry | 5078002 | 5078 | 6950.7 | PM | 53.6 | 55 | 0.98 | 3.5 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Anderson/Henry to Victory | 5078003 | 5078 | 4994.2 | AM | 60.0 | 55 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Anderson/Henry to Victory | 5078003 | 5078 | 4994.2 | MD | 64.5 | 55 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Anderson/Henry to Victory | 5078003 | 5078 | 4994.2 | PM | 59.0 | 55 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Victory to Delesseps | 5078004 | 5078 | 5655.4 | AM | 58.5 | 55 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Victory to Delesseps | 5078004 | 5078 | 5655.4 | MD | 64.7 | 55 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Victory to Delesseps | 5078004 | 5078 | 5655.4 | PM | 56.6 | 55 | 1.03 | 0.4 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Delesseps to DeRenne | 5078005 | 5078 | 4746.1 | AM | 35.8 | 55 | 0.65 | 41.4 | 23.2 | Cross Street | B | | B |
| HARRY S TRUMAN - SB | Delesseps to DeRenne | 5078005 | 5078 | 4746.1 | MD | 48.0 | 55 | 0.87 | 8.5 | 0.0 | Cross Street | A | | A |
| HARRY S TRUMAN - SB | Delesseps to DeRenne | 5078005 | 5078 | 4746.1 | PM | 27.1 | 55 | 0.49 | 59.7 | 34.0 | Cross Street | C | | C |
| SH 25 (CROSSGATE/BOURNE) NB | SH 21 to SH 25 Merge | 5079002 | 5079 | 559.9 | AM | 21.0 | 45 | 0.47 | 12.9 | 4.5 | Signal | B | | B |
| SH 25 (CROSSGATE/BOURNE) NB | SH 21 to SH 25 Merge | 5079002 | 5079 | 559.9 | MD | 19.8 | 45 | 0.44 | 19.0 | 10.5 | Signal | B | | B |
| SH 25 (CROSSGATE/BOURNE) NB | SH 25 Merge to SH 21 Spur | 5079003 | 5079 | 3088.4 | AM | 41.3 | 45 | 0.92 | 4.3 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | SH 25 Merge to SH 21 Spur | 5079003 | 5079 | 3088.4 | MD | 41.1 | 45 | 0.91 | 6.9 | 3.4 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | SH 25 Merge to SH 21 Spur | 5079003 | 5079 | 3088.4 | PM | 26.7 | 45 | 0.59 | 47.9 | 29.2 | Signal | D | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| SH 25 (CROSSGATE/BOURNE) NB | SH 21 Spur to Port Authority | 5079004 | 5079 | 2073.9 | AM | 26.3 | 35 | 0.75 | 80.8 | 58.0 | Signal | F | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| SH 25 (CROSSGATE/BOURNE) NB | SH 21 Spur to Port Authority | 5079004 | 5079 | 2073.9 | MD | 24.8 | 35 | 0.71 | 88.1 | 66.8 | Signal | F | Sufficient Roadway Capacity but High Delays | Signal Operations - High Truck Volumes and construction detour, study again next CMS |
| SH 25 (CROSSGATE/BOURNE) NB | SH 21 Spur to Port Authority | 5079004 | 5079 | 2073.9 | PM | 31.9 | 35 | 0.91 | 4.1 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | Port Authority to SH 307 - Bourne | 5079005 | 5079 | 5146.8 | AM | 33.1 | 35 | 0.95 | 20.4 | 21.4 | Signal | C | | C |
| SH 25 (CROSSGATE/BOURNE) NB | Port Authority to SH 307 - Bourne | 5079005 | 5079 | 5146.8 | MD | 31.1 | 35 | 0.89 | 22.5 | 9.2 | Signal | C | | C |
| SH 25 (CROSSGATE/BOURNE) NB | Port Authority to SH 307 - Bourne | 5079005 | 5079 | 5146.8 | PM | 37.1 | 35 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | Cross Gate to SH 30 | 5079009 | 5079 | 2986.7 | AM | 34.3 | 35 | 0.98 | 6.2 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | Cross Gate to SH 30 | 5079009 | 5079 | 2986.7 | MD | 35.2 | 35 | 1.01 | 4.3 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | Cross Gate to SH 30 | 5079009 | 5079 | 2986.7 | PM | 29.6 | 35 | 0.85 | 12.5 | 3.8 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|-----------------------------|-----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| SH 25 (CROSSGATE/BOURNE) NB | SH 30 to Chatham County Line | 5079010 | 5079 | 14432.1 | AM | 51.6 | 44 | 1.17 | 0.0 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | SH 30 to Chatham County Line | 5079010 | 5079 | 14432.1 | MD | 44.0 | 44 | 1.00 | 1.5 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) NB | SH 30 to Chatham County Line | 5079010 | 5079 | 14432.1 | PM | 48.4 | 44 | 1.10 | 0.9 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | Chatham County Line to SH 30 | 5080002 | 5080 | 14432.2 | AM | 51.2 | 44 | 1.16 | 0.0 | 2.8 | Cross Street | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | Chatham County Line to SH 30 | 5080002 | 5080 | 14432.2 | MD | 55.7 | 44 | 1.26 | 0.0 | 0.0 | Cross Street | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | Chatham County Line to SH 30 | 5080002 | 5080 | 14432.2 | PM | 50.0 | 44 | 1.13 | 4.7 | 2.6 | Cross Street | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 30 to Cross Gate | 5080003 | 5080 | 2986.7 | AM | 33.6 | 35 | 0.96 | 8.2 | 1.3 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 30 to Cross Gate | 5080003 | 5080 | 2986.7 | MD | 49.1 | 35 | 1.40 | 0.0 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 30 to Cross Gate | 5080003 | 5080 | 2986.7 | PM | 37.2 | 35 | 1.06 | 0.5 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 307 - Bourne to Port Authority | 5080007 | 5080 | 5146.7 | AM | 41.2 | 35 | 1.18 | 1.9 | 7.2 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 307 - Bourne to Port Authority | 5080007 | 5080 | 5146.7 | MD | 36.1 | 35 | 1.03 | 6.1 | 7.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 307 - Bourne to Port Authority | 5080007 | 5080 | 5146.7 | PM | 36.8 | 35 | 1.05 | 7.6 | 7.8 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | Port Authority to SH 21 Spur | 5080008 | 5080 | 2073.9 | AM | 25.4 | 35 | 0.73 | 33.8 | 25.2 | Signal | C | | C |
| SH 25 (CROSSGATE/BOURNE) SB | Port Authority to SH 21 Spur | 5080008 | 5080 | 2073.9 | MD | 27.8 | 35 | 0.80 | 11.0 | 0.0 | Signal | B | | B |
| SH 25 (CROSSGATE/BOURNE) SB | Port Authority to SH 21 Spur | 5080008 | 5080 | 2073.9 | PM | 22.6 | 35 | 0.65 | 26.9 | 14.0 | Signal | C | | C |
| SH 25 (CROSSGATE/BOURNE) SB | SH 21 Spur to SH 25 Merge | 5080009 | 5080 | 3088.5 | AM | 42.6 | 45 | 0.95 | 2.9 | 0.4 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 21 Spur to SH 25 Merge | 5080009 | 5080 | 3088.5 | MD | 41.6 | 45 | 0.93 | 12.2 | 8.3 | Signal | B | | B |
| SH 25 (CROSSGATE/BOURNE) SB | SH 21 Spur to SH 25 Merge | 5080009 | 5080 | 3088.5 | PM | 40.9 | 45 | 0.91 | 5.7 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 25 Merge to SH 21 | 5080010 | 5080 | 559.8 | AM | 28.1 | 45 | 0.63 | 5.1 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 25 Merge to SH 21 | 5080010 | 5080 | 559.8 | MD | 30.3 | 45 | 0.67 | 3.7 | 0.0 | Signal | A | | A |
| SH 25 (CROSSGATE/BOURNE) SB | SH 25 Merge to SH 21 | 5080010 | 5080 | 559.8 | PM | 21.0 | 45 | 0.47 | 9.0 | 0.0 | Signal | A | | A |
| BLOOMINGDALE/CHERRY - NB | I-16 to US 80 | 5081002 | 5081 | 15517.2 | AM | 38.4 | 42 | 0.91 | 26.0 | 22.3 | Cross Street | B | | B |
| BLOOMINGDALE/CHERRY - NB | I-16 to US 80 | 5081002 | 5081 | 15517.2 | MD | 38.3 | 42 | 0.91 | 27.8 | 19.0 | Cross Street | B | | B |
| BLOOMINGDALE/CHERRY - NB | I-16 to US 80 | 5081002 | 5081 | 15517.2 | PM | 37.7 | 42 | 0.89 | 31.3 | 23.7 | Cross Street | B | | B |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--------------------------|-------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------------------|--|
| BLOOMINGDALE/CHERRY - SB | US 80 to I-16 | 5082001 | 5082 | 15517.2 | AM | 43.3 | 42 | 1.03 | 0.0 | 0.0 | TWSC | A | | A |
| BLOOMINGDALE/CHERRY - SB | US 80 to I-16 | 5082001 | 5082 | 15517.2 | MD | 44.7 | 42 | 1.06 | 0.1 | 0.0 | TWSC | A | | A |
| BLOOMINGDALE/CHERRY - SB | US 80 to I-16 | 5082001 | 5082 | 15517.2 | PM | 40.5 | 42 | 0.96 | 15.9 | 3.6 | TWSC | C | | C |
| JOHNNY MERCER - EB | US 80 to White Marsh | 5083001 | 5083 | 4488 | AM | 40.3 | 45 | 0.90 | 8.2 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | US 80 to White Marsh | 5083001 | 5083 | 4488 | MD | 40.5 | 45 | 0.90 | 7.8 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | US 80 to White Marsh | 5083001 | 5083 | 4488 | PM | 38.6 | 45 | 0.86 | 12.8 | 4.3 | Signal | B | | B |
| JOHNNY MERCER - EB | White Marsh to Bryan Woods | 5083002 | 5083 | 4421.3 | AM | 47.4 | 45 | 1.05 | 0.7 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | White Marsh to Bryan Woods | 5083002 | 5083 | 4421.3 | MD | 45.1 | 45 | 1.00 | 4.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | White Marsh to Bryan Woods | 5083002 | 5083 | 4421.3 | PM | 40.8 | 45 | 0.91 | 7.6 | 1.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Bryan Woods to Spence Grayson River | 5083003 | 5083 | 3578.7 | AM | 50.9 | 45 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Bryan Woods to Spence Grayson River | 5083003 | 5083 | 3578.7 | MD | 49.4 | 45 | 1.10 | 0.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Bryan Woods to Spence Grayson River | 5083003 | 5083 | 3578.7 | PM | 47.6 | 45 | 1.06 | 1.2 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Spence Grayson River to Walgreens | 5083004 | 5083 | 2284.8 | AM | 50.6 | 45 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| JOHNNY MERCER - EB | Spence Grayson River to Walgreens | 5083004 | 5083 | 2284.8 | MD | 48.3 | 45 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| JOHNNY MERCER - EB | Spence Grayson River to Walgreens | 5083004 | 5083 | 2284.8 | PM | 34.4 | 45 | 0.76 | 11.7 | 1.5 | Cross Street | B | | B |
| JOHNNY MERCER - EB | Walgreens to Wilmington Island | 5083005 | 5083 | 1348.8 | AM | 31.0 | 35 | 0.89 | 6.5 | 4.4 | Signal | A | | A |
| JOHNNY MERCER - EB | Walgreens to Wilmington Island | 5083005 | 5083 | 1348.8 | MD | 32.2 | 35 | 0.92 | 2.3 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Walgreens to Wilmington Island | 5083005 | 5083 | 1348.8 | PM | 13.3 | 35 | 0.38 | 49.0 | 28.3 | Signal | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| JOHNNY MERCER - EB | Wilmington Island to Penn Waller | 5083006 | 5083 | 2492.4 | AM | 25.4 | 35 | 0.73 | 20.5 | 11.8 | Signal | C | | C |
| JOHNNY MERCER - EB | Wilmington Island to Penn Waller | 5083006 | 5083 | 2492.4 | MD | 31.2 | 35 | 0.89 | 6.4 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Wilmington Island to Penn Waller | 5083006 | 5083 | 2492.4 | PM | 21.8 | 35 | 0.62 | 31.1 | 11.0 | Signal | C | | C |
| JOHNNY MERCER - EB | Penn Waller to Walthour | 5083007 | 5083 | 3932.3 | AM | 36.2 | 35 | 1.03 | 2.4 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Penn Waller to Walthour | 5083007 | 5083 | 3932.3 | MD | 37.7 | 35 | 1.08 | 2.5 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Penn Waller to Walthour | 5083007 | 5083 | 3932.3 | PM | 34.8 | 35 | 1.00 | 2.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - EB | Walthour to US 80 | 5083008 | 5083 | 2908.6 | AM | 30.3 | 35 | 0.87 | 9.6 | 5.3 | Cross Street | A | | A |
| JOHNNY MERCER - EB | Walthour to US 80 | 5083008 | 5083 | 2908.6 | MD | 25.9 | 35 | 0.74 | 21.6 | 15.3 | Cross Street | B | | B |
| JOHNNY MERCER - EB | Walthour to US 80 | 5083008 | 5083 | 2908.6 | PM | 28.4 | 35 | 0.81 | 14.7 | 9.5 | Cross Street | B | | B |
| JOHNNY MERCER - WB | US 80 to Walthour | 5084002 | 5084 | 2908.6 | AM | 37.5 | 35 | 1.07 | 3.9 | 0.6 | Signal | A | | A |
| JOHNNY MERCER - WB | US 80 to Walthour | 5084002 | 5084 | 2908.6 | MD | 35.1 | 35 | 1.00 | 1.6 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | US 80 to Walthour | 5084002 | 5084 | 2908.6 | PM | 34.8 | 35 | 0.99 | 1.3 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Walthour to Penn Waller | 5084003 | 5084 | 3932.3 | AM | 33.1 | 35 | 0.95 | 12.8 | 9.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Walthour to Penn Waller | 5084003 | 5084 | 3932.3 | MD | 31.4 | 35 | 0.90 | 9.3 | 4.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Walthour to Penn Waller | 5084003 | 5084 | 3932.3 | PM | 30.8 | 35 | 0.88 | 10.9 | 5.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Penn Waller to Wilmington Island | 5084004 | 5084 | 2492.4 | AM | 26.0 | 35 | 0.74 | 31.6 | 20.6 | Signal | C | | C |
| JOHNNY MERCER - WB | Penn Waller to Wilmington Island | 5084004 | 5084 | 2492.4 | MD | 35.4 | 35 | 1.01 | 1.4 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Penn Waller to Wilmington Island | 5084004 | 5084 | 2492.4 | PM | 22.8 | 35 | 0.65 | 30.5 | 18.3 | Signal | C | | C |
| JOHNNY MERCER - WB | Wilmington Island to Walgreens | 5084005 | 5084 | 1348.8 | AM | 39.6 | 35 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Wilmington Island to Walgreens | 5084005 | 5084 | 1348.8 | MD | 32.9 | 35 | 0.94 | 3.2 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Wilmington Island to Walgreens | 5084005 | 5084 | 1348.8 | PM | 24.7 | 35 | 0.71 | 13.8 | 7.7 | Signal | B | | B |
| JOHNNY MERCER - WB | Walgreens to Spence Grayson River | 5084006 | 5084 | 2284.8 | AM | 51.1 | 45 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Walgreens to Spence Grayson River | 5084006 | 5084 | 2284.8 | MD | 45.5 | 45 | 1.01 | 0.3 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Walgreens to Spence Grayson River | 5084006 | 5084 | 2284.8 | PM | 47.5 | 45 | 1.06 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------|-------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|-------------------------------|--|
| JOHNNY MERCER - WB | Spence Grayson River to Bryan Woods | 5084007 | 5084 | 3578.7 | AM | 51.4 | 45 | 1.14 | 0.4 | 0.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Spence Grayson River to Bryan Woods | 5084007 | 5084 | 3578.7 | MD | 49.6 | 45 | 1.10 | 1.9 | 0.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Spence Grayson River to Bryan Woods | 5084007 | 5084 | 3578.7 | PM | 46.4 | 45 | 1.03 | 4.1 | 0.0 | Cross Street | A | | A |
| JOHNNY MERCER - WB | Bryan Woods to White Marsh | 5084008 | 5084 | 4421.3 | AM | 47.1 | 45 | 1.05 | 3.6 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Bryan Woods to White Marsh | 5084008 | 5084 | 4421.3 | MD | 46.8 | 45 | 1.04 | 0.5 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | Bryan Woods to White Marsh | 5084008 | 5084 | 4421.3 | PM | 44.6 | 45 | 0.99 | 3.3 | 0.0 | Signal | A | | A |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | AM | 28.8 | 45 | 0.64 | 41.7 | 25.2 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | MD | 40.0 | 45 | 0.89 | 16.9 | 11.0 | Signal | B | | B |
| JOHNNY MERCER - WB | White Marsh to US 80 | 5084009 | 5084 | 4488 | PM | 27.2 | 45 | 0.61 | 44.8 | 30.3 | Signal | D | Canopy - Constrained Corridor | Priority II - Operational, consider WB US 80 Continuous movement |
| WALTHOUR/WILLMINGTON ISLAND- NB | Johnny Mercer to Wilmington Island | 5085001 | 5085 | 1219.7 | AM | 34.1 | 35 | 0.97 | 1.3 | 0.0 | Signal | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Johnny Mercer to Wilmington Island | 5085001 | 5085 | 1219.7 | MD | 48.2 | 35 | 1.38 | 0.0 | 0.0 | Signal | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Johnny Mercer to Wilmington Island | 5085001 | 5085 | 1219.7 | PM | 45.6 | 35 | 1.30 | 0.0 | 0.0 | Signal | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Wilmington Island to Winchester | 5085002 | 5085 | 8190.4 | AM | 36.8 | 35 | 1.05 | 5.3 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Wilmington Island to Winchester | 5085002 | 5085 | 8190.4 | MD | 39.1 | 35 | 1.12 | 1.3 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Wilmington Island to Winchester | 5085002 | 5085 | 8190.4 | PM | 35.8 | 35 | 1.02 | 2.5 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Winchester to East Blvd | 5085003 | 5085 | 9355.4 | AM | 37.9 | 33 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Winchester to East Blvd | 5085003 | 5085 | 9355.4 | MD | 38.3 | 33 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Winchester to East Blvd | 5085003 | 5085 | 9355.4 | PM | 33.9 | 33 | 1.03 | 0.9 | 1.3 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | East Blvd to Stone St | 5085004 | 5085 | 3599.7 | AM | 25.4 | 25 | 1.02 | 0.4 | 1.5 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | East Blvd to Stone St | 5085004 | 5085 | 3599.7 | MD | 23.6 | 25 | 0.94 | 7.8 | 5.0 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- NB | East Blvd to Stone St | 5085004 | 5085 | 3599.7 | PM | 23.3 | 25 | 0.93 | 8.4 | 3.0 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- NB | Stone St to Penn Waller | 5085005 | 5085 | 11905.6 | AM | 36.6 | 35 | 1.05 | 4.9 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Stone St to Penn Waller | 5085005 | 5085 | 11905.6 | MD | 38.5 | 35 | 1.11 | 0.6 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Stone St to Penn Waller | 5085005 | 5085 | 11905.6 | PM | 33.2 | 35 | 0.95 | 19.7 | 0.5 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Penn Waller to Moss | 5085006 | 5085 | 2328.7 | AM | 39.9 | 40 | 1.00 | 2.3 | 0.0 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Penn Waller to Moss | 5085006 | 5085 | 2328.7 | MD | 43.5 | 40 | 1.09 | 0.2 | 0.0 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Penn Waller to Moss | 5085006 | 5085 | 2328.7 | PM | 39.2 | 40 | 0.98 | 1.7 | 0.0 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Moss to Johnny Mercer | 5085007 | 5085 | 7954.9 | AM | 33.2 | 40 | 0.83 | 30.8 | 12.5 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- NB | Moss to Johnny Mercer | 5085007 | 5085 | 7954.9 | MD | 40.1 | 40 | 1.00 | 2.9 | 3.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- NB | Moss to Johnny Mercer | 5085007 | 5085 | 7954.9 | PM | 33.4 | 40 | 0.84 | 27.3 | 9.3 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- SB | Johnny Mercer to Moss | 5086001 | 5086 | 7954.9 | AM | 39.4 | 40 | 0.98 | 2.1 | 0.0 | TWSC | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Johnny Mercer to Moss | 5086001 | 5086 | 7954.9 | MD | 38.1 | 40 | 0.95 | 6.8 | 0.0 | TWSC | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Johnny Mercer to Moss | 5086001 | 5086 | 7954.9 | PM | 38.8 | 40 | 0.97 | 4.8 | 0.0 | TWSC | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Moss to Penn Waller | 5086002 | 5086 | 2328.6 | AM | 43.1 | 40 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Moss to Penn Waller | 5086002 | 5086 | 2328.6 | MD | 43.2 | 40 | 1.08 | 0.1 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------|------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|--|
| WALTHOUR/WILLMINGTON ISLAND- SB | Moss to Penn Waller | 5086002 | 5086 | 2328.6 | PM | 41.2 | 40 | 1.03 | 0.4 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Penn Waller to Stone St | 5086003 | 5086 | 11905.6 | AM | 35.6 | 35 | 1.02 | 6.4 | 0.3 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Penn Waller to Stone St | 5086003 | 5086 | 11905.6 | MD | 36.2 | 35 | 1.04 | 9.6 | 0.0 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Penn Waller to Stone St | 5086003 | 5086 | 11905.6 | PM | 34.3 | 35 | 0.99 | 3.2 | 1.7 | Flashing Yellow | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Stone St to East Blvd | 5086004 | 5086 | 3599.8 | AM | 26.4 | 25 | 1.06 | 0.0 | 2.3 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Stone St to East Blvd | 5086004 | 5086 | 3599.8 | MD | 23.8 | 25 | 0.95 | 4.9 | 5.0 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- SB | Stone St to East Blvd | 5086004 | 5086 | 3599.8 | PM | 22.6 | 25 | 0.90 | 13.7 | 2.3 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- SB | East Blvd to Winchester | 5086005 | 5086 | 9355.4 | AM | 35.9 | 33 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | East Blvd to Winchester | 5086005 | 5086 | 9355.4 | MD | 35.1 | 33 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | East Blvd to Winchester | 5086005 | 5086 | 9355.4 | PM | 32.9 | 33 | 1.00 | 3.9 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Winchester to Wilmington Island | 5086006 | 5086 | 8190.4 | AM | 37.8 | 35 | 1.08 | 3.0 | 1.3 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Winchester to Wilmington Island | 5086006 | 5086 | 8190.4 | MD | 38.3 | 35 | 1.09 | 3.6 | 0.0 | Cross Street | A | | A |
| WALTHOUR/WILLMINGTON ISLAND- SB | Winchester to Wilmington Island | 5086006 | 5086 | 8190.4 | PM | 34.4 | 35 | 0.98 | 7.6 | 0.0 | Cross Street | B | | B |
| WALTHOUR/WILLMINGTON ISLAND- SB | Wilmington Island to Johnny Mercer | 5086007 | 5086 | 1219.7 | AM | 16.7 | 35 | 0.48 | 38.8 | 25.7 | Cross Street | D | Canopy - Constrained Corridor | Constrained Corridor - Optimize Signal, add channelized NB right turn, Access Mgmt with WB cont flow |
| WALTHOUR/WILLMINGTON ISLAND- SB | Wilmington Island to Johnny Mercer | 5086007 | 5086 | 1219.7 | MD | 23.8 | 35 | 0.68 | 12.9 | 5.5 | Cross Street | C | | C |
| WALTHOUR/WILLMINGTON ISLAND- SB | Wilmington Island to Johnny Mercer | 5086007 | 5086 | 1219.7 | PM | 22.3 | 35 | 0.64 | 13.1 | 2.0 | Cross Street | C | | C |
| BRYAN WOODS - EB | Johnny Mercer to US 80 | 5087001 | 5087 | 4918.8 | AM | 28.5 | 45 | 0.63 | 46.0 | 32.0 | Signal | D | Minor Approach at Island Expressway | Cross Street delays expected |
| BRYAN WOODS - EB | Johnny Mercer to US 80 | 5087001 | 5087 | 4918.8 | MD | 32.9 | 45 | 0.73 | 27.9 | 16.0 | Signal | C | | C |
| BRYAN WOODS - EB | Johnny Mercer to US 80 | 5087001 | 5087 | 4918.8 | PM | 37.2 | 45 | 0.83 | 15.6 | 2.3 | Signal | B | | B |
| BRYAN WOODS - WB | US 80 to Johnny Mercer | 5088002 | 5088 | 4918.8 | AM | 40.4 | 45 | 0.90 | 8.8 | 3.2 | Signal | A | | A |
| BRYAN WOODS - WB | US 80 to Johnny Mercer | 5088002 | 5088 | 4918.8 | MD | 36.3 | 45 | 0.81 | 18.4 | 8.5 | Signal | B | | B |
| BRYAN WOODS - WB | US 80 to Johnny Mercer | 5088002 | 5088 | 4918.8 | PM | 36.4 | 45 | 0.81 | 20.4 | 7.7 | Signal | C | | C |
| HODGESON MEMORIAL - NB | Montgomery Cross to Mall Way | 5089002 | 5089 | 2054.7 | AM | 40.4 | 35 | 1.15 | 0.0 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Montgomery Cross to Mall Way | 5089002 | 5089 | 2054.7 | MD | 38.7 | 35 | 1.10 | 0.1 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Montgomery Cross to Mall Way | 5089002 | 5089 | 2054.7 | PM | 38.3 | 35 | 1.10 | 0.0 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Mall Way to Mall Blvd | 5089003 | 5089 | 500.3 | AM | 21.9 | 35 | 0.63 | 14.3 | 10.0 | Signal | B | | B |
| HODGESON MEMORIAL - NB | Mall Way to Mall Blvd | 5089003 | 5089 | 500.3 | MD | 19.4 | 35 | 0.55 | 11.8 | 6.5 | Signal | B | | B |
| HODGESON MEMORIAL - NB | Mall Way to Mall Blvd | 5089003 | 5089 | 500.3 | PM | 8.7 | 35 | 0.25 | 38.2 | 27.7 | Signal | D | Short distance between Mall Way and Mall Blvd | Signal Operations - Coordinate signals between Mall Way and Mall Blvd |
| HODGESON MEMORIAL - NB | Mall Blvd to Eisenhower | 5089004 | 5089 | 2364.9 | AM | 35.0 | 35 | 1.00 | 1.2 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Mall Blvd to Eisenhower | 5089004 | 5089 | 2364.9 | MD | 22.9 | 35 | 0.65 | 40.7 | 33.0 | Signal | D | Delays due to lack of progression on Eisenhower | Improving Eisenhower will improve Hodgson |
| HODGESON MEMORIAL - NB | Mall Blvd to Eisenhower | 5089004 | 5089 | 2364.9 | PM | 30.9 | 35 | 0.88 | 6.0 | 1.5 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Eisenhower to Stephenson | 5089005 | 5089 | 1368.5 | AM | 32.5 | 35 | 0.93 | 2.6 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Eisenhower to Stephenson | 5089005 | 5089 | 1368.5 | MD | 27.1 | 35 | 0.77 | 8.4 | 3.0 | Signal | A | | A |
| HODGESON MEMORIAL - NB | Eisenhower to Stephenson | 5089005 | 5089 | 1368.5 | PM | 32.4 | 35 | 0.93 | 2.4 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | AM | 10.5 | 35 | 0.30 | 66.8 | 43.0 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | MD | 9.4 | 35 | 0.27 | 70.4 | 56.5 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| HODGESON MEMORIAL - SB | Stephenson to Eisenhower | 5090001 | 5090 | 1368.5 | PM | 9.3 | 35 | 0.26 | 77.5 | 61.3 | Signal | E | Currently under construction on Stephenson | Study next CMS |
| HODGESON MEMORIAL - SB | Eisenhower to Mall Blvd | 5090002 | 5090 | 2364.9 | AM | 40.4 | 35 | 1.15 | 0.5 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - SB | Eisenhower to Mall Blvd | 5090002 | 5090 | 2364.9 | MD | 25.8 | 35 | 0.74 | 30.1 | 26.0 | Signal | C | | C |
| HODGESON MEMORIAL - SB | Eisenhower to Mall Blvd | 5090002 | 5090 | 2364.9 | PM | 22.4 | 35 | 0.64 | 33.6 | 23.8 | Signal | C | | C |
| HODGESON MEMORIAL - SB | Mall Blvd to Mall Way | 5090003 | 5090 | 500.3 | AM | 35.8 | 35 | 1.02 | 0.4 | 0.0 | Signal | A | | A |
| HODGESON MEMORIAL - SB | Mall Blvd to Mall Way | 5090003 | 5090 | 500.3 | MD | 24.8 | 35 | 0.71 | 9.9 | 6.5 | Signal | A | | A |
| HODGESON MEMORIAL - SB | Mall Blvd to Mall Way | 5090003 | 5090 | 500.3 | PM | 9.8 | 35 | 0.28 | 28.3 | 16.7 | Signal | C | | C |
| HODGESON MEMORIAL - SB | Mall Way to Montgomery Cross | 5090004 | 5090 | 2054.7 | AM | 24.4 | 35 | 0.70 | 42.4 | 36.0 | Signal | D | Signal Operations, good capacity for all mvmnts | Optimize signal timing at Montgomery |
| HODGESON MEMORIAL - SB | Mall Way to Montgomery Cross | 5090004 | 5090 | 2054.7 | MD | 23.5 | 35 | 0.67 | 19.5 | 16.5 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|------------------------|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|------------------------------|---|
| HODGESON MEMORIAL - SB | Mall Way to Montgomery Cross | 5090004 | 5090 | 2054.7 | PM | 24.9 | 35 | 0.71 | 24.2 | 17.3 | Signal | C | | C |
| STEPHENSON - EB | White Bluff to Abercorn | 5091001 | 5091 | 793.1 | AM | 18.4 | 30 | 0.61 | 15.0 | 10.3 | Signal | B | | B |
| STEPHENSON - EB | White Bluff to Abercorn | 5091001 | 5091 | 793.1 | MD | 18.6 | 30 | 0.62 | 61.2 | 5.5 | Signal | E | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - EB | White Bluff to Abercorn | 5091001 | 5091 | 793.1 | PM | 6.2 | 30 | 0.21 | 70.3 | 55.8 | Signal | E | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - EB | Abercorn to Habersham | 5091002 | 5091 | 702.3 | AM | 30.0 | 30 | 1.00 | 1.1 | 0.0 | Signal | A | | A |
| STEPHENSON - EB | Abercorn to Habersham | 5091002 | 5091 | 702.3 | MD | 25.5 | 30 | 0.85 | 2.8 | 0.0 | Signal | A | | A |
| STEPHENSON - EB | Abercorn to Habersham | 5091002 | 5091 | 702.3 | PM | 20.8 | 30 | 0.69 | 9.1 | 1.3 | Signal | A | | A |
| STEPHENSON - EB | Habersham to Hodgeson Memorial | 5091003 | 5091 | 1012.3 | AM | 13.1 | 25 | 0.52 | 29.9 | 26.0 | Signal | C | | C |
| STEPHENSON - EB | Habersham to Hodgeson Memorial | 5091003 | 5091 | 1012.3 | MD | 19.3 | 25 | 0.77 | 8.6 | 5.5 | Signal | A | | A |
| STEPHENSON - EB | Habersham to Hodgeson Memorial | 5091003 | 5091 | 1012.3 | PM | 17.2 | 25 | 0.69 | 13.0 | 2.0 | Signal | B | | B |
| STEPHENSON - EB | Hodgeson Memorial to Waters | 5091004 | 5091 | 2682.4 | AM | 22.9 | 25 | 0.92 | 15.6 | 23.0 | Signal | B | | B |
| STEPHENSON - EB | Hodgeson Memorial to Waters | 5091004 | 5091 | 2682.4 | MD | 16.5 | 25 | 0.66 | 36.9 | 38.0 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - EB | Hodgeson Memorial to Waters | 5091004 | 5091 | 2682.4 | PM | 21.7 | 25 | 0.87 | 20.8 | 16.0 | Signal | C | | C |
| STEPHENSON - WB | Waters to Hodgeson Memorial | 5092002 | 5092 | 2682.3 | AM | 20.3 | 25 | 0.81 | 16.8 | 22.0 | Signal | B | | B |
| STEPHENSON - WB | Waters to Hodgeson Memorial | 5092002 | 5092 | 2682.3 | MD | 23.8 | 25 | 0.95 | 14.0 | 13.5 | Signal | B | | B |
| STEPHENSON - WB | Waters to Hodgeson Memorial | 5092002 | 5092 | 2682.3 | PM | 24.8 | 25 | 0.99 | 0.7 | 1.0 | Signal | A | | A |
| STEPHENSON - WB | Hodgeson Memorial to Habersham | 5092003 | 5092 | 1012.3 | AM | 18.3 | 25 | 0.73 | 22.0 | 15.0 | Signal | C | | C |
| STEPHENSON - WB | Hodgeson Memorial to Habersham | 5092003 | 5092 | 1012.3 | MD | 12.6 | 25 | 0.51 | 31.9 | 27.5 | Signal | C | | C |
| STEPHENSON - WB | Hodgeson Memorial to Habersham | 5092003 | 5092 | 1012.3 | PM | 10.6 | 25 | 0.43 | 43.8 | 26.8 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Habersham to Abercorn | 5092004 | 5092 | 702.3 | AM | 5.4 | 30 | 0.18 | 99.6 | 78.0 | Signal | F | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Habersham to Abercorn | 5092004 | 5092 | 702.3 | MD | 9.9 | 30 | 0.33 | 47.3 | 31.0 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Habersham to Abercorn | 5092004 | 5092 | 702.3 | PM | 10.8 | 30 | 0.36 | 44.2 | 32.3 | Signal | D | Currently under construction | Study next CMS, Optimize intersection with recent construction on east leg |
| STEPHENSON - WB | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | AM | 9.5 | 30 | 0.32 | 49.5 | 37.3 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| STEPHENSON - WB | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | MD | 10.5 | 30 | 0.35 | 35.8 | 27.5 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| STEPHENSON - WB | Abercorn to White Bluff | 5092005 | 5092 | 793.1 | PM | 12.6 | 30 | 0.42 | 52.5 | 41.0 | Signal | D | Consistent WB Delays | Consider widening WB approach to allow 2 through lanes |
| HABERSHAM - NB | Stephenson to Johnston | 5093001 | 5093 | 3189.1 | AM | 33.5 | 32 | 1.05 | 2.6 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | Stephenson to Johnston | 5093001 | 5093 | 3189.1 | MD | 35.6 | 35 | 1.02 | 0.0 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | Stephenson to Johnston | 5093001 | 5093 | 3189.1 | PM | 30.4 | 35 | 0.87 | 10.3 | 0.0 | Signal | B | | B |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | AM | 13.8 | 35 | 0.39 | 82.6 | 67.7 | Cross Street | E | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | MD | 19.2 | 35 | 0.55 | 49.2 | 40.5 | Cross Street | C | | C |
| HABERSHAM - NB | Johnston to DeRenne | 5093002 | 5093 | 2430.1 | PM | 7.6 | 35 | 0.22 | 176.3 | 106.7 | Cross Street | F | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - NB | DeRenne to 63rd St | 5093003 | 5093 | 2741.8 | AM | 33.9 | 35 | 0.97 | 3.8 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | DeRenne to 63rd St | 5093003 | 5093 | 2741.8 | MD | 30.9 | 35 | 0.88 | 7.2 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | DeRenne to 63rd St | 5093003 | 5093 | 2741.8 | PM | 26.6 | 35 | 0.76 | 17.2 | 0.0 | Signal | B | | B |
| HABERSHAM - NB | 63rd St to Columbus | 5093004 | 5093 | 1501.2 | AM | 22.9 | 30 | 0.76 | 10.4 | 5.7 | Signal | B | | B |
| HABERSHAM - NB | 63rd St to Columbus | 5093004 | 5093 | 1501.2 | MD | 25.2 | 30 | 0.84 | 6.4 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | 63rd St to Columbus | 5093004 | 5093 | 1501.2 | PM | 17.9 | 30 | 0.60 | 23.0 | 0.3 | Signal | C | | C |
| HABERSHAM - NB | Columbus to Washington | 5093005 | 5093 | 3618.9 | AM | 34.7 | 29 | 1.20 | 0.0 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | Columbus to Washington | 5093005 | 5093 | 3618.9 | MD | 28.6 | 30 | 0.95 | 4.1 | 5.5 | Signal | A | | A |
| HABERSHAM - NB | Columbus to Washington | 5093005 | 5093 | 3618.9 | PM | 27.4 | 30 | 0.91 | 10.4 | 6.0 | Signal | B | | B |
| HABERSHAM - NB | Washington to Victory | 5093006 | 5093 | 1197.4 | AM | 19.1 | 28 | 0.68 | 21.1 | 15.3 | Signal | C | | C |
| HABERSHAM - NB | Washington to Victory | 5093006 | 5093 | 1197.4 | MD | 24.5 | 30 | 0.82 | 6.2 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | Washington to Victory | 5093006 | 5093 | 1197.4 | PM | 26.0 | 30 | 0.87 | 4.2 | 0.0 | Signal | A | | A |
| HABERSHAM - NB | Victory to 37th St | 5093007 | 5093 | 1712.5 | AM | 19.4 | 30 | 0.65 | 23.6 | 17.0 | Signal | C | | C |
| HABERSHAM - NB | Victory to 37th St | 5093007 | 5093 | 1712.5 | MD | 19.7 | 30 | 0.66 | 23.6 | 10.5 | Signal | C | | C |
| HABERSHAM - NB | Victory to 37th St | 5093007 | 5093 | 1712.5 | PM | 15.2 | 30 | 0.51 | 40.4 | 25.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|-----------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|--|---|
| HABERSHAM - SB | 37th St to Victory | 5094002 | 5094 | 1712.4 | AM | 25.6 | 30 | 0.85 | 8.8 | 3.3 | Signal | A | | A |
| HABERSHAM - SB | 37th St to Victory | 5094002 | 5094 | 1712.4 | MD | 24.3 | 30 | 0.81 | 10.8 | 6.3 | Signal | B | | B |
| HABERSHAM - SB | 37th St to Victory | 5094002 | 5094 | 1712.4 | PM | 26.0 | 30 | 0.87 | 11.0 | 2.3 | Signal | B | | B |
| HABERSHAM - SB | Victory to Washington | 5094003 | 5094 | 1197.5 | AM | 27.9 | 30 | 0.93 | 5.1 | 1.0 | Signal | A | | A |
| HABERSHAM - SB | Victory to Washington | 5094003 | 5094 | 1197.5 | MD | 20.3 | 30 | 0.68 | 13.4 | 5.3 | Signal | B | | B |
| HABERSHAM - SB | Victory to Washington | 5094003 | 5094 | 1197.5 | PM | 18.3 | 30 | 0.61 | 21.0 | 9.7 | Signal | C | | C |
| HABERSHAM - SB | Washington to Columbus | 5094004 | 5094 | 3618.9 | AM | 31.3 | 30 | 1.04 | 0.8 | 0.0 | Signal | A | | A |
| HABERSHAM - SB | Washington to Columbus | 5094004 | 5094 | 3618.9 | MD | 36.7 | 30 | 1.22 | 0.0 | 0.0 | Signal | A | | A |
| HABERSHAM - SB | Washington to Columbus | 5094004 | 5094 | 3618.9 | PM | 26.8 | 30 | 0.89 | 9.8 | 1.3 | Signal | A | | A |
| HABERSHAM - SB | Columbus to 63rd St | 5094005 | 5094 | 1501.2 | AM | 23.4 | 30 | 0.78 | 13.7 | 6.3 | Signal | B | | B |
| HABERSHAM - SB | Columbus to 63rd St | 5094005 | 5094 | 1501.2 | MD | 25.4 | 30 | 0.85 | 10.1 | 3.3 | Signal | B | | B |
| HABERSHAM - SB | Columbus to 63rd St | 5094005 | 5094 | 1501.2 | PM | 20.5 | 30 | 0.68 | 15.4 | 0.0 | Signal | B | | B |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | AM | 16.3 | 35 | 0.46 | 66.4 | 43.3 | Signal | E | Minor Approach at SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | MD | 22.9 | 35 | 0.65 | 50.1 | 43.0 | Signal | D | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - SB | 63rd St to DeRenne | 5094006 | 5094 | 2741.8 | PM | 21.1 | 35 | 0.60 | 35.0 | 14.0 | Signal | D | Minor Approach to SH 21 | Cross Street Delay Expected, Study further in E-W study for improving DeRenne |
| HABERSHAM - SB | DeRenne to Johnston | 5094007 | 5094 | 2430.1 | AM | 31.6 | 35 | 0.90 | 6.5 | 0.0 | Signal | A | | A |
| HABERSHAM - SB | DeRenne to Johnston | 5094007 | 5094 | 2430.1 | MD | 30.9 | 35 | 0.88 | 6.3 | 0.0 | Signal | A | | A |
| HABERSHAM - SB | DeRenne to Johnston | 5094007 | 5094 | 2430.1 | PM | 21.8 | 35 | 0.62 | 31.9 | 2.3 | Signal | C | | C |
| HABERSHAM - SB | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | AM | 17.5 | 35 | 0.50 | 66.7 | 44.3 | Cross Street | D | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| HABERSHAM - SB | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | MD | 26.7 | 35 | 0.76 | 23.1 | 13.0 | Cross Street | B | | B |
| HABERSHAM - SB | Johnston to Stephenson | 5094008 | 5094 | 3189.1 | PM | 7.9 | 35 | 0.23 | 241.3 | 126.0 | Cross Street | F | Currently under construction on Stephenson | Stephenson widening will help Habersham |
| BONNY BRIDGE - EB | SH 21 to SH 25 | 5095001 | 5095 | 4947.8 | AM | 31.4 | 40 | 0.79 | 23.9 | 8.3 | Signal | C | | C |
| BONNY BRIDGE - EB | SH 21 to SH 25 | 5095001 | 5095 | 4947.8 | MD | 36.1 | 40 | 0.91 | 8.8 | 4.5 | Signal | A | | A |
| BONNY BRIDGE - EB | SH 21 to SH 25 | 5095001 | 5095 | 4947.8 | PM | 32.9 | 40 | 0.83 | 19.5 | 10.6 | Signal | B | | B |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | AM | 28.2 | 40 | 0.71 | 46.4 | 35.3 | Signal | D | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | MD | 29.4 | 40 | 0.74 | 34.8 | 17.7 | Signal | C | | C |
| BONNY BRIDGE - WB | SH 25 to SH 21 | 5096002 | 5096 | 4947.8 | PM | 21.9 | 40 | 0.55 | 74.3 | 47.8 | Signal | E | Delays at SH 21, Minor approach | Delays expected at minor appr to SH 21, Optimize Signal |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | US 80 to Benton | 5097001 | 5097 | 9827.6 | AM | 50.2 | 47 | 1.07 | 0.0 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | US 80 to Benton | 5097001 | 5097 | 9827.6 | MD | 48.9 | 47 | 1.05 | 0.2 | 0.4 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | US 80 to Benton | 5097001 | 5097 | 9827.6 | PM | 51.2 | 47 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Benton to Mill Creek Circle | 5097002 | 5097 | 707.8 | AM | 33.8 | 45 | 0.75 | 4.8 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Benton to Mill Creek Circle | 5097002 | 5097 | 707.8 | MD | 31.5 | 45 | 0.70 | 7.6 | 3.6 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Benton to Mill Creek Circle | 5097002 | 5097 | 707.8 | PM | 44.7 | 45 | 0.99 | 1.5 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Mill Creek Circle to I-95 SB Ramp | 5097003 | 5097 | 681.1 | AM | 40.3 | 45 | 0.90 | 1.7 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Mill Creek Circle to I-95 SB Ramp | 5097003 | 5097 | 681.1 | MD | 39.8 | 45 | 0.88 | 2.0 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Mill Creek Circle to I-95 SB Ramp | 5097003 | 5097 | 681.1 | PM | 42.4 | 45 | 0.94 | 1.7 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 SB Ramp to I-95 NB Ramp | 5097004 | 5097 | 969.2 | AM | 47.4 | 45 | 1.05 | 0.1 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 SB Ramp to I-95 NB Ramp | 5097004 | 5097 | 969.2 | MD | 45.3 | 45 | 1.01 | 0.8 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 SB Ramp to I-95 NB Ramp | 5097004 | 5097 | 969.2 | PM | 46.1 | 45 | 1.02 | 0.4 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 NB Ramp to McKenna | 5097005 | 5097 | 4223.3 | AM | 48.8 | 45 | 1.08 | 0.7 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 NB Ramp to McKenna | 5097005 | 5097 | 4223.3 | MD | 49.3 | 45 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | I-95 NB Ramp to McKenna | 5097005 | 5097 | 4223.3 | PM | 44.8 | 45 | 1.00 | 3.0 | 0.9 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Airways | 5097006 | 5097 | 1951.7 | AM | 38.8 | 45 | 0.86 | 4.9 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Airways | 5097006 | 5097 | 1951.7 | MD | 42.2 | 45 | 0.94 | 2.6 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Airways | 5097006 | 5097 | 1951.7 | PM | 41.1 | 45 | 0.91 | 3.0 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Airways to McKenna | 5097007 | 5097 | 809.7 | AM | 19.3 | 45 | 0.43 | 16.0 | 0.4 | TWSC | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|------------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|----------------------|
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Airways to McKenna | 5097007 | 5097 | 809.7 | MD | 20.8 | 45 | 0.46 | 13.2 | 0.2 | TWSC | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Airways to McKenna | 5097007 | 5097 | 809.7 | PM | 17.6 | 45 | 0.39 | 18.3 | 3.2 | TWSC | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Patrick Graham Terminal | 5097008 | 5097 | 1642.8 | AM | 34.8 | 45 | 0.77 | 7.4 | 0.7 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Patrick Graham Terminal | 5097008 | 5097 | 1642.8 | MD | 35.0 | 45 | 0.78 | 7.4 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | McKenna to Patrick Graham Terminal | 5097008 | 5097 | 1642.8 | PM | 37.5 | 45 | 0.83 | 6.1 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Patrick Graham Terminal to SH 21 | 5097009 | 5097 | 12131.6 | AM | 31.0 | 40 | 0.79 | 58.5 | 45.8 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Patrick Graham Terminal to SH 21 | 5097009 | 5097 | 12131.6 | MD | 26.4 | 40 | 0.67 | 119.8 | 90.8 | Cross Street | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | Patrick Graham Terminal to SH 21 | 5097009 | 5097 | 12131.6 | PM | 21.0 | 40 | 0.53 | 224.0 | 120.0 | Cross Street | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | SH 21 to SH 25 | 5097010 | 5097 | 4673.4 | AM | 29.6 | 41 | 0.72 | 30.9 | 12.7 | Signal | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | SH 21 to SH 25 | 5097010 | 5097 | 4673.4 | MD | 26.6 | 41 | 0.65 | 42.9 | 17.8 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - EB | SH 21 to SH 25 | 5097010 | 5097 | 4673.4 | PM | 26.6 | 41 | 0.65 | 42.3 | 13.0 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | AM | 20.9 | 41 | 0.51 | 78.8 | 48.3 | Signal | E | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | MD | 21.1 | 41 | 0.51 | 80.3 | 49.0 | Signal | F | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 25 to SH 21 | 5098002 | 5098 | 4673.4 | PM | 26.5 | 41 | 0.65 | 54.8 | 33.6 | Signal | D | Currently detour due to construction on SR 25 | Study next CMS |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 21 to Patrick Graham Terminal | 5098003 | 5098 | 12131.6 | AM | 35.1 | 40 | 0.89 | 27.9 | 4.7 | Signal | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 21 to Patrick Graham Terminal | 5098003 | 5098 | 12131.6 | MD | 38.5 | 40 | 0.97 | 11.9 | 0.0 | Signal | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | SH 21 to Patrick Graham Terminal | 5098003 | 5098 | 12131.6 | PM | 40.8 | 40 | 1.03 | 1.1 | 0.6 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Patrick Graham Terminal to McKenna | 5098004 | 5098 | 1642.8 | AM | 33.9 | 45 | 0.75 | 10.0 | 2.7 | Cross Street | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Patrick Graham Terminal to McKenna | 5098004 | 5098 | 1642.8 | MD | 37.0 | 45 | 0.82 | 5.5 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Patrick Graham Terminal to McKenna | 5098004 | 5098 | 1642.8 | PM | 41.3 | 45 | 0.92 | 2.7 | 0.0 | Cross Street | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to McKenna | 5098005 | 5098 | 2525.8 | AM | 31.2 | 45 | 0.69 | 16.8 | 2.3 | Cross Street | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to McKenna | 5098005 | 5098 | 2525.8 | MD | 32.4 | 45 | 0.72 | 15.5 | 2.3 | Cross Street | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to McKenna | 5098005 | 5098 | 2525.8 | PM | 33.9 | 45 | 0.75 | 12.9 | 1.3 | Cross Street | C | | C |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to I-95 NB Ramp | 5098006 | 5098 | 4182.7 | AM | 47.2 | 45 | 1.05 | 0.3 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to I-95 NB Ramp | 5098006 | 5098 | 4182.7 | MD | 46.3 | 45 | 1.03 | 0.7 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | McKenna to I-95 NB Ramp | 5098006 | 5098 | 4182.7 | PM | 44.8 | 45 | 0.99 | 1.4 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 NB Ramp to I-95 SB Ramp | 5098007 | 5098 | 969.1 | AM | 47.9 | 45 | 1.06 | 0.5 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 NB Ramp to I-95 SB Ramp | 5098007 | 5098 | 969.1 | MD | 45.5 | 45 | 1.01 | 0.1 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 NB Ramp to I-95 SB Ramp | 5098007 | 5098 | 969.1 | PM | 45.7 | 45 | 1.01 | 1.1 | 0.0 | Cross Street | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 SB Ramp to Mill Creek Circle | 5098008 | 5098 | 681.1 | AM | 46.6 | 45 | 1.04 | 0.0 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 SB Ramp to Mill Creek Circle | 5098008 | 5098 | 681.1 | MD | 35.3 | 45 | 0.78 | 5.3 | 2.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | I-95 SB Ramp to Mill Creek Circle | 5098008 | 5098 | 681.1 | PM | 36.6 | 45 | 0.81 | 3.3 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Mill Creek Circle to Benton | 5098009 | 5098 | 707.8 | AM | 37.2 | 45 | 0.83 | 2.7 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Mill Creek Circle to Benton | 5098009 | 5098 | 707.8 | MD | 32.9 | 45 | 0.73 | 6.0 | 1.6 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Mill Creek Circle to Benton | 5098009 | 5098 | 707.8 | PM | 36.7 | 45 | 0.81 | 2.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------------------------|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Benton to US 80 | 5098010 | 5098 | 9827.6 | AM | 49.9 | 47 | 1.07 | 0.0 | 0.0 | Signal | A | | A |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Benton to US 80 | 5098010 | 5098 | 9827.6 | MD | 46.5 | 47 | 0.99 | 11.0 | 8.8 | Signal | B | | B |
| GULFSTREAM/CROSSGATE/IDA/AIRWAYS - WB | Benton to US 80 | 5098010 | 5098 | 9827.6 | PM | 40.7 | 47 | 0.87 | 21.8 | 20.5 | Signal | C | | C |
| I 95 - NB | Bryan County Line to SH 204 | 5101002 | 5101 | 11234.5 | AM | 72.8 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Bryan County Line to SH 204 | 5101002 | 5101 | 11234.5 | MD | 75.8 | 65 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Bryan County Line to SH 204 | 5101002 | 5101 | 11234.5 | PM | 71.6 | 65 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | SH 204 to Little Neck Rd | 5101003 | 5101 | 9568.2 | AM | 75.5 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | SH 204 to Little Neck Rd | 5101003 | 5101 | 9568.2 | MD | 75.1 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | SH 204 to Little Neck Rd | 5101003 | 5101 | 9568.2 | PM | 73.3 | 65 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Little Neck Rd to Quacco | 5101004 | 5101 | 5823.8 | AM | 78.2 | 65 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Little Neck Rd to Quacco | 5101004 | 5101 | 5823.8 | MD | 75.4 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Little Neck Rd to Quacco | 5101004 | 5101 | 5823.8 | PM | 71.1 | 65 | 1.09 | 0.8 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Quacco to I-16 | 5101005 | 5101 | 12530.8 | AM | 76.4 | 65 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Quacco to I-16 | 5101005 | 5101 | 12530.8 | MD | 71.9 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Quacco to I-16 | 5101005 | 5101 | 12530.8 | PM | 73.6 | 65 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | I-16 to US 80 | 5101006 | 5101 | 14514.3 | AM | 74.5 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | I-16 to US 80 | 5101006 | 5101 | 14514.3 | MD | 71.5 | 65 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | I-16 to US 80 | 5101006 | 5101 | 14514.3 | PM | 70.6 | 65 | 1.09 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | US 80 to Pooler Pkwy | 5101007 | 5101 | 10424.7 | AM | 74.4 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | US 80 to Pooler Pkwy | 5101007 | 5101 | 10424.7 | MD | 70.3 | 65 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | US 80 to Pooler Pkwy | 5101007 | 5101 | 10424.7 | PM | 71.2 | 65 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Pooler Pkwy to Jimmy Deloach | 5101008 | 5101 | 12883.1 | AM | 75.8 | 65 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Pooler Pkwy to Jimmy Deloach | 5101008 | 5101 | 12883.1 | MD | 72.7 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Pooler Pkwy to Jimmy Deloach | 5101008 | 5101 | 12883.1 | PM | 71.9 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Jimmy Deloach to City Limit | 5101009 | 5101 | 3079.4 | AM | 73.6 | 65 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Jimmy Deloach to City Limit | 5101009 | 5101 | 3079.4 | MD | 70.4 | 65 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Jimmy Deloach to City Limit | 5101009 | 5101 | 3079.4 | PM | 69.9 | 65 | 1.07 | 0.4 | 0.0 | Cross Street | A | | A |
| I 95 - NB | City Limit to Meinhard / Henry | 5101010 | 5101 | 3149 | AM | 70.7 | 65 | 1.09 | 0.0 | 0.0 | City Limit | A | | A |
| I 95 - NB | City Limit to Meinhard / Henry | 5101010 | 5101 | 3149 | MD | 66.5 | 65 | 1.02 | 0.6 | 0.0 | City Limit | A | | A |
| I 95 - NB | City Limit to Meinhard / Henry | 5101010 | 5101 | 3149 | PM | 67.0 | 65 | 1.03 | 0.4 | 0.0 | City Limit | A | | A |
| I 95 - NB | Meinhard / Henry to SH 21 | 5101011 | 5101 | 4910.3 | AM | 75.3 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Meinhard / Henry to SH 21 | 5101011 | 5101 | 4910.3 | MD | 69.7 | 65 | 1.07 | 0.3 | 0.0 | Cross Street | A | | A |
| I 95 - NB | Meinhard / Henry to SH 21 | 5101011 | 5101 | 4910.3 | PM | 48.8 | 65 | 0.75 | 56.0 | 32.0 | Cross Street | A | | A |
| I 95 - SB | SH 21 to Meinhard / Henry | 5102002 | 5102 | 4910.3 | AM | 75.8 | 65 | 1.17 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | SH 21 to Meinhard / Henry | 5102002 | 5102 | 4910.3 | MD | 78.7 | 65 | 1.21 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | SH 21 to Meinhard / Henry | 5102002 | 5102 | 4910.3 | PM | 71.3 | 65 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Meinhard / Henry to City Limit | 5102003 | 5102 | 3149 | AM | 72.4 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Meinhard / Henry to City Limit | 5102003 | 5102 | 3149 | MD | 74.3 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Meinhard / Henry to City Limit | 5102003 | 5102 | 3149 | PM | 70.4 | 65 | 1.08 | 0.4 | 0.0 | Cross Street | A | | A |
| I 95 - SB | City Limit to Jimmy Deloach | 5102004 | 5102 | 3079.4 | AM | 78.4 | 65 | 1.21 | 0.0 | 0.0 | City Limit | A | | A |
| I 95 - SB | City Limit to Jimmy Deloach | 5102004 | 5102 | 3079.4 | MD | 76.9 | 65 | 1.18 | 0.0 | 0.0 | City Limit | A | | A |
| I 95 - SB | City Limit to Jimmy Deloach | 5102004 | 5102 | 3079.4 | PM | 71.7 | 65 | 1.10 | 0.0 | 0.0 | City Limit | A | | A |
| I 95 - SB | Jimmy Deloach to Pooler Pkwy | 5102005 | 5102 | 12883.1 | AM | 75.7 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Jimmy Deloach to Pooler Pkwy | 5102005 | 5102 | 12883.1 | MD | 76.6 | 65 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Jimmy Deloach to Pooler Pkwy | 5102005 | 5102 | 12883.1 | PM | 72.7 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Pooler Pkwy to US 80 | 5102006 | 5102 | 10424.7 | AM | 73.3 | 65 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Pooler Pkwy to US 80 | 5102006 | 5102 | 10424.7 | MD | 74.5 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Pooler Pkwy to US 80 | 5102006 | 5102 | 10424.7 | PM | 74.7 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | US 80 to I-16 | 5102007 | 5102 | 14514.4 | AM | 74.9 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | US 80 to I-16 | 5102007 | 5102 | 14514.4 | MD | 75.3 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | US 80 to I-16 | 5102007 | 5102 | 14514.4 | PM | 72.8 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | I-16 to Quacco | 5102008 | 5102 | 12530.7 | AM | 73.9 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---------------------------------|--|
| I 95 - SB | I-16 to Quacco | 5102008 | 5102 | 12530.7 | MD | 77.7 | 65 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | I-16 to Quacco | 5102008 | 5102 | 12530.7 | PM | 74.3 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Quacco to Little Neck Rd | 5102009 | 5102 | 5823.8 | AM | 74.9 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Quacco to Little Neck Rd | 5102009 | 5102 | 5823.8 | MD | 78.1 | 65 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Quacco to Little Neck Rd | 5102009 | 5102 | 5823.8 | PM | 74.7 | 65 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Little Neck Rd to SH 204 | 5102010 | 5102 | 9568.2 | AM | 75.1 | 65 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Little Neck Rd to SH 204 | 5102010 | 5102 | 9568.2 | MD | 76.5 | 65 | 1.18 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | Little Neck Rd to SH 204 | 5102010 | 5102 | 9568.2 | PM | 74.4 | 65 | 1.14 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | SH 204 to Bryan County Line | 5102011 | 5102 | 11234.5 | AM | 72.7 | 65 | 1.12 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | SH 204 to Bryan County Line | 5102011 | 5102 | 11234.5 | MD | 72.1 | 65 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| I 95 - SB | SH 204 to Bryan County Line | 5102011 | 5102 | 11234.5 | PM | 73.7 | 65 | 1.13 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | Walhour to The Oaks | 5103001 | 5103 | 1175.7 | AM | 33.8 | 35 | 0.96 | 1.3 | 0.0 | Signal | A | | A |
| PENN WALLER - NB | Walhour to The Oaks | 5103001 | 5103 | 1175.7 | MD | 33.2 | 35 | 0.95 | 1.2 | 0.0 | Signal | A | | A |
| PENN WALLER - NB | Walhour to The Oaks | 5103001 | 5103 | 1175.7 | PM | 32.8 | 35 | 0.94 | 1.5 | 0.0 | Signal | A | | A |
| PENN WALLER - NB | The Oaks to Olde Towne | 5103002 | 5103 | 822.1 | AM | 42.6 | 35 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | The Oaks to Olde Towne | 5103002 | 5103 | 822.1 | MD | 43.3 | 35 | 1.24 | 0.4 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | The Oaks to Olde Towne | 5103002 | 5103 | 822.1 | PM | 39.2 | 35 | 1.12 | 0.3 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | Olde Towne to Wassaw | 5103003 | 5103 | 3542.4 | AM | 31.6 | 31 | 1.02 | 3.6 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | Olde Towne to Wassaw | 5103003 | 5103 | 3542.4 | MD | 41.5 | 35 | 1.19 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | Olde Towne to Wassaw | 5103003 | 5103 | 3542.4 | PM | 40.4 | 35 | 1.15 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - NB | Wassaw to Johnny Mercer | 5103004 | 5103 | 1115.9 | AM | 27.8 | 35 | 0.79 | 5.7 | 0.0 | Cross Street | B | | B |
| PENN WALLER - NB | Wassaw to Johnny Mercer | 5103004 | 5103 | 1115.9 | MD | 23.6 | 35 | 0.68 | 13.0 | 7.0 | Cross Street | C | | C |
| PENN WALLER - NB | Wassaw to Johnny Mercer | 5103004 | 5103 | 1115.9 | PM | 14.9 | 35 | 0.43 | 33.4 | 22.3 | Cross Street | D | Minor Approach to Johnny Mercer | Side street delays are expected |
| PENN WALLER - SB | Johnny Mercer to Wassaw | 5104001 | 5104 | 1115.9 | AM | 30.4 | 35 | 0.87 | 4.4 | 0.0 | Signal | A | | A |
| PENN WALLER - SB | Johnny Mercer to Wassaw | 5104001 | 5104 | 1115.9 | MD | 21.4 | 35 | 0.61 | 28.2 | 0.0 | Signal | C | | C |
| PENN WALLER - SB | Johnny Mercer to Wassaw | 5104001 | 5104 | 1115.9 | PM | 29.6 | 35 | 0.85 | 3.9 | 0.0 | Signal | A | | A |
| PENN WALLER - SB | Wassaw to Olde Towne | 5104002 | 5104 | 3542.4 | AM | 41.9 | 35 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | Wassaw to Olde Towne | 5104002 | 5104 | 3542.4 | MD | 42.2 | 35 | 1.20 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | Wassaw to Olde Towne | 5104002 | 5104 | 3542.4 | PM | 37.9 | 35 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | Olde Towne to The Oaks | 5104003 | 5104 | 822.1 | AM | 46.2 | 35 | 1.32 | 0.4 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | Olde Towne to The Oaks | 5104003 | 5104 | 822.1 | MD | 42.8 | 35 | 1.22 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | Olde Towne to The Oaks | 5104003 | 5104 | 822.1 | PM | 43.1 | 35 | 1.23 | 0.0 | 0.0 | Cross Street | A | | A |
| PENN WALLER - SB | The Oaks to Walhour | 5104004 | 5104 | 1175.7 | AM | 32.1 | 35 | 0.92 | 2.7 | 0.7 | Cross Street | A | | A |
| PENN WALLER - SB | The Oaks to Walhour | 5104004 | 5104 | 1175.7 | MD | 25.1 | 35 | 0.72 | 9.6 | 3.0 | Cross Street | B | | B |
| PENN WALLER - SB | The Oaks to Walhour | 5104004 | 5104 | 1175.7 | PM | 27.8 | 35 | 0.79 | 5.9 | 1.0 | Cross Street | B | | B |
| HARMON - NB | Victory to 39th St | 5105002 | 5105 | 1056.7 | AM | 23.6 | 25 | 0.94 | 1.9 | 1.3 | TWSC | A | | A |
| HARMON - NB | Victory to 39th St | 5105002 | 5105 | 1056.7 | MD | 23.1 | 25 | 0.93 | 2.9 | 1.0 | TWSC | A | | A |
| HARMON - NB | Victory to 39th St | 5105002 | 5105 | 1056.7 | PM | 17.4 | 25 | 0.70 | 12.9 | 6.0 | TWSC | B | | B |
| HARMON - NB | 39th St to 37th St | 5105003 | 5105 | 658.7 | AM | 15.5 | 25 | 0.62 | 11.2 | 6.8 | AWSC | B | | B |
| HARMON - NB | 39th St to 37th St | 5105003 | 5105 | 658.7 | MD | 15.6 | 25 | 0.62 | 12.1 | 8.3 | AWSC | B | | B |
| HARMON - NB | 39th St to 37th St | 5105003 | 5105 | 658.7 | PM | 13.1 | 25 | 0.52 | 18.5 | 12.7 | AWSC | C | | C |
| HARMON - NB | 37th St to Anderson | 5105004 | 5105 | 1999.1 | AM | 21.1 | 25 | 0.85 | 11.4 | 18.0 | Signal | B | | B |
| HARMON - NB | 37th St to Anderson | 5105004 | 5105 | 1999.1 | MD | 21.8 | 25 | 0.87 | 10.5 | 13.3 | Signal | B | | B |
| HARMON - NB | 37th St to Anderson | 5105004 | 5105 | 1999.1 | PM | 14.9 | 25 | 0.59 | 37.9 | 33.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| HARMON - NB | Anderson to Henry | 5105005 | 5105 | 321.2 | AM | 9.0 | 25 | 0.36 | 16.0 | 10.0 | Signal | B | | B |
| HARMON - NB | Anderson to Henry | 5105005 | 5105 | 321.2 | MD | 8.5 | 25 | 0.34 | 24.4 | 13.8 | Signal | C | | C |
| HARMON - NB | Anderson to Henry | 5105005 | 5105 | 321.2 | PM | 8.2 | 25 | 0.33 | 18.2 | 14.0 | Signal | B | | B |
| HARMON - NB | Henry to Gwinnett | 5105006 | 5105 | 1564.1 | AM | 26.0 | 25 | 1.04 | 0.8 | 1.5 | Signal | A | | A |
| HARMON - NB | Henry to Gwinnett | 5105006 | 5105 | 1564.1 | MD | 24.7 | 25 | 0.99 | 8.0 | 2.5 | Signal | A | | A |
| HARMON - NB | Henry to Gwinnett | 5105006 | 5105 | 1564.1 | PM | 23.1 | 25 | 0.92 | 6.2 | 8.0 | Signal | A | | A |
| HARMON - NB | Gwinnett to Wheaton | 5105007 | 5105 | 1513.6 | AM | 22.4 | 25 | 0.90 | 8.5 | 7.8 | TWSC | A | | A |
| HARMON - NB | Gwinnett to Wheaton | 5105007 | 5105 | 1513.6 | MD | 21.0 | 25 | 0.84 | 11.0 | 12.0 | TWSC | B | | B |
| HARMON - NB | Gwinnett to Wheaton | 5105007 | 5105 | 1513.6 | PM | 17.8 | 25 | 0.71 | 18.5 | 15.0 | TWSC | C | | C |
| HARMON - SB | Wheaton to Gwinnett | 5106002 | 5106 | 1513.6 | AM | 24.4 | 25 | 0.98 | 1.8 | 3.0 | TWSC | A | | A |
| HARMON - SB | Wheaton to Gwinnett | 5106002 | 5106 | 1513.6 | MD | 22.7 | 25 | 0.91 | 8.4 | 7.3 | TWSC | A | | A |
| HARMON - SB | Wheaton to Gwinnett | 5106002 | 5106 | 1513.6 | PM | 16.3 | 25 | 0.65 | 22.7 | 12.0 | TWSC | C | | C |
| HARMON - SB | Gwinnett to Henry | 5106003 | 5106 | 1564.1 | AM | 14.1 | 25 | 0.57 | 38.3 | 38.0 | TWSC | E | Urban Core | Cross Street delays expected with priority given to east-west |
| HARMON - SB | Gwinnett to Henry | 5106003 | 5106 | 1564.1 | MD | 16.0 | 25 | 0.64 | 25.7 | 25.0 | TWSC | D | Urban Core | Cross Street delays expected with priority given to east-west |
| HARMON - SB | Gwinnett to Henry | 5106003 | 5106 | 1564.1 | PM | 20.7 | 25 | 0.83 | 14.4 | 11.0 | TWSC | B | | B |
| HARMON - SB | Henry to Anderson | 5106004 | 5106 | 321.2 | AM | 4.8 | 25 | 0.19 | 37.6 | 30.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| HARMON - SB | Henry to Anderson | 5106004 | 5106 | 321.2 | MD | 4.9 | 25 | 0.19 | 37.1 | 30.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|---|
| HARMON - SB | Henry to Anderson | 5106004 | 5106 | 321.2 | PM | 4.5 | 25 | 0.18 | 35.4 | 31.3 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| HARMON - SB | Anderson to 37th St | 5106005 | 5106 | 1999 | AM | 27.6 | 25 | 1.10 | 8.5 | 10.8 | Signal | A | | A |
| HARMON - SB | Anderson to 37th St | 5106005 | 5106 | 1999 | MD | 26.6 | 25 | 1.06 | 1.0 | 4.3 | Signal | A | | A |
| HARMON - SB | Anderson to 37th St | 5106005 | 5106 | 1999 | PM | 17.2 | 25 | 0.69 | 25.6 | 20.0 | Signal | C | | C |
| HARMON - SB | 37th St to 39th St | 5106006 | 5106 | 658.8 | AM | 22.1 | 25 | 0.88 | 2.7 | 0.8 | Signal | A | | A |
| HARMON - SB | 37th St to 39th St | 5106006 | 5106 | 658.8 | MD | 21.3 | 25 | 0.85 | 3.6 | 0.8 | Signal | A | | A |
| HARMON - SB | 37th St to 39th St | 5106006 | 5106 | 658.8 | PM | 17.7 | 25 | 0.71 | 7.2 | 2.7 | Signal | A | | A |
| HARMON - SB | 39th St to Victory | 5106007 | 5106 | 1056.6 | AM | 14.7 | 25 | 0.59 | 20.0 | 16.8 | AWSC | C | | C |
| HARMON - SB | 39th St to Victory | 5106007 | 5106 | 1056.6 | MD | 18.9 | 25 | 0.76 | 12.2 | 7.8 | AWSC | B | | B |
| HARMON - SB | 39th St to Victory | 5106007 | 5106 | 1056.6 | PM | 13.1 | 25 | 0.52 | 25.9 | 18.7 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired cond, Stop sign upstream restricts coordination |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Green Island to Landings/Village | 5107002 | 5107 | 1197.7 | AM | 14.2 | 40 | 0.35 | 45.6 | 28.0 | AWSC | E | Delays at Landings/Village | Priority IC - Widen 2-4 from Ferguson to McWhorter |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Green Island to Landings/Village | 5107002 | 5107 | 1197.7 | MD | 19.0 | 40 | 0.47 | 29.5 | 16.0 | AWSC | D | Delays at Landings/Village | Priority IC - Widen 2-4 from Ferguson to McWhorter |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Green Island to Landings/Village | 5107002 | 5107 | 1197.7 | PM | 20.3 | 40 | 0.51 | 24.2 | 12.5 | AWSC | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Landings/Village to Intercoastal Waterway | 5107003 | 5107 | 4799.3 | AM | 43.6 | 40 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Landings/Village to Intercoastal Waterway | 5107003 | 5107 | 4799.3 | MD | 40.2 | 40 | 1.01 | 1.3 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Landings/Village to Intercoastal Waterway | 5107003 | 5107 | 4799.3 | PM | 45.7 | 40 | 1.14 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Intercoastal Waterway to Moon River | 5107004 | 5107 | 5971.9 | AM | 49.7 | 50 | 0.99 | 1.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Intercoastal Waterway to Moon River | 5107004 | 5107 | 5971.9 | MD | 49.5 | 50 | 0.99 | 1.6 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Intercoastal Waterway to Moon River | 5107004 | 5107 | 5971.9 | PM | 55.5 | 50 | 1.11 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Moon River to Ferguson | 5107005 | 5107 | 5297.5 | AM | 35.9 | 50 | 0.72 | 29.3 | 13.0 | Cross Street | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Moon River to Ferguson | 5107005 | 5107 | 5297.5 | MD | 37.0 | 50 | 0.74 | 26.8 | 6.5 | Cross Street | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Moon River to Ferguson | 5107005 | 5107 | 5297.5 | PM | 35.9 | 50 | 0.72 | 32.2 | 19.5 | Cross Street | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Ferguson to Whitfield | 5107006 | 5107 | 2252.6 | AM | 28.9 | 50 | 0.58 | 27.9 | 1.7 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Ferguson to Whitfield | 5107006 | 5107 | 2252.6 | MD | 36.9 | 50 | 0.74 | 10.8 | 0.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Ferguson to Whitfield | 5107006 | 5107 | 2252.6 | PM | 39.3 | 50 | 0.79 | 8.4 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Whitfield to Old Montgomery Rd | 5107007 | 5107 | 4798.2 | AM | 29.5 | 40 | 0.74 | 39.3 | 2.3 | Cross Street | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Whitfield to Old Montgomery Rd | 5107007 | 5107 | 4798.2 | MD | 38.1 | 40 | 0.95 | 5.8 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Whitfield to Old Montgomery Rd | 5107007 | 5107 | 4798.2 | PM | 42.9 | 40 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Old Montgomery Rd to Kings Way | 5107008 | 5107 | 1676 | AM | 22.9 | 35 | 0.65 | 17.5 | 0.0 | Cross Street | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Old Montgomery Rd to Kings Way | 5107008 | 5107 | 1676 | MD | 37.8 | 35 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Old Montgomery Rd to Kings Way | 5107008 | 5107 | 1676 | PM | 35.7 | 35 | 1.01 | 5.5 | 2.3 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Kings Way to City Limit | 5107009 | 5107 | 2618.1 | AM | 34.9 | 40 | 0.87 | 7.4 | 0.0 | Flashing Yellow | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Kings Way to City Limit | 5107009 | 5107 | 2618.1 | MD | 45.9 | 40 | 1.15 | 0.0 | 0.0 | Flashing Yellow | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Kings Way to City Limit | 5107009 | 5107 | 2618.1 | PM | 45.3 | 40 | 1.13 | 0.0 | 0.0 | Flashing Yellow | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | AM | 18.4 | 45 | 0.41 | 54.1 | 36.0 | City Limit | E | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | MD | 24.0 | 45 | 0.53 | 45.6 | 29.7 | City Limit | D | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | City Limit to Montgomery Cross | 5107010 | 5107 | 2227.8 | PM | 15.6 | 45 | 0.35 | 67.3 | 53.7 | City Limit | F | Heavy left turn volumes overflow storage bays | Optimize signal timing to maximize flowrate for left turn vehicles, this will free-up green time for other phases |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|-------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|--|---|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Montgomery Cross to Mall Blvd | 5107011 | 5107 | 1919.6 | AM | 38.3 | 40 | 0.96 | 2.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Montgomery Cross to Mall Blvd | 5107011 | 5107 | 1919.6 | MD | 33.6 | 40 | 0.84 | 8.4 | 1.7 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Montgomery Cross to Mall Blvd | 5107011 | 5107 | 1919.6 | PM | 30.1 | 40 | 0.75 | 12.0 | 5.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Mall Blvd to Eisenhower | 5107012 | 5107 | 2848.5 | AM | 41.0 | 40 | 1.03 | 1.3 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Mall Blvd to Eisenhower | 5107012 | 5107 | 2848.5 | MD | 32.2 | 40 | 0.81 | 11.9 | 1.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Mall Blvd to Eisenhower | 5107012 | 5107 | 2848.5 | PM | 38.1 | 40 | 0.95 | 6.0 | 0.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Eisenhower to Stephenson | 5107013 | 5107 | 1307.8 | AM | 31.2 | 40 | 0.78 | 6.1 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Eisenhower to Stephenson | 5107013 | 5107 | 1307.8 | MD | 35.3 | 40 | 0.88 | 2.9 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Eisenhower to Stephenson | 5107013 | 5107 | 1307.8 | PM | 15.2 | 40 | 0.38 | 45.2 | 25.7 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | AM | 18.7 | 35 | 0.53 | 109.4 | 49.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | MD | 16.1 | 35 | 0.46 | 130.3 | 62.0 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Stephenson to DeRenne | 5107014 | 5107 | 5497.7 | PM | 11.3 | 35 | 0.32 | 251.2 | 111.7 | Signal | F | Corridor will improve with extension of Truman | Study next CMS, review in E-W Study |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | DeRenne to 65th St | 5107015 | 5107 | 1973.8 | AM | 23.7 | 35 | 0.68 | 18.4 | 0.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | DeRenne to 65th St | 5107015 | 5107 | 1973.8 | MD | 24.6 | 35 | 0.70 | 15.9 | 2.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | DeRenne to 65th St | 5107015 | 5107 | 1973.8 | PM | 25.0 | 35 | 0.71 | 15.3 | 6.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 65th St to 63rd St | 5107016 | 5107 | 823.5 | AM | 25.2 | 35 | 0.72 | 13.2 | 6.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 65th St to 63rd St | 5107016 | 5107 | 823.5 | MD | 15.6 | 35 | 0.44 | 20.5 | 12.0 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 65th St to 63rd St | 5107016 | 5107 | 823.5 | PM | 18.2 | 35 | 0.52 | 23.7 | 16.7 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 63rd St to Columbus | 5107017 | 5107 | 1490.8 | AM | 13.2 | 35 | 0.38 | 47.5 | 35.0 | Signal | D | Short Distance between Columbus and LaRoche | Coordinate signals between Columbus and LaRoche |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 63rd St to Columbus | 5107017 | 5107 | 1490.8 | MD | 23.8 | 35 | 0.68 | 18.0 | 12.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 63rd St to Columbus | 5107017 | 5107 | 1490.8 | PM | 25.1 | 35 | 0.72 | 23.6 | 13.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Columbus to Delesseps | 5107018 | 5107 | 235.1 | AM | 27.3 | 30 | 0.91 | 0.9 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Columbus to Delesseps | 5107018 | 5107 | 235.1 | MD | 34.4 | 30 | 1.15 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Columbus to Delesseps | 5107018 | 5107 | 235.1 | PM | 27.3 | 30 | 0.91 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Delesseps to 52nd St | 5107019 | 5107 | 1995 | AM | 24.7 | 30 | 0.82 | 10.9 | 6.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Delesseps to 52nd St | 5107019 | 5107 | 1995 | MD | 28.6 | 30 | 0.95 | 4.7 | 2.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Delesseps to 52nd St | 5107019 | 5107 | 1995 | PM | 23.8 | 30 | 0.79 | 14.1 | 6.5 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 52nd St to Washington | 5107020 | 5107 | 1382.6 | AM | 22.9 | 30 | 0.76 | 10.4 | 4.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 52nd St to Washington | 5107020 | 5107 | 1382.6 | MD | 19.8 | 30 | 0.66 | 19.1 | 5.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 52nd St to Washington | 5107020 | 5107 | 1382.6 | PM | 28.1 | 30 | 0.94 | 2.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Washington to Victory | 5107021 | 5107 | 1225.2 | AM | 18.7 | 30 | 0.62 | 32.8 | 24.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Washington to Victory | 5107021 | 5107 | 1225.2 | MD | 8.7 | 30 | 0.29 | 70.9 | 53.3 | Signal | E | Excessive delay at Victory | Improved operations on Victory will reduce the delays on Waters |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Washington to Victory | 5107021 | 5107 | 1225.2 | PM | 14.4 | 30 | 0.48 | 33.4 | 20.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Victory to 37th St | 5107022 | 5107 | 1705.4 | AM | 24.5 | 30 | 0.82 | 11.6 | 6.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Victory to 37th St | 5107022 | 5107 | 1705.4 | MD | 27.0 | 30 | 0.90 | 4.8 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|-----------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|-------------------|--|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Victory to 37th St | 5107022 | 5107 | 1705.4 | PM | 19.3 | 30 | 0.64 | 24.2 | 1.8 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 37th St to Anderson | 5107023 | 5107 | 2014.3 | AM | 27.5 | 25 | 1.10 | 7.1 | 7.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 37th St to Anderson | 5107023 | 5107 | 2014.3 | MD | 18.5 | 25 | 0.74 | 20.5 | 17.0 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | 37th St to Anderson | 5107023 | 5107 | 2014.3 | PM | 19.0 | 25 | 0.76 | 22.2 | 14.8 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Anderson to Henry | 5107024 | 5107 | 313.2 | AM | 26.3 | 30 | 0.88 | 2.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Anderson to Henry | 5107024 | 5107 | 313.2 | MD | 11.5 | 30 | 0.38 | 16.5 | 8.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Anderson to Henry | 5107024 | 5107 | 313.2 | PM | 23.2 | 30 | 0.77 | 2.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Henry to Gwinnett | 5107025 | 5107 | 1592 | AM | 29.2 | 30 | 0.97 | 6.1 | 2.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Henry to Gwinnett | 5107025 | 5107 | 1592 | MD | 19.8 | 30 | 0.66 | 18.5 | 1.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Henry to Gwinnett | 5107025 | 5107 | 1592 | PM | 17.9 | 30 | 0.60 | 26.7 | 4.8 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Gwinnett to Wheaton | 5107026 | 5107 | 722.7 | AM | 15.2 | 30 | 0.51 | 19.4 | 11.7 | AWSC | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Gwinnett to Wheaton | 5107026 | 5107 | 722.7 | MD | 18.7 | 30 | 0.62 | 10.4 | 3.3 | AWSC | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - NB | Gwinnett to Wheaton | 5107026 | 5107 | 722.7 | PM | 12.6 | 30 | 0.42 | 24.5 | 14.3 | AWSC | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Wheaton to Gwinnett | 5108001 | 5108 | 722.6 | AM | 17.3 | 30 | 0.58 | 12.6 | 3.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Wheaton to Gwinnett | 5108001 | 5108 | 722.6 | MD | 19.6 | 30 | 0.65 | 8.0 | 1.5 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Wheaton to Gwinnett | 5108001 | 5108 | 722.6 | PM | 18.3 | 30 | 0.61 | 10.3 | 2.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Gwinnett to Henry | 5108002 | 5108 | 1592.1 | AM | 26.5 | 30 | 0.88 | 4.7 | 0.0 | AWSC | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Gwinnett to Henry | 5108002 | 5108 | 1592.1 | MD | 23.8 | 30 | 0.79 | 11.6 | 4.5 | AWSC | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Gwinnett to Henry | 5108002 | 5108 | 1592.1 | PM | 19.0 | 30 | 0.63 | 25.2 | 14.3 | AWSC | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Henry to Anderson | 5108003 | 5108 | 313.2 | AM | 23.1 | 30 | 0.77 | 1.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Henry to Anderson | 5108003 | 5108 | 313.2 | MD | 15.4 | 30 | 0.51 | 9.5 | 4.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Henry to Anderson | 5108003 | 5108 | 313.2 | PM | 14.4 | 30 | 0.48 | 14.4 | 7.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Anderson to 37th St | 5108004 | 5108 | 2014.3 | AM | 26.3 | 25 | 1.05 | 3.3 | 3.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Anderson to 37th St | 5108004 | 5108 | 2014.3 | MD | 27.0 | 25 | 1.08 | 8.3 | 2.5 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Anderson to 37th St | 5108004 | 5108 | 2014.3 | PM | 22.0 | 25 | 0.88 | 9.9 | 6.7 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 37th St to Victory | 5108005 | 5108 | 1705.4 | AM | 12.8 | 29 | 0.44 | 66.7 | 41.0 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 37th St to Victory | 5108005 | 5108 | 1705.4 | MD | 10.4 | 30 | 0.35 | 78.9 | 63.5 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 37th St to Victory | 5108005 | 5108 | 1705.4 | PM | 11.2 | 30 | 0.37 | 67.4 | 44.7 | Signal | E | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Victory to Washington | 5108006 | 5108 | 1225.1 | AM | 32.9 | 30 | 1.10 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Victory to Washington | 5108006 | 5108 | 1225.1 | MD | 26.5 | 30 | 0.88 | 9.9 | 7.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Victory to Washington | 5108006 | 5108 | 1225.1 | PM | 23.9 | 30 | 0.80 | 9.5 | 2.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Washington to 52nd St | 5108007 | 5108 | 1382.7 | AM | 22.3 | 30 | 0.74 | 11.8 | 5.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Washington to 52nd St | 5108007 | 5108 | 1382.7 | MD | 22.2 | 30 | 0.74 | 16.1 | 10.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Washington to 52nd St | 5108007 | 5108 | 1382.7 | PM | 23.3 | 30 | 0.78 | 10.1 | 1.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 52nd St to Delesseps | 5108008 | 5108 | 1995 | AM | 30.3 | 30 | 1.01 | 1.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|-----------------|-----|---|----------------------|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 52nd St to Delesseps | 5108008 | 5108 | 1995 | MD | 29.7 | 30 | 0.99 | 4.4 | 1.8 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 52nd St to Delesseps | 5108008 | 5108 | 1995 | PM | 25.4 | 30 | 0.85 | 15.9 | 6.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Delesseps to Columbus | 5108009 | 5108 | 235.1 | AM | 31.7 | 30 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Delesseps to Columbus | 5108009 | 5108 | 235.1 | MD | 31.0 | 30 | 1.03 | 0.2 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Delesseps to Columbus | 5108009 | 5108 | 235.1 | PM | 32.7 | 30 | 1.09 | 0.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Columbus to 63rd St | 5108010 | 5108 | 1490.8 | AM | 26.4 | 28 | 0.94 | 6.9 | 6.7 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Columbus to 63rd St | 5108010 | 5108 | 1490.8 | MD | 24.7 | 35 | 0.71 | 17.9 | 10.8 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Columbus to 63rd St | 5108010 | 5108 | 1490.8 | PM | 29.5 | 35 | 0.84 | 9.6 | 4.3 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 63rd St to 65th St | 5108011 | 5108 | 823.5 | AM | 30.0 | 31 | 0.97 | 1.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 63rd St to 65th St | 5108011 | 5108 | 823.5 | MD | 23.3 | 35 | 0.67 | 10.4 | 4.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 63rd St to 65th St | 5108011 | 5108 | 823.5 | PM | 22.3 | 35 | 0.64 | 12.2 | 7.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | AM | 15.0 | 35 | 0.43 | 58.8 | 41.3 | Signal | E | Corridor will improve with extension of Truman | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | MD | 20.6 | 35 | 0.59 | 40.8 | 26.0 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | 65th St to DeRenne | 5108012 | 5108 | 1973.7 | PM | 17.2 | 35 | 0.49 | 50.1 | 13.0 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | DeRenne to Stephenson | 5108013 | 5108 | 5497.8 | AM | 33.7 | 32 | 1.05 | 0.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | DeRenne to Stephenson | 5108013 | 5108 | 5497.8 | MD | 32.6 | 35 | 0.93 | 8.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | DeRenne to Stephenson | 5108013 | 5108 | 5497.8 | PM | 14.0 | 35 | 0.40 | 159.8 | 47.3 | Signal | F | Corridor will improve with extension of Truman | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Stephenson to Eisenhower | 5108014 | 5108 | 1307.7 | AM | 19.6 | 40 | 0.49 | 26.7 | 15.7 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Stephenson to Eisenhower | 5108014 | 5108 | 1307.7 | MD | 21.8 | 40 | 0.54 | 25.6 | 13.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Stephenson to Eisenhower | 5108014 | 5108 | 1307.7 | PM | 13.3 | 40 | 0.33 | 48.8 | 29.7 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Eisenhower to Mall Blvd | 5108015 | 5108 | 2848.6 | AM | 32.0 | 40 | 0.80 | 12.6 | 7.7 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Eisenhower to Mall Blvd | 5108015 | 5108 | 2848.6 | MD | 31.1 | 40 | 0.78 | 15.5 | 7.3 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Eisenhower to Mall Blvd | 5108015 | 5108 | 2848.6 | PM | 26.3 | 40 | 0.66 | 24.9 | 12.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Mall Blvd to Montgomery Cross | 5108016 | 5108 | 1919.6 | AM | 24.3 | 40 | 0.61 | 29.4 | 20.3 | Signal | C | | C |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Mall Blvd to Montgomery Cross | 5108016 | 5108 | 1919.6 | MD | 32.3 | 40 | 0.81 | 8.9 | 1.8 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Mall Blvd to Montgomery Cross | 5108016 | 5108 | 1919.6 | PM | 17.9 | 40 | 0.45 | 41.1 | 21.0 | Signal | D | Corridor will improve with extension of Truman and Whitfield widening | Study next CMS |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Montgomery Cross to City Limit | 5108017 | 5108 | 2227.8 | AM | 41.5 | 45 | 0.92 | 2.8 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Montgomery Cross to City Limit | 5108017 | 5108 | 2227.8 | MD | 44.3 | 45 | 0.98 | 1.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Montgomery Cross to City Limit | 5108017 | 5108 | 2227.8 | PM | 43.2 | 45 | 0.96 | 3.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | City Limit to Kings Way | 5108018 | 5108 | 2618.1 | AM | 41.1 | 40 | 1.03 | 2.0 | 0.0 | City Limit | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | City Limit to Kings Way | 5108018 | 5108 | 2618.1 | MD | 41.6 | 40 | 1.04 | 4.1 | 0.0 | City Limit | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | City Limit to Kings Way | 5108018 | 5108 | 2618.1 | PM | 31.8 | 40 | 0.80 | 11.7 | 0.0 | City Limit | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Kings Way to Old Montgomery Rd | 5108019 | 5108 | 1676 | AM | 33.5 | 35 | 0.94 | 4.0 | 0.3 | Flashing Yellow | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Kings Way to Old Montgomery Rd | 5108019 | 5108 | 1676 | MD | 34.6 | 35 | 0.97 | 3.8 | 0.0 | Flashing Yellow | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Kings Way to Old Montgomery Rd | 5108019 | 5108 | 1676 | PM | 30.5 | 35 | 0.86 | 5.5 | 0.0 | Flashing Yellow | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|--|---|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|------------------------------|--|
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Old Montgomery Rd to Whitfield | 5108020 | 5108 | 4798.2 | AM | 42.5 | 40 | 1.06 | 0.9 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Old Montgomery Rd to Whitfield | 5108020 | 5108 | 4798.2 | MD | 39.7 | 40 | 0.99 | 3.8 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Old Montgomery Rd to Whitfield | 5108020 | 5108 | 4798.2 | PM | 42.5 | 40 | 1.06 | 1.5 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Whitfield to Ferguson | 5108021 | 5108 | 2252.6 | AM | 46.2 | 50 | 0.92 | 2.6 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Whitfield to Ferguson | 5108021 | 5108 | 2252.6 | MD | 24.6 | 50 | 0.49 | 33.3 | 21.0 | Cross Street | D | Excessive delays at Ferguson | Priority I - Widen from 2-4 between Old Whitfield and Ferguson |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Whitfield to Ferguson | 5108021 | 5108 | 2252.6 | PM | 37.2 | 50 | 0.74 | 10.5 | 0.0 | Cross Street | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Ferguson to Moon River | 5108022 | 5108 | 5297.5 | AM | 48.0 | 50 | 0.96 | 5.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Ferguson to Moon River | 5108022 | 5108 | 5297.5 | MD | 46.2 | 50 | 0.92 | 8.3 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Ferguson to Moon River | 5108022 | 5108 | 5297.5 | PM | 45.9 | 50 | 0.92 | 6.5 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Moon River to Intercoastal Waterway | 5108023 | 5108 | 5971.9 | AM | 51.8 | 50 | 1.04 | 0.7 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Moon River to Intercoastal Waterway | 5108023 | 5108 | 5971.9 | MD | 51.2 | 50 | 1.02 | 0.8 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Moon River to Intercoastal Waterway | 5108023 | 5108 | 5971.9 | PM | 52.7 | 50 | 1.05 | 1.0 | 0.0 | Cross Street | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Intercoastal Waterway to Landings/Village | 5108024 | 5108 | 4799.3 | AM | 55.8 | 40 | 1.40 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Intercoastal Waterway to Landings/Village | 5108024 | 5108 | 4799.3 | MD | 37.1 | 40 | 0.93 | 13.7 | 8.0 | Signal | B | | B |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Intercoastal Waterway to Landings/Village | 5108024 | 5108 | 4799.3 | PM | 44.8 | 40 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Landings/Village to Green Island | 5108025 | 5108 | 1197.7 | AM | 34.3 | 40 | 0.86 | 4.6 | 0.7 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Landings/Village to Green Island | 5108025 | 5108 | 1197.7 | MD | 33.0 | 40 | 0.83 | 5.0 | 1.0 | Signal | A | | A |
| WATERS/WHITFIELD/ DIAMOND CAUSWAY - SB | Landings/Village to Green Island | 5108025 | 5108 | 1197.7 | PM | 23.9 | 40 | 0.60 | 14.3 | 1.3 | Signal | B | | B |
| MCWHORTER - EB | Waters to Landings | 5109001 | 5109 | 7729 | AM | 43.4 | 50 | 0.87 | 15.9 | 0.0 | AWSC | C | | C |
| MCWHORTER - EB | Waters to Landings | 5109001 | 5109 | 7729 | MD | 46.6 | 50 | 0.93 | 7.6 | 0.0 | AWSC | A | | A |
| MCWHORTER - EB | Waters to Landings | 5109001 | 5109 | 7729 | PM | 44.1 | 50 | 0.88 | 14.0 | 0.0 | AWSC | B | | B |
| MCWHORTER - EB | Landings to Roadway Split | 5109002 | 5109 | 2850.7 | AM | 47.0 | 50 | 0.94 | 2.5 | 0.0 | Cross Street | A | | A |
| MCWHORTER - EB | Landings to Roadway Split | 5109002 | 5109 | 2850.7 | MD | 49.0 | 50 | 0.98 | 0.8 | 0.0 | Cross Street | A | | A |
| MCWHORTER - EB | Landings to Roadway Split | 5109002 | 5109 | 2850.7 | PM | 46.9 | 50 | 0.94 | 2.5 | 0.0 | Cross Street | A | | A |
| MCWHORTER - EB | Roadway Split to End of Route | 5109003 | 5109 | 5792.9 | AM | 49.0 | 50 | 0.98 | 1.6 | 0.0 | Cross Street | A | | A |
| MCWHORTER - EB | Roadway Split to End of Route | 5109003 | 5109 | 5792.9 | MD | 49.5 | 50 | 0.99 | 0.8 | 0.0 | Cross Street | A | | A |
| MCWHORTER - EB | Roadway Split to End of Route | 5109003 | 5109 | 5792.9 | PM | 46.5 | 50 | 0.93 | 5.8 | 0.0 | Cross Street | A | | A |
| MCWHORTER - WB | End of Route to Roadway Split | 5110001 | 5110 | 5792.9 | AM | 46.6 | 50 | 0.93 | 5.7 | 0.0 | Signal | A | | A |
| MCWHORTER - WB | End of Route to Roadway Split | 5110001 | 5110 | 5792.9 | MD | 49.8 | 50 | 1.00 | 0.3 | 0.0 | Signal | A | | A |
| MCWHORTER - WB | End of Route to Roadway Split | 5110001 | 5110 | 5792.9 | PM | 50.8 | 50 | 1.02 | 0.0 | 0.0 | Signal | A | | A |
| MCWHORTER - WB | Roadway Split to Landings | 5110002 | 5110 | 2850.6 | AM | 47.7 | 50 | 0.95 | 1.8 | 0.0 | Cross Street | A | | A |
| MCWHORTER - WB | Roadway Split to Landings | 5110002 | 5110 | 2850.6 | MD | 49.3 | 50 | 0.99 | 0.5 | 0.0 | Cross Street | A | | A |
| MCWHORTER - WB | Roadway Split to Landings | 5110002 | 5110 | 2850.6 | PM | 51.1 | 50 | 1.02 | 0.0 | 0.0 | Cross Street | A | | A |
| MCWHORTER - WB | Landings to Waters | 5110003 | 5110 | 7729 | AM | 45.1 | 50 | 0.90 | 11.3 | 2.0 | Cross Street | A | | A |
| MCWHORTER - WB | Landings to Waters | 5110003 | 5110 | 7729 | MD | 45.1 | 50 | 0.90 | 11.5 | 3.0 | Cross Street | A | | A |
| MCWHORTER - WB | Landings to Waters | 5110003 | 5110 | 7729 | PM | 45.2 | 50 | 0.90 | 11.2 | 2.0 | Cross Street | A | | A |
| WHITFIELD - NB | Lucas to Shipyard | 5111002 | 5111 | 3143.8 | AM | 36.2 | 35 | 1.03 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Lucas to Shipyard | 5111002 | 5111 | 3143.8 | MD | 36.1 | 35 | 1.03 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Lucas to Shipyard | 5111002 | 5111 | 3143.8 | PM | 35.3 | 35 | 1.01 | 0.8 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Shipyard to Mendel | 5111003 | 5111 | 571.7 | AM | 38.7 | 35 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Shipyard to Mendel | 5111003 | 5111 | 571.7 | MD | 37.7 | 35 | 1.08 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Shipyard to Mendel | 5111003 | 5111 | 571.7 | PM | 38.5 | 35 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Mendel to Rivers Ben | 5111004 | 5111 | 2681.9 | AM | 38.9 | 35 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Mendel to Rivers Ben | 5111004 | 5111 | 2681.9 | MD | 38.4 | 35 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Mendel to Rivers Ben | 5111004 | 5111 | 2681.9 | PM | 37.6 | 35 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Rivers Ben to Waters | 5111005 | 5111 | 4833 | AM | 31.5 | 35 | 0.90 | 11.8 | 12.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|---------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| WHITFIELD - NB | Rivers Ben to Waters | 5111005 | 5111 | 4833 | MD | 34.8 | 35 | 0.99 | 1.3 | 0.0 | Cross Street | A | | A |
| WHITFIELD - NB | Rivers Ben to Waters | 5111005 | 5111 | 4833 | PM | 30.4 | 35 | 0.87 | 16.0 | 6.3 | Cross Street | A | | A |
| WHITFIELD - SB | Waters to Rivers Ben | 5112001 | 5112 | 4833 | AM | 35.3 | 35 | 1.01 | 0.0 | 0.0 | Signal | A | | A |
| WHITFIELD - SB | Waters to Rivers Ben | 5112001 | 5112 | 4833 | MD | 39.4 | 35 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| WHITFIELD - SB | Waters to Rivers Ben | 5112001 | 5112 | 4833 | PM | 35.9 | 35 | 1.02 | 0.6 | 0.0 | Signal | A | | A |
| WHITFIELD - SB | Rivers Ben to Mendel | 5112002 | 5112 | 2682 | AM | 36.4 | 35 | 1.04 | 0.1 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Rivers Ben to Mendel | 5112002 | 5112 | 2682 | MD | 38.9 | 35 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Rivers Ben to Mendel | 5112002 | 5112 | 2682 | PM | 37.3 | 35 | 1.07 | 0.0 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Mendel to Shipyard | 5112003 | 5112 | 571.6 | AM | 35.1 | 35 | 1.00 | 0.2 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Mendel to Shipyard | 5112003 | 5112 | 571.6 | MD | 39.4 | 35 | 1.13 | 0.1 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Mendel to Shipyard | 5112003 | 5112 | 571.6 | PM | 34.8 | 35 | 0.99 | 0.4 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Shipyard to Lucas | 5112004 | 5112 | 3143.8 | AM | 31.9 | 35 | 0.91 | 6.0 | 0.3 | Cross Street | A | | A |
| WHITFIELD - SB | Shipyard to Lucas | 5112004 | 5112 | 3143.8 | MD | 35.9 | 35 | 1.03 | 1.1 | 0.0 | Cross Street | A | | A |
| WHITFIELD - SB | Shipyard to Lucas | 5112004 | 5112 | 3143.8 | PM | 32.7 | 35 | 0.93 | 4.2 | 0.0 | Cross Street | A | | A |
| FERGUSON - NB | Shipyard to Diamond Causeway | 5113002 | 5113 | 6509.6 | AM | 35.6 | 40 | 0.89 | 14.2 | 3.0 | TWSC | B | | B |
| FERGUSON - NB | Shipyard to Diamond Causeway | 5113002 | 5113 | 6509.6 | MD | 31.5 | 40 | 0.79 | 35.8 | 23.0 | TWSC | E | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - NB | Shipyard to Diamond Causeway | 5113002 | 5113 | 6509.6 | PM | 30.5 | 40 | 0.76 | 36.6 | 15.3 | TWSC | E | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - NB | Diamond Causeway to Winterberry | 5113003 | 5113 | 7593.1 | AM | 39.1 | 40 | 0.98 | 4.2 | 0.0 | Signal | A | | A |
| FERGUSON - NB | Diamond Causeway to Winterberry | 5113003 | 5113 | 7593.1 | MD | 44.6 | 40 | 1.12 | 0.1 | 0.0 | Signal | A | | A |
| FERGUSON - NB | Diamond Causeway to Winterberry | 5113003 | 5113 | 7593.1 | PM | 40.3 | 40 | 1.01 | 1.5 | 0.0 | Signal | A | | A |
| FERGUSON - NB | Winterberry to Skidaway | 5113004 | 5113 | 4856.3 | AM | 31.5 | 40 | 0.79 | 22.2 | 11.3 | Cross Street | B | | B |
| FERGUSON - NB | Winterberry to Skidaway | 5113004 | 5113 | 4856.3 | MD | 34.5 | 40 | 0.86 | 14.7 | 10.8 | Cross Street | B | | B |
| FERGUSON - NB | Winterberry to Skidaway | 5113004 | 5113 | 4856.3 | PM | 32.3 | 40 | 0.81 | 20.4 | 10.8 | Cross Street | B | | B |
| FERGUSON - NB | Skidaway to La Roche | 5113005 | 5113 | 6100.4 | AM | 36.1 | 40 | 0.90 | 11.3 | 0.0 | Signal | B | | B |
| FERGUSON - NB | Skidaway to La Roche | 5113005 | 5113 | 6100.4 | MD | 36.6 | 40 | 0.92 | 11.0 | 4.0 | Signal | B | | B |
| FERGUSON - NB | Skidaway to La Roche | 5113005 | 5113 | 6100.4 | PM | 33.2 | 40 | 0.83 | 22.2 | 1.3 | Signal | C | | C |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | AM | 26.2 | 40 | 0.65 | 56.7 | 26.8 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | MD | 29.8 | 40 | 0.74 | 36.5 | 19.0 | TWSC | E | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - SB | La Roche to Skidaway | 5114001 | 5114 | 6100.5 | PM | 26.2 | 40 | 0.66 | 54.5 | 19.5 | TWSC | F | Canopy - Constrained Corridor | Constrained Corridor - Secondary roadway for access, higher speeds not desired |
| FERGUSON - SB | Skidaway to Winterberry | 5114002 | 5114 | 4856.2 | AM | 38.6 | 40 | 0.96 | 3.1 | 0.0 | Signal | A | | A |
| FERGUSON - SB | Skidaway to Winterberry | 5114002 | 5114 | 4856.2 | MD | 38.8 | 40 | 0.97 | 3.8 | 0.0 | Signal | A | | A |
| FERGUSON - SB | Skidaway to Winterberry | 5114002 | 5114 | 4856.2 | PM | 34.9 | 40 | 0.87 | 12.3 | 0.0 | Signal | B | | B |
| FERGUSON - SB | Winterberry to Diamond Causeway | 5114003 | 5114 | 7593.1 | AM | 32.7 | 40 | 0.82 | 32.4 | 31.3 | Cross Street | B | | B |
| FERGUSON - SB | Winterberry to Diamond Causeway | 5114003 | 5114 | 7593.1 | MD | 34.1 | 40 | 0.85 | 22.9 | 23.5 | Cross Street | B | | B |
| FERGUSON - SB | Winterberry to Diamond Causeway | 5114003 | 5114 | 7593.1 | PM | 33.5 | 40 | 0.84 | 26.1 | 18.0 | Cross Street | B | | B |
| FERGUSON - SB | Diamond Causeway to Shipyard | 5114004 | 5114 | 6509.6 | AM | 32.9 | 40 | 0.82 | 24.5 | 6.0 | Signal | C | | C |
| FERGUSON - SB | Diamond Causeway to Shipyard | 5114004 | 5114 | 6509.6 | MD | 35.3 | 40 | 0.88 | 14.9 | 6.5 | Signal | B | | B |
| FERGUSON - SB | Diamond Causeway to Shipyard | 5114004 | 5114 | 6509.6 | PM | 34.5 | 40 | 0.86 | 18.3 | 3.3 | Signal | B | | B |
| SKIDAWAY - NB | Parkersburg to Ferguson | 5115002 | 5115 | 3509.5 | AM | 33.0 | 35 | 0.94 | 7.9 | 4.5 | TWSC | A | | A |
| SKIDAWAY - NB | Parkersburg to Ferguson | 5115002 | 5115 | 3509.5 | MD | 33.5 | 35 | 0.96 | 5.8 | 3.3 | TWSC | A | | A |
| SKIDAWAY - NB | Parkersburg to Ferguson | 5115002 | 5115 | 3509.5 | PM | 38.8 | 35 | 1.11 | 0.0 | 3.0 | TWSC | A | | A |
| SKIDAWAY - NB | Ferguson to Montgomery Cross | 5115003 | 5115 | 1605.2 | AM | 24.3 | 35 | 0.69 | 16.5 | 6.8 | Signal | B | | B |
| SKIDAWAY - NB | Ferguson to Montgomery Cross | 5115003 | 5115 | 1605.2 | MD | 29.0 | 35 | 0.83 | 8.2 | 3.0 | Signal | A | | A |
| SKIDAWAY - NB | Ferguson to Montgomery Cross | 5115003 | 5115 | 1605.2 | PM | 21.9 | 35 | 0.62 | 19.3 | 5.7 | Signal | B | | B |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | AM | 19.9 | 35 | 0.57 | 67.3 | 44.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | MD | 27.9 | 35 | 0.80 | 25.6 | 14.3 | Signal | C | | C |
| SKIDAWAY - NB | Montgomery Cross to Eisenhower | 5115004 | 5115 | 3950.4 | PM | 17.6 | 35 | 0.50 | 79.7 | 47.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - NB | Eisenhower to Bonna Bella | 5115005 | 5115 | 4611.3 | AM | 32.1 | 40 | 0.80 | 19.7 | 1.8 | Signal | B | | B |
| SKIDAWAY - NB | Eisenhower to Bonna Bella | 5115005 | 5115 | 4611.3 | MD | 33.7 | 40 | 0.84 | 15.4 | 3.3 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---------------------|---------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---|---|
| SKIDAWAY - NB | Eisenhower to Bonna Bella | 5115005 | 5115 | 4611.3 | PM | 29.0 | 40 | 0.73 | 32.2 | 3.3 | Signal | C | | C |
| SKIDAWAY - NB | Bonna Bella to DeRenne | 5115006 | 5115 | 2693.8 | AM | 27.0 | 34 | 0.80 | 17.4 | 9.0 | Signal | B | | B |
| SKIDAWAY - NB | Bonna Bella to DeRenne | 5115006 | 5115 | 2693.8 | MD | 22.2 | 40 | 0.55 | 39.6 | 17.5 | Signal | D | Corridor will improve with extension of Truman | Study next CMS |
| SKIDAWAY - NB | Bonna Bella to DeRenne | 5115006 | 5115 | 2693.8 | PM | 29.5 | 40 | 0.74 | 17.3 | 0.0 | Signal | B | | B |
| SKIDAWAY - NB | DeRenne to La Roche | 5115007 | 5115 | 3331.8 | AM | 25.8 | 30 | 0.86 | 13.7 | 0.0 | Signal | B | | B |
| SKIDAWAY - NB | DeRenne to La Roche | 5115007 | 5115 | 3331.8 | MD | 30.9 | 35 | 0.88 | 9.4 | 1.8 | Signal | A | | A |
| SKIDAWAY - NB | DeRenne to La Roche | 5115007 | 5115 | 3331.8 | PM | 20.5 | 35 | 0.59 | 50.6 | 22.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - NB | La Roche to 52nd St | 5115008 | 5115 | 2124.2 | AM | 26.5 | 27 | 0.98 | 5.6 | 1.0 | Signal | A | | A |
| SKIDAWAY - NB | La Roche to 52nd St | 5115008 | 5115 | 2124.2 | MD | 28.1 | 35 | 0.80 | 12.1 | 1.5 | Signal | B | | B |
| SKIDAWAY - NB | La Roche to 52nd St | 5115008 | 5115 | 2124.2 | PM | 14.8 | 35 | 0.42 | 58.7 | 18.0 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - NB | 52nd St to Colorado | 5115009 | 5115 | 2264.5 | AM | 24.6 | 34 | 0.72 | 19.5 | 5.3 | Signal | B | | B |
| SKIDAWAY - NB | 52nd St to Colorado | 5115009 | 5115 | 2264.5 | MD | 25.9 | 35 | 0.74 | 18.4 | 5.8 | Signal | B | | B |
| SKIDAWAY - NB | 52nd St to Colorado | 5115009 | 5115 | 2264.5 | PM | 20.6 | 35 | 0.59 | 33.6 | 11.0 | Signal | C | | C |
| SKIDAWAY - NB | Colorado to Victory | 5115010 | 5115 | 953.4 | AM | 15.7 | 35 | 0.45 | 39.6 | 25.3 | Signal | D | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - NB | Colorado to Victory | 5115010 | 5115 | 953.4 | MD | 10.8 | 35 | 0.31 | 42.8 | 26.3 | Signal | D | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - NB | Colorado to Victory | 5115010 | 5115 | 953.4 | PM | 8.4 | 35 | 0.24 | 63.7 | 47.3 | Signal | E | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - NB | Victory to 36th St | 5115011 | 5115 | 2607.5 | AM | 29.3 | 35 | 0.84 | 13.2 | 3.0 | Signal | B | | B |
| SKIDAWAY - NB | Victory to 36th St | 5115011 | 5115 | 2607.5 | MD | 26.7 | 35 | 0.76 | 19.9 | 7.0 | Signal | B | | B |
| SKIDAWAY - NB | Victory to 36th St | 5115011 | 5115 | 2607.5 | PM | 22.3 | 35 | 0.64 | 33.1 | 18.5 | Signal | C | | C |
| SKIDAWAY - NB | 36th St to Henry/Anderson | 5115012 | 5115 | 2853.6 | AM | 31.8 | 35 | 0.91 | 6.8 | 1.3 | Signal | A | | A |
| SKIDAWAY - NB | 36th St to Henry/Anderson | 5115012 | 5115 | 2853.6 | MD | 22.7 | 35 | 0.65 | 32.7 | 14.8 | Signal | C | | C |
| SKIDAWAY - NB | 36th St to Henry/Anderson | 5115012 | 5115 | 2853.6 | PM | 26.9 | 35 | 0.77 | 18.9 | 7.8 | Signal | B | | B |
| SKIDAWAY - NB | Henry/Anderson to Wheaton | 5115013 | 5115 | 1912.7 | AM | 29.0 | 30 | 0.97 | 1.5 | 0.0 | Signal | A | | A |
| SKIDAWAY - NB | Henry/Anderson to Wheaton | 5115013 | 5115 | 1912.7 | MD | 25.1 | 30 | 0.84 | 9.0 | 1.3 | Signal | A | | A |
| SKIDAWAY - NB | Henry/Anderson to Wheaton | 5115013 | 5115 | 1912.7 | PM | 28.8 | 30 | 0.96 | 6.9 | 4.3 | Signal | A | | A |
| SKIDAWAY - SB | Wheaton to Henry/Anderson | 5116001 | 5116 | 1912.8 | AM | 21.9 | 30 | 0.73 | 18.7 | 13.3 | TWSC | C | | C |
| SKIDAWAY - SB | Wheaton to Henry/Anderson | 5116001 | 5116 | 1912.8 | MD | 16.0 | 30 | 0.53 | 37.5 | 38.5 | TWSC | E | Minor Approach to 5-legged intersection | Optimize Signal at Anderson |
| SKIDAWAY - SB | Wheaton to Henry/Anderson | 5116001 | 5116 | 1912.8 | PM | 14.2 | 30 | 0.47 | 48.0 | 37.3 | TWSC | E | Minor Approach to 5-legged intersection | Optimize Signal at Anderson |
| SKIDAWAY - SB | Henry/Anderson to 36th St | 5116002 | 5116 | 2853.5 | AM | 20.4 | 35 | 0.58 | 42.9 | 16.0 | Signal | D | Short Distance between Penn and 36th St | Coordinate signals between Penn and 36th St |
| SKIDAWAY - SB | Henry/Anderson to 36th St | 5116002 | 5116 | 2853.5 | MD | 33.0 | 35 | 0.94 | 4.7 | 7.5 | Signal | A | | A |
| SKIDAWAY - SB | Henry/Anderson to 36th St | 5116002 | 5116 | 2853.5 | PM | 26.2 | 35 | 0.75 | 20.1 | 8.3 | Signal | C | | C |
| SKIDAWAY - SB | 36th St to Victory | 5116003 | 5116 | 2607.6 | AM | 13.6 | 35 | 0.39 | 83.8 | 59.3 | Signal | F | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - SB | 36th St to Victory | 5116003 | 5116 | 2607.6 | MD | 22.8 | 35 | 0.65 | 27.5 | 8.5 | Signal | C | | C |
| SKIDAWAY - SB | 36th St to Victory | 5116003 | 5116 | 2607.6 | PM | 19.7 | 35 | 0.56 | 42.6 | 24.0 | Signal | D | Delay at Victory, sufficient capacity for all mvmt | No dedicated right turn bay, may consider, coordinating Victory timing will improve int ops |
| SKIDAWAY - SB | Victory to Colorado | 5116004 | 5116 | 953.3 | AM | 24.3 | 35 | 0.69 | 9.4 | 1.0 | Signal | A | | A |
| SKIDAWAY - SB | Victory to Colorado | 5116004 | 5116 | 953.3 | MD | 20.4 | 35 | 0.58 | 15.1 | 6.0 | Signal | B | | B |
| SKIDAWAY - SB | Victory to Colorado | 5116004 | 5116 | 953.3 | PM | 17.3 | 35 | 0.49 | 26.2 | 13.0 | Signal | C | | C |
| SKIDAWAY - SB | Colorado to 52nd St | 5116005 | 5116 | 2264.6 | AM | 27.2 | 35 | 0.78 | 12.9 | 4.7 | Signal | B | | B |
| SKIDAWAY - SB | Colorado to 52nd St | 5116005 | 5116 | 2264.6 | MD | 25.6 | 35 | 0.73 | 16.5 | 0.0 | Signal | B | | B |
| SKIDAWAY - SB | Colorado to 52nd St | 5116005 | 5116 | 2264.6 | PM | 16.4 | 35 | 0.47 | 52.0 | 27.7 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - SB | 52nd St to La Roche | 5116006 | 5116 | 2124.2 | AM | 28.4 | 35 | 0.81 | 9.7 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | 52nd St to La Roche | 5116006 | 5116 | 2124.2 | MD | 28.1 | 35 | 0.80 | 9.9 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | 52nd St to La Roche | 5116006 | 5116 | 2124.2 | PM | 23.2 | 35 | 0.66 | 25.5 | 13.0 | Signal | C | | C |
| SKIDAWAY - SB | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | AM | 13.3 | 35 | 0.38 | 126.9 | 85.5 | Signal | F | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - SB | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | MD | 27.3 | 35 | 0.78 | 18.1 | 2.0 | Signal | B | | B |
| SKIDAWAY - SB | La Roche to DeRenne | 5116007 | 5116 | 3331.7 | PM | 19.9 | 35 | 0.57 | 50.1 | 24.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - SB | DeRenne to Bonna Bella | 5116008 | 5116 | 2693.9 | AM | 26.6 | 40 | 0.66 | 24.5 | 1.3 | Signal | C | | C |
| SKIDAWAY - SB | DeRenne to Bonna Bella | 5116008 | 5116 | 2693.9 | MD | 28.9 | 40 | 0.72 | 17.3 | 0.0 | Signal | B | | B |
| SKIDAWAY - SB | DeRenne to Bonna Bella | 5116008 | 5116 | 2693.9 | PM | 27.4 | 40 | 0.69 | 24.0 | 4.7 | Signal | C | | C |
| SKIDAWAY - SB | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | AM | 27.5 | 40 | 0.69 | 47.3 | 25.3 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - SB | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | MD | 27.5 | 40 | 0.69 | 36.6 | 5.0 | Signal | D | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| SKIDAWAY - SB | Bonna Bella to Eisenhower | 5116009 | 5116 | 4611.3 | PM | 21.4 | 40 | 0.53 | 68.5 | 29.7 | Signal | E | Corridor will improve with extension of Truman and Widening of Skidaway | Study next CMS |
| SKIDAWAY - SB | Eisenhower to Montgomery Cross | 5116010 | 5116 | 3950.4 | AM | 32.0 | 35 | 0.91 | 7.3 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | Eisenhower to Montgomery Cross | 5116010 | 5116 | 3950.4 | MD | 31.9 | 35 | 0.91 | 7.6 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | Eisenhower to Montgomery Cross | 5116010 | 5116 | 3950.4 | PM | 29.4 | 35 | 0.84 | 18.5 | 4.3 | Signal | B | | B |
| SKIDAWAY - SB | Montgomery Cross to Ferguson | 5116011 | 5116 | 1605.1 | AM | 18.8 | 35 | 0.54 | 29.1 | 17.0 | Signal | C | | C |
| SKIDAWAY - SB | Montgomery Cross to Ferguson | 5116011 | 5116 | 1605.1 | MD | 25.1 | 35 | 0.72 | 13.5 | 5.0 | Signal | B | | B |
| SKIDAWAY - SB | Montgomery Cross to Ferguson | 5116011 | 5116 | 1605.1 | PM | 20.5 | 35 | 0.59 | 29.9 | 5.7 | Signal | C | | C |
| SKIDAWAY - SB | Ferguson to Parkersburg | 5116012 | 5116 | 3509.5 | AM | 40.6 | 35 | 1.16 | 0.7 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | Ferguson to Parkersburg | 5116012 | 5116 | 3509.5 | MD | 38.3 | 35 | 1.10 | 0.0 | 0.0 | Signal | A | | A |
| SKIDAWAY - SB | Ferguson to Parkersburg | 5116012 | 5116 | 3509.5 | PM | 39.3 | 35 | 1.12 | 0.5 | 0.0 | Signal | A | | A |
| PENNSYLVANIA - NB | Skidaway to Gwinnett | 5117001 | 5117 | 3432.4 | AM | 30.8 | 30 | 1.03 | 3.2 | 2.5 | Signal | A | | A |
| PENNSYLVANIA - NB | Skidaway to Gwinnett | 5117001 | 5117 | 3432.4 | MD | 30.9 | 30 | 1.03 | 0.0 | 0.0 | Signal | A | | A |
| PENNSYLVANIA - NB | Skidaway to Gwinnett | 5117001 | 5117 | 3432.4 | PM | 26.9 | 30 | 0.90 | 11.7 | 4.5 | Signal | B | | B |
| PENNSYLVANIA - NB | Gwinnett to Capital | 5117002 | 5117 | 2779 | AM | 31.0 | 25 | 1.24 | 3.0 | 2.8 | Signal | A | | A |
| PENNSYLVANIA - NB | Gwinnett to Capital | 5117002 | 5117 | 2779 | MD | 31.3 | 25 | 1.25 | 0.0 | 4.5 | Signal | A | | A |
| PENNSYLVANIA - NB | Gwinnett to Capital | 5117002 | 5117 | 2779 | PM | 23.6 | 25 | 0.94 | 8.3 | 5.8 | Signal | A | | A |
| PENNSYLVANIA - NB | Capital to Islands Expressway | 5117003 | 5117 | 1858.6 | AM | 19.5 | 30 | 0.65 | 22.2 | 7.5 | Signal | C | | C |
| PENNSYLVANIA - NB | Capital to Islands Expressway | 5117003 | 5117 | 1858.6 | MD | 19.9 | 30 | 0.66 | 21.4 | 12.0 | Signal | C | | C |
| PENNSYLVANIA - NB | Capital to Islands Expressway | 5117003 | 5117 | 1858.6 | PM | 13.8 | 30 | 0.46 | 63.8 | 45.5 | Signal | E | Minor Approach at Bay | Cross Street Delay Expected |
| PENNSYLVANIA - SB | Islands Expressway to Capital | 5118001 | 5118 | 1858.6 | AM | 32.1 | 29 | 1.10 | 0.5 | 0.0 | Signal | A | | A |
| PENNSYLVANIA - SB | Islands Expressway to Capital | 5118001 | 5118 | 1858.6 | MD | 27.1 | 30 | 0.90 | 9.9 | 7.5 | Signal | A | | A |
| PENNSYLVANIA - SB | Islands Expressway to Capital | 5118001 | 5118 | 1858.6 | PM | 18.1 | 30 | 0.60 | 58.4 | 16.3 | Signal | E | Signal Operations at Capital | Signal Operations - at Capital |
| PENNSYLVANIA - SB | Capital to Gwinnett | 5118002 | 5118 | 2778.9 | AM | 30.4 | 25 | 1.22 | 1.6 | 2.3 | Signal | A | | A |
| PENNSYLVANIA - SB | Capital to Gwinnett | 5118002 | 5118 | 2778.9 | MD | 32.8 | 25 | 1.31 | 0.0 | 3.0 | Signal | A | | A |
| PENNSYLVANIA - SB | Capital to Gwinnett | 5118002 | 5118 | 2778.9 | PM | 25.4 | 25 | 1.02 | 5.8 | 1.3 | Signal | A | | A |
| PENNSYLVANIA - SB | Gwinnett to Skidaway | 5118003 | 5118 | 3432.5 | AM | 26.5 | 30 | 0.88 | 13.0 | 9.5 | Signal | B | | B |
| PENNSYLVANIA - SB | Gwinnett to Skidaway | 5118003 | 5118 | 3432.5 | MD | 29.9 | 30 | 1.00 | 0.7 | 1.0 | Signal | A | | A |
| PENNSYLVANIA - SB | Gwinnett to Skidaway | 5118003 | 5118 | 3432.5 | PM | 26.0 | 30 | 0.87 | 12.9 | 7.5 | Signal | B | | B |
| TIBET - EB | Middleground to Largo | 5121001 | 5121 | 2293.8 | AM | 27.7 | 30 | 0.92 | 5.6 | 0.3 | Signal | A | | A |
| TIBET - EB | Middleground to Largo | 5121001 | 5121 | 2293.8 | MD | 25.0 | 30 | 0.83 | 10.2 | 2.0 | Signal | B | | B |
| TIBET - EB | Middleground to Largo | 5121001 | 5121 | 2293.8 | PM | 24.2 | 30 | 0.81 | 12.4 | 5.0 | Signal | B | | B |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | AM | 23.5 | 30 | 0.79 | 34.8 | 28.3 | AWSC | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | MD | 25.2 | 35 | 0.72 | 37.7 | 25.0 | AWSC | E | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - EB | Largo to Abercorn | 5121002 | 5121 | 4218.9 | PM | 17.6 | 35 | 0.50 | 82.4 | 56.3 | AWSC | F | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - EB | Abercorn to White Bluff | 5121003 | 5121 | 704.2 | AM | 7.6 | 35 | 0.22 | 51.5 | 38.5 | Signal | D | Minor Approach at Bill White | Cross street delays expected |
| TIBET - EB | Abercorn to White Bluff | 5121003 | 5121 | 704.2 | MD | 13.0 | 35 | 0.37 | 37.3 | 26.7 | Signal | D | Minor Approach at Bill White | Cross street delays expected |
| TIBET - EB | Abercorn to White Bluff | 5121003 | 5121 | 704.2 | PM | 15.7 | 35 | 0.45 | 25.5 | 9.7 | Signal | C | | C |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | AM | 7.4 | 35 | 0.21 | 77.8 | 61.0 | Signal | E | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | MD | 11.9 | 35 | 0.34 | 48.0 | 35.0 | Signal | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - WB | White Bluff to Abercorn | 5122001 | 5122 | 704.2 | PM | 13.9 | 35 | 0.40 | 52.2 | 38.7 | Signal | D | Minor Approach at Abercorn | TIP #532570 for Intersection Improvement |
| TIBET - WB | Abercorn to Largo | 5122002 | 5122 | 4218.9 | AM | 31.0 | 35 | 0.89 | 12.4 | 2.8 | Signal | B | | B |
| TIBET - WB | Abercorn to Largo | 5122002 | 5122 | 4218.9 | MD | 30.8 | 35 | 0.88 | 16.1 | 2.0 | Signal | B | | B |
| TIBET - WB | Abercorn to Largo | 5122002 | 5122 | 4218.9 | PM | 30.2 | 35 | 0.86 | 13.7 | 4.5 | Signal | B | | B |
| TIBET - WB | Largo to Middleground | 5122003 | 5122 | 2293.9 | AM | 21.3 | 30 | 0.71 | 25.0 | 22.0 | AWSC | C | | C |
| TIBET - WB | Largo to Middleground | 5122003 | 5122 | 2293.9 | MD | 23.7 | 30 | 0.79 | 14.9 | 10.0 | AWSC | B | | B |
| TIBET - WB | Largo to Middleground | 5122003 | 5122 | 2293.9 | PM | 20.9 | 30 | 0.70 | 26.1 | 19.8 | AWSC | D | Minor Approach at Middleground | Cross Street Delay Expected |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Cornus | 5123001 | 5123 | 4371.8 | AM | 29.6 | 25 | 1.18 | 3.7 | 7.2 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Cornus | 5123001 | 5123 | 4371.8 | MD | 32.1 | 25 | 1.29 | 0.0 | 1.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Cornus | 5123001 | 5123 | 4371.8 | PM | 28.3 | 25 | 1.13 | 3.1 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Cornus to Norwood | 5123002 | 5123 | 5033.7 | AM | 37.8 | 35 | 1.08 | 0.7 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Cornus to Norwood | 5123002 | 5123 | 5033.7 | MD | 36.3 | 35 | 1.04 | 1.1 | 0.0 | Cross Street | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|------------------------------|---|
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Cornus to Norwood | 5123002 | 5123 | 5033.7 | PM | 36.1 | 35 | 1.03 | 4.4 | 0.2 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Norwood to Nottingham | 5123003 | 5123 | 1777.6 | AM | 37.1 | 35 | 1.06 | 0.0 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Norwood to Nottingham | 5123003 | 5123 | 1777.6 | MD | 34.2 | 35 | 0.98 | 2.8 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Norwood to Nottingham | 5123003 | 5123 | 1777.6 | PM | 33.1 | 35 | 0.95 | 3.3 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Nottingham to Jasmine | 5123004 | 5123 | 5398.5 | AM | 34.3 | 35 | 0.98 | 6.6 | 5.6 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Nottingham to Jasmine | 5123004 | 5123 | 5398.5 | MD | 36.6 | 35 | 1.05 | 2.0 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Nottingham to Jasmine | 5123004 | 5123 | 5398.5 | PM | 35.0 | 35 | 1.00 | 5.0 | 2.3 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Jasmine to DeRenne | 5123005 | 5123 | 724.7 | AM | 23.3 | 35 | 0.67 | 8.5 | 2.6 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Jasmine to DeRenne | 5123005 | 5123 | 724.7 | MD | 37.3 | 35 | 1.07 | 0.4 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Jasmine to DeRenne | 5123005 | 5123 | 724.7 | PM | 23.6 | 35 | 0.67 | 8.7 | 1.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | DeRenne to Skidaway | 5123006 | 5123 | 3966.4 | AM | 25.7 | 35 | 0.73 | 33.8 | 19.6 | Signal | C | | C |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | DeRenne to Skidaway | 5123006 | 5123 | 3966.4 | MD | 27.9 | 35 | 0.80 | 35.2 | 27.7 | Signal | D | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway, will improve with Skidaway widening. Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | DeRenne to Skidaway | 5123006 | 5123 | 3966.4 | PM | 19.7 | 35 | 0.56 | 62.8 | 39.0 | Signal | E | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway, will improve with Skidaway widening. Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Harry Truman NB Ramp | 5123007 | 5123 | 4533.9 | AM | 31.4 | 30 | 1.05 | 2.1 | 4.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Harry Truman NB Ramp | 5123007 | 5123 | 4533.9 | MD | 33.8 | 30 | 1.13 | 1.5 | 4.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Skidaway to Harry Truman NB Ramp | 5123007 | 5123 | 4533.9 | PM | 31.3 | 30 | 1.04 | 2.7 | 2.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5123008 | 5123 | 1065.4 | AM | 22.5 | 30 | 0.75 | 11.2 | 7.5 | Signal | B | | B |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5123008 | 5123 | 1065.4 | MD | 26.9 | 30 | 0.90 | 7.0 | 3.7 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5123008 | 5123 | 1065.4 | PM | 34.8 | 30 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman SB Ramp to Waters | 5123009 | 5123 | 1724.7 | AM | 19.5 | 30 | 0.65 | 21.4 | 13.8 | Signal | C | | C |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman SB Ramp to Waters | 5123009 | 5123 | 1724.7 | MD | 20.4 | 30 | 0.68 | 20.6 | 13.7 | Signal | C | | C |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - NB | Harry Truman SB Ramp to Waters | 5123009 | 5123 | 1724.7 | PM | 20.7 | 30 | 0.69 | 21.1 | 15.3 | Signal | C | | C |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Waters to Harry Truman SB Ramp | 5124001 | 5124 | 1724.7 | AM | 27.9 | 30 | 0.93 | 3.5 | 1.8 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Waters to Harry Truman SB Ramp | 5124001 | 5124 | 1724.7 | MD | 27.8 | 30 | 0.93 | 3.1 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Waters to Harry Truman SB Ramp | 5124001 | 5124 | 1724.7 | PM | 22.6 | 30 | 0.75 | 15.2 | 9.5 | Signal | B | | B |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5124002 | 5124 | 1065.4 | AM | 35.9 | 30 | 1.20 | 0.0 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5124002 | 5124 | 1065.4 | MD | 31.8 | 30 | 1.06 | 0.0 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5124002 | 5124 | 1065.4 | PM | 36.2 | 30 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | AM | 21.5 | 30 | 0.72 | 46.9 | 35.3 | Signal | D | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening. Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | MD | 24.8 | 30 | 0.83 | 21.8 | 19.5 | Signal | C | | C |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Harry Truman NB Ramp to Skidaway | 5124003 | 5124 | 4533.9 | PM | 19.0 | 30 | 0.63 | 60.9 | 48.0 | Signal | E | Delays at Skidaway | Priority III - Operational between Waters and Skidaway, will improve with Skidaway widening. Optimize signal timing |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Skidaway to DeRenne | 5124004 | 5124 | 3966.4 | AM | 26.6 | 31 | 0.86 | 18.1 | 12.0 | Signal | B | | B |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Skidaway to DeRenne | 5124004 | 5124 | 3966.4 | MD | 30.9 | 35 | 0.88 | 11.1 | 2.5 | Signal | B | | B |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|-------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|------------------------------|--|
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Skidaway to DeRenne | 5124004 | 5124 | 3966.4 | PM | 25.3 | 35 | 0.72 | 36.4 | 16.0 | Signal | D | Delays at Skidaway and SR 21 | Priority II - Operational from City limits to Skidaway |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | DeRenne to Jasmine | 5124005 | 5124 | 724.7 | AM | 17.6 | 35 | 0.50 | 19.2 | 10.7 | Signal | B | | B |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | DeRenne to Jasmine | 5124005 | 5124 | 724.7 | MD | 23.5 | 35 | 0.67 | 9.6 | 3.3 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | DeRenne to Jasmine | 5124005 | 5124 | 724.7 | PM | 23.7 | 35 | 0.68 | 8.5 | 1.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Jasmine to Nottingham | 5124006 | 5124 | 5398.5 | AM | 37.2 | 35 | 1.06 | 11.1 | 4.3 | Signal | B | | B |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Jasmine to Nottingham | 5124006 | 5124 | 5398.5 | MD | 35.4 | 35 | 1.01 | 1.6 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Jasmine to Nottingham | 5124006 | 5124 | 5398.5 | PM | 32.9 | 35 | 0.94 | 9.6 | 0.0 | Signal | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Nottingham to Norwood | 5124007 | 5124 | 1777.6 | AM | 31.6 | 35 | 0.90 | 3.8 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Nottingham to Norwood | 5124007 | 5124 | 1777.6 | MD | 32.1 | 35 | 0.92 | 3.1 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Nottingham to Norwood | 5124007 | 5124 | 1777.6 | PM | 32.0 | 35 | 0.91 | 3.4 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Norwood to Cornus | 5124008 | 5124 | 5033.7 | AM | 33.8 | 35 | 0.96 | 3.6 | 0.8 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Norwood to Cornus | 5124008 | 5124 | 5033.7 | MD | 34.6 | 35 | 0.99 | 4.6 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Norwood to Cornus | 5124008 | 5124 | 5033.7 | PM | 34.7 | 35 | 0.99 | 1.8 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Cornus to Skidaway | 5124009 | 5124 | 4371.8 | AM | 28.1 | 25 | 1.12 | 1.3 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Cornus to Skidaway | 5124009 | 5124 | 4371.8 | MD | 27.8 | 25 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| LA ROCHE/CAUSTON BLUFF/PARKERSBURG - SB | Cornus to Skidaway | 5124009 | 5124 | 4371.8 | PM | 25.9 | 25 | 1.04 | 0.0 | 0.0 | Cross Street | A | | A |
| BROUGHTON - EB | MLK to Montgomery | 5127001 | 5127 | 321.8 | AM | 13.4 | 25 | 0.54 | 9.9 | 4.3 | Signal | A | | A |
| BROUGHTON - EB | MLK to Montgomery | 5127001 | 5127 | 321.8 | MD | 11.4 | 25 | 0.46 | 21.7 | 14.5 | Signal | C | | C |
| BROUGHTON - EB | MLK to Montgomery | 5127001 | 5127 | 321.8 | PM | 11.5 | 25 | 0.46 | 15.5 | 7.4 | Signal | B | | B |
| BROUGHTON - EB | Montgomery to Jefferson | 5127002 | 5127 | 313.8 | AM | 16.1 | 25 | 0.64 | 6.9 | 2.5 | Signal | A | | A |
| BROUGHTON - EB | Montgomery to Jefferson | 5127002 | 5127 | 313.8 | MD | 17.9 | 25 | 0.72 | 3.2 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Montgomery to Jefferson | 5127002 | 5127 | 313.8 | PM | 16.3 | 25 | 0.65 | 6.3 | 1.0 | Signal | A | | A |
| BROUGHTON - EB | Jefferson to Barnard | 5127003 | 5127 | 371.1 | AM | 26.6 | 25 | 1.07 | 0.4 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Jefferson to Barnard | 5127003 | 5127 | 371.1 | MD | 9.1 | 25 | 0.36 | 25.2 | 15.5 | Signal | C | | C |
| BROUGHTON - EB | Jefferson to Barnard | 5127003 | 5127 | 371.1 | PM | 19.5 | 25 | 0.78 | 2.7 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Barnard to Whitaker | 5127004 | 5127 | 363.6 | AM | 23.6 | 25 | 0.94 | 1.0 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Barnard to Whitaker | 5127004 | 5127 | 363.6 | MD | 11.9 | 25 | 0.48 | 22.0 | 13.0 | Signal | C | | C |
| BROUGHTON - EB | Barnard to Whitaker | 5127004 | 5127 | 363.6 | PM | 10.9 | 25 | 0.44 | 18.8 | 12.0 | Signal | B | | B |
| BROUGHTON - EB | Whitaker to Bull | 5127005 | 5127 | 370.5 | AM | 25.0 | 25 | 1.00 | 0.4 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Whitaker to Bull | 5127005 | 5127 | 370.5 | MD | 17.0 | 25 | 0.68 | 5.5 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Whitaker to Bull | 5127005 | 5127 | 370.5 | PM | 12.8 | 25 | 0.51 | 18.0 | 6.6 | Signal | B | | B |
| BROUGHTON - EB | Bull to Drayton | 5127006 | 5127 | 354.8 | AM | 14.5 | 25 | 0.58 | 13.7 | 10.0 | Signal | B | | B |
| BROUGHTON - EB | Bull to Drayton | 5127006 | 5127 | 354.8 | MD | 22.2 | 25 | 0.89 | 1.9 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Bull to Drayton | 5127006 | 5127 | 354.8 | PM | 19.0 | 25 | 0.76 | 4.1 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Drayton to Abercorn | 5127007 | 5127 | 372.4 | AM | 23.6 | 25 | 0.95 | 1.2 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Drayton to Abercorn | 5127007 | 5127 | 372.4 | MD | 6.7 | 25 | 0.27 | 26.9 | 16.0 | Signal | C | | C |
| BROUGHTON - EB | Drayton to Abercorn | 5127007 | 5127 | 372.4 | PM | 13.7 | 25 | 0.55 | 16.5 | 10.4 | Signal | B | | B |
| BROUGHTON - EB | Abercorn to Lincoln | 5127008 | 5127 | 368.3 | AM | 26.9 | 25 | 1.08 | 0.3 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Abercorn to Lincoln | 5127008 | 5127 | 368.3 | MD | 29.7 | 25 | 1.19 | 0.0 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Abercorn to Lincoln | 5127008 | 5127 | 368.3 | PM | 21.2 | 25 | 0.85 | 2.3 | 0.0 | Signal | A | | A |
| BROUGHTON - EB | Lincoln to Price | 5127009 | 5127 | 606.8 | AM | 16.4 | 25 | 0.66 | 17.6 | 14.5 | Cross Street | C | | C |
| BROUGHTON - EB | Lincoln to Price | 5127009 | 5127 | 606.8 | MD | 16.2 | 25 | 0.65 | 13.1 | 10.0 | Cross Street | C | | C |
| BROUGHTON - EB | Lincoln to Price | 5127009 | 5127 | 606.8 | PM | 13.2 | 25 | 0.53 | 17.3 | 12.8 | Cross Street | C | | C |
| BROUGHTON - EB | Price to East Broad St | 5127010 | 5127 | 637.6 | AM | 15.3 | 25 | 0.61 | 12.2 | 6.5 | Signal | B | | B |
| BROUGHTON - EB | Price to East Broad St | 5127010 | 5127 | 637.6 | MD | 18.4 | 25 | 0.74 | 7.3 | 2.5 | Signal | A | | A |
| BROUGHTON - EB | Price to East Broad St | 5127010 | 5127 | 637.6 | PM | 17.5 | 25 | 0.70 | 7.8 | 0.6 | Signal | A | | A |
| BROUGHTON - WB | East Broad St to Price | 5128002 | 5128 | 637.5 | AM | 17.5 | 25 | 0.70 | 8.7 | 4.3 | Signal | A | | A |
| BROUGHTON - WB | East Broad St to Price | 5128002 | 5128 | 637.5 | MD | 19.6 | 25 | 0.78 | 16.6 | 12.0 | Signal | B | | B |
| BROUGHTON - WB | East Broad St to Price | 5128002 | 5128 | 637.5 | PM | 12.7 | 25 | 0.51 | 18.0 | 9.5 | Signal | B | | B |
| BROUGHTON - WB | Price to Lincoln | 5128003 | 5128 | 606.8 | AM | 25.3 | 25 | 1.01 | 1.4 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Price to Lincoln | 5128003 | 5128 | 606.8 | MD | 26.7 | 25 | 1.07 | 1.9 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Price to Lincoln | 5128003 | 5128 | 606.8 | PM | 18.7 | 25 | 0.75 | 5.9 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Lincoln to Abercorn | 5128004 | 5128 | 368.4 | AM | 14.8 | 25 | 0.59 | 10.6 | 6.8 | Cross Street | C | | C |
| BROUGHTON - WB | Lincoln to Abercorn | 5128004 | 5128 | 368.4 | MD | 15.4 | 25 | 0.61 | 6.6 | 0.0 | Cross Street | C | | C |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|--|
| BROUGHTON - WB | Lincoln to Abercorn | 5128004 | 5128 | 368.4 | PM | 16.0 | 25 | 0.64 | 9.7 | 9.7 | Cross Street | C | | C |
| BROUGHTON - WB | Abercorn to Drayton | 5128005 | 5128 | 372.3 | AM | 18.4 | 25 | 0.73 | 7.0 | 3.8 | Signal | A | | A |
| BROUGHTON - WB | Abercorn to Drayton | 5128005 | 5128 | 372.3 | MD | 4.8 | 25 | 0.19 | 41.3 | 27.0 | Signal | D | Urban Core | Delays acceptable in Urban Core, Optimize signal to desired conditions |
| BROUGHTON - WB | Abercorn to Drayton | 5128005 | 5128 | 372.3 | PM | 17.5 | 25 | 0.70 | 4.4 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Drayton to Bull | 5128006 | 5128 | 354.8 | AM | 21.7 | 25 | 0.87 | 1.9 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Drayton to Bull | 5128006 | 5128 | 354.8 | MD | 16.3 | 25 | 0.65 | 8.0 | 3.5 | Signal | A | | A |
| BROUGHTON - WB | Drayton to Bull | 5128006 | 5128 | 354.8 | PM | 13.0 | 25 | 0.52 | 16.0 | 18.5 | Signal | B | | B |
| BROUGHTON - WB | Bull to Whitaker | 5128007 | 5128 | 370.5 | AM | 24.5 | 25 | 0.98 | 0.1 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Bull to Whitaker | 5128007 | 5128 | 370.5 | MD | 18.8 | 25 | 0.75 | 3.4 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Bull to Whitaker | 5128007 | 5128 | 370.5 | PM | 12.9 | 25 | 0.52 | 15.7 | 8.2 | Signal | B | | B |
| BROUGHTON - WB | Whitaker to Barnard | 5128008 | 5128 | 363.6 | AM | 11.5 | 25 | 0.46 | 14.3 | 8.8 | Signal | B | | B |
| BROUGHTON - WB | Whitaker to Barnard | 5128008 | 5128 | 363.6 | MD | 19.1 | 25 | 0.77 | 4.7 | 3.0 | Signal | A | | A |
| BROUGHTON - WB | Whitaker to Barnard | 5128008 | 5128 | 363.6 | PM | 19.7 | 25 | 0.79 | 4.4 | 5.5 | Signal | A | | A |
| BROUGHTON - WB | Barnard to Jefferson | 5128009 | 5128 | 371.1 | AM | 16.5 | 25 | 0.66 | 10.2 | 6.0 | Signal | B | | B |
| BROUGHTON - WB | Barnard to Jefferson | 5128009 | 5128 | 371.1 | MD | 18.6 | 25 | 0.75 | 5.8 | 3.0 | Signal | A | | A |
| BROUGHTON - WB | Barnard to Jefferson | 5128009 | 5128 | 371.1 | PM | 15.6 | 25 | 0.62 | 13.3 | 8.5 | Signal | B | | B |
| BROUGHTON - WB | Jefferson to Montgomery | 5128010 | 5128 | 313.8 | AM | 23.9 | 25 | 0.96 | 1.0 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Jefferson to Montgomery | 5128010 | 5128 | 313.8 | MD | 23.2 | 25 | 0.93 | 1.3 | 0.0 | Signal | A | | A |
| BROUGHTON - WB | Jefferson to Montgomery | 5128010 | 5128 | 313.8 | PM | 13.0 | 25 | 0.52 | 12.9 | 5.8 | Signal | B | | B |
| BROUGHTON - WB | Montgomery to MLK | 5128011 | 5128 | 321.8 | AM | 17.1 | 25 | 0.69 | 5.6 | 2.0 | Signal | A | | A |
| BROUGHTON - WB | Montgomery to MLK | 5128011 | 5128 | 321.8 | MD | 9.1 | 25 | 0.36 | 16.3 | 10.5 | Signal | B | | B |
| BROUGHTON - WB | Montgomery to MLK | 5128011 | 5128 | 321.8 | PM | 11.9 | 25 | 0.48 | 15.3 | 13.8 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | I-516 WB Ramp to Milsby Lane | 5129001 | 5129 | 577.2 | AM | 19.0 | 35 | 0.54 | 14.2 | 6.8 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | I-516 WB Ramp to Milsby Lane | 5129001 | 5129 | 577.2 | MD | 41.3 | 35 | 1.18 | 0.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | I-516 WB Ramp to Milsby Lane | 5129001 | 5129 | 577.2 | PM | 28.2 | 35 | 0.81 | 3.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Milsby Lane to Stiles | 5129002 | 5129 | 4420.9 | AM | 38.6 | 35 | 1.10 | 2.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Milsby Lane to Stiles | 5129002 | 5129 | 4420.9 | MD | 42.3 | 35 | 1.21 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Milsby Lane to Stiles | 5129002 | 5129 | 4420.9 | PM | 36.3 | 35 | 1.04 | 4.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Stiles to Hopkins | 5129003 | 5129 | 3300.2 | AM | 35.3 | 35 | 1.01 | 3.8 | 0.9 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Stiles to Hopkins | 5129003 | 5129 | 3300.2 | MD | 42.2 | 35 | 1.21 | 0.6 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Stiles to Hopkins | 5129003 | 5129 | 3300.2 | PM | 35.3 | 35 | 1.01 | 2.0 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Hopkins to MLK | 5129004 | 5129 | 2423.5 | AM | 33.2 | 35 | 0.95 | 7.9 | 3.4 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Hopkins to MLK | 5129004 | 5129 | 2423.5 | MD | 34.0 | 35 | 0.97 | 5.8 | 4.4 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Hopkins to MLK | 5129004 | 5129 | 2423.5 | PM | 29.0 | 35 | 0.83 | 11.5 | 5.5 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | MLK to Montgomery | 5129005 | 5129 | 364.4 | AM | 19.4 | 35 | 0.55 | 10.9 | 5.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | MLK to Montgomery | 5129005 | 5129 | 364.4 | MD | 26.6 | 35 | 0.76 | 2.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | MLK to Montgomery | 5129005 | 5129 | 364.4 | PM | 12.5 | 35 | 0.36 | 18.8 | 8.8 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Montgomery to Barnard | 5129006 | 5129 | 683.1 | AM | 24.9 | 35 | 0.71 | 8.4 | 2.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Montgomery to Barnard | 5129006 | 5129 | 683.1 | MD | 30.1 | 35 | 0.86 | 2.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Montgomery to Barnard | 5129006 | 5129 | 683.1 | PM | 30.1 | 35 | 0.86 | 1.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Barnard to Whitaker | 5129007 | 5129 | 336.6 | AM | 31.5 | 35 | 0.90 | 1.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Barnard to Whitaker | 5129007 | 5129 | 336.6 | MD | 31.6 | 35 | 0.90 | 0.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Barnard to Whitaker | 5129007 | 5129 | 336.6 | PM | 29.8 | 35 | 0.85 | 1.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whitaker to Bull | 5129008 | 5129 | 280 | AM | 32.0 | 35 | 0.91 | 1.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whitaker to Bull | 5129008 | 5129 | 280 | MD | 31.8 | 35 | 0.91 | 1.7 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|--|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|---------------------------------------|--|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whitaker to Bull | 5129008 | 5129 | 280 | PM | 26.3 | 35 | 0.75 | 2.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull to Abercorn | 5129009 | 5129 | 817.4 | AM | 22.2 | 35 | 0.63 | 33.9 | 26.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull to Abercorn | 5129009 | 5129 | 817.4 | MD | 23.8 | 35 | 0.68 | 22.5 | 15.7 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull to Abercorn | 5129009 | 5129 | 817.4 | PM | 18.3 | 35 | 0.52 | 39.2 | 31.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Abercorn to Habersham | 5129010 | 5129 | 716 | AM | 25.7 | 35 | 0.73 | 8.4 | 4.5 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Abercorn to Habersham | 5129010 | 5129 | 716 | MD | 27.4 | 35 | 0.78 | 3.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Abercorn to Habersham | 5129010 | 5129 | 716 | PM | 35.4 | 35 | 1.01 | 0.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Habersham to Price | 5129011 | 5129 | 342 | AM | 37.4 | 35 | 1.07 | 0.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Habersham to Price | 5129011 | 5129 | 342 | MD | 32.0 | 35 | 0.91 | 1.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Habersham to Price | 5129011 | 5129 | 342 | PM | 37.2 | 35 | 1.06 | 0.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Price to Reynolds | 5129012 | 5129 | 956.1 | AM | 33.0 | 34 | 0.97 | 7.6 | 4.6 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Price to Reynolds | 5129012 | 5129 | 956.1 | MD | 36.3 | 35 | 1.04 | 2.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Price to Reynolds | 5129012 | 5129 | 956.1 | PM | 28.1 | 35 | 0.80 | 8.7 | 1.8 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Reynolds to Paulsen | 5129013 | 5129 | 1358.6 | AM | 29.5 | 31 | 0.95 | 8.2 | 6.6 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Reynolds to Paulsen | 5129013 | 5129 | 1358.6 | MD | 34.4 | 35 | 0.98 | 1.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Reynolds to Paulsen | 5129013 | 5129 | 1358.6 | PM | 29.2 | 35 | 0.84 | 5.9 | 2.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Paulsen to Waters | 5129014 | 5129 | 1255.7 | AM | 16.3 | 31 | 0.53 | 24.5 | 16.4 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Paulsen to Waters | 5129014 | 5129 | 1255.7 | MD | 15.8 | 35 | 0.45 | 29.0 | 20.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Paulsen to Waters | 5129014 | 5129 | 1255.7 | PM | 16.8 | 35 | 0.48 | 40.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Waters to Bee Rd | 5129015 | 5129 | 2834.3 | AM | 28.7 | 38 | 0.76 | 25.6 | 14.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Waters to Bee Rd | 5129015 | 5129 | 2834.3 | MD | 28.4 | 40 | 0.71 | 19.8 | 10.7 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Waters to Bee Rd | 5129015 | 5129 | 2834.3 | PM | 29.8 | 40 | 0.75 | 17.2 | 4.5 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bee Rd to Harry Truman SB Ramp | 5129016 | 5129 | 2149.2 | AM | 21.3 | 40 | 0.53 | 33.9 | 16.6 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bee Rd to Harry Truman SB Ramp | 5129016 | 5129 | 2149.2 | MD | 30.9 | 40 | 0.77 | 27.1 | 18.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bee Rd to Harry Truman SB Ramp | 5129016 | 5129 | 2149.2 | PM | 18.1 | 40 | 0.45 | 49.5 | 30.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5129017 | 5129 | 299.2 | AM | 27.9 | 40 | 0.70 | 1.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5129017 | 5129 | 299.2 | MD | 34.4 | 40 | 0.86 | 1.5 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman SB Ramp to Harry Truman NB Ramp | 5129017 | 5129 | 299.2 | PM | 27.3 | 40 | 0.68 | 1.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman NB Ramp to Walin | 5129018 | 5129 | 615.4 | AM | 26.2 | 40 | 0.65 | 6.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman NB Ramp to Walin | 5129018 | 5129 | 615.4 | MD | 31.0 | 40 | 0.77 | 2.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Harry Truman NB Ramp to Walin | 5129018 | 5129 | 615.4 | PM | 26.7 | 40 | 0.67 | 5.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Walin to Skidaway | 5129019 | 5129 | 1174.6 | AM | 33.5 | 40 | 0.84 | 4.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Walin to Skidaway | 5129019 | 5129 | 1174.6 | MD | 10.8 | 40 | 0.27 | 52.5 | 34.3 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|---|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Walton to Skidaway | 5129019 | 5129 | 1174.6 | PM | 11.3 | 40 | 0.28 | 75.3 | 45.5 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Skidaway to Commercial Driveway | 5129020 | 5129 | 542.2 | AM | 35.3 | 40 | 0.88 | 2.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Skidaway to Commercial Driveway | 5129020 | 5129 | 542.2 | MD | 31.0 | 40 | 0.78 | 2.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Skidaway to Commercial Driveway | 5129020 | 5129 | 542.2 | PM | 28.7 | 40 | 0.72 | 3.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Commercial Driveway to Thunderbolt City Limit | 5129021 | 5129 | 2207.9 | AM | 41.1 | 40 | 1.03 | 2.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Commercial Driveway to Thunderbolt City Limit | 5129021 | 5129 | 2207.9 | MD | 40.7 | 40 | 1.02 | 1.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Commercial Driveway to Thunderbolt City Limit | 5129021 | 5129 | 2207.9 | PM | 39.0 | 40 | 0.97 | 1.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Thunderbolt City Limit to Whatley | 5129022 | 5129 | 609.8 | AM | 22.5 | 35 | 0.64 | 19.1 | 14.2 | Cross Street | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Thunderbolt City Limit to Whatley | 5129022 | 5129 | 609.8 | MD | 15.3 | 35 | 0.44 | 23.6 | 17.3 | Cross Street | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Thunderbolt City Limit to Whatley | 5129022 | 5129 | 609.8 | PM | 16.0 | 35 | 0.46 | 35.5 | 24.0 | Cross Street | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whatley to Mechanics | 5129023 | 5129 | 818.2 | AM | 34.8 | 35 | 0.99 | 1.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whatley to Mechanics | 5129023 | 5129 | 818.2 | MD | 37.1 | 35 | 1.06 | 0.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Whatley to Mechanics | 5129023 | 5129 | 818.2 | PM | 25.4 | 35 | 0.72 | 10.0 | 1.8 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Mechanics to River | 5129024 | 5129 | 1048.4 | AM | 40.9 | 35 | 1.17 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Mechanics to River | 5129024 | 5129 | 1048.4 | MD | 35.3 | 35 | 1.01 | 0.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Mechanics to River | 5129024 | 5129 | 1048.4 | PM | 27.0 | 35 | 0.77 | 5.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | River to Gray Creek | 5129025 | 5129 | 6175.2 | AM | 50.4 | 45 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | River to Gray Creek | 5129025 | 5129 | 6175.2 | MD | 50.8 | 45 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | River to Gray Creek | 5129025 | 5129 | 6175.2 | PM | 46.9 | 45 | 1.04 | 1.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Gray Creek to Johnny Mercer | 5129026 | 5129 | 2816.7 | AM | 36.1 | 55 | 0.66 | 35.9 | 27.0 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Gray Creek to Johnny Mercer | 5129026 | 5129 | 2816.7 | MD | 39.5 | 55 | 0.72 | 14.8 | 8.3 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Gray Creek to Johnny Mercer | 5129026 | 5129 | 2816.7 | PM | 49.0 | 55 | 0.89 | 4.3 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to White Marsh | 5129027 | 5129 | 3924.1 | AM | 29.4 | 55 | 0.53 | 49.8 | 29.0 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to White Marsh | 5129027 | 5129 | 3924.1 | MD | 49.1 | 55 | 0.89 | 6.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to White Marsh | 5129027 | 5129 | 3924.1 | PM | 33.6 | 55 | 0.61 | 34.9 | 18.8 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | White Marsh to US 80 | 5129028 | 5129 | 1952.1 | AM | 41.4 | 55 | 0.75 | 7.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | White Marsh to US 80 | 5129028 | 5129 | 1952.1 | MD | 52.0 | 55 | 0.95 | 3.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | White Marsh to US 80 | 5129028 | 5129 | 1952.1 | PM | 40.7 | 55 | 0.74 | 8.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | US 80 to Bryan Woods Rd | 5129029 | 5129 | 4868.5 | AM | 49.0 | 48 | 1.03 | 5.6 | 4.8 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | US 80 to Bryan Woods Rd | 5129029 | 5129 | 4868.5 | MD | 49.4 | 48 | 1.04 | 9.8 | 5.7 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | US 80 to Bryan Woods Rd | 5129029 | 5129 | 4868.5 | PM | 44.1 | 48 | 0.92 | 10.4 | 7.3 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bryan Woods Rd to Suncrest | 5129030 | 5129 | 3468 | AM | 51.2 | 45 | 1.14 | 0.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bryan Woods Rd to Suncrest | 5129030 | 5129 | 3468 | MD | 47.2 | 45 | 1.05 | 1.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|-----------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|-------------------|----------------------|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bryan Woods Rd to Suncrest | 5129030 | 5129 | 3468 | PM | 49.1 | 45 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Suncrest to Quarterman | 5129031 | 5129 | 2628.2 | AM | 51.8 | 45 | 1.15 | 1.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Suncrest to Quarterman | 5129031 | 5129 | 2628.2 | MD | 47.4 | 45 | 1.05 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Suncrest to Quarterman | 5129031 | 5129 | 2628.2 | PM | 46.5 | 45 | 1.03 | 1.7 | 1.7 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Quarterman to Johnny Mercer | 5129032 | 5129 | 2602.3 | AM | 29.6 | 45 | 0.66 | 23.3 | 16.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Quarterman to Johnny Mercer | 5129032 | 5129 | 2602.3 | MD | 47.5 | 45 | 1.05 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Quarterman to Johnny Mercer | 5129032 | 5129 | 2602.3 | PM | 35.1 | 45 | 0.78 | 16.3 | 10.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to Bull River | 5129033 | 5129 | 2181.4 | AM | 46.2 | 45 | 1.03 | 0.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to Bull River | 5129033 | 5129 | 2181.4 | MD | 47.9 | 45 | 1.07 | 0.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Johnny Mercer to Bull River | 5129033 | 5129 | 2181.4 | PM | 40.4 | 45 | 0.90 | 3.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull River to Bridge | 5129034 | 5129 | 26374.7 | AM | 58.2 | 55 | 1.06 | 14.3 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull River to Bridge | 5129034 | 5129 | 26374.7 | MD | 55.9 | 55 | 1.02 | 17.6 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bull River to Bridge | 5129034 | 5129 | 26374.7 | PM | 54.1 | 55 | 0.98 | 7.1 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bridge to S. Campbell St | 5129035 | 5129 | 11786.1 | AM | 48.6 | 41 | 1.19 | 0.0 | 1.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bridge to S. Campbell St | 5129035 | 5129 | 11786.1 | MD | 45.7 | 41 | 1.12 | 1.6 | 3.3 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Bridge to S. Campbell St | 5129035 | 5129 | 11786.1 | PM | 42.8 | 41 | 1.05 | 0.2 | 6.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | S. Campbell St to Jones | 5129036 | 5129 | 2032 | AM | 40.6 | 35 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | S. Campbell St to Jones | 5129036 | 5129 | 2032 | MD | 39.0 | 35 | 1.11 | 0.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | S. Campbell St to Jones | 5129036 | 5129 | 2032 | PM | 28.7 | 35 | 0.82 | 12.6 | 5.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Jones to 14th St | 5129037 | 5129 | 7219.9 | AM | 28.4 | 34 | 0.83 | 29.3 | 9.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Jones to 14th St | 5129037 | 5129 | 7219.9 | MD | 31.9 | 34 | 0.93 | 10.5 | 0.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | Jones to 14th St | 5129037 | 5129 | 7219.9 | PM | 29.5 | 34 | 0.86 | 24.7 | 4.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | 14th St to End of Route | 5129038 | 5129 | 1092.2 | AM | 23.3 | 30 | 0.78 | 7.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | 14th St to End of Route | 5129038 | 5129 | 1092.2 | MD | 28.7 | 30 | 0.96 | 1.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - EB | 14th St to End of Route | 5129038 | 5129 | 1092.2 | PM | 21.0 | 30 | 0.70 | 10.2 | 0.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | End of Route to 14th St | 5130002 | 5130 | 1092.2 | AM | 19.5 | 30 | 0.65 | 24.9 | 18.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | End of Route to 14th St | 5130002 | 5130 | 1092.2 | MD | 18.4 | 30 | 0.61 | 14.9 | 3.5 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | End of Route to 14th St | 5130002 | 5130 | 1092.2 | PM | 23.5 | 30 | 0.78 | 9.9 | 4.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | 14th St to Jones | 5130003 | 5130 | 7219.9 | AM | 33.0 | 34 | 0.96 | 5.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | 14th St to Jones | 5130003 | 5130 | 7219.9 | MD | 31.8 | 34 | 0.93 | 10.8 | 0.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | 14th St to Jones | 5130003 | 5130 | 7219.9 | PM | 30.6 | 34 | 0.90 | 21.5 | 14.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Jones to S. Campbell St | 5130004 | 5130 | 2032 | AM | 30.3 | 35 | 0.86 | 9.1 | 5.7 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Jones to S. Campbell St | 5130004 | 5130 | 2032 | MD | 43.7 | 35 | 1.25 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Jones to S. Campbell St | 5130004 | 5130 | 2032 | PM | 29.4 | 35 | 0.84 | 10.0 | 7.5 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | S. Campbell St to Bridge | 5130005 | 5130 | 11786.1 | AM | 46.5 | 41 | 1.14 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segment | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | S. Campbell St to Bridge | 5130005 | 5130 | 11786.1 | MD | 45.9 | 41 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | S. Campbell St to Bridge | 5130005 | 5130 | 11786.1 | PM | 46.3 | 41 | 1.13 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bridge to Bull River | 5130006 | 5130 | 26374.7 | AM | 56.9 | 55 | 1.03 | 6.5 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bridge to Bull River | 5130006 | 5130 | 26374.7 | MD | 58.9 | 55 | 1.07 | 4.3 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bridge to Bull River | 5130006 | 5130 | 26374.7 | PM | 55.3 | 55 | 1.01 | 9.2 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull River to Johnny Mercer | 5130007 | 5130 | 2181.4 | AM | 47.0 | 45 | 1.05 | 1.3 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull River to Johnny Mercer | 5130007 | 5130 | 2181.4 | MD | 52.3 | 45 | 1.16 | 0.0 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull River to Johnny Mercer | 5130007 | 5130 | 2181.4 | PM | 34.5 | 45 | 0.77 | 9.9 | 3.0 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Quarterman | 5130008 | 5130 | 2602.3 | AM | 38.4 | 45 | 0.85 | 13.7 | 11.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Quarterman | 5130008 | 5130 | 2602.3 | MD | 38.1 | 45 | 0.85 | 8.6 | 6.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Quarterman | 5130008 | 5130 | 2602.3 | PM | 33.7 | 45 | 0.75 | 14.2 | 6.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Quarterman to Suncrest | 5130009 | 5130 | 2628.2 | AM | 53.3 | 45 | 1.18 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Quarterman to Suncrest | 5130009 | 5130 | 2628.2 | MD | 50.3 | 45 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Quarterman to Suncrest | 5130009 | 5130 | 2628.2 | PM | 47.1 | 45 | 1.05 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Suncrest to Bryan Woods Rd | 5130010 | 5130 | 3468 | AM | 37.7 | 45 | 0.84 | 12.9 | 8.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Suncrest to Bryan Woods Rd | 5130010 | 5130 | 3468 | MD | 53.0 | 45 | 1.18 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Suncrest to Bryan Woods Rd | 5130010 | 5130 | 3468 | PM | 43.5 | 45 | 0.97 | 3.1 | 1.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bryan Woods Rd to US 80 | 5130011 | 5130 | 4868.5 | AM | 48.4 | 48 | 1.01 | 3.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bryan Woods Rd to US 80 | 5130011 | 5130 | 4868.5 | MD | 52.2 | 48 | 1.09 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bryan Woods Rd to US 80 | 5130011 | 5130 | 4868.5 | PM | 49.5 | 48 | 1.04 | 0.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | US 80 to White Marsh | 5130012 | 5130 | 1952.1 | AM | 36.0 | 55 | 0.65 | 12.6 | 0.0 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | US 80 to White Marsh | 5130012 | 5130 | 1952.1 | MD | 31.7 | 55 | 0.58 | 20.1 | 7.3 | Cross Street | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | US 80 to White Marsh | 5130012 | 5130 | 1952.1 | PM | 27.8 | 55 | 0.51 | 23.4 | 6.0 | Cross Street | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | White Marsh to Johnny Mercer | 5130013 | 5130 | 3924.1 | AM | 36.7 | 55 | 0.67 | 36.5 | 14.7 | Signal | D | Signal Operations - sufficient capacity | Coordinate signals between White Marsh and Johnny Mercer |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | White Marsh to Johnny Mercer | 5130013 | 5130 | 3924.1 | MD | 36.3 | 55 | 0.66 | 24.6 | 13.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | White Marsh to Johnny Mercer | 5130013 | 5130 | 3924.1 | PM | 49.2 | 55 | 0.90 | 5.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Gray Creek | 5130014 | 5130 | 2816.7 | AM | 52.4 | 55 | 0.95 | 2.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Gray Creek | 5130014 | 5130 | 2816.7 | MD | 51.0 | 55 | 0.93 | 2.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Johnny Mercer to Gray Creek | 5130014 | 5130 | 2816.7 | PM | 50.9 | 55 | 0.93 | 3.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Gray Creek to River | 5130015 | 5130 | 6175.2 | AM | 49.9 | 45 | 1.11 | 0.0 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Gray Creek to River | 5130015 | 5130 | 6175.2 | MD | 56.6 | 45 | 1.26 | 0.0 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Gray Creek to River | 5130015 | 5130 | 6175.2 | PM | 49.7 | 45 | 1.10 | 0.0 | 0.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | River to Mechanics | 5130016 | 5130 | 1048.4 | AM | 22.6 | 35 | 0.65 | 17.2 | 9.7 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | River to Mechanics | 5130016 | 5130 | 1048.4 | MD | 45.6 | 35 | 1.30 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | River to Mechanics | 5130016 | 5130 | 1048.4 | PM | 42.0 | 35 | 1.20 | 0.0 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|---|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---|--|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Mechanics to Whatley | 5130017 | 5130 | 818.2 | AM | 33.2 | 35 | 0.95 | 1.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Mechanics to Whatley | 5130017 | 5130 | 818.2 | MD | 40.4 | 35 | 1.15 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Mechanics to Whatley | 5130017 | 5130 | 818.2 | PM | 36.8 | 35 | 1.05 | 0.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whatley to Thunderbolt City Limit | 5130018 | 5130 | 609.9 | AM | 35.1 | 35 | 1.00 | 0.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whatley to Thunderbolt City Limit | 5130018 | 5130 | 609.9 | MD | 40.7 | 35 | 1.16 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whatley to Thunderbolt City Limit | 5130018 | 5130 | 609.9 | PM | 37.2 | 35 | 1.06 | 0.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Thunderbolt City Limit to Commercial Driveway | 5130019 | 5130 | 2207.9 | AM | 18.7 | 40 | 0.47 | 42.8 | 19.0 | Cross Street | D | Delay at Victory, sufficient capacity for all mvmnt | Coordinate signal with Skidaway |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Thunderbolt City Limit to Commercial Driveway | 5130019 | 5130 | 2207.9 | MD | 33.1 | 40 | 0.83 | 9.2 | 7.0 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Thunderbolt City Limit to Commercial Driveway | 5130019 | 5130 | 2207.9 | PM | 30.9 | 40 | 0.77 | 14.4 | 1.0 | Cross Street | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Commercial Driveway to Skidaway | 5130020 | 5130 | 542.1 | AM | 5.4 | 40 | 0.13 | 61.3 | 42.7 | Signal | E | Delay at Skidaway, sufficient capacity | Dedicated right turn bay both sides, coordinating Victory timing will improve int ops |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Commercial Driveway to Skidaway | 5130020 | 5130 | 542.1 | MD | 11.5 | 40 | 0.29 | 34.7 | 22.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Commercial Driveway to Skidaway | 5130020 | 5130 | 542.1 | PM | 16.1 | 40 | 0.40 | 20.4 | 7.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Skidaway to Walin | 5130021 | 5130 | 1174.6 | AM | 26.3 | 40 | 0.66 | 11.5 | 2.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Skidaway to Walin | 5130021 | 5130 | 1174.6 | MD | 20.5 | 40 | 0.51 | 20.6 | 6.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Skidaway to Walin | 5130021 | 5130 | 1174.6 | PM | 8.4 | 40 | 0.21 | 73.1 | 55.3 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Walin to Harry Truman NB Ramp | 5130022 | 5130 | 615.4 | AM | 27.9 | 40 | 0.70 | 4.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Walin to Harry Truman NB Ramp | 5130022 | 5130 | 615.4 | MD | 35.8 | 40 | 0.90 | 1.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Walin to Harry Truman NB Ramp | 5130022 | 5130 | 615.4 | PM | 32.7 | 40 | 0.82 | 2.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5130023 | 5130 | 299.2 | AM | 32.2 | 40 | 0.81 | 1.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5130023 | 5130 | 299.2 | MD | 44.9 | 40 | 1.12 | 0.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman NB Ramp to Harry Truman SB Ramp | 5130023 | 5130 | 299.2 | PM | 37.3 | 40 | 0.93 | 0.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman SB Ramp to Bee Rd | 5130024 | 5130 | 2149.2 | AM | 24.1 | 40 | 0.60 | 29.3 | 15.0 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman SB Ramp to Bee Rd | 5130024 | 5130 | 2149.2 | MD | 45.0 | 40 | 1.12 | 0.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Harry Truman SB Ramp to Bee Rd | 5130024 | 5130 | 2149.2 | PM | 40.5 | 40 | 1.01 | 1.2 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bee Rd to Waters | 5130025 | 5130 | 2834.3 | AM | 32.4 | 40 | 0.81 | 11.2 | 0.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bee Rd to Waters | 5130025 | 5130 | 2834.3 | MD | 33.7 | 40 | 0.84 | 8.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bee Rd to Waters | 5130025 | 5130 | 2834.3 | PM | 24.1 | 40 | 0.60 | 42.0 | 29.8 | Signal | D | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Waters to Paulsen | 5130026 | 5130 | 1255.7 | AM | 27.5 | 35 | 0.79 | 9.0 | 5.7 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Waters to Paulsen | 5130026 | 5130 | 1255.7 | MD | 29.8 | 35 | 0.85 | 8.6 | 4.5 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Waters to Paulsen | 5130026 | 5130 | 1255.7 | PM | 20.7 | 35 | 0.59 | 16.6 | 2.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Paulsen to Reynolds | 5130027 | 5130 | 1358.6 | AM | 32.6 | 35 | 0.93 | 2.0 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Paulsen to Reynolds | 5130027 | 5130 | 1358.6 | MD | 28.3 | 35 | 0.81 | 11.7 | 7.5 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Paulsen to Reynolds | 5130027 | 5130 | 1358.6 | PM | 21.4 | 35 | 0.61 | 18.2 | 6.7 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Reynolds to Price | 5130028 | 5130 | 956.2 | AM | 25.8 | 35 | 0.74 | 9.4 | 4.3 | Signal | A | | A |











| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|--------------|-----|---------------------------------------|--|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Reynolds to Price | 5130028 | 5130 | 956.2 | MD | 28.3 | 35 | 0.81 | 6.4 | 4.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Reynolds to Price | 5130028 | 5130 | 956.2 | PM | 31.0 | 35 | 0.89 | 2.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Price to Habersham | 5130029 | 5130 | 341.9 | AM | 21.1 | 35 | 0.60 | 7.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Price to Habersham | 5130029 | 5130 | 341.9 | MD | 27.6 | 35 | 0.79 | 1.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Price to Habersham | 5130029 | 5130 | 341.9 | PM | 18.9 | 35 | 0.54 | 11.0 | 7.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Habersham to Abercorn | 5130030 | 5130 | 716 | AM | 29.4 | 35 | 0.84 | 2.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Habersham to Abercorn | 5130030 | 5130 | 716 | MD | 19.0 | 35 | 0.54 | 33.3 | 26.5 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Habersham to Abercorn | 5130030 | 5130 | 716 | PM | 7.1 | 35 | 0.20 | 55.3 | 36.7 | Signal | E | Constrained Corridor - Victory/Canopy | Constrained Corridor - Optimizing Signal Operations will improve Victory and delays on cross streets |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Abercorn to Bull | 5130031 | 5130 | 817.4 | AM | 18.8 | 35 | 0.54 | 22.6 | 9.7 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Abercorn to Bull | 5130031 | 5130 | 817.4 | MD | 27.9 | 35 | 0.80 | 3.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Abercorn to Bull | 5130031 | 5130 | 817.4 | PM | 25.6 | 35 | 0.73 | 6.1 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull to Whitaker | 5130032 | 5130 | 280 | AM | 25.1 | 35 | 0.72 | 1.5 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull to Whitaker | 5130032 | 5130 | 280 | MD | 23.7 | 35 | 0.68 | 2.9 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Bull to Whitaker | 5130032 | 5130 | 280 | PM | 26.9 | 35 | 0.77 | 1.4 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whitaker to Barnard | 5130033 | 5130 | 336.6 | AM | 27.2 | 35 | 0.78 | 2.3 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whitaker to Barnard | 5130033 | 5130 | 336.6 | MD | 30.7 | 35 | 0.88 | 0.8 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Whitaker to Barnard | 5130033 | 5130 | 336.6 | PM | 27.2 | 35 | 0.78 | 1.7 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Barnard to Montgomery | 5130034 | 5130 | 683.1 | AM | 19.1 | 35 | 0.55 | 11.8 | 0.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Barnard to Montgomery | 5130034 | 5130 | 683.1 | MD | 22.0 | 35 | 0.63 | 9.5 | 4.3 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Barnard to Montgomery | 5130034 | 5130 | 683.1 | PM | 25.4 | 35 | 0.72 | 5.6 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Montgomery to MLK | 5130035 | 5130 | 364.4 | AM | 17.0 | 35 | 0.48 | 13.7 | 7.3 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Montgomery to MLK | 5130035 | 5130 | 364.4 | MD | 22.4 | 35 | 0.64 | 6.9 | 2.3 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Montgomery to MLK | 5130035 | 5130 | 364.4 | PM | 12.1 | 35 | 0.34 | 21.0 | 11.3 | Signal | C | | C |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | MLK to Hopkins | 5130036 | 5130 | 2423.5 | AM | 31.6 | 35 | 0.90 | 6.0 | 0.9 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | MLK to Hopkins | 5130036 | 5130 | 2423.5 | MD | 33.4 | 35 | 0.95 | 5.6 | 2.8 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | MLK to Hopkins | 5130036 | 5130 | 2423.5 | PM | 32.9 | 35 | 0.94 | 4.5 | 2.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | AM | 21.5 | 35 | 0.61 | 53.9 | 35.0 | Signal | D | Delays at intersection with Ogeechee | Study intersection for possible signalization |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | MD | 30.7 | 35 | 0.88 | 13.2 | 4.0 | Signal | B | | B |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Hopkins to Stiles | 5130037 | 5130 | 3300.2 | PM | 21.6 | 35 | 0.62 | 58.3 | 34.5 | Signal | E | Delays at intersection with Ogeechee | Study intersection for possible signalization |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Stiles to Milsby Lane | 5130038 | 5130 | 4420.9 | AM | 38.7 | 35 | 1.10 | 7.2 | 5.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Stiles to Milsby Lane | 5130038 | 5130 | 4420.9 | MD | 40.7 | 35 | 1.16 | 0.0 | 5.0 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Stiles to Milsby Lane | 5130038 | 5130 | 4420.9 | PM | 33.1 | 35 | 0.95 | 9.1 | 11.5 | Cross Street | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Milsby Lane to I-516 WB Ramp | 5130039 | 5130 | 577.2 | AM | 38.0 | 35 | 1.09 | 0.5 | 0.0 | Signal | A | | A |
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Milsby Lane to I-516 WB Ramp | 5130039 | 5130 | 577.2 | MD | 35.8 | 35 | 1.02 | 0.6 | 0.0 | Signal | A | | A |

