

Applicant Organization:	City of Savannah
Project Title:	Truman Linear Park Trail Phase IIB, PI0015306



Coastal Region Metropolitan Planning Organization

Transportation Alternatives (TA) Call for Projects

APPLICATION

DECEMBER 2018

**An electronic copy of the completed application is due:
January 15, 2019 by 5:00 p.m.**

Send to:

Wykoda Wang, Transportation Administrator
Chatham County-Savannah Metropolitan Planning Commission
wangw@thempc.org

Phone:

912-651-1466

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Coastal Region Metropolitan Planning Organization

**Transportation Alternatives (TA)
December 2018 Call for Projects**

CHECKLIST FOR APPLICANTS

- | | |
|---|--|
| X | Have you answered all applicable questions in the application? |
| X | Has the appropriate person signed the application? |
| X | Have you filled out the detailed budget table on the last page of this application? |
| X | Have you attached a letter from your governing board or chief staff person who is able to commit to the local match? |
| X | Have you attached a project location map? |
| X | Have you attached other information that is applicable to the answers in your application? |

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Coastal Region Metropolitan Planning Organization (CORE MPO)

Transportation Alternatives (TA)

APPLICATION

December 2018 Call for Projects

The Coastal Region Metropolitan Planning Organization (CORE MPO) is conducting a competitive project selection process in order to award Transportation Alternatives (TA) funds.

- **Minimum Award = \$200,000 (federal portion, not total project cost)**
- **Maximum Award = \$3,024,247 (federal portion, not total project cost)**
- **At least 20% of the eligible costs of the proposed project must be non-federal funds.**
(Previously incurred costs cannot be counted as part of the 20% matching the newly awarded federal funds.)

The December 2018 Call for Projects targets to award Z301 funds from FY 2019 through FY 2021, to allow around \$3 million of federal funding to be awarded in this round. The MPO may award one proposal or several. Therefore an applicant may request up to \$3,024,247 for the ***federally funded*** portion of their proposal. ***Please be aware that the entire \$3 million is not immediately available for programming in the initial years of the Transportation Improvement Program (TIP), and therefore project sponsors will need to be flexible about the project schedule if requesting more than \$2 million.*** MPO staff will coordinate with the project sponsor regarding the TIP programming schedule for their project.

The federal funding request in this application can represent no more than 80% of the total cost of the applicant's proposal. (Thus, for example, an applicant requesting \$1,000,000 in federal TA funds, and providing no more than the required 20% local match, would be submitting a proposal totaling \$1,250,000.)

- **Federal requirements for the project development process are associated with federal funds.**

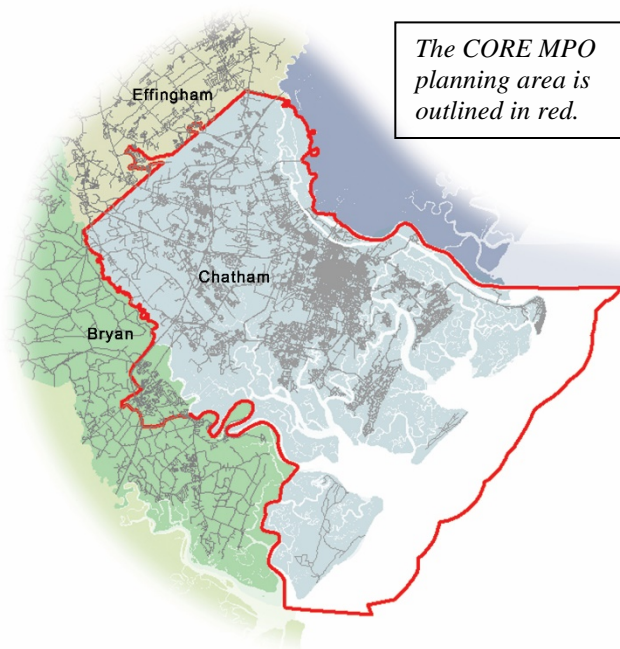
Applicants should keep in mind that this federal funding involves adherence to several federal requirements, as applicable, such as the National Environmental Policy Act (NEPA), prevailing wage rates (Davis-Bacon), Buy America, competitive bidding, and other contracting requirements, regardless of whether the projects are located within the right-of-way of a Federal-aid highway. CORE MPO has set a minimum federal request in this round because the federal requirements tend to make larger projects more administratively efficient. For guidance about the treatment of projects with these federal funds, see the web page at:

http://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm#TreatmentProjects.

- **Projects funded through this selection process must be located within the CORE MPO's Metropolitan Planning Area (MPA) boundary.**

The Metropolitan Planning Area includes all of Chatham County, as well as Richmond Hill in Bryan County and a small portion of unincorporated Effingham County (see map).

Transportation Alternatives funding is not subject to the prohibition against use on local roads or rural minor collectors, as generally applies to Surface Transportation Block Grant (STBG) funds. (Incidentally, TA-type projects are not subject to the prohibition even if funded with STBG funds.)



Please see [CORE MPO Transportation Alternatives Manual](#) for additional information.

Applicant and Project Information

Eligible Entities

Please indicate which type of eligible entity is the primary project sponsor: (Select one.)

☒ Local government

☐ Regional transportation authority

☐ Transit agency

☐ Natural resource agency or public land agency

☐ School district, local education agency, or school (public or nonprofit private)

☐ Tribal government

☐ Other local or regional governmental entity with responsibility for oversight of transportation or recreational trails that the State of Georgia determines to be eligible, consistent with the goals of subsection (c) of section 213 of title 23.

☐ Non-profit entities responsible for the administration of local transportation safety programs.

Types of Eligible Projects

Please indicate which categories your proposal falls under: (Select as many as apply. The number of categories does not affect your project's score.)

<input checked="" type="checkbox"/>	Construction, planning, and design of on-road or off-road trail facilities for pedestrians, bicyclists, or other nonmotorized forms of transportation, which can include sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act
<input checked="" type="checkbox"/>	Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs
<input type="checkbox"/>	Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other nonmotorized transportation users;
<input type="checkbox"/>	Construction of turnouts, overlooks, and viewing areas;
<input type="checkbox"/>	Community improvement activities, which can include but are not limited to: inventory control, or removal of outdoor advertising; historic preservation and rehabilitation of historic transportation facilities, vegetation management practices in transportation ROW, archeological activities relating to impacts of a transportation project eligible under Title 23 of the USC.
<input type="checkbox"/>	Environmental mitigation activity, including stormwater management and water pollution prevention or abatement from highway construction or highway runoff; reduction of vehicle-caused wildlife death, restoration of the connectivity of habitat.
<input checked="" type="checkbox"/>	Recreational trails under 23 USC 206.
<input checked="" type="checkbox"/>	Safe Routes to School (SRTS) infrastructure-related project
<input type="checkbox"/>	Safe Routes to School (SRTS) non-infrastructure-related project
<input type="checkbox"/>	Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways.

Applicant Information		
Primary Sponsor Agency Name (i.e. agency that will manage implementation)		Date
City of Savannah, Infrastructure & Development		01/13/2019
Street Address	City, State	Zip Code
P.O. Box 1027	Savannah, GA	31402
Contact Person's Name	Title	
Nick Deffley	Sustainability Director	
Contact Person's Phone Number	Contact Person's Email Address	
(912) 651-6909	ndeffley@savannahga.gov	
Project Manager's Name (if awarded)	Title	
Nick Deffley	Sustainability Director	

Project Overview		
Project Name Truman Linear Park Trail, Phase IIB		
Project Location Description (please also attach a location map) The project is located in the City of Savannah. The project will begin at DeRenne & Jenkins High School and connect to the northern terminus of Truman Linear Park Trail Phase IIA. The trail will continue approximately 2.1 miles north to Bee Road & 52 nd Street and connect to the Truman Linear Park Trail Phase I (Police Memorial Trail). A location map is attached for reference.		
County (or counties) in which project is located Chatham	City (or cities), if any, in which project is located Savannah	
Proposal Description Summary This project proposes to construct a 10-ft wide, off-road, multi-use path from DeRenne Avenue at Jenkins High School. Trail design & construction will include reconfiguration of the 52 nd Street bridge to promote safe bicycle and pedestrian crossing of the Truman Parkway, installation of streetlights, cameras and call boxes as needed for enhanced security, and potential installation of a pedestrian hybrid signal on 52 nd Street near Oakland Drive to allow the safe crossing of pedestrians. The City Council awarded a design contract with Thomas & Hutton in the amount of \$499,700. Current federal 230 funds in the amount of \$300,000 are allocated to the project for PE phase. Additional funds are being requested in this application for PE phase, including funds specific to the reconfiguration of the 52 nd Street bridge crossing. The revised Concept Report will be submitted to GDOT in January 2019 for review and approval. The most recent GDOT project schedule indicates construction authorization in August 2021 (FY22). However, GDOT scheduling program assumes that a project is starting from the beginning. In this case, a significant amount of design and environmental work for this trail alignment was completed previously and needs to be revised rather than starting from the beginning. Thomas & Hutton is confident that construction can be authorized in FY21, per attached schedule. The construction cost estimate, as detailed in the attached GDOT revised cost estimate, is \$4,405,623. Federal funds for construction are also being requested in this application. If the application is approved, the proposed funding for the project will result in federal funds in the amount of \$1,167,787 and local funds in the amount of \$291,947 to complete design and initiate construction.		
Total Estimated Project Cost*	Federal Funds Requested under TA	Local Match
\$ 4,952,323	\$ 1,167,787	\$ 291,947
<i>*Please also be sure to fill out the Budget Detail Table at the end of this application.</i>		

Who is providing the local match?

Name of Agency or Organization	Source (e.g. particular CIP fund)
City of Savannah	Mobility & Parking Services Department

Please attach a letter signed by either your governing board or an official or chief staff person who is able to commit to the stated local match.

Has the agency that will be managing this project previously completed other federal-aid transportation projects? (Choose one)

- ☒ 0 completed federal-aid projects
☐ 1 completed federal-aid project
☐ 2 completed federal-aid projects
☐ 3 or more completed federal-aid projects

Please list up to three federal-aid projects completed by your agency, if applicable, *preferably for projects that are similar to your proposal*:

P.I. No.	Project Name	Sponsor's Project Manager
0008358	Project DeRenne (in progress)	Barry Stanton
0010028	DeLesseps / LaRoache (in progress)	Barry Stanton

What agency will maintain the project after completion?

City of Savannah

If a maintenance agreement is necessary, has it been executed? (Chose one) Y / N / **NA**
 If yes, please attach the agreement.

If the completed project will generate the need for operational funds, please describe the estimated annual cost and the status and source of funding for operations. (TA funds will not cover operations.)

The City of Savannah will provide the operational budget to maintain the entire Phase IIB trail once constructed, including energy costs for lighting, cameras, call boxes and hybrid pedestrian beacons. The estimated annual maintenance costs of the trail are \$6,000 per mile.

Will your project require purchase(s) or easement(s) for right-of-way (Choose one) **Y** / N / Maybe
 Additional information:

Yes, at this stage in the project, easement is required with Georgia Power, potentially with Memorial Hospital along Reuben Clark Drive, and within existing public right of way along the Truman Parkway. The trail is being designed to align within existing public right of way and non-residential easement.

If other agencies or organizations are partnering with you on this application or on implementation of your proposal, please list and describe the nature of assistance and the status of any agreements (e.g. ROW donations or easements):

Organization #1	
Georgia Department of Transportation	
Contact Name	Contact Phone
Samuel Williams	(912) 424-9338
Contact Email: sawilliams@dot.ga.gov	
Status of Agreement	
A Project Framework Agreement was received from GDOT on March 1, 2017.	

Organization #2	
Contact Name	Contact Phone
Contact Email:	
Status of Agreement	

Organization #3	
Contact Name	Contact Phone
Contact Email:	
Status of Agreement	

If funding were available today, and you had already received a Notice to Proceed, how much time do you estimate would be needed for any phases of your project that would be funded by this request:

Phase(s) to be TA-funded	No. of Months
Design, including environmental certification and ROW certification	22
Construction	10

Please list any necessary preliminary work that already *has been completed*, and provide dates (e.g. GDOT concept approval, FHWA environmental approval or categorical exclusion, etc.):

Steps Completed	Date
GDOT revised concept plan is being sent in for approval in January 2019.	N/A

Please describe status of any non-TA funded work that *still needs to be completed before the project or phase that would be funded by this request can begin* (e.g. if TA + Local Match will fund only the construction phase, what is the status and schedule for the incomplete preliminary engineering and ROW phases?).

Status of Steps to be carried out before TA-funded work begins	Estimated completion date
This request will fund additional design and future construction.	N/A

In 500 words or less, please describe what public benefits and efficiencies would be provided to our area by your proposed project. (In preparing your answer, we suggest you review the TA scoring criteria related to access, connectivity, tourism, and safety, as shown in CORE MPO's Transportation Alternatives Manual – 2017.)

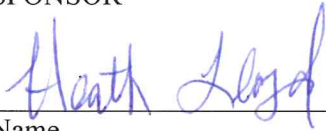
The Truman Linear Park Trail, Phase 2 is currently the #1 ranked project in the Coastal Georgia Metropolitan Planning Organizations "Non-motorized Transportation Plan" bikeway projects dated October 2014. Phