

Community Meeting

Corridor Assessment/Needs Identification November 8, 2021

Prepared for:

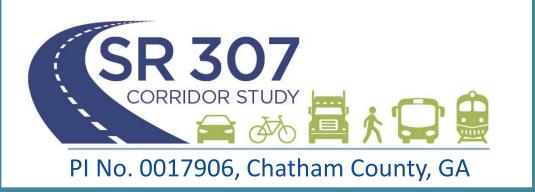




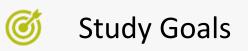


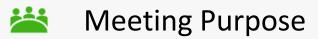
Prepared by:





Agenda



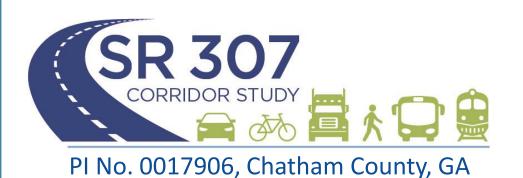


Corridor Overview

Initial Research

Potential Improvements

Next Steps



Study Goals

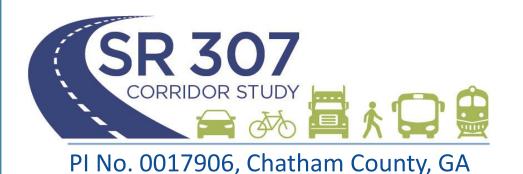
01

Identify and prioritize SR 307 improvements

02

Plan projects through the CORE MPO's Metropolitan Transportation Plan (MTP) process 03

Fund projects in the CORE MPO's Transportation Improvement Program (TIP) and Total Mobility 2045 Plan



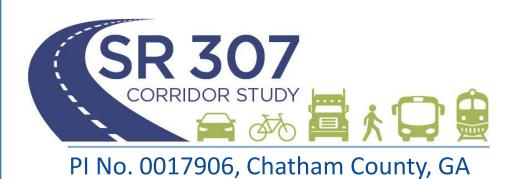
Key MTP Objectives

Improve safety, security, accessibility, mobility, and sustainability of transportation options available to people and freight

Lower the frequency and severity of crashes for cars, trucks, pedestrians, and bicyclists

Improve emergency response time and evacuation routes

Reduce congestion by improving access to businesses and maximizing freight truck travel time reliability

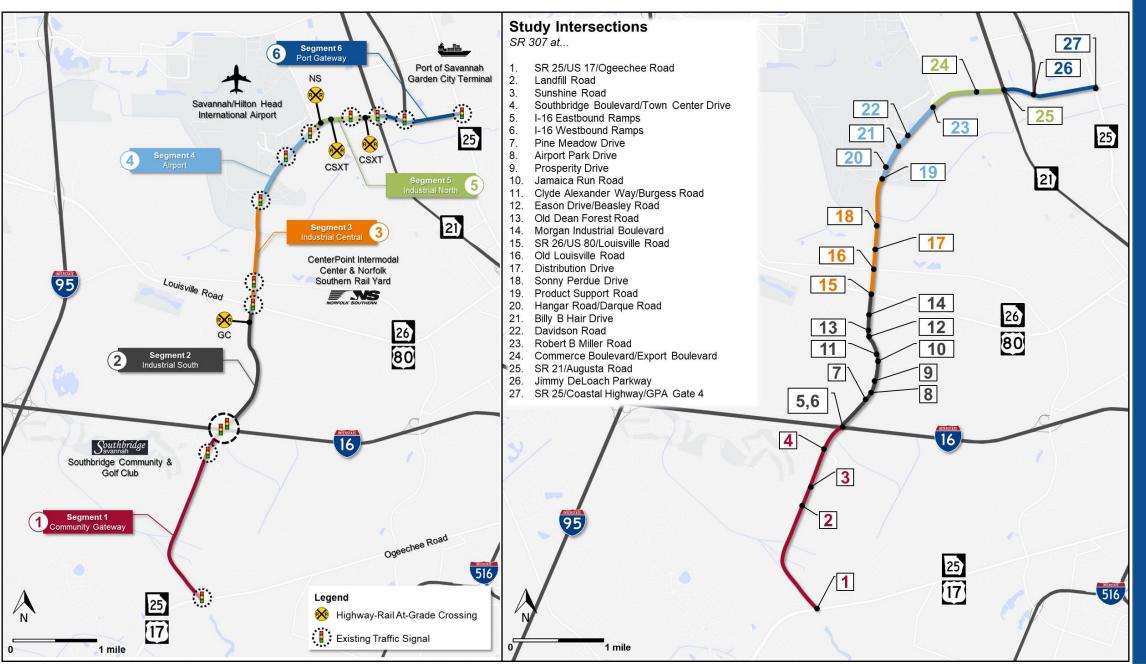


Meeting Purpose

Review existing conditions

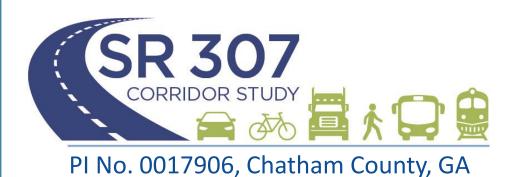
Identify other problems and potential solutions

Corridor Overview









Primer

Where is traffic the worst?

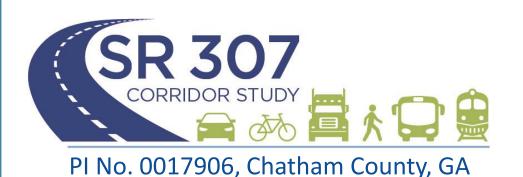
Where are the most trucks?

Which are the worst intersections?

Where are the most crashes?

What area has the greatest growth potential?

Freight corridor or commuter corridor?



Daily Traffic

Segment 1: 12,800 VPD

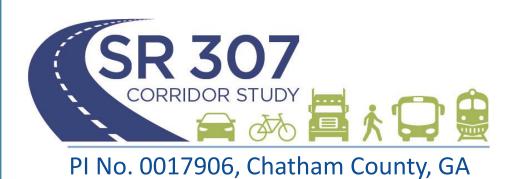
Segment 2: 20,300 VPD

Segment 3: 18,800 VPD

Segment 4: 17,000 VPD

Segment 5: 15,500 VPD

Segment 6: 9,500 VPD



Trucks

Segment 1: 3.9%

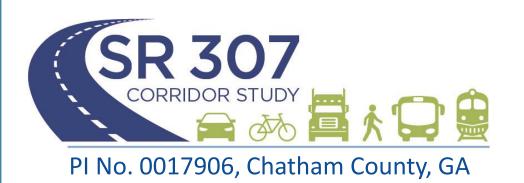
Segment 2: 15.1%

Segment 3: 22.0%

Segment 4: 22.7%

Segment 5: 31.4%

Segment 6: 57.6%



Segment

Segment 3

Segment 6

AM Traffic

Airport Park Drive LOS D

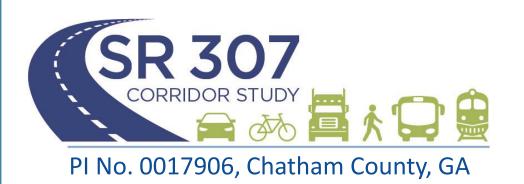
SR 26/US 80/Louisville Road LOS D

Distribution Drive LOS F

SR 21/Augusta Road LOS E



Eastbound SR 26/US 80/Louisville Road at SR 307/Dean Forest Road



PM Traffic

Clyde Alexander Way LOS D

SR 26/US 80/Louisville Road LOS D

Distribution Drive LOS F

Hangar Road LOS D

Segment

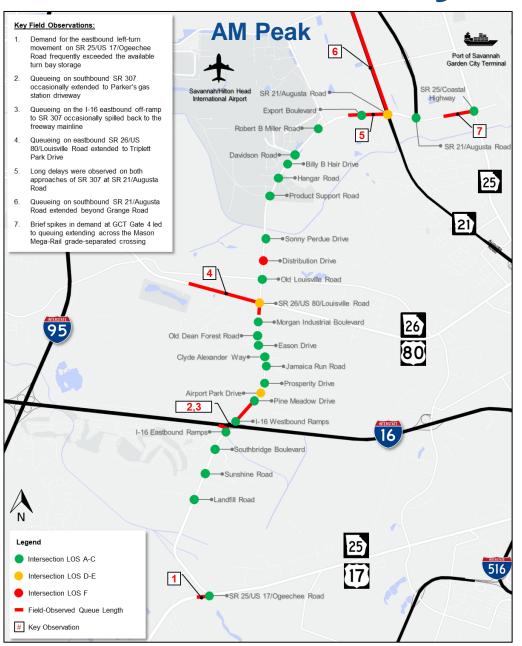
SR 21/Augusta Road LOS D

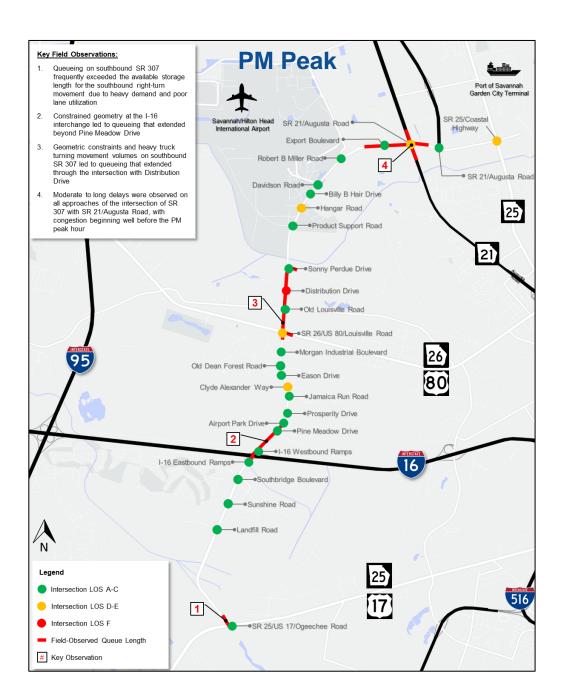
SR 25/Coastal Highway LOS D



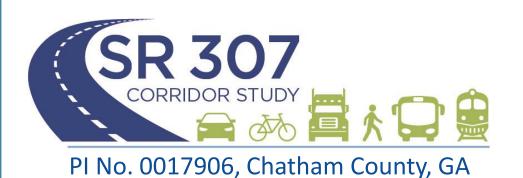
Westbound SR 307/Bourne Avenue at SR 21/Augusta Road

Traffic Summary









Crashes 2015 to 2019

1,500 total

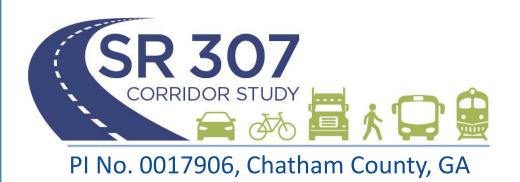
9 fatal

330 non-fatal injuries

Rate is 125% higher than statewide average

Cost of \$28.8 M per year

Clear need for safety investments



Crash Rates 2015 to 2019

Segment 1: 730 per HMVMT

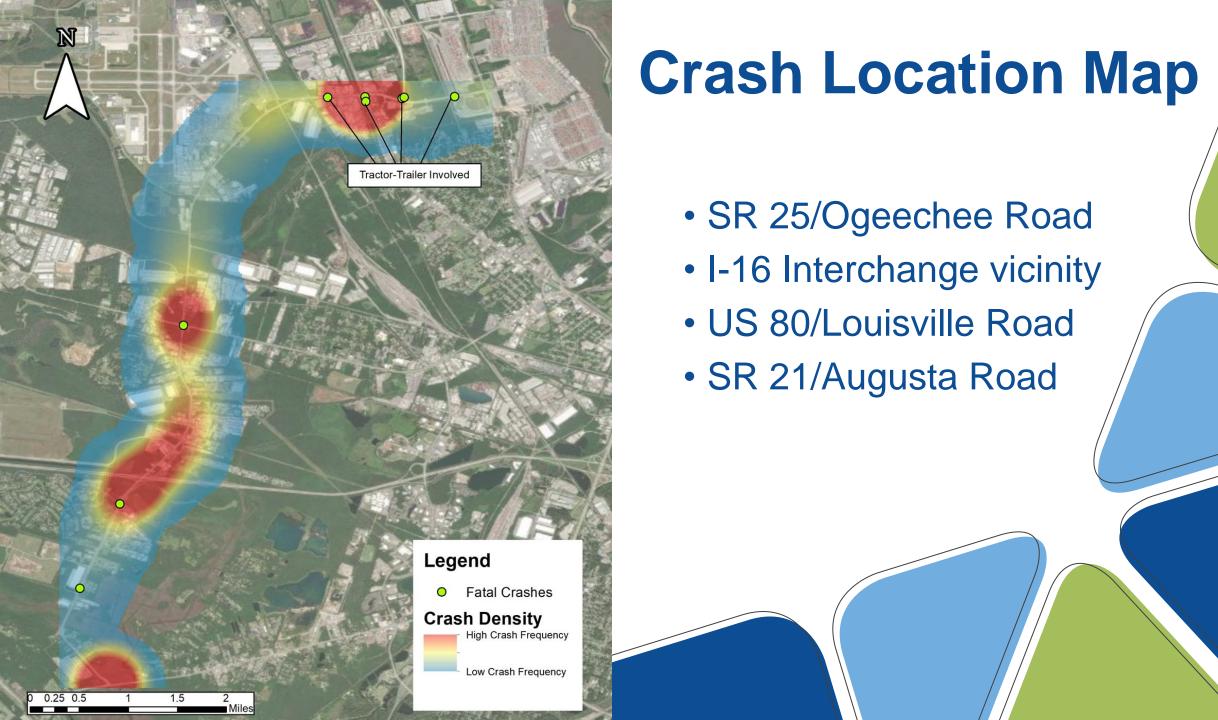
Segment 2: 670 per HMVMT

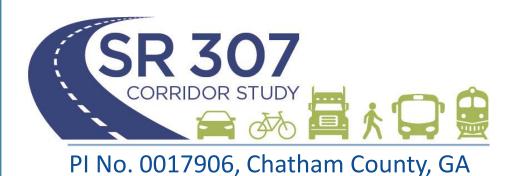
Segment 3: 300 per HMVMT

Segment 4: 285 per HMVMT

Segment 5: 1,385 per HMVMT

Segment 6: 670 per HMVMT





Pedestrians and Bicyclists

Existing bike shoulder from SR 25/Ogeechee Road to Landfill Road

Existing pedestrian facilities between Landfill Road and Southbridge Boulevard

All existing signalized intersections include pedestrian accommodations

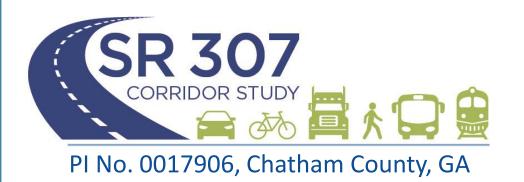
The CORE MPO Non-Motorized Transportation Plan recommends a shared use path/trail











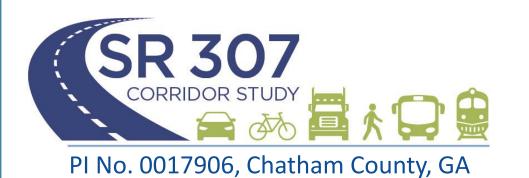
Transit

No existing CAT stops along corridor

CAT Route 3 uses small segment to provide two stops within airport

Corridor is outside of Transit District

Hidden demand related to warehouse developments



Freight

Major freight corridors

- I-16
- SR 307/Dean Forest Road
- SR 26/US 80/Louisville Road
- Jimmy DeLoach Parkway

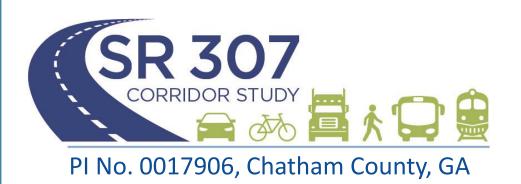
Rail corridors

- 5 rail crossings
- 55 train crossings daily









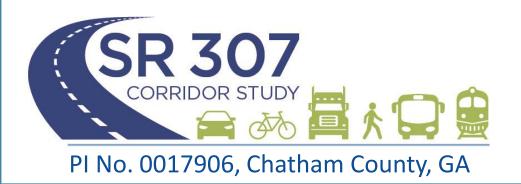
Summary

Improvements should reduce the mixing of cars, trains, and freight trucks

Intersections should be improved for freight trucks

Access management strategies should be explored

Transit, Pedestrian, and bicycle facilities should be addressed



Potential Improvements

Bridge over SR 21/Augusta Road

Major intersection improvements

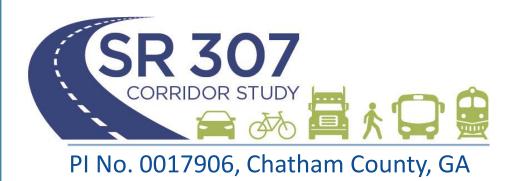
- SR 26/US 80/Louisville Road
- Unsignalized intersections
- Expand freight connected vehicle network

Access control plan to improve safety

- Raised, grassed median
- Innovative intersections

Affordable transportation options

Pedestrian and Bicycle facilities



Next Steps

Alternatives and Cost Estimates

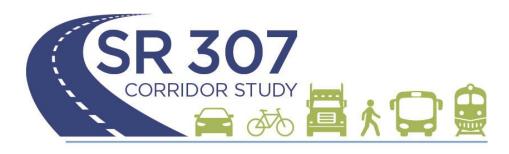
Public Information Open House

SAC Meeting No. 2

MPO Presentations

Updates/Revisions

Final Report



Thank you for participating!

Chris Marsengill, PE, PTOE

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Save the date: PIOH

December 7, 2021

5:30 PM to 7:00 PM

City Hall, Garden City