| Route and Direction | Roadway Segement | Segment ID | Route ID | Distance (Feet) | Peak Hour | Average Segment Speed | Average Weighted Speed Limit | Congestion Index | Average Segment Delay (sec) | Average Stop Delay (sec) | Control | LOS | 2004 Observations | 2004 Recommendations |
|---|------------------------------|------------|----------|-----------------|-----------|-----------------------|------------------------------|------------------|-----------------------------|--------------------------|---------|-----|-------------------|----------------------|
| VICTORY/SAFOLD/ISLAND EXPRESSWAY/US 80 - WB | Milsby Lane to I-516 WB Ramp | 5130039 | 5130 | 577.2 | PM | 29.8 | 35 | 0.85 | 2.0 | 0.0 | Signal | A | | A |

APPENDIX B

Timings
3: Wilshire & White Bluff Road

Timing Plan: AM
1/21/2005

| |  |  |  |  |  | |
|---------------------|---|---|---|---|---|------|
| Lane Group | EBL | EBR | NBL | NBT | SBT | ø8 |
| Lane Configurations |  |  |  |  |  | |
| Volume (vph) | 31 | 21 | 63 | 1368 | 719 | |
| Turn Type | custom | | custom | pm+pt | | |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | 2 | 2 | 6 | |
| Detector Phases | 4 | 4 | 5 | 2 | 6 | |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 9.0 | 35.0 | 26.0 | 20.0 |
| Total Split (%) | 36.4% | 36.4% | 16.4% | 63.6% | 47.3% | 36% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | Lead | | Lag | |
| Lead-Lag Optimize? | | | Yes | | Yes | |
| Recall Mode | None | None | None | Min | Min | None |
| Act Effct Green (s) | 8.6 | 8.6 | 51.8 | 52.6 | 44.9 | |
| Actuated g/C Ratio | 0.12 | 0.12 | 0.74 | 0.80 | 0.68 | |
| v/c Ratio | 0.23 | 0.13 | 0.21 | 0.55 | 0.40 | |
| Control Delay | 17.3 | 8.1 | 4.1 | 4.4 | 7.1 | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | 17.3 | 8.1 | 4.1 | 4.4 | 7.1 | |
| LOS | B | A | A | A | A | |
| Approach Delay | | | | 4.4 | 7.1 | |
| Approach LOS | | | | A | A | |

Intersection Summary

Cycle Length: 55

Actuated Cycle Length: 66

Natural Cycle: 55

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.55

Intersection Signal Delay: 5.6






Intersection LOS: A

Intersection Capacity Utilization 54.5%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Wilshire & White Bluff Road

| | |
|--|--|
|  ø2 |  ø4 |
| 35 s | 20 s |
|  ø5 |  ø8 |
| 9 s | 20 s |
|  ø6 | |
| 26 s | |

Timings
3: Wilshire & White Bluff Road

Timing Plan: PM
1/21/2005



| Lane Group | EBL | EBR | NBL | NBT | SBT | ø8 |
|----------------------|--------|--------|-------|-------|-------|------|
| Lane Configurations | | | | | | |
| Volume (vph) | 31 | 52 | 55 | 804 | 1189 | |
| Turn Type | custom | custom | pm+pt | | | |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | 2 | 2 | 6 | |
| Detector Phases | 4 | 4 | 5 | 2 | 6 | |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 8.0 | 40.0 | 32.0 | 20.0 |
| Total Split (%) | 33.3% | 33.3% | 13.3% | 66.7% | 53.3% | 33% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | Lead | | Lag | |
| Lead-Lag Optimize? | | | Yes | | Yes | |
| Recall Mode | None | None | None | Min | Min | None |
| Act Effect Green (s) | 8.3 | 8.3 | 53.6 | 54.8 | 48.6 | |
| Actuated g/C Ratio | 0.12 | 0.12 | 0.76 | 0.82 | 0.72 | |
| v/c Ratio | 0.24 | 0.28 | 0.22 | 0.30 | 0.62 | |
| Control Delay | 20.2 | 7.2 | 4.3 | 2.7 | 9.2 | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | 20.2 | 7.2 | 4.3 | 2.7 | 9.2 | |
| LOS | C | A | A | A | A | |
| Approach Delay | | | | 2.8 | 9.2 | |
| Approach LOS | | | | A | A | |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 67.1

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.62

Intersection Signal Delay: 7.1

Intersection LOS: A

Intersection Capacity Utilization 53.6%

ICU Level of Service A

























Analysis Period (min) 15

Splits and Phases: 3: Wilshire & White Bluff Road

| | |
|------|------|
| ø2 | ø4 |
| 40 s | 20 s |
| ø5 | ø8 |
| 8 s | 20 s |
| ø6 | |
| 32 s | |

Timings
3: SR 204 (Abercorn) & King George Blvd.

Timing Plan: AM
1/21/2005

| |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|--|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume (vph) | 105 | 1380 | 63 | 258 | 665 | 176 | 180 | 69 | 774 | 342 | 122 | 93 |
| Turn Type | Prot | | Perm | Prot | | Free pm+pt | | | Free pm+pt | | | Perm |
| Protected Phases | 7 | 4 | | 3 | 8 | | 5 | 2 | | 1 | 6 | |
| Permitted Phases | | | 4 | | | Free | 2 | 2 | Free | 6 | 6 | 6 |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | | 5 | 2 | | 1 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | | 8.0 | 20.0 | | 8.0 | 20.0 | 20.0 |
| Total Split (s) | 16.0 | 44.0 | 44.0 | 13.0 | 41.0 | 0.0 | 13.0 | 20.0 | 0.0 | 13.0 | 20.0 | 20.0 |
| Total Split (%) | 17.8% | 48.9% | 48.9% | 14.4% | 45.6% | 0.0% | 14.4% | 22.2% | 0.0% | 14.4% | 22.2% | 22.2% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | | 3.5 | 3.5 | | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | | Lead | Lag | | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes |
| Recall Mode | None | None | None | None | None | | None | Min | | None | Min | Min |
| Act Effct Green (s) | 10.0 | 39.4 | 39.4 | 9.0 | 40.8 | 85.3 | 20.7 | 11.8 | 85.3 | 20.9 | 11.9 | 11.9 |
| Actuated g/C Ratio | 0.11 | 0.46 | 0.46 | 0.11 | 0.48 | 1.00 | 0.24 | 0.14 | 1.00 | 0.25 | 0.14 | 0.14 |
| v/c Ratio | 0.55 | 0.94 | 0.11 | 0.85 | 0.44 | 0.14 | 0.64 | 0.31 | 0.68 | 1.05 | 0.58 | 0.35 |
| Control Delay | 43.1 | 34.0 | 4.1 | 60.5 | 17.5 | 0.2 | 34.5 | 34.8 | 2.4 | 91.4 | 39.0 | 9.0 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 43.1 | 34.0 | 4.1 | 60.5 | 17.5 | 0.2 | 34.5 | 34.8 | 2.4 | 91.4 | 39.0 | 9.0 |
| LOS | D | C | A | E | B | A | C | C | A | F | D | A |
| Approach Delay | | 33.1 | | | 25.0 | | | 9.2 | | | 65.1 | |
| Approach LOS | | C | | | C | | | A | | | E | |

Intersection Summary

Cycle Length: 90

Actuated Cycle Length: 85.3

Natural Cycle: 90

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 1.05

Intersection Signal Delay: 28.7









Intersection LOS: C

Intersection Capacity Utilization 81.4%

ICU Level of Service D

Analysis Period (min) 15

Splits and Phases: 3: SR 204 (Abercorn) & King George Blvd.

| | | | |
|---|---|---|---|
|  |  |  |  |
| ø1 | ø2 | ø3 | ø4 |
| 13 s | 20 s | 13 s | 44 s |
|  |  |  |  |
| ø5 | ø6 | ø7 | ø8 |
| 13 s | 20 s | 16 s | 41 s |

Timings
3: SR 204 (Abercorn) & King George Blvd.

Timing Plan: PM
1/21/2005

| | ↖ | → | ↗ | ↖ | ← | ↖ | ↗ | ↑ | ↖ | ↗ | ↓ | ↖ |
|---------------------|-------|-------|-------|-------|-------|------------|-------|-------|------------|-------|-------|-------|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations | ↖ | ↑↑ | ↗ | ↖↗ | ↑↑ | ↗ | ↖ | ↑ | ↗ | ↖ | ↑ | ↗ |
| Volume (vph) | 142 | 1070 | 182 | 774 | 1422 | 320 | 142 | 134 | 322 | 246 | 254 | 100 |
| Turn Type | Prot | | Perm | Prot | | Free pm+pt | | | Free pm+pt | | | Perm |
| Protected Phases | 7 | 4 | | 3 | 8 | | 5 | 2 | | 1 | 6 | |
| Permitted Phases | | | 4 | | | Free | 2 | 2 | Free | 6 | 6 | 6 |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | | 5 | 2 | | 1 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | | 8.0 | 20.0 | | 8.0 | 20.0 | 20.0 |
| Total Split (s) | 12.0 | 32.0 | 32.0 | 28.0 | 48.0 | 0.0 | 9.0 | 20.0 | 0.0 | 10.0 | 21.0 | 21.0 |
| Total Split (%) | 13.3% | 35.6% | 35.6% | 31.1% | 53.3% | 0.0% | 10.0% | 22.2% | 0.0% | 11.1% | 23.3% | 23.3% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | | 3.5 | 3.5 | | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 0.5 | 0.5 | | 0.5 | 0.5 | 0.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | | Lead | Lag | | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | | Yes | Yes | | Yes | Yes | Yes |
| Recall Mode | None | None | None | None | None | | None | Min | | None | Min | Min |
| Act Effct Green (s) | 8.0 | 28.0 | 28.0 | 24.0 | 44.0 | 89.0 | 20.0 | 15.0 | 89.0 | 22.0 | 16.0 | 16.0 |
| Actuated g/C Ratio | 0.09 | 0.31 | 0.31 | 0.27 | 0.49 | 1.00 | 0.22 | 0.17 | 1.00 | 0.25 | 0.18 | 0.18 |
| v/c Ratio | 0.93 | 0.98 | 0.37 | 0.98 | 0.92 | 0.24 | 0.91 | 0.52 | 0.25 | 1.00 | 0.84 | 0.34 |
| Control Delay | 98.5 | 54.3 | 7.2 | 59.8 | 31.7 | 0.4 | 78.1 | 39.3 | 0.4 | 87.9 | 53.0 | 8.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 98.5 | 54.3 | 7.2 | 59.8 | 31.7 | 0.4 | 78.1 | 39.3 | 0.4 | 87.9 | 53.0 | 8.4 |
| LOS | F | D | A | E | C | A | E | D | A | F | D | A |
| Approach Delay | | 51.3 | | | 36.5 | | | 27.4 | | | 58.7 | |
| Approach LOS | | D | | | D | | | C | | | E | |

Intersection Summary

Cycle Length: 90

Actuated Cycle Length: 89

Natural Cycle: 90

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 1.00

Intersection Signal Delay: 41.8

Intersection LOS: D

Intersection Capacity Utilization 86.2%

ICU Level of Service E

Analysis Period (min) 15

Splits and Phases: 3: SR 204 (Abercorn) & King George Blvd.

| | | | |
|------|------|------|------|
| ↖ ø1 | ↑ ø2 | ↗ ø3 | → ø4 |
| 10 s | 20 s | 28 s | 32 s |
| ↖ ø5 | ↓ ø6 | ↗ ø7 | ← ø8 |
| 9 s | 21 s | 12 s | 48 s |

Timings
3: Dukes Dr. & SR 21

Timing Plan: AM
1/21/2005

| | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Group | | | | | | | | |
| Lane Configurations | | ↕ | | ↕ | ↙ | ↗ | ↙ | ↗ |
| Volume (vph) | 21 | 11 | 32 | 0 | 21 | 1285 | 60 | 1388 |
| Turn Type | Perm | | Perm | | Perm | | Perm | |
| Protected Phases | | 2 | | 6 | | 8 | | 4 |
| Permitted Phases | 2 | 2 | 6 | 6 | 8 | | 4 | |
| Detector Phases | 2 | 2 | 6 | 6 | 8 | 8 | 4 | 4 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| Total Split (%) | 33.3% | 33.3% | 33.3% | 33.3% | 66.7% | 66.7% | 66.7% | 66.7% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | | | | |
| Lead-Lag Optimize? | | | | | | | | |
| Recall Mode | Min | Min | Min | Min | None | None | None | None |
| Act Effct Green (s) | | 8.7 | | 8.7 | 22.8 | 22.8 | 22.8 | 22.8 |
| Actuated g/C Ratio | | 0.22 | | 0.22 | 0.57 | 0.57 | 0.57 | 0.57 |
| v/c Ratio | | 0.21 | | 0.40 | 0.16 | 0.53 | 0.53 | 0.50 |
| Control Delay | | 11.2 | | 14.0 | 6.3 | 5.5 | 17.5 | 5.5 |
| Queue Delay | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 11.2 | | 14.0 | 6.3 | 5.5 | 17.5 | 5.5 |
| LOS | | B | | B | A | A | B | A |
| Approach Delay | | 11.2 | | 14.0 | | 5.6 | | 6.0 |
| Approach LOS | | B | | B | | A | | A |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 40.3

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.53

Intersection Signal Delay: 6.3

Intersection LOS: A















Intersection Capacity Utilization 47.9%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Dukes Dr. & SR 21

| | |
|------|------|
| → ø2 | ↓ ø4 |
| 20 s | 40 s |
| ← ø6 | ↑ ø8 |
| 20 s | 40 s |

| |  |  |  |  |  |  |  |  |
|----------------------|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
| Lane Configurations | |  | |  |  |  |  |  |
| Volume (vph) | 49 | 8 | 82 | 0 | 40 | 1611 | 30 | 1414 |
| Turn Type | Perm | | Perm | | Perm | | Perm | |
| Protected Phases | | 2 | | 6 | | 8 | | 4 |
| Permitted Phases | 2 | 2 | 6 | 6 | 8 | | 4 | |
| Detector Phases | 2 | 2 | 6 | 6 | 8 | 8 | 4 | 4 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 21.0 | 21.0 | 21.0 | 21.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| Total Split (%) | 35.0% | 35.0% | 35.0% | 35.0% | 65.0% | 65.0% | 65.0% | 65.0% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | | | | |
| Lead-Lag Optimize? | | | | | | | | |
| Recall Mode | Min | Min | Min | Min | None | None | None | None |
| Act Effect Green (s) | | 12.5 | | 12.5 | 26.7 | 26.7 | 26.7 | 26.7 |
| Actuated g/C Ratio | | 0.26 | | 0.26 | 0.56 | 0.56 | 0.56 | 0.56 |
| v/c Ratio | | 0.30 | | 0.68 | 0.41 | 0.64 | 0.31 | 0.57 |
| Control Delay | | 14.3 | | 21.0 | 16.4 | 8.1 | 12.8 | 7.5 |
| Queue Delay | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 14.3 | | 21.0 | 16.4 | 8.1 | 12.8 | 7.5 |
| LOS | | B | | C | B | A | B | A |
| Approach Delay | | 14.3 | | 21.0 | | 8.3 | | 7.6 |
| Approach LOS | | B | | C | | A | | A |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 47.8

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.68

Intersection Signal Delay: 9.1





Intersection LOS: A

Intersection Capacity Utilization 53.6%

ICU Level of Service A























Analysis Period (min) 15

Splits and Phases: 3: Dukes Dr. & SR 21

| | | | |
|---|----|---|----|
|  | ø2 |  | ø4 |
| 21 s | | 39 s | |
|  | ø6 |  | ø8 |
| 21 s | | 39 s | |

Timings
3: Bay Street & East Lathrop Ave

Timing Plan: AM
1/21/2005

| |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | SBL | SBT | |
| Lane Configurations |  |  |  |  |  |  |  |  |  |  |  |
| Volume (vph) | 68 | 813 | 97 | 77 | 553 | 71 | 57 | 22 | 66 | 55 | |
| Turn Type | pm+pt | | Perm | pm+pt | | Perm | pm+pt | | pm+pt | | |
| Protected Phases | 7 | 4 | | 3 | 8 | | 5 | 2 | 1 | 6 | |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | 2 | 6 | 6 | |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | 8 | 5 | 2 | 1 | 6 | |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 8.0 | 20.0 | |
| Total Split (s) | 9.0 | 23.0 | 23.0 | 8.0 | 22.0 | 22.0 | 8.0 | 21.0 | 8.0 | 21.0 | |
| Total Split (%) | 15.0% | 38.3% | 38.3% | 13.3% | 36.7% | 36.7% | 13.3% | 35.0% | 13.3% | 35.0% | |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag | Lead | Lag | |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Recall Mode | None | None | None | None | None | None | None | Min | None | Min | |
| Act Effct Green (s) | 17.2 | 15.3 | 15.3 | 16.2 | 14.8 | 14.8 | 9.9 | 8.3 | 9.9 | 8.3 | |
| Actuated g/C Ratio | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.23 | 0.20 | 0.23 | 0.20 | |
| v/c Ratio | 0.24 | 0.63 | 0.17 | 0.36 | 0.46 | 0.13 | 0.23 | 0.17 | 0.21 | 0.36 | |
| Control Delay | 8.8 | 13.5 | 3.8 | 11.0 | 12.6 | 4.3 | 14.1 | 12.0 | 13.8 | 11.2 | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | 8.8 | 13.5 | 3.8 | 11.0 | 12.6 | 4.3 | 14.1 | 12.0 | 13.8 | 11.2 | |
| LOS | A | B | A | B | B | A | B | B | B | B | |
| Approach Delay | | 12.1 | | | 11.5 | | | 13.1 | | 12.1 | |
| Approach LOS | | B | | | B | | | B | | B | |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 40.5

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.63

Intersection Signal Delay: 11.9









Intersection LOS: B

Intersection Capacity Utilization 47.1%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Bay Street & East Lathrop Ave

| | | | |
|--|--|--|--|
|  ø1 |  ø2 |  ø3 |  ø4 |
| 8 s | 21 s | 8 s | 23 s |
|  ø5 |  ø6 |  ø7 |  ø8 |
| 8 s | 21 s | 9 s | 22 s |

Timings
3: Bay Street & East Lathrop Ave

Timing Plan: PM
1/21/2005



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | SBL | SBT |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | |
| Volume (vph) | 64 | 610 | 30 | 11 | 718 | 78 | 147 | 77 | 102 | 29 |
| Turn Type | pm+pt | | Perm | pm+pt | | Perm | pm+pt | | pm+pt | |
| Protected Phases | 7 | 4 | | 3 | 8 | | 5 | 2 | 1 | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | 2 | 6 | 6 |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | 8 | 5 | 2 | 1 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 8.0 | 20.0 |
| Total Split (s) | 8.0 | 22.0 | 22.0 | 8.0 | 22.0 | 22.0 | 8.0 | 22.0 | 8.0 | 22.0 |
| Total Split (%) | 13.3% | 36.7% | 36.7% | 13.3% | 36.7% | 36.7% | 13.3% | 36.7% | 13.3% | 36.7% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Recall Mode | None | None | None | None | None | None | None | Min | None | Min |
| Act Effct Green (s) | 18.1 | 17.7 | 17.7 | 16.7 | 15.0 | 15.0 | 12.6 | 10.8 | 11.5 | 8.8 |
| Actuated g/C Ratio | 0.39 | 0.41 | 0.41 | 0.34 | 0.35 | 0.35 | 0.28 | 0.25 | 0.25 | 0.21 |
| v/c Ratio | 0.28 | 0.49 | 0.05 | 0.05 | 0.65 | 0.14 | 0.40 | 0.43 | 0.40 | 0.28 |
| Control Delay | 10.5 | 11.3 | 5.1 | 9.4 | 15.0 | 4.4 | 15.4 | 9.6 | 16.0 | 8.9 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 10.5 | 11.3 | 5.1 | 9.4 | 15.0 | 4.4 | 15.4 | 9.6 | 16.0 | 8.9 |
| LOS | B | B | A | A | B | A | B | A | B | A |
| Approach Delay | | 11.0 | | | 13.9 | | | 12.0 | | 12.7 |
| Approach LOS | | B | | | B | | | B | | B |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 42.7

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.65

Intersection Signal Delay: 12.4

Intersection LOS: B

Intersection Capacity Utilization 51.6%

ICU Level of Service A

























Analysis Period (min) 15

Splits and Phases: 3: Bay Street & East Lathrop Ave

| | | | |
|-----|------|-----|------|
| | | | |
| ø1 | ø2 | ø3 | ø4 |
| 8 s | 22 s | 8 s | 22 s |
| | | | |
| ø5 | ø6 | ø7 | ø8 |
| 8 s | 22 s | 8 s | 22 s |

Timings
3: SR 204 (Abercorn) & Gateway Blvd.

Timing Plan: AM
1/21/2005

| |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|--|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume (vph) | 126 | 958 | 124 | 41 | 531 | 75 | 124 | 43 | 69 | 87 | 30 | 281 |
| Turn Type | pm+pt | | Perm | pm+pt | | Perm | Perm | | Perm | Perm | | Perm |
| Protected Phases | 7 | 4 | | 3 | 8 | | | 2 | | | 6 | |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | 2 | 2 | 6 | | 6 |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | 8 | 2 | 2 | 2 | 6 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 10.0 | 29.0 | 29.0 | 8.0 | 27.0 | 27.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| Total Split (%) | 16.7% | 48.3% | 48.3% | 13.3% | 45.0% | 45.0% | 38.3% | 38.3% | 38.3% | 38.3% | 38.3% | 38.3% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | Lag | | | | | | |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | | | | | | |
| Recall Mode | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max |
| Act Effct Green (s) | 31.0 | 25.0 | 25.0 | 27.0 | 23.0 | 23.0 | | 19.0 | 19.0 | | 19.0 | 19.0 |
| Actuated g/C Ratio | 0.52 | 0.42 | 0.42 | 0.45 | 0.38 | 0.38 | | 0.32 | 0.32 | | 0.32 | 0.32 |
| v/c Ratio | 0.34 | 0.76 | 0.18 | 0.23 | 0.43 | 0.12 | | 0.52 | 0.14 | | 0.34 | 0.42 |
| Control Delay | 8.9 | 19.2 | 3.2 | 9.0 | 14.8 | 4.0 | | 22.2 | 5.1 | | 18.6 | 4.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| Total Delay | 8.9 | 19.2 | 3.2 | 9.0 | 14.8 | 4.0 | | 22.2 | 5.1 | | 18.6 | 4.6 |
| LOS | A | B | A | A | B | A | | C | A | | B | A |
| Approach Delay | | 16.6 | | | 13.2 | | | 17.7 | | | 9.0 | |
| Approach LOS | | B | | | B | | | B | | | A | |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 60

Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 60

Control Type: Pretimed

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 14.7







Intersection LOS: B

Intersection Capacity Utilization 55.6%

ICU Level of Service B

























Analysis Period (min) 15

Splits and Phases: 3: SR 204 (Abercorn) & Gateway Blvd.

| | | |
|---|---|---|
|  |  |  |
| ø2 | ø3 | ø4 |
| 23 s | 8 s | 29 s |
|  |  |  |
| ø6 | ø7 | ø8 |
| 23 s | 10 s | 27 s |

Timings
3: SR 204 (Abercorn) & Gateway Blvd.

Timing Plan: PM
1/21/2005

| |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| Lane Configurations |  |  |  |  |  |  |  |  |  |  |  |  |
| Volume (vph) | 377 | 918 | 266 | 216 | 964 | 169 | 238 | 65 | 94 | 69 | 49 | 153 |
| Turn Type | pm+pt | | Perm | pm+pt | | Perm | Perm | | Perm | Perm | | Perm |
| Protected Phases | 7 | 4 | | 3 | 8 | | | 2 | | | 6 | |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | 2 | 6 | | 6 |
| Detector Phases | 7 | 4 | 4 | 3 | 8 | 8 | 2 | 2 | 2 | 6 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 16.0 | 27.0 | 27.0 | 11.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| Total Split (%) | 26.7% | 45.0% | 45.0% | 18.3% | 36.7% | 36.7% | 36.7% | 36.7% | 36.7% | 36.7% | 36.7% | 36.7% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lag | Lag | | | | | | |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | | | | | | |
| Recall Mode | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max | Max |
| Act Effct Green (s) | 34.0 | 23.0 | 23.0 | 25.0 | 18.0 | 18.0 | | 18.0 | 18.0 | | 18.0 | 18.0 |
| Actuated g/C Ratio | 0.57 | 0.38 | 0.38 | 0.42 | 0.30 | 0.30 | | 0.30 | 0.30 | | 0.30 | 0.30 |
| v/c Ratio | 0.97 | 0.74 | 0.37 | 0.71 | 0.98 | 0.38 | | 0.94 | 0.20 | | 0.45 | 0.28 |
| Control Delay | 51.9 | 20.1 | 3.4 | 24.2 | 45.9 | 4.6 | | 58.0 | 5.0 | | 22.9 | 4.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| Total Delay | 51.9 | 20.1 | 3.4 | 24.2 | 45.9 | 4.6 | | 58.0 | 5.0 | | 22.9 | 4.6 |
| LOS | D | C | A | C | D | A | | E | A | | C | A |
| Approach Delay | | 25.8 | | | 35.9 | | | 45.7 | | | 12.8 | |
| Approach LOS | | C | | | D | | | D | | | B | |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 60

Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 65

Control Type: Pretimed

Maximum v/c Ratio: 0.98

Intersection Signal Delay: 30.9







Intersection LOS: C

Intersection Capacity Utilization 80.8%

ICU Level of Service D


















Analysis Period (min) 15

Splits and Phases: 3: SR 204 (Abercorn) & Gateway Blvd.

| | | |
|--|--|--|
|  ø2 |  ø3 |  ø4 |
| 22 s | 11 s | 27 s |
|  ø6 |  ø7 |  ø8 |
| 22 s | 16 s | 22 s |

Timings
3: Brampton & SR 25

Timing Plan: AM
1/21/2005







| |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | NBR | SBL | SBT |
| Lane Configurations |  |  | |  |  |  |  |  |  |
| Volume (vph) | 20 | 46 | 66 | 33 | 39 | 285 | 98 | 25 | 214 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | pm+pt | |
| Protected Phases | | 2 | | 6 | 3 | 8 | | 7 | 4 |
| Permitted Phases | 2 | 2 | 6 | 6 | 8 | | 8 | 4 | |
| Detector Phases | 2 | 2 | 6 | 6 | 3 | 8 | 8 | 7 | 4 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 |
| Total Split (s) | 22.0 | 22.0 | 22.0 | 22.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 |
| Total Split (%) | 44.0% | 44.0% | 44.0% | 44.0% | 16.0% | 40.0% | 40.0% | 16.0% | 40.0% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | | | | | Yes | Yes | Yes | Yes | Yes |
| Recall Mode | Min | Min | Min | Min | None | None | None | None | None |
| Act Effct Green (s) | 12.1 | 12.1 | | 12.1 | 10.9 | 11.0 | 11.0 | 10.1 | 9.4 |
| Actuated g/C Ratio | 0.42 | 0.42 | | 0.42 | 0.33 | 0.36 | 0.36 | 0.29 | 0.31 |
| v/c Ratio | 0.04 | 0.11 | | 0.20 | 0.11 | 0.48 | 0.17 | 0.08 | 0.24 |
| Control Delay | 10.4 | 7.6 | | 10.1 | 6.2 | 9.1 | 2.9 | 7.0 | 7.7 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 10.4 | 7.6 | | 10.1 | 6.2 | 9.1 | 2.9 | 7.0 | 7.7 |
| LOS | B | A | | B | A | A | A | A | A |
| Approach Delay | | 8.2 | | 10.1 | | 7.4 | | | 7.7 |
| Approach LOS | | A | | B | | A | | | A |

Intersection Summary

Cycle Length: 50
 Actuated Cycle Length: 28.5
 Natural Cycle: 50
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 0.48
 Intersection Signal Delay: 7.9
 Intersection Capacity Utilization 40.9%
 Analysis Period (min) 15


















Intersection LOS: A
 ICU Level of Service A

Splits and Phases: 3: Brampton & SR 25

| | | |
|--|--|--|
|  ø2 |  ø3 |  ø4 |
| 22 s | 8 s | 20 s |
|  ø6 |  ø7 |  ø8 |
| 22 s | 8 s | 20 s |

Timings
3: Brampton & SR 25

Timing Plan: PM
1/21/2005

| |  |  |  |  |  |  |  |  |  |
|---------------------|---|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | NBR | SBL | SBT |
| Lane Configurations |  |  | |  |  |  |  |  |  |
| Volume (vph) | 23 | 16 | 170 | 83 | 52 | 315 | 33 | 8 | 341 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | pm+pt | |
| Protected Phases | | 2 | | 6 | 3 | 8 | | 7 | 4 |
| Permitted Phases | 2 | 2 | 6 | 6 | 8 | | 8 | 4 | |
| Detector Phases | 2 | 2 | 6 | 6 | 3 | 8 | 8 | 7 | 4 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 |
| Total Split (s) | 22.0 | 22.0 | 22.0 | 22.0 | 8.0 | 20.0 | 20.0 | 8.0 | 20.0 |
| Total Split (%) | 44.0% | 44.0% | 44.0% | 44.0% | 16.0% | 40.0% | 40.0% | 16.0% | 40.0% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | | | | | Yes | Yes | Yes | Yes | Yes |
| Recall Mode | Min | Min | Min | Min | None | None | None | None | None |
| Act Effct Green (s) | 15.4 | 15.4 | | 15.4 | 15.3 | 14.6 | 14.6 | 13.9 | 11.9 |
| Actuated g/C Ratio | 0.39 | 0.39 | | 0.39 | 0.35 | 0.37 | 0.37 | 0.30 | 0.30 |
| v/c Ratio | 0.07 | 0.10 | | 0.76 | 0.19 | 0.58 | 0.07 | 0.04 | 0.49 |
| Control Delay | 10.6 | 6.0 | | 20.4 | 9.0 | 14.2 | 4.7 | 9.0 | 13.1 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 10.6 | 6.0 | | 20.4 | 9.0 | 14.2 | 4.7 | 9.0 | 13.1 |
| LOS | B | A | | C | A | B | A | A | B |
| Approach Delay | | 7.3 | | 20.4 | | 12.8 | | | 13.0 |
| Approach LOS | | A | | C | | B | | | B |

Intersection Summary

Cycle Length: 50

Actuated Cycle Length: 39.9

Natural Cycle: 55

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 14.6







Intersection LOS: B

Intersection Capacity Utilization 53.6%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Brampton & SR 25

| | | |
|---|---|---|
|  |  |  |
| ø2 | ø3 | ø4 |
| 22 s | 8 s | 20 s |
|  |  |  |
| ø6 | ø7 | ø8 |
| 22 s | 8 s | 20 s |

Timings
3: Wilshire Blvd. & Abercorn Road

Timing Plan: AM
1/21/2005



| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | | ↔↔ | ↔ | ↔↔↔ | ↔ | ↔↔↔ |
| Volume (vph) | 61 | 16 | 51 | 10 | 58 | 1968 | 17 | 893 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | |
| Protected Phases | | 4 | | 8 | 5 | 2 | | 6 |
| Permitted Phases | 4 | | 8 | | 2 | 2 | 6 | 6 |
| Detector Phases | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 40.0 | 32.0 | 32.0 |
| Total Split (%) | 33.3% | 33.3% | 33.3% | 33.3% | 13.3% | 66.7% | 53.3% | 53.3% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | | Lag | Lag |
| Lead-Lag Optimize? | | | | | Yes | | Yes | Yes |
| Recall Mode | None | None | None | None | None | Min | Min | Min |
| Act Effct Green (s) | | 8.2 | | 8.3 | 36.9 | 37.6 | 32.7 | 32.7 |
| Actuated g/C Ratio | | 0.15 | | 0.16 | 0.67 | 0.73 | 0.63 | 0.63 |
| v/c Ratio | | 0.36 | | 0.35 | 0.21 | 0.57 | 0.21 | 0.31 |
| Control Delay | | 12.7 | | 17.7 | 4.7 | 4.9 | 11.4 | 6.2 |
| Queue Delay | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 12.7 | | 17.7 | 4.7 | 4.9 | 11.4 | 6.2 |
| LOS | | B | | B | A | A | B | A |
| Approach Delay | | 12.7 | | 17.7 | | 4.9 | | 6.4 |
| Approach LOS | | B | | B | | A | | A |

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 51.6

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.57

Intersection Signal Delay: 6.2

Intersection LOS: A

Intersection Capacity Utilization 61.6%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 3: Wilshire Blvd. & Abercorn Road

| | |
|------|------|
| ↑ ø2 | → ø4 |
| 40 s | 20 s |
| ↙ ø5 | ↘ ø8 |
| 8 s | 20 s |
| ↓ ø6 | |
| 32 s | |



| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | | ↔↔ | ↔ | ↔↔↔ | ↔ | ↔↔↔ |
| Volume (vph) | 26 | 22 | 93 | 48 | 136 | 1424 | 91 | 1970 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | |
| Protected Phases | | 4 | | 8 | 5 | 2 | | 6 |
| Permitted Phases | 4 | | 8 | | 2 | 2 | 6 | 6 |
| Detector Phases | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 45.0 | 37.0 | 37.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 12.3% | 69.2% | 56.9% | 56.9% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | | Lag | Lag |
| Lead-Lag Optimize? | | | | | Yes | | Yes | Yes |
| Recall Mode | None | None | None | None | None | Min | Min | Min |
| Act Effct Green (s) | | 9.0 | | 9.0 | 41.4 | 41.4 | 35.0 | 35.0 |
| Actuated g/C Ratio | | 0.15 | | 0.15 | 0.69 | 0.71 | 0.60 | 0.60 |
| v/c Ratio | | 0.24 | | 0.45 | 0.61 | 0.42 | 0.62 | 0.71 |
| Control Delay | | 14.6 | | 20.2 | 17.6 | 4.2 | 30.8 | 10.7 |
| Queue Delay | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 14.6 | | 20.2 | 17.6 | 4.2 | 30.8 | 10.7 |
| LOS | | B | | C | B | A | C | B |
| Approach Delay | | 14.6 | | 20.2 | | 5.4 | | 11.7 |
| Approach LOS | | B | | C | | A | | B |

Intersection Summary

Cycle Length: 65

Actuated Cycle Length: 58.4

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.71

Intersection Signal Delay: 9.7

Intersection LOS: A

Intersection Capacity Utilization 68.9%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 3: Wilshire Blvd. & Abercorn Road

| | |
|--------------|--------------|
| 45 s | 20 s |
| 8 s | 37 s |



| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | |
| Volume (vph) | 104 | 314 | 13 | 193 | 48 | 12 | 16 | 68 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | |
| Protected Phases | | 4 | | 8 | 5 | 2 | | 6 |
| Permitted Phases | 4 | | 8 | | 2 | 2 | 6 | 6 |
| Detector Phases | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 30.0 | 22.0 | 22.0 |
| Total Split (%) | 40.0% | 40.0% | 40.0% | 40.0% | 16.0% | 60.0% | 44.0% | 44.0% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | | Lag | Lag |
| Lead-Lag Optimize? | | | | | Yes | | Yes | Yes |
| Recall Mode | None | None | None | None | None | Min | Min | Min |
| Act Effct Green (s) | 8.8 | 8.8 | 8.8 | 8.8 | | 6.4 | | 6.4 |
| Actuated g/C Ratio | 0.38 | 0.38 | 0.38 | 0.38 | | 0.27 | | 0.27 |
| v/c Ratio | 0.31 | 0.33 | 0.09 | 0.23 | | 0.10 | | 0.24 |
| Control Delay | 6.3 | 5.4 | 5.0 | 4.0 | | 6.5 | | 4.1 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | | 0.0 |
| Total Delay | 6.3 | 5.4 | 5.0 | 4.0 | | 6.5 | | 4.1 |
| LOS | A | A | A | A | | A | | A |
| Approach Delay | | 5.6 | | 4.1 | | 6.5 | | 4.1 |
| Approach LOS | | A | | A | | A | | A |

Intersection Summary

Cycle Length: 50

Actuated Cycle Length: 23.4

Natural Cycle: 50

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.33

Intersection Signal Delay: 5.0

Intersection LOS: A

Intersection Capacity Utilization 34.9%

ICU Level of Service A

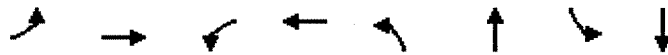
Analysis Period (min) 15

Splits and Phases: 3: Bay Street & West Lathrop Ave

| | |
|------|------|
| ø2 | ø4 |
| 30 s | 20 s |
| ø5 | ø8 |
| 8 s | 20 s |
| ø6 | |
| 22 s | |

Timings
3: Bay Street & West Lathrop Ave

Timing Plan: PM
1/21/2005



| Lane Group | EBL | EBT | WBL | WBT | NBL | NBT | SBL | SBT |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | |
| Volume (vph) | 56 | 354 | 21 | 265 | 65 | 6 | 41 | 259 |
| Turn Type | Perm | | Perm | | pm+pt | | Perm | |
| Protected Phases | | 4 | | 8 | 5 | 2 | | 6 |
| Permitted Phases | 4 | | 8 | | 2 | 2 | 6 | 6 |
| Detector Phases | 4 | 4 | 8 | 8 | 5 | 2 | 6 | 6 |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Minimum Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 20.0 | 20.0 | 20.0 |
| Total Split (s) | 20.0 | 20.0 | 20.0 | 20.0 | 8.0 | 30.0 | 22.0 | 22.0 |
| Total Split (%) | 40.0% | 40.0% | 40.0% | 40.0% | 16.0% | 60.0% | 44.0% | 44.0% |
| Yellow Time (s) | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| All-Red Time (s) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Lead/Lag | | | | | Lead | | Lag | Lag |
| Lead-Lag Optimize? | | | | | Yes | | Yes | Yes |
| Recall Mode | None | None | None | None | None | Min | Min | Min |
| Act Effect Green (s) | 8.5 | 8.5 | 8.5 | 8.5 | | 11.4 | | 11.4 |
| Actuated g/C Ratio | 0.33 | 0.33 | 0.33 | 0.33 | | 0.48 | | 0.48 |
| v/c Ratio | 0.24 | 0.36 | 0.12 | 0.34 | | 0.08 | | 0.34 |
| Control Delay | 7.7 | 6.9 | 7.0 | 6.6 | | 5.9 | | 4.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | | 0.0 |
| Total Delay | 7.7 | 6.9 | 7.0 | 6.6 | | 5.9 | | 4.4 |
| LOS | A | A | A | A | | A | | A |
| Approach Delay | | 7.0 | | 6.6 | | 5.9 | | 4.4 |
| Approach LOS | | A | | A | | A | | A |

Intersection Summary

Cycle Length: 50

Actuated Cycle Length: 23.8

Natural Cycle: 50

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.36

Intersection Signal Delay: 5.9

Intersection LOS: A

Intersection Capacity Utilization 44.7%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 3: Bay Street & West Lathrop Ave

| | |
|------|------|
| ø2 | ø4 |
| 30 s | 20 s |
| ø5 | ø8 |
| 8 s | 20 s |
| ø6 | |
| 22 s | |



CarterBurgess

Appendix B

Victory Drive and SR 21 Analysis: Traffic Data and Technical Memoranda

Memorandum

Date: December 14, 2007

To: Mike Weiner, City of Savannah
Mark Wilkes, Chatham County-Savannah Metropolitan Planning
Commission

From: Steve Cote and Radha Krishna Swayampakala, RS&H

Subject: Traffic Signal Warrant Analysis, Rowland Avenue and Skidaway Road

Summary

RS&H has completed a signal warrant analysis for the intersection of Rowland Avenue and Skidaway Road using the 2007 Existing Conditions from the Congestion Management Process (CMP) Update Task Order for the Chatham County – Savannah Metropolitan Planning Commission. As presented in the initial 2007 Existing Conditions analysis from the CMP, traffic demand on Rowland Avenue either approaches or exceeds the roadway capacity limits at its intersection with Skidaway Road during the AM and PM peak hours. At the request of City of Savannah Traffic Engineering staff, a signal warrant analysis was performed to determine the need for a traffic signal at this intersection. The signal warrant analysis was completed using the eight (8) signal warrants described in the Manual on Uniform Traffic Control Devices (MUTCD) 2003 edition. Traffic count data for this intersection was collected in October 2007 for 7:00 AM – 9:00 AM; 11:00 AM – 1:00 PM; and 4:00 PM – 7:00 PM.

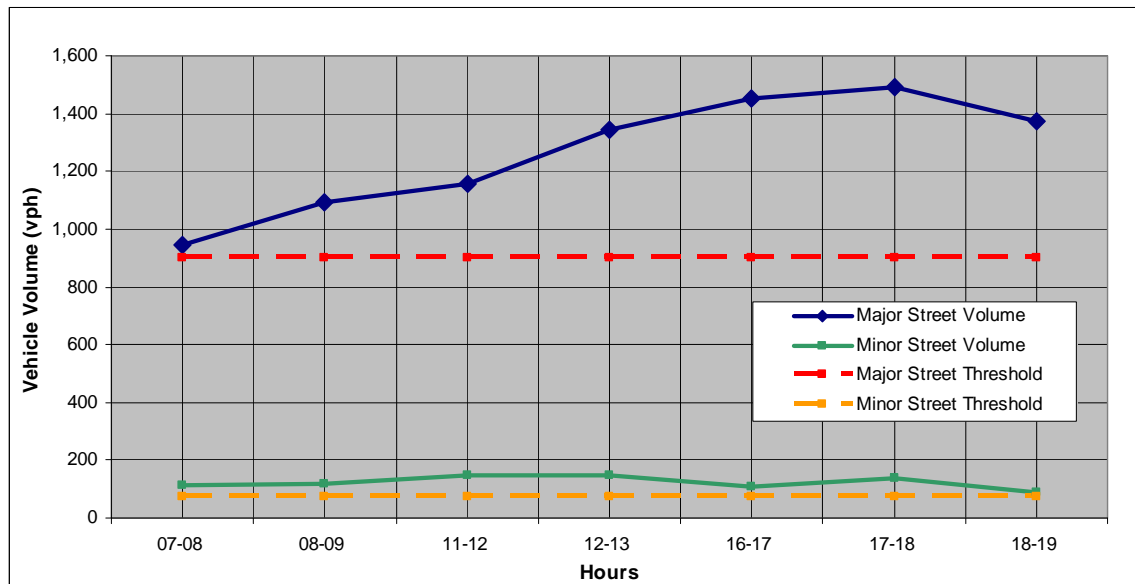
The results of the signal warrant analysis indicate that the following four of the eight warrants are met for installing a traffic signal at the intersection of Skidaway Road at Rowland Avenue:

- Warrant #1: Eight-hour Vehicular Volume
- Warrant #2: Four-hour Vehicular Volume,
- Warrant #6: Coordinated Signal System, and
- Warrant #8: Roadway Network

The following summarizes the detailed results of the warrant analysis.

Warrant 1 – Eight-Hour Vehicular Volume: According to the MUTCD, the need for a traffic signal under the Eight Hour Warrant shall be considered if the minor street approach traffic volume is greater than 75 vehicles per hour (vph) while the major street two-way volume is greater than 900 vph. The 2007 CMP Existing Conditions traffic volumes indicate that *Warrant 1* is met for the seven hours for which the traffic count data is available. Skidaway Road is designated as the major street and Rowland Avenue as the minor street for this analysis. Traffic count data is not available for the period between 1:00 PM and 4:00 PM. Traffic volumes on Rowland Avenue between 12:00 PM – 1:00 PM and 4:00 PM – 5:00 PM are 150 vph and 107 vph, respectively. Traffic volumes on Skidaway Road between 12:00 PM – 1:00 PM and 4:00 PM – 5:00 PM are 1,345 vph and 1,452 vph, respectively. Based on this data, the chances of having more 75 vph on Rowland Avenue and 900 vph on Skidaway Road are very high between 1:00 PM to 4:00 PM. Based on this information, the conditions for *Warrant 1 - Eight-Hour* are met. Figure 1 and Table 1 show the total volumes and Warrant 1 thresholds for the major street and minor streets.

Figure 1
Hourly Traffic Volumes and Warrant 1 Thresholds



Note: Major Street Volumes/Thresholds indicate the hourly totals for both approaches on Skidaway Road
Minor Street Volumes/Thresholds indicate the hourly volumes on Rowland Avenue

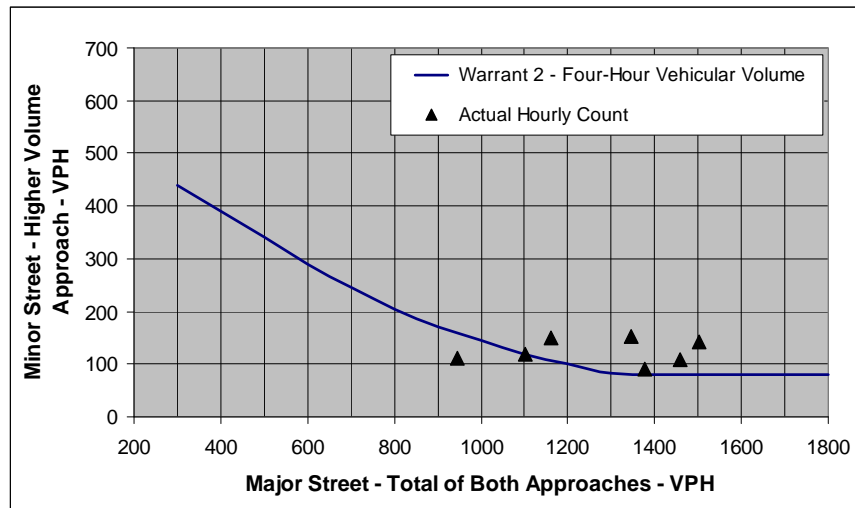
Table 1
Hourly Traffic Volumes and Warrant 1 Thresholds

| Duration | Major Street Volume | Minor Street Volume | Major Street Threshold | Minor Street Threshold |
|---------------------|---------------------|---------------------|------------------------|------------------------|
| 7:00 AM – 8:00 AM | 946 | 111 | 900 | 75 |
| 8:00 AM – 9:00 AM | 1,093 | 119 | 900 | 75 |
| 11:00 AM – 12:00 PM | 1,158 | 148 | 900 | 75 |
| 12:00 PM – 1:00 PM | 1,345 | 150 | 900 | 75 |
| 4:00 PM – 5:00 PM | 1,452 | 107 | 900 | 75 |
| 5:00 PM – 6:00 PM | 1,494 | 139 | 900 | 75 |
| 6:00 PM – 7:00 PM | 1,374 | 91 | 900 | 75 |

Warrant 2 – Four-Hour Vehicular Volume: According to the MUTCD, the need for a traffic signal under the Four-Hour Vehicular Volume Warrant shall be considered if, during any four hours of an average day, the plotted points representing the vehicles per hour on the major street (total of both approaches) and corresponding vehicles per hour on the higher-volume minor-street approach (one-direction only) fall above the applicable curve representing the warrant threshold.

As shown in Figure 2, five of the seven points corresponding to the hourly counts available for this intersection fall above the four-hour vehicular volume curve. Based on this information, the conditions for Warrant 2 are met.

Figure 2
Four-Hour Traffic Signal Warrant Analysis



Note: Points falling above the curve indicate the hours during which the Warrant 2 is met

Warrant 3 - Peak Hour: According to the MUTCD, the need for a traffic signal under the Peak Hour Warrant shall be considered if the criteria in either of the following two categories are met:

- A) If all three of the following conditions exist for the same one hour (any four consecutive 15-minute periods) of an average day:
 - 1) The total stopped time delay experienced by the traffic on one minor-street approach (one direction only) controlled by a stop sign equals or exceeds: four vehicle-hours for a one-lane approach; or five vehicle-hours for a two-lane approach, and
 - 2) The volume on the same minor-street approach (one direction only) equals or exceeds 100 vehicles per hour for one moving lane of traffic or 150 vehicles per hour for two moving lanes, and
 - 3) The total entering volume serviced during the hour equals or exceeds 650 vehicles per hour for intersections with three approaches or 800 vehicles per hour for intersections with four or more approaches
- B) The plotted points representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher-volume minor-street approach (one direction only) for one hour (any four consecutive 15-minute periods) of an average day falls above the applicable curve representing the warrant threshold.

The highest stopped time delay experienced by the westbound Rowland Avenue traffic is 3.6 vehicle-hours, which is less than the threshold defined by the MUTCD. The hourly stopped time delays experienced by the traffic at the study intersection are presented in Table 2. Also, as shown in Figure 3 none of the seven points corresponding to the hourly counts available for this intersection fall above the peak hour vehicular volume curve. Based on this information, the conditions for Warrant 3 are not met.

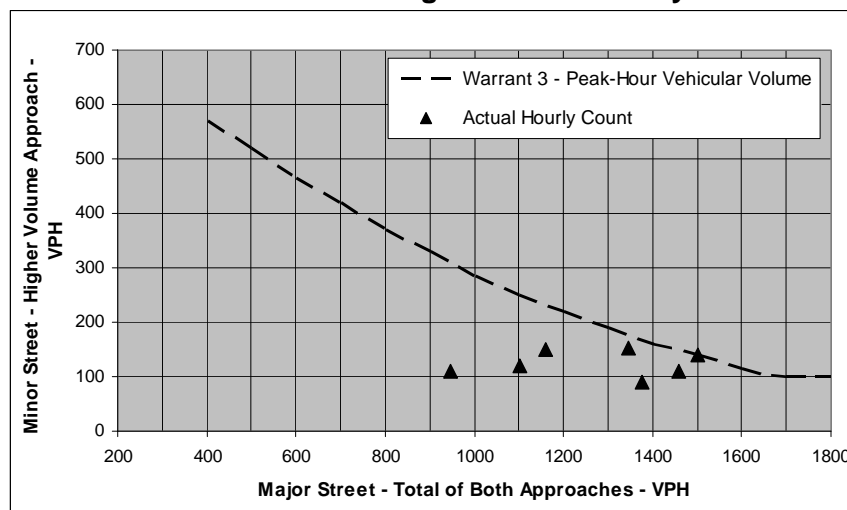
Table 2
Hourly Stopped Time Delays

| Duration | Westbound Rowland Avenue (Vehicle Hours) | Northbound Skidaway Road (Vehicle Hours) | Southbound Skidaway Road (Vehicle Hours) |
|---------------------|---|---|---|
| 7:00 AM – 8:00 AM | 0.8 | 1.1 | 1.2 |
| 8:00 AM – 9:00 AM | 1.1 | 1.3 | 1.4 |
| 11:00 AM – 12:00 PM | 1.3 | 1.4 | 1.5 |
| 12:00 PM – 1:00 PM | 2.7 | 1.7 | 1.8 |
| 4:00 Pm – 5:00 PM | 1.7 | 1.9 | 1.9 |
| 5:00 PM – 6:00 PM | 3.6 | 2.0 | 1.9 |
| 6:00 PM – 7:00 PM | 1.0 | 1.8 | 1.7 |

Note: The westbound approach stopped time delays indicate the delays experienced by all the westbound traffic

The northbound and southbound approach stopped time delays indicate the delays experienced by the left- and right-turning traffic off of the respective approaches

Figure 3
Peak Hour Traffic Signal Warrant Analysis



Note: Points falling above the curve indicate the hours during which the Warrant 3 is met

Warrant 4 – Pedestrian Volume: According to the MUTCD, the need for a traffic control signal at an intersection or midblock crossing shall be considered under the Pedestrian Volume Warrant if both of the following criteria are met:

- A. The pedestrian volume crossing the major street at an intersection or midblock location during an average day is 100 or more for each of any 4 hours or 190 or more during any 1 hour; and
- B. There are fewer than 60 gaps per hour in the traffic stream of adequate length to allow pedestrians to cross during the same period when the pedestrian volume criterion is satisfied. Where there is a divided street having a median of sufficient width for pedestrians to wait, the requirement applies separately to each direction of vehicular traffic.

The traffic count data indicates that number of pedestrians crossing Skidaway Road (major street) is less than 10 pedestrians per hour. Table 3 presents the pedestrian volume at the study intersection. Based on this information, the conditions for *Warrant 4* are not met.

Table 3
Pedestrian Volumes

| Duration | Westbound <i>(Pedestrian/Hour)</i> | Northbound <i>(Pedestrian/Hour)</i> | Southbound <i>(Pedestrian/Hour)</i> |
|---------------------|--|---|---|
| 7:00 AM – 8:00 AM | 0 | 0 | 0 |
| 8:00 AM – 9:00 AM | 0 | 8 | 2 |
| 11:00 AM – 12:00 PM | 1 | 1 | 2 |
| 12:00 PM – 1:00 PM | 3 | 1 | 0 |
| 4:00 Pm – 5:00 PM | 2 | 3 | 3 |
| 5:00 PM – 6:00 PM | 2 | 5 | 3 |
| 6:00 PM – 7:00 PM | 0 | 1 | 2 |

Warrant 5 – School Crossing: According to the MUTCD, the need for a traffic control signal under the School Crossing Warrant shall be considered if the frequency and adequacy of gaps in the vehicular traffic stream, (as related to the number and size of groups of school children at an established school crossing across the major street), shows that the number of adequate gaps in the traffic stream (during the period when the children are using the crossing) is less than the number of minutes in the same period, and there are a minimum of 20 students during the highest crossing hour.

Based on the available information, the conditions for Warrant 5 are not met.

Warrant 6 – Coordinated Signal System: According to the MUTCD, the need for a traffic control signal under the Coordinated Signal System Warrant shall be considered if one of the following criteria is met:

- A. On a one-way street or a street that has traffic predominantly in one direction: the adjacent traffic control signals are so far apart that they do not provide the necessary degree of vehicular platooning.
- B. On a two-way street: adjacent traffic control signals do not provide the necessary degree of platooning, and the proposed and adjacent traffic control signals will collectively provide a progressive operation.

Based on the field conditions, installing a traffic signal would improve traffic platooning conditions along Skidaway Road in the vicinity of Rowland Avenue.

Warrant 7 - Crash Experience: According to the MUTCD, the need for a traffic signal under the Crash Experience Warrant shall be considered if five or more reported crashes (crash types susceptible to correction by a traffic control signal), have occurred within a 12-month period. Each crash must have involved personal injury or property damage apparently exceeding the applicable requirements for a reportable crash.

The Georgia Department of Transportation (GDOT) crash records obtained from the Critical Analysis Reporting Environment (CARE) database show that there were three traffic signal “correctable” crashes at this intersection for the period from December 2005 to November 2006. Based on this information, the conditions for Warrant 7 are not met.

Warrant 8 – Roadway Network: According to the MUTCD, the need for a traffic signal under the Roadway Network Warrant shall be considered if the common intersection of two or more major routes meets one or both of the following criteria:

- A. The intersection has a total existing, or immediately projected, entering volume of at least 1,000 vehicles per hour (vph) during the peak hour of a typical weekday and has 5-year projected traffic volumes, based on an engineering study, that meet one or more of Warrants 1, 2, and 3 during an average weekday; or
- B. The intersection has a total existing or immediately projected entering volume of at least 1,000 vehicles per hour for each of any 5 hours of a non-normal business day (Saturday or Sunday).

During the peak hours more than 1,000 vph enter this intersection and meets the Warrant 2 under the 2007 Existing Conditions. Based on this information, the conditions for Warrant 8 are met.

MEMORANDUM

To: Mike Weiner, City of Savannah
Mark Wilkes, Chatham County-Savannah Metropolitan Planning Commission

From: Steve Cote and Beverly Davis, RS&H

Date: December 20, 2007

RE: Victory Drive Study Area Recommendations

Background

As part of the Congestion Management Process update, RS&H was asked to evaluate both short and long term alternatives in the area surrounding the new Home Depot shopping center on Victory Drive near Skidaway Road. In addition to Home Depot, a Target and Staples have also opened in the same center, as well as several other smaller businesses.

It was determined that updated traffic counts and turning movements in the area were needed to adequately assess and analyze the traffic conditions. RS&H met with MPC staff to determine the appropriate locations for these counts; the proposed count locations were also sent to the City staff for review. The traffic data was collected after the opening of the big box stores the third week of October. In addition to weekday counts, Saturday counts were also collected due to the peak period traffic associated with the businesses at the shopping center.

In addition, an internal staff workshop was held with the City staff, MPO staff, GDOT and RS&H on November 9th to identify any existing projects and to brainstorm on potential solutions for both the short and long terms.

The workshop resulted in identifying the following short term improvement alternatives for testing:

Alternative 1. At the intersection of Wallin Street and Victory Drive, change the northbound and southbound approach left-turn treatments to split phase

Alternative 2. At the intersection of Wallin Street and Victory Drive, add a dual left-turning lane for the northbound approach (exiting the shopping center)

Alternative 3. At the Victory Drive/Wallin Street intersection, prohibit the northbound left-turning movement and relocate them to the intersection of Victory Drive/Aaron's Rent Driveway; analyze roundabout, jug-handle, traffic signal or other innovative similar treatments to facilitate the northbound left-turning traffic and improve the traffic flow entering/exiting the shopping center.

Alternative 4. Signal warrant analysis at the Skidaway Road/Rowland Avenue intersection (City Requested)

It was decided that Alternative 3 was not a feasible option because of the sight distance issues due to the large live oak trees adjacent to Victory Drive. In addition, the implementation of a median cut at the eastern entrance to the shopping center was also decided to be impractical.

Two alternatives for improvements in the long term were identified. These alternatives included the implementation of a frontage road system on the south side of Victory Drive and a slip ramp from the northbound exit ramp of Truman Parkway directly into the shopping center. The potential for extending this connection west of Truman Parkway will also be examined.

Analysis

Alternatives 1 and 2:

These two alternatives were analyzed using Synchro/Sim Traffic. The results of the analysis are summarized below:

- Under the 2010 No Build Conditions, the northbound approach has a maximum queue length of 415 feet, with an average queue length of 175 feet.
- The northbound and southbound left-turn treatment was changed from Protected to Split treatment.
- Two left-turn lanes were provided for the northbound left-turn movement with 125 feet storage lengths.
- With these two improvements, the northbound approach maximum queue length will be reduced to 230 feet, with an average queue of 140 feet.
- The reduction in queue length would facilitate improved flow and better access into parking lots for the vehicles entering the shopping center at this intersection.
- The northbound dual left-turn scenarios with split and protected left-turn treatments were tested. The reduction in queue is not affected by the left-turn treatments; it is affected only by the dual vs. single left-turn lanes.
- By extending the storage lengths to 150 feet, the maximum and average queues for the northbound approaches would be 180 and 100 feet respectively.

A graphic depicting the queue lengths and the impacted area internal to the shopping center is shown in **Figure 1** found on Page 4.

Alternative 3:

While the analysis was completed for the third alternative, because of the associated issues described above, this alternative was not considered viable. In addition, a new signal would be required and the location of the entrance between the signals at Wallin and Skidaway was not a feasible option.

Alternative 4:

The results of the signal warrant analysis indicate that the following four of the eight warrants are met for installing a traffic signal at the intersection of Skidaway Road at Rowland Avenue:

- Warrant #1: Eight-hour Vehicular Volume
- Warrant #2: Four-hour Vehicular Volume,
- Warrant #6: Coordinated Signal System
- Warrant #8: Roadway Network

A full memo describing the signal warrant analysis was provided to City and MPC staff on December 14, 2007.

Recommendations

Although the long term alternatives were not tested for this effort, these potential solutions are considered in the overall recommendations. The following recommendations developed from the analysis include:

- 1. Implement a dual left turn lane configuration for the westbound traffic exiting the shopping center at the Wallin Street\Victory Drive intersection.**
- 2. Reconfigure Rowland Avenue at Skidaway to align with the entrance into the shopping center.**
- 3. Install signal at the new Rowland Avenue/Shopping Center entrance intersection identified in #2 above.**
- 4. Work with the property owners to close off the northernmost entrance bay in the parking lot by the Wallin Street entrance; this is required to allow enough vehicle storage in the dual left turn lane bays .**

It is anticipated that these recommendations, along with the current programmed GDOT projects of dual right turn lanes from the northbound exit ramp of Truman Parkway onto Victory Drive and the extension of the eastbound left turn lane on Victory Drive at Wallin Street will alleviate some of the congestion in the area.

The realignment of Rowland Avenue will work more efficiently both in the short term and in the long term regardless of the recommended alternative. The new alignment consolidates two intersections and provides parallel capacity to Victory Drive directly from the shopping center.

Figure 1. Shopping Center Queue Lengths



Memorandum

Date: January 30, 2008
To: Mark Wilkes, CUTS/MPO
From: Whitney Shephard, RS&H
Subject: CMP travel demand modeling for SR80/Victory Dr reliever

Figure 1 shows a conceptual layout for a potential parallel reliever for SR 80/Victory Drive at Truman Parkway, a congested location in Chatham County. Figure 2 and Figure 3 show alternative network coding to represent the parallel reliever. Figure 2 shows Shell Rd extended through the Home Depot plaza, passing over Truman Pkwy and connecting to Kerry Street, as a reliever to Victory Drive. While Rowland Avenue is a more likely candidate for extension, Rowland Ave is not coded in the original network; therefore, this figure represents a minimal intervention on the base model. Figure 3 shows the network with Rowland Avenue added and extended as a parallel reliever. (Running the travel demand model with the alternative coding helped to verify the results.) In both cases, centroid connector locations were adjusted to represent the local roads not included in the model networks.

The figures that follow show 2030 travel demand model output based on the Chatham County Interstate Study (CCIS) model for the 2030 existing plus committed (2030 EC) road network as well as the 2030 fiscally constrained CUTS model from GDOT. Figure 4 shows the CCIS daily level of service (LOS) and one-way volume model results without any changes to the road network. Figure 5 shows the model results with Shell Road extended. Figure 6 shows the results of adding Rowland Avenue to the model and extending it from its present end. Figure 7 shows the CUTS model results without changes. Figure 8 and Figure 9 show the results with the reliever in place, from Shell Road and Rowland Avenue, respectively.

Table 1 and Table 2 provide a quick summary of the model results. **Overall, the maximum estimated two-way peak hour reduction in traffic on SR80/Victory Drive is 540 vehicles (or a maximum of 210 vehicles per hour per lane). The maximum two-way daily reduction is 3,970 vehicles.** The daily level of service on SR80 at Truman Parkway is 'F' on the worst segments in the base case model results as well as all alternatives tested. However, **daily level of service on many links that are at or near congestion in the base case improves from 'F' to 'D' or 'D' to 'C' with the parallel reliever in place.**

Table 1 Summary of CCIS Model Results

| | 2030 EC Base Scenario | 2030 EC with Parallel Reliever | |
|---|--------------------------------|----------------------------------|--|
| | Original 2030 EC CCIS model | With Shell Rd extended | With Rowland Ave added and extended |
| Max daily two-way volume on SR 80 at Truman Pkwy | 44,220 | 40,250 (3,970 less than base) | 40,410 (3,810 less than base) |
| Peak hour two-way volume estimate on SR 80 | 5,480 | 4,940 (540 less than base) | 4,980 (500 less than base) |
| Reliever max daily volume | - | 6,390 | 5,740 |
| Max peak hour two-way volume estimate on reliever | - | 810 | 720 |

Table 2 Summary of CUTS 2030 Constrained Model Results

| | 2030 Base Scenario | 2030 with Parallel Reliever | |
|---|---|----------------------------------|--|
| | Original 2030 CUTS Constrained model | With Shell Rd extended | With Rowland Ave added and extended |
| Max daily two-way volume estimate on SR 80 | 43,430 | 40,410 (3,020 less than base) | 40,180 (3,250 less than base) |
| Peak hour two-way volume estimate on SR 80 | 5,330 | 4,920 (410 less than base) | 4,920 (410 less than base) |
| Reliever max daily volume | - | 5,280 | 4,990 |
| Max peak hour two-way volume estimate on reliever | - | 630 | 600 |

Note:

1. Modeling assumes trip generation remains constant from base run to both alternatives. That is, trip generation was not rerun for each alternative.

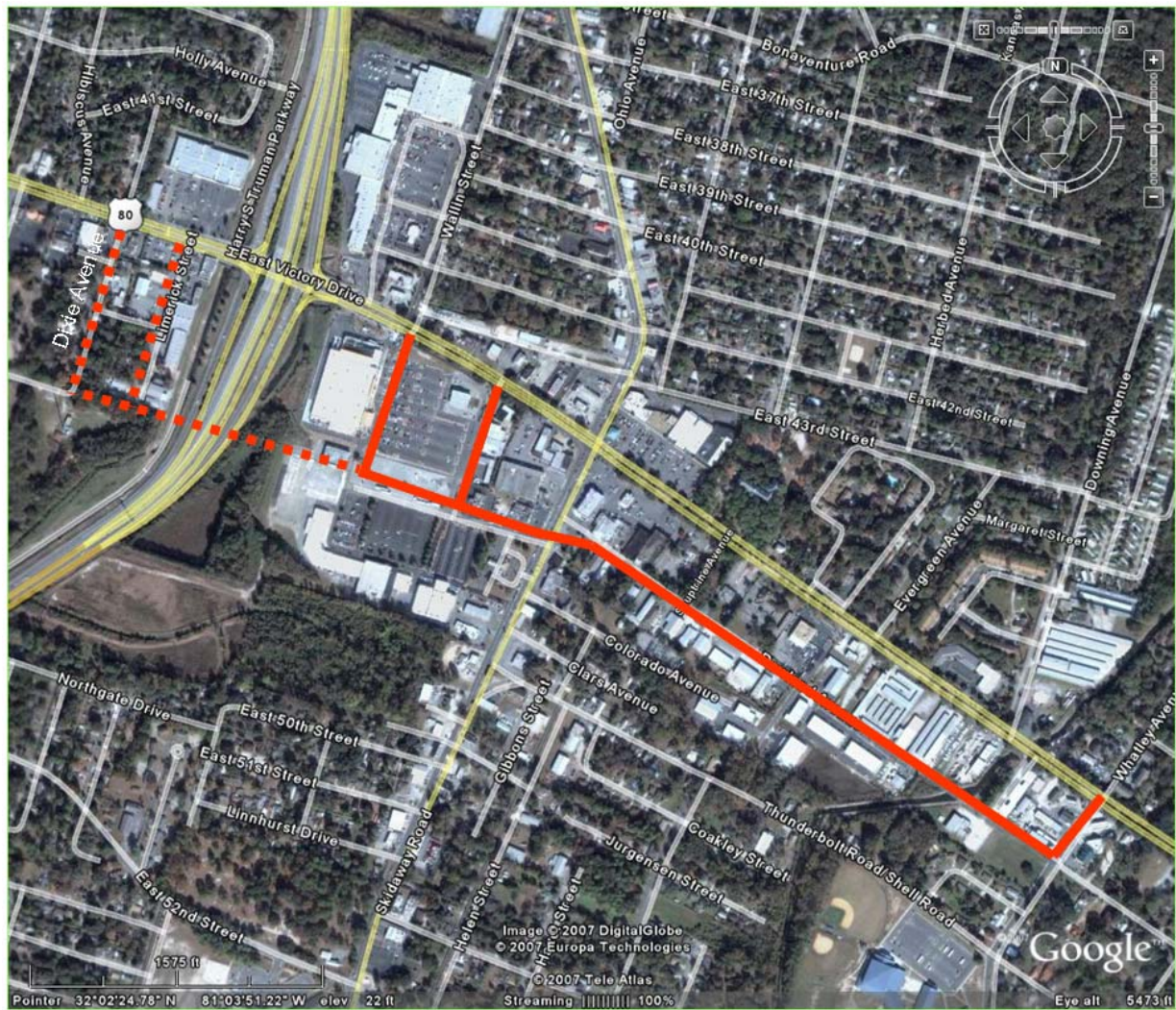


Figure 1 Conceptual layout of SR80/Victory Drive parallel reliever extending west from Rowland Avenue and connecting to Kerry Street west of Truman Pkwy

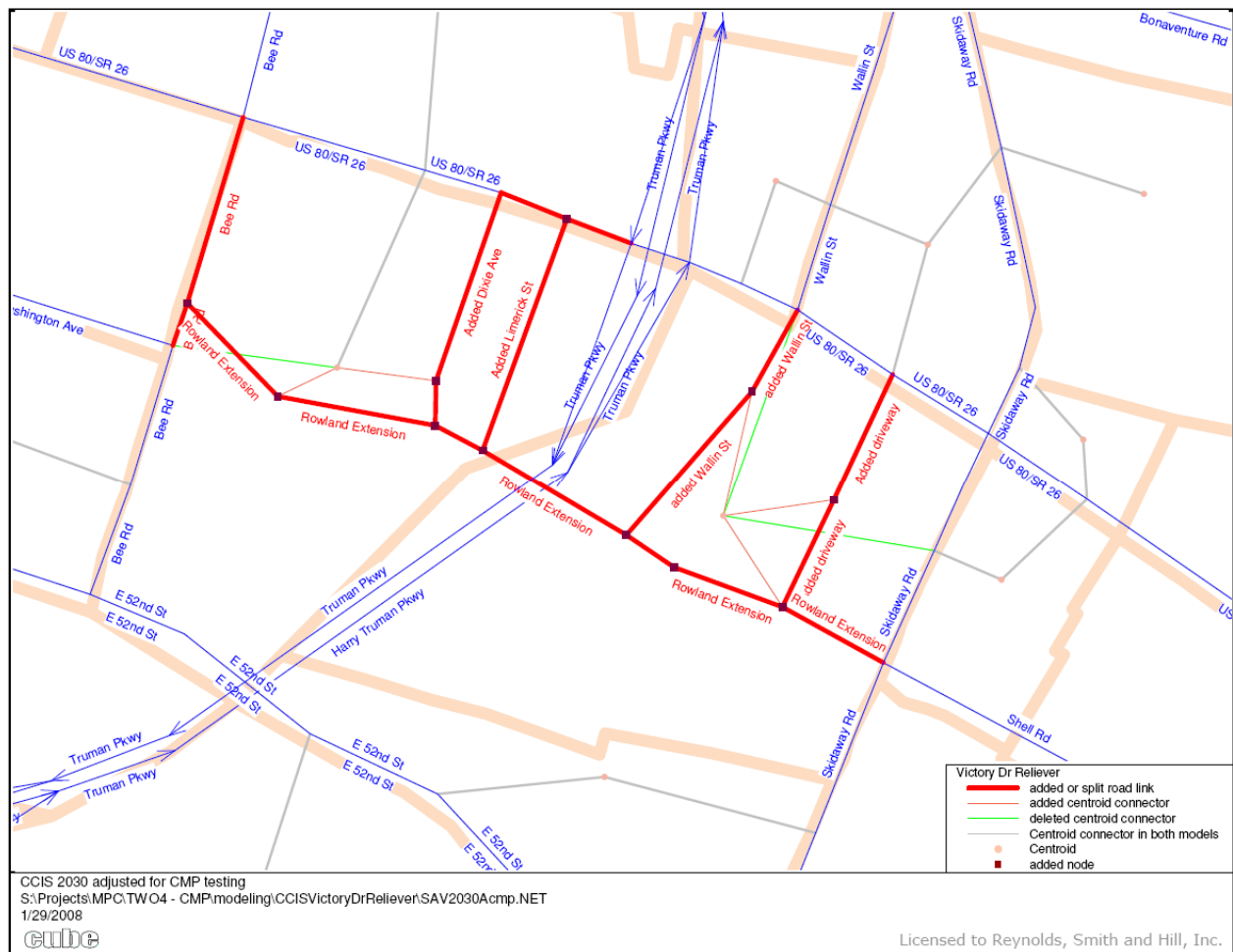


Figure 2 Model network with Shell Road (Thunderbolt Rd) extended west across Truman Pkwy

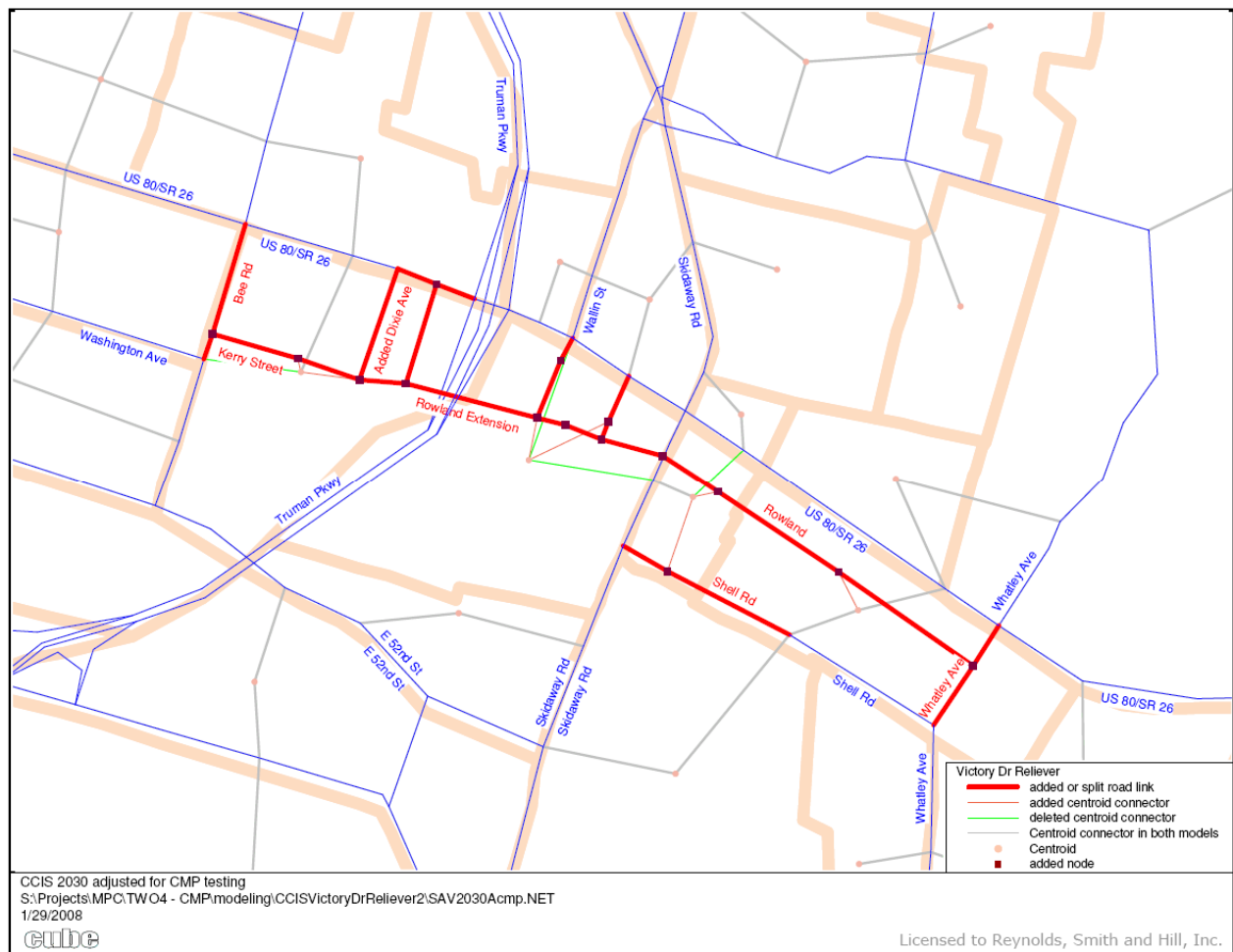


Figure 3 Model network with Rowland Avenue added and extended west across Truman Pkwy



Figure 4 Daily LOS and volume from CCIS 2030 EC model without any changes



Figure 5 Daily LOS estimate and volume with Victory Dr Reliever in place (Shell Rd extended as Rowland surrogate, reference run CCIS#1)

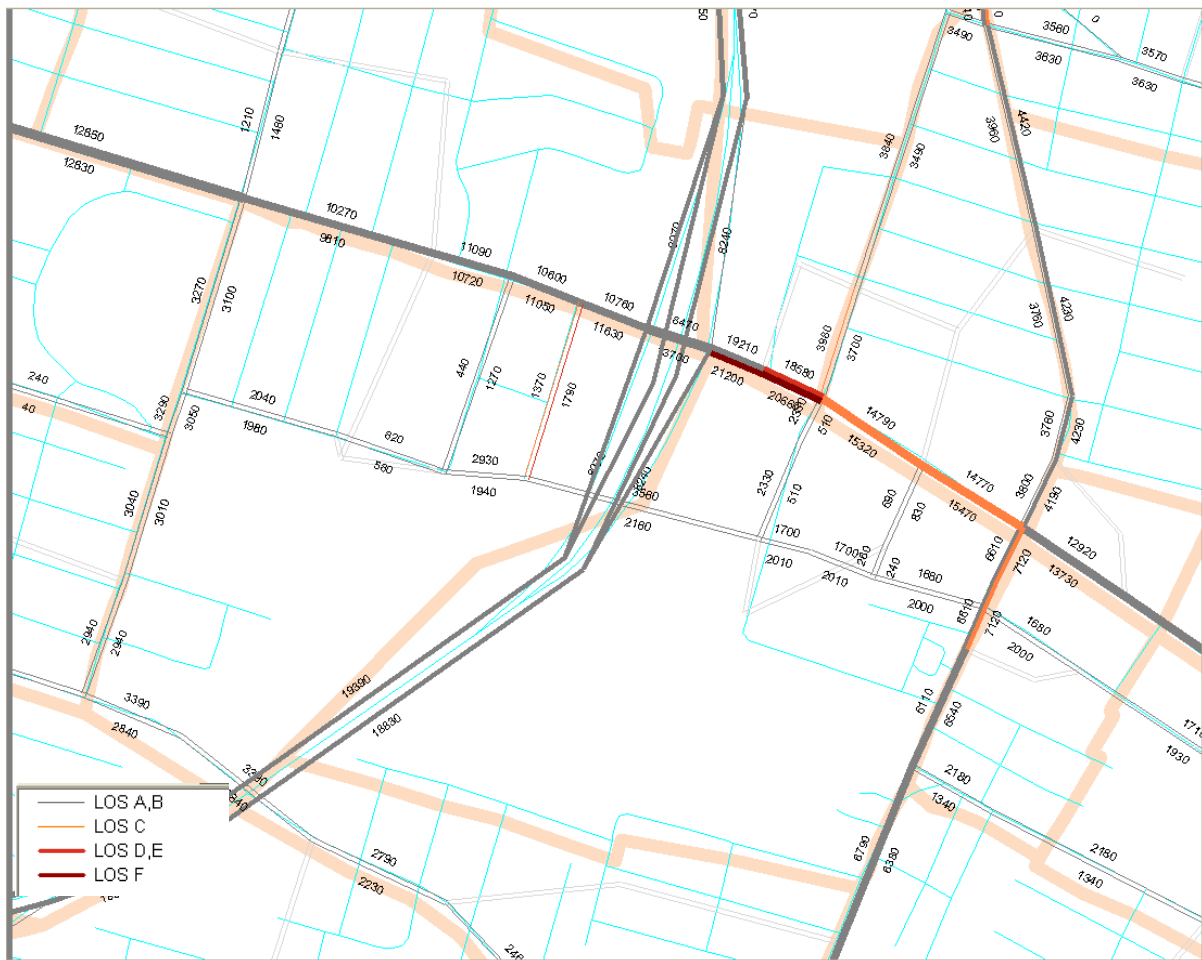




Figure 7 Daily LOS and volume for the CUTS constrained 2030 model with no changes

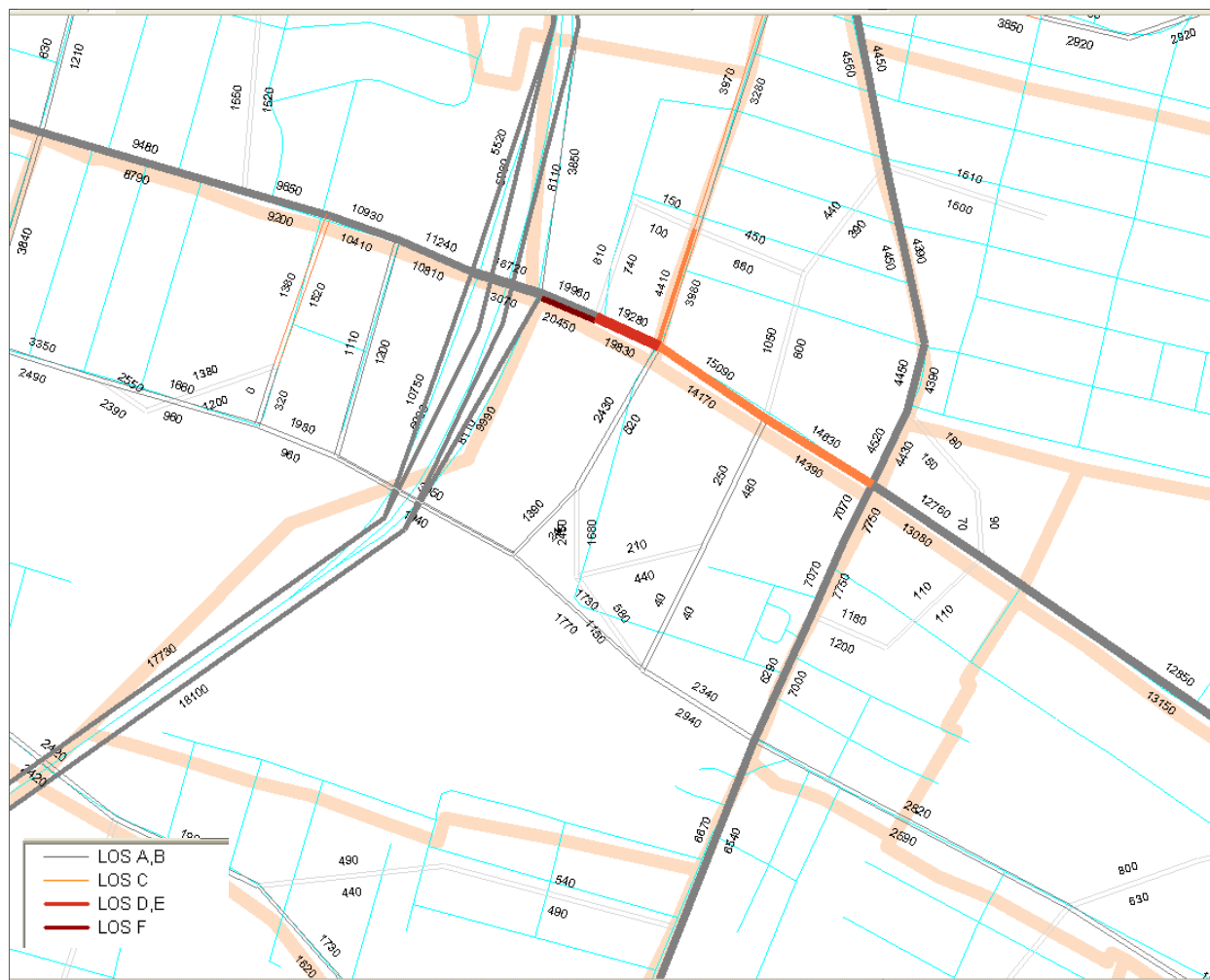


Figure 8 Daily LOS and volume on 2030 constrained CUTS model with Victory Dr/SR 80 reliever in place (as Shell Rd extended)



Figure 9 Daily LOS and volume on 2030 constrained CUTS model with Victory Dr/SR 80 reliever in place (with Rowland Avenue added to the network and extended)

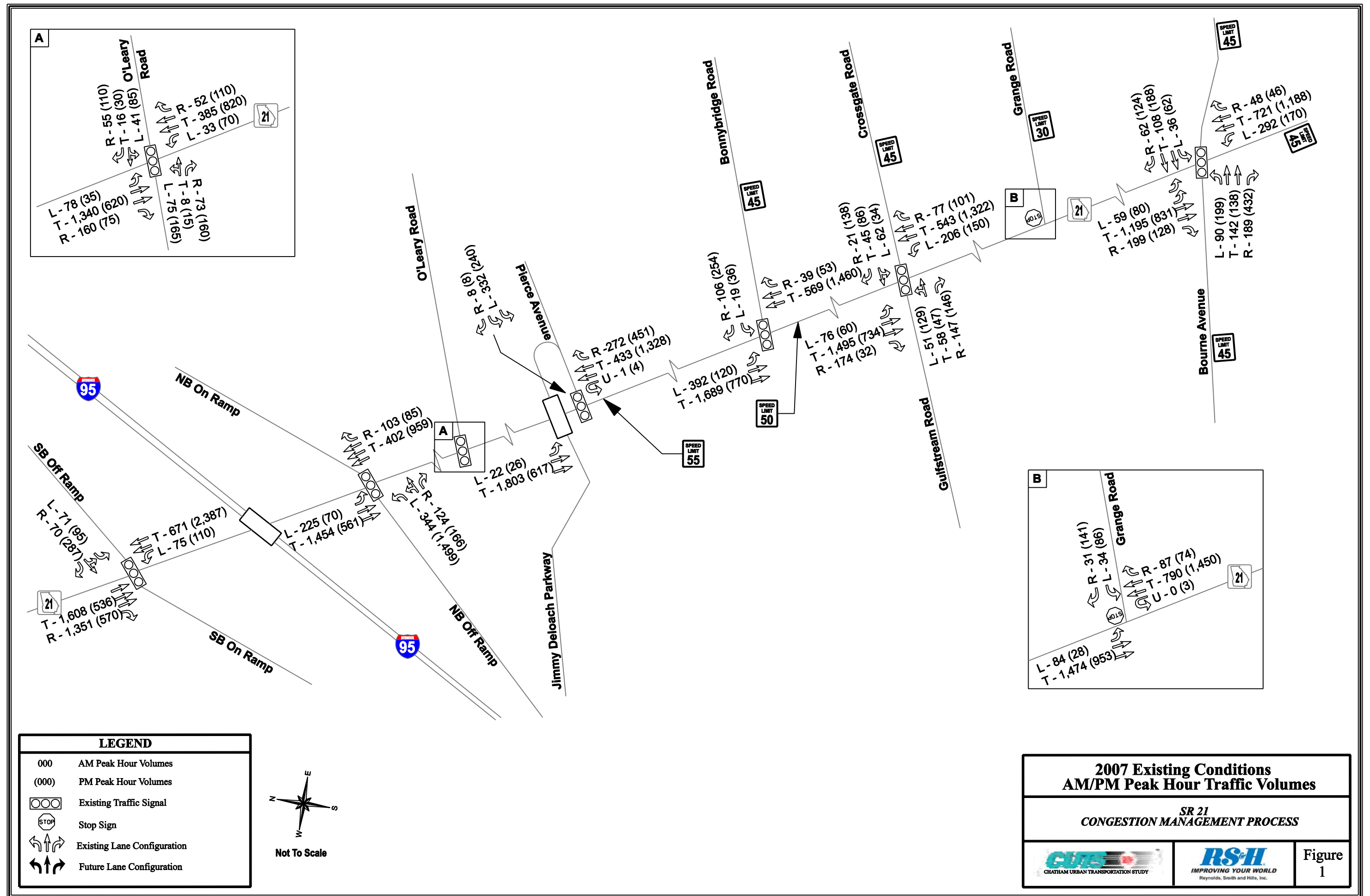
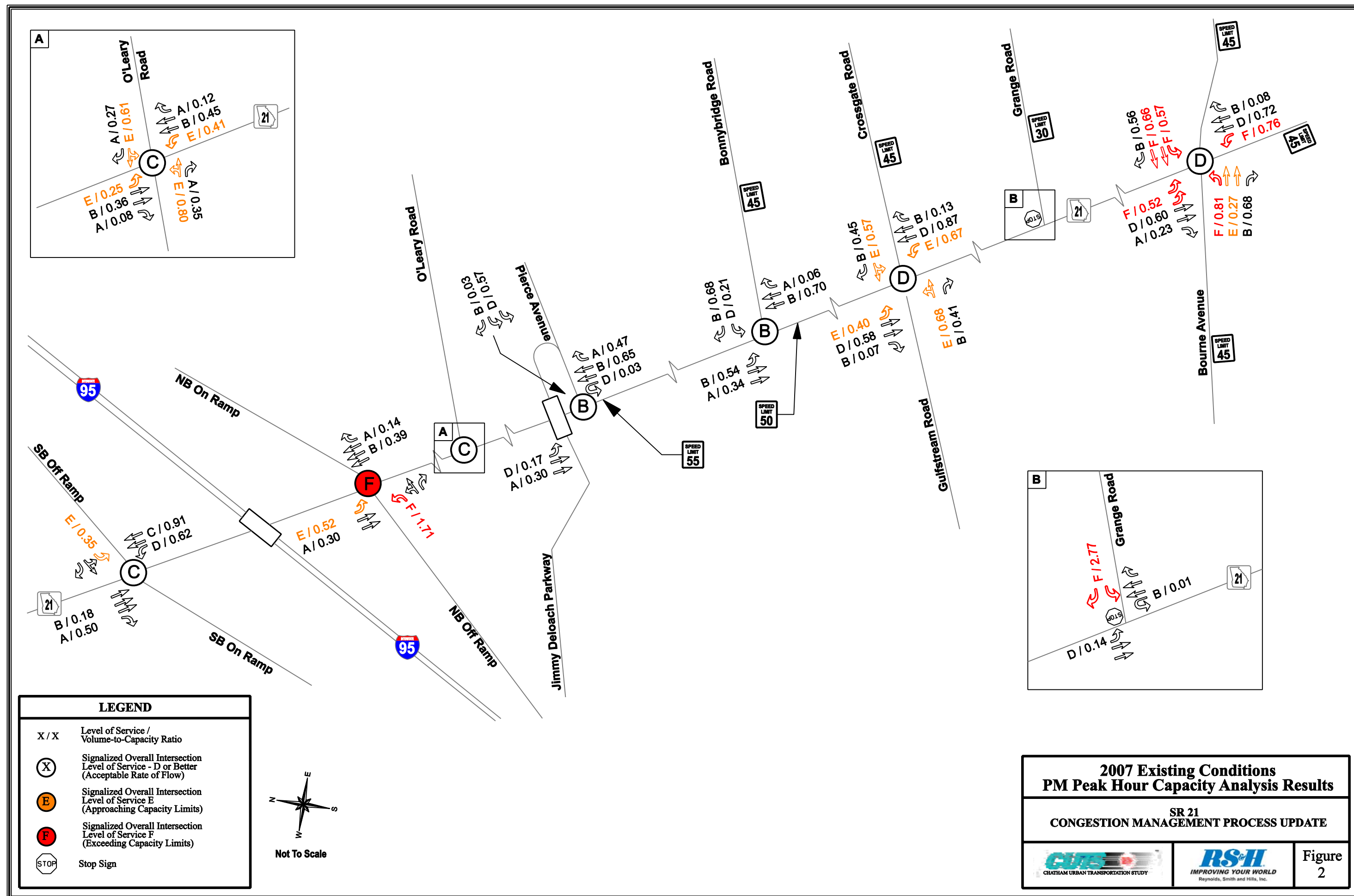


Fig 1 Traffic Volumes.dgn 3/11/2008 9:59:04 AM



Appendix C

Additional Information:

Transportation Management Centers

Table of Contents

| | |
|---|-----------|
| 1.0 COLLABORATION AND COORDINATION: HOW TO IMPLEMENT AND MANAGE A TMC..... | 4 |
| 1.1 Structure | 4 |
| 1.2 Processes..... | 5 |
| 1.3 Products | 5 |
| 1.4 Resources | 6 |
| 1.5 Performance Improvement..... | 6 |
| 2.0 CASE STUDIES | 7 |
| 2.1 Georgia Navigator | 7 |
| 2.2 Capital Wireless Integrated Network (CapWIN) | 11 |
| 2.2.1 Structure | 11 |
| 2.2.2 Processes..... | 12 |
| 2.2.3 Products | 12 |
| 2.2.4 Resources | 12 |
| 2.2.5 Performance Improvement..... | 12 |
| 2.3 Transportation Operations Coordinating Committee (TRANSCOM) | 12 |
| 2.3.1 Structure | 12 |
| 2.3.2 Processes..... | 12 |
| 2.3.3 Products | 13 |
| 2.3.4 Resources | 13 |
| 2.3.5 Performance Improvement..... | 13 |
| 2.4 Southern California ITS Priority Corridor | 13 |
| 2.4.1 Structure | 13 |
| 2.4.2 Processes..... | 14 |
| 2.4.3 Products | 14 |
| 2.4.4 Resources | 14 |
| 2.4.5 Performance Improvement..... | 14 |
| 2.5 Summary of TMCs in the United States | 14 |
| 3.0 OPERATIONS EQUIPMENT | 15 |

List of Tables

| | |
|---|----|
| Table 1. Action Steps for Regional Operations Collaboration and Coordination: Structure | 5 |
| Table 2. Action Steps for Regional Operations Collaboration and Coordination: Processes | 5 |
| Table 3. Action Steps for Regional Operations Collaboration and Coordination: Products | 6 |
| Table 4. Action Steps for Regional Operations Collaboration and Coordination: Resources | 6 |
| Table 5. Action Steps for Regional Operations Collaboration and Coordination: Performance Improvement | 7 |
| Table 6. Annual Benefits of Georgia Navigator | 9 |
| Table 7. Summary of TMC Costs | 15 |

List of Figures

| | |
|---|----|
| Figure 1. Typical Operations at the Georgia Navigator TMC | 8 |
| Figure 2. Average Incident Duration | 10 |
| Figure 3. Total Delay | 10 |
| Figure 4. Initial and Secondary Crashes | 11 |
| Figure 5. Closed-Circuit Television Camera | 16 |
| Figure 6. Ramp Meter | 16 |
| Figure 7. Changeable Message Sign (I) | 17 |
| Figure 8. Changeable Message Sign (II) | 17 |
| Figure 9. Video Detection System | 18 |
| Figure 10. Inside a TMC Facility (I) | 18 |
| Figure 11. Inside a TMC Facility (II) | 19 |
| Figure 12. Callbox | 20 |

1.0 Collaboration and Coordination: How to Implement and Manage a TMC

A successful TMC relies on collaboration and coordination among an alliance of agencies. This may occur initially in response to a particular project or special event, such as the Olympic Games. An ongoing process, however, requires a commitment by participating agencies to an intentional, focused effort toward regional operations. To support these efforts, there must be a pool of qualified staff and related resources among the participating agencies. In addition, there may need to be interagency positions to facilitate collaboration among the agencies.

Regional operations collaboration and coordination may be accomplished through a series of action steps that address *Structure, Processes, Products, Resources, and Performance Improvement*. These elements are explained in further detail below. The majority of this information was adapted from the Federal Highway Administration's *Regional Transportation Operations Collaboration and Coordination*.¹

1.1 Structure

The structure of the operations environment within a TMC is represented by the relationships among participating agencies that enable collaboration and coordination. This may be a formal structure with legal authority or an informal, ad hoc arrangement whereby the agencies work toward common goals. These structures often evolve from less to more formal as agencies realize the benefits of operations collaboration. To be most effective, the structure of the operations environment should be linked to regional transportation planning; that is, while the initial structure may be a response to a specific need or special event, long-term success is achieved by tying operations management to regional transportation plans and programs, as well as transportation investments.

A variety of agencies may participate in the TMC operations, including the following:

- State Department of Transportation
- Metropolitan Planning Organization
- County or City Government
- Transit Authority
- Emergency Management
- Police
- Fire Department
- Chamber of Commerce

The particular participants within a region depend on the purpose of the TMC, its goals and objectives, and the willingness of agencies to participate in the process. Transportation Management Areas, which are urbanized areas with a population of over 200,000², are required to develop a Congestion Management Process (CMP) for the region. The CMP outlines how congestion will be managed through a series of recommendations. TMCs are often part of these recommendations, and have proven to be an effective means to manage congestion in a region.

The following table presents action steps for collaborating agencies to address the structure of operations management within a TMC.

¹ Regional Transportation Operations Collaboration and Coordination: A Primer for Working Together to Improve Transportation Safety, Reliability, and Security. U.S. Department of Transportation, Federal Highway Administration. http://www.itsdocs.fhwa.dot.gov/IPODOCS/REPTS_TE/13686.html

² As of latest U.S. Census

Table 1. Action Steps for Regional Operations Collaboration and Coordination: Structure

| |
|--|
| 1. Identify key constituencies (e.g. employers, developers, communities) who support better system performance. |
| 2. Enlist regional champions/leaders who are committed to working together (and encouraging others to work with them) in support of better system performance. |
| 3. Develop a vision for regional transportation system performance that is shared by operators, service providers, and planners. |
| 4. Establish operations as a regular item on the regional planning agenda. |

Source: FHWA

1.2 Processes

Processes address how decisions are made among collaborating agencies to improve systems performance. An effective approach includes the consideration of capital improvements, multimodality, and other regional objectives that address the economy, environment, and mobility needs. The sharing of information and data is critical in the management of a TMC. This data is used to assess current transportation operations and identify trends that indicate specific needs for the transportation system.

The following table presents action steps for collaborating agencies to address processes within a TMC.

Table 2. Action Steps for Regional Operations Collaboration and Coordination: Processes

| |
|---|
| 1. Make investments decisions based on the best combinations of capital investments and operations strategies (performance-based planning) |
| 2. Ensure that the solutions (project) selection process and criteria provide a level playing field for operational improvements and investments. Tools are available to show the benefits of operational improvements. |
| 3. Address operations activities (e.g. incident management, traveler information) in multimodal corridor planning. |
| 4. Use operations performance audits (e.g. corridor-wide) as a tool for guiding investment choices. |
| 5. Leverage operations to achieve regional goals (or meet other commonly sought outcomes). |

Source: FHWA

1.3 Products

Once a TMC is fully functional, its products are typically the data, programs, plans, and other initiatives that are a direct result of the structure and processes of a TMC. These may include corridor studies, travel time data, volume counts, traffic monitoring, and so forth.

On a higher level, initial products of regional collaboration are the shared vision, strategies, and concept of operations that guide the management of the TMC. It defines what the participating agencies would like to accomplish, how that will be accomplished, what resources are needed (e.g., time, money, staff, equipment), and how the agencies should best work together to achieve this.

The following table presents action steps for collaborating agencies to address the products for a TMC.

Table 3. Action Steps for Regional Operations Collaboration and Coordination: Products

| | |
|----|--|
| 1. | Provide a current conditions baseline to calibrate long-range planning |
| 2. | Develop a regional concept of operations that sets performance expectations for regional operators (priorities, projects, improvements, processes, performance, resources) |
| 3. | Get buy-in for the regional operations implementation agenda from public safety providers and agencies that operate elements of transportation systems. |
| 4. | Make the regional operations implementation agenda a necessary input into the transportation improvement plan/long-range plan (TIP/LRP). |
| 5. | Use market research as the common link between operations (customer feedback) and planning (planning input). |

Source: FHWA

1.4 Resources

A TMC is operated with a pool of resources contributed by participating agencies. These resources include funding, staff, data, equipment, and other elements necessary to operate the center. The initial funding of regional operations typically comes from individual agency budgets, when the structure is not as formalized. As the TMC becomes fully functional, it is usually designated as a separate entity that receives funding from the participating agencies.

The following table presents action steps for collaborating agencies to address resources needed for a TMC.

Table 4. Action Steps for Regional Operations Collaboration and Coordination: Resources

| | |
|----|---|
| 1. | Ensure linkages to the overall regional transportation planning process for needed investment in operations. |
| 2. | Use available funds to support convening activity for operators and planners. |
| 3. | Ensure that everyone at the regional collaboration and coordination table perceives a return on investment of time and other resources. |
| 4. | Use operations performance audits (e.g., corridor-wide) as a tool for guiding investment choices. |
| 5. | Make resources sufficiently available and flexible to effectively fund regional planning for operations activities and initiatives. |

Source: FHWA

1.5 Performance Improvement

Performance improvement addresses the objectives of the TMC and how their success is measured. These may address public safety, security, mobility, and other elements addressed by operations management. Performance measures also encompass monitoring and reporting how well the specific systems or programs are operating, such as traffic signal controllers, surveillance equipment, and incident response.

The following table presents action steps for collaborating agencies to address performance within a TMC.

Table 5. Action Steps for Regional Operations Collaboration and Coordination: Performance Improvement

| 1. Agree on expected levels of performance and the need for improvement. |
|--|
| 2. Develop and accept relevant regional performance measures. |
| 3. Provide regular status reports on regional transportation system operations performance. |
| 4. Share, link, and provide system managers and users with access to real-time and archived system performance data. |

Source: FHWA

2.0 Case Studies

The following sections present additional case studies of TMCs according to the key elements presented in the previous sections: *Structure, Processes, Products, Resources, and Performance Improvement*. The majority of this information was adapted from the Federal Highway Administration's *Regional Transportation Operations Collaboration and Coordination*.³

2.1 Georgia Navigator

As previously stated, the GDOT created its Intelligent Transportation System, Georgia Navigator, in 1996 in anticipation of the Olympic Games in Atlanta to improve and monitor traffic mobility. The central hub of the Georgia Navigator TMC Center is in Atlanta, supported by several Transportation Control Centers through the metro Atlanta area. Since 1996, operations have expanded to include areas throughout the State, including a separate Transportation Control Center in Macon.⁴

Georgia Navigator coordinates with a variety of agencies within and outside GDOT. Within GDOT, these include:

- Office of Traffic and Safety Design (for ITS design services and project programming)
- Office of Maintenance (for emergency operations)
- Office of Construction (to coordinate ITS construction projects and traveler information for major GDOT construction projects)
- Office of Communications (for public information)
- Information Technology (for hardware and software support)
- Office of Utilities (for utility coordination in project design)
- Office of Oversize/Overweight Permits (for maintenance of ITS at weigh stations)
- Macon Regional TMC

Outside of GDOT, the TMC coordinates with additional agencies:

- Georgia Emergency Management Agency (GEMA)

³ Regional Transportation Operations Collaboration and Coordination: A Primer for Working Together to Improve Transportation Safety, Reliability, and Security. U.S. Department of Transportation, Federal Highway Administration. http://www.itsdocs.fhwa.dot.gov/IPODOCS/REPTS_TE/13686.html

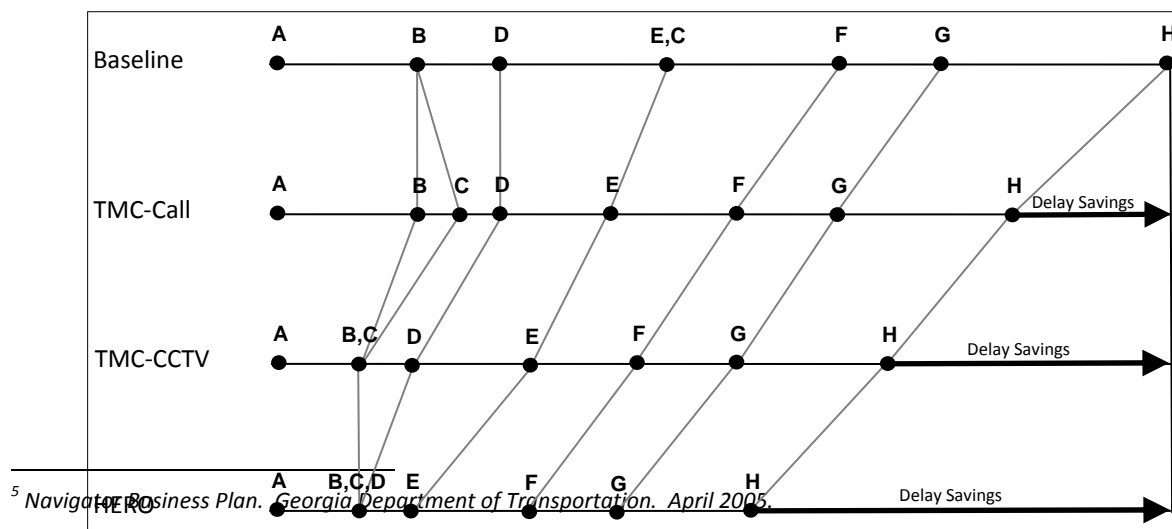
⁴ Navigator Business Plan. Georgia Department of Transportation. April 2005.

- Local fire, police, EMS, and 911 centers
- Atlanta Regional Commission (ARC)
- Georgia Regional Transportation Authority (GRTA)
- Federal Highway Administration (FHWA)
- Towing and Recovery Association of Georgia (TRAG)
- Multi-state ITS Software Consortium (MISC)
- I-95 Corridor Coalition
- Georgia State Patrol (GSP)
- Department of Motor Vehicle Safety (DMVS)

Georgia Navigator's major functions are (a) Freeway and Arterial Management and (b) Incident Management. The TMC maintains mobility along the state's freeways and arterials through a system of cameras, detectors, ramp meters, and other infrastructure that support ITS information. These relay information such as travel time and major incidents to the TMC, which then disseminates the information to the public and the media. With Incident Management, the TMC coordinates human and technical resources to reduce the duration and impact of incidents, and improve the safety of motorists, victims, and safety responders. One of the most successful aspects of the Incident Management program is the implementation of HERO (Highway Emergency Response Operator) vehicles. These help restore traffic flow by responding quickly to incidents and clearing the roadway of stalled vehicles. Another element of the program is changeable message signs, which relay travel time and incident information to motorists along arterials and interstate highways. In addition, Georgia Navigator has a website that displays travel and incident information, as well as a phone line that motorists can call to receive real-time travel information.⁵

Figure 1 below shows a time-scaled chart of typical operations at the Georgia Navigator TMC. The baseline conditions exhibit operations to respond to an incident without the Georgia Navigator system. The next three lines exhibit operations to respond to an incident with a phone call to the TMC; detected by CCTV cameras; and response by a HERO unit, respectively. The chart shows that the Georgia Navigator system yields significantly lower response times, incident clearance times, and time to return to normal traffic flow, compared to operations with the Georgia Navigator system in place.

Figure 1. Typical Operations at the Georgia Navigator TMC



Source: Benefits Analysis for the NaviGator Program, August 2006

Key:

A = Incident Occurs E = Response Arrives
 B = Incident Reported F = Partial Clearance
 C = Incident Verified G = Full Clearance

Note: Figure is not to scale

A significant expenditure of funds is required to operate the Georgia Navigator TMC. For the 2003/2004 fiscal year, the annual capital, operating, and maintenance expenses were \$42.5 million.⁶ However, the program has created far more benefits in cost savings. The table below is a synopsis of the annual benefits derived from the Navigator system's Incident Management program between May 2003 and April 2004.

Table 6. Annual Benefits of Georgia Navigator

| Benefits Measure | Benefit | Cost Savings |
|-----------------------|---|----------------------|
| Mobility | 7,254,495 vehicle-hours of incident-delay savings | \$152,053,180 |
| Environmental | 186 tons of HC emissions reduced | \$20,243,009 |
| | 2,457 tons of CO emissions reduced | |
| | 262 tons of NO _x emissions reduced | |
| | 5,172,455 gallons of gasoline consumption reduced 1,658,170 gallons of diesel fuel consumption reduced | \$10,365,969 |
| Customer Satisfaction | 49,051 motorist assists provided to travelers | \$2,955,323 |
| Safety | 466 secondary crashes reduced | \$1,614,564 |
| Total | | \$187,228,535 |

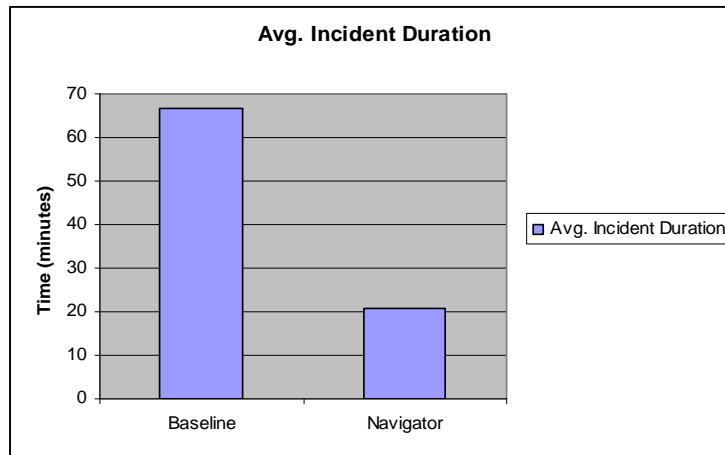
Source: Benefits Analysis for the GDOT Navigator Program – Executive Summary. August 2006.

The benefit of approximately \$187 million in cost savings compared to the \$42.5 million expenditure for the system creates a benefit-cost ratio of 4.4 to 1.

Below, Figures 2 through 4 show additional quantifiable benefits of the Georgia Navigator system.

⁶ Benefits Analysis for the GDOT Navigator Program – Executive Summary. August 2006.

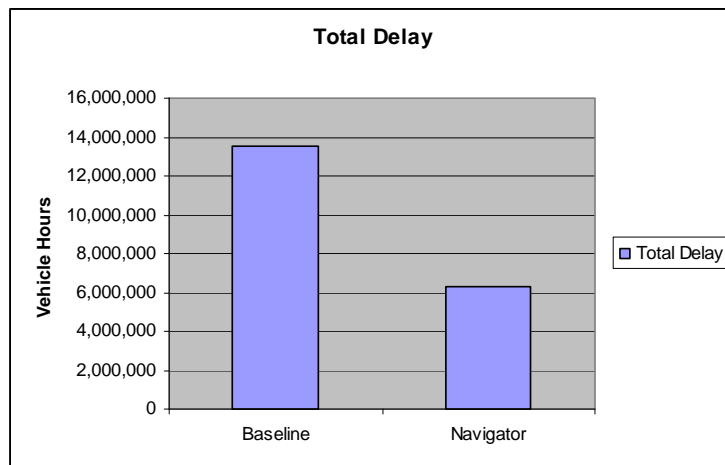
Figure 2. Average Incident Duration



Source: Georgia Navigator

The Navigator program caused a 68.9% decrease in the duration of an accident event. The duration is defined as from the time of the accident to the point of clearance and full flow of traffic.

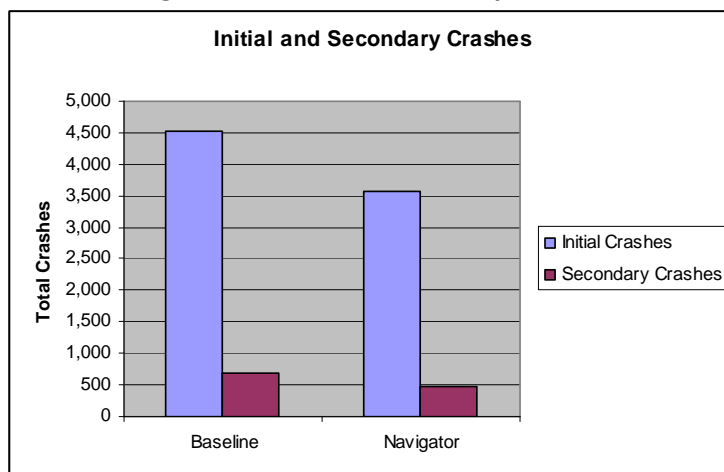
Figure 3. Total Delay



Source: Georgia Navigator

The Navigator program provided a 53.6% decrease in total vehicle hours during incident duration.

Figure 4. Initial and Secondary Crashes



Source: Georgia Navigator

The Navigator program caused initial crashes to drop by 20.8%, while the secondary crash rate dropped by 31.1% per incident.

2.2 Capital Wireless Integrated Network (CapWIN)

CapWIN, an integrated transportation and criminal justice information wireless network, is being developed to address better coordination and information-sharing among public safety and transportation agencies and organizations in Maryland, Virginia, and Washington, DC. Currently, agencies in the DC region cannot directly communicate in a mobile environment. Rather, when incidents occur, responders use their own communication centers to pass messages among other responders. CapWIN will allow these agencies to communicate directly with each other and access information to plan and implement traffic control during major incidents. Law enforcement and emergency medical services will also use CapWIN to share critical information across counties and regions and improve response to emergencies. The transportation-related benefits of CapWIN include:

- Reduced traffic delays,
- Increased customer satisfaction,
- Shared historical information among agencies,
- Improved resource allocation through real-time information,
- Increased worker safety in construction zones,
- Improved response to natural and man-made disasters,
- Increased transportation and public safety assistance through increased information, and
- Reduced duplication of expenditures on technology.

2.2.1 Structure

Law enforcement, fire and rescue, EMS, transportation agencies, motorist assistance services, information service providers, the media, and other incident responders have committed to working together to improve communications and to facilitate a coordinated response to emergencies. CapWIN has user groups that develop the strategic plan and other aspects of the project.

2.2.2 Processes

Improved voice and data communications have enhanced the capabilities of the agencies to respond to traffic incidents. The Coordination Working Group allows interested parties to coordinate their respective activities to minimize overlap of initiatives and pool resources.

2.2.3 Products

A strategic plan outlines function needs, system requirements, security requirements, information priorities, implementation strategy, and a long-term business plan to address ongoing operations and maintenance. Memorandums of understanding have been developed with each participating agency for the maintenance and long-term requirements of the network.

2.2.4 Resources

The participating public safety and transportation agencies are interested in developing partnerships to share limited resources and improve safety for their customers. CapWIN creates guidelines and standards in public safety and transportation communication systems, so that agencies' systems are compatible with one another (thus saving the agencies from costly, incompatible technologies). These improved systems are seen as a return on investment of time and resources.

2.2.5 Performance Improvement

The integrated wireless network allows transportation agencies to communicate directly and share real-time and historical information, which improves system performance. Collected data is put into an accessible, readily understandable format that can be utilized regardless of location in national, state, or local databases.

2.3 Transportation Operations Coordinating Committee (TRANSCOM)

TRANSCOM was created in 1986 as a regional coordination effort for construction projects in New York, New Jersey, and Connecticut. Since then, its role has expanded to include the distribution of traffic and incident information and the management of regional ITS programs. The intent of TRANSCOM is to enable the collaboration of multiple planning and operating agencies to improve transportation throughout these states. The agencies share traffic, incident management, and construction information through the use of sophisticated software. The communication among the agencies helped coordinate the management of the transportation system on September 11, 2001.

2.3.1 Structure

TRANSCOM was formed by the region's transportation leaders. Its 16 member agencies, which include State and City Departments of Transportation, toll authorities, transit authorities, and the State police, are champions for regional collaboration and better system performance. TRANSCOM also has relationships with more than 100 additional entities, including local governments, police, fire, emergency services, and planning organizations. Both planners and operators participate in TRANSCOM's activities, thereby creating a shared vision for the region's transportation system.

2.3.2 Processes

TRANSCOM was formed as a means to collectively address traffic, incident management, and construction issues, and to determine collaborative, multimodal approaches to solving the region's transportation problems.

2.3.3 Products

TRANSCOM maintains planning documents such as a multiyear strategic plan, an annual business plan and budget, information and communication systems plan, and a technology programs development plan.

2.3.4 Resources

TRANSCOM utilizes the resources of multiple agencies to collect and disseminate incident and event information. TRANSCOM's agencies collaborate to bring transportation funding into the region. Agencies would not be willing to participate in TRANSCOM if they did not see a return on investment of their time and resources.

2.3.5 Performance Improvement

TRANSCOM does not currently have performance standards, but it acknowledges the need for them and expects to develop them in the future. TRANSCOM's operations depend on real time and archived data shared among the involved agencies. The Operations Information Center collects and disseminates real-time incident and construction information to members and affiliated agencies 24 hours a day, and maintains a database of construction projects.

2.4 Southern California ITS Priority Corridor

Southern California has suffered through severe congestion and extreme air pollution over the past several years. Due to its federal air quality non-attainment status, no major expansions are planned for the region's freeway network. In addition, there are no increases expected in transit operations. Because of this, local officials have turned to operations-based solutions to manage the region's transportation network. As one of the Nation's four designated ITS Priority Corridors, the Southern California region receives Federal funds for ITS strategic planning and deployment. The ITS Priority Corridor Steering Committee, a partnership of 16 public entities, was formed to oversee the program, which allows:

- Multi-jurisdictional collaboration of multiple MPOs and state and local transportation agencies,
- Stakeholder participation,
- Movement from a major planning to an operations initiative,
- Integration of extensive ITS infrastructure, enabling traffic management centers to share data and traffic operations control, and
- Regional traveler information, which is of great value to the region's motorists.

As a result of the strategic planning and design by the Priority Corridor Steering Committee, an intermodal transportation management and information system will be implemented that allows for the integration of existing and future transportation management systems. This system will continuously evolve to fit with future transportation management initiatives.

2.4.1 Structure

Members of the ITS Priority Corridor Steering Committee include Caltrans (the State Department of Transportation), the California Highway Patrol, six county transportation authorities/commissions, two MPOs, one air quality management district, and three regional ITS strategic planning subcommittees. Additional participants include the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), and local transportation agencies. Because the Priority Corridor decision making

process was conducted outside the bounds of traditional transportation funding processes, the participants have had to work hard to sustain political buy-in and acquire champions for their programs.

The operators and planners on the Steering Committee share a common vision for the improvement of Southern California's transportation system through integrated ITS systems, and they have agreed to expand the scope of the program to include all modes and all roads from Los Angeles to the Mexican border. The Priority Corridor has fostered new relationships among planners and operators, and promotes a common understanding of each other's missions that has resulted in the movement of the regional initiative from major planning to operations.

2.4.2 Processes

The Priority Corridor integrates traveler information from several sources, and therefore is a valuable resource for travelers. The network also links the four Caltrans TMCs, thereby enabling contingency control during emergencies so that one TMC can take control for another if needed. The Priority Corridor Committee assesses the value of ITS projects on a regional or corridor-wide basis.

2.4.3 Products

The Priority Corridor is characterized by decentralized information-sharing and an open system architecture that supports technical information-sharing and the integration of different systems. The agencies that operate the transportation systems in Southern California acknowledge the concept of operations. The concept of operations creates the strategy to "develop once, deploy many times," thereby allowing for cost sharing among the agencies.

2.4.4 Resources

All groups involved in the Priority Corridor see a return on investment of their time and resources because they are now able to access each other's data, share the costs of system upgrades and new technology applications, and communicate better among planners and operators. Funding has been made possible through Federal grants, which continued through 2002.

2.4.5 Performance Improvement

The integration of the various agencies' ITS infrastructures in the Priority Corridor enables data to be shared, linked, and made accessible to operators and planners throughout the region.

2.5 Summary of TMCs in the United States

Most major cities with a metropolitan population of over 3 million people have a TMC to monitor congestion. Table 7 below gives examples of TMCs in major metropolitan areas in the United States. The CUTS metropolitan area has a significantly lower population than these example cities; therefore, the costs associated with a TMC for CUTS would be lower, and the center would likely not require as much equipment and infrastructure.

Table 7. Summary of TMC Costs

| TMC Location | Program Name | Capital Cost (\$) | Size of TMC | Metro Population ⁷ | TMC Service Area | Cameras | Message Signs |
|--------------------|----------------|--|---------------|-------------------------------|-------------------|---------|------------------------|
| Houston, TX | TransStar | \$11.5 Million, TMC Only | 52,000 sq ft | 5,539,949 | 5,436 square mi. | 600 | 63 |
| Los Angeles, CA | LARTMC | \$46 Million | 13,400 sq ft | 12,950,119 | 1,188 freeway mi. | 350 | 109 |
| Seattle, WA | ETMC | Not Available | Not Available | 3,263,497 | 71 centerline mi. | 120 | N/A |
| Atlanta, GA | NAVIGATOR-ATMS | \$14 Million, TMC Only \$140 Million, Total Project | 73,500 sq ft | 5,138,233 | 480 mi. | 574 | 101 |
| Ft. Lauderdale, FL | SMART SunGuide | \$36 Million | 42,000 sq ft | 5,463,857 | N/A | 145 | 72 |
| Charleston, SC | No Name | \$300,000, TCC Only | Not Available | 603,178 | Not Available | | |
| Clayton Co, GA | No Name | \$4.5 Million | 1,500 sq ft | 271,240 ² | 143 square mi. | 56 | 3, other signs by GDOT |

Source: TransStar, LARTMC, ETMC, Georgia Navigator, SMART Sun Guide

3.0 Operations Equipment

This section presents images of operations equipment commonly employed in Transportation Management Centers. The equipment pictured is recognized throughout the industry as standard.

A closed-circuit television (CCTV) camera (Figure 6) provides comprehensive coverage of the roadway and allows the TMC to monitor this section of road at all times. An example of a CCTV camera is shown below.

⁷ Metropolitan Population includes areas beyond the incorporated city of the TMC location.

² Clayton is the 3rd smallest county in Georgia, but the 5th most populous county.

Figure 5. Closed-Circuit Television Camera



Source: Minnesota Department of Transportation

A ramp meter (Figure 7) is a traffic signal placed at a freeway on-ramp to regulate the flow of traffic on the freeway. These are typically installed to alleviate bottlenecks at freeway entrances due to queuing traffic, and can also have the effect of causing motorists to choose alternate routes (thereby reducing congestion on the freeway).

Figure 6. Ramp Meter



Source: Arizona Department of Transportation

A changeable message (Figures 7 and 8) sign is installed on limited-access highways or major arterial to provide real-time information to motorists. These are typically managed by the TMC. The information displayed may include travel times, notification of traffic incidents, alternate routes recommended, or public service messages issued by law enforcement.

Figure 7. Changeable Message Sign (I)



Source: Metropolitan Transportation Commission, San Francisco, CA

Figure 8. Changeable Message Sign (II)



Source: Ontario Provincial Police

A Video Detection System (VDS, Figure 9) is similar to a CCTV camera system, but has more advanced capabilities. A VDS can detect the speed of vehicles, number of vehicles, and similar measures. This information is fed back to the TMC, which can then use the data to calculate travel times and congestion levels on the roadway.

Figure 9. Video Detection System



Source: *Evaluation of Work Zone Speed Advisory System.*⁸

The images below in Figures 10 and 11 are examples of TMC facilities. Depending on the scale of the TMC, the equipment and infrastructure of a TMC may occupy an entire building or just one room. Common components of a TMC facility include a series of screens for display of information or camera images and work stations for operators.

Figure 10. Inside a TMC Facility (I)



Source: *Multi-Media Solutions for CalTrans*

⁸ http://www.itsdocs.fhwa.dot.gov/JPODOCS/REPTS_TE/14057.htm

Figure 11. Inside a TMC Facility (II)



Source: Suburban Emergency Management Project

A call box houses a telephone that motorists can use to contact emergency services during a vehicle break-down or incident. These calls may be routed through the TMC. The provision of call boxes allows authorities to respond to incidents more quickly, which also hastens the normal flow of traffic. Figure 12 below shows a typical roadside callbox.

Figure 12. Callbox



Source: FHWA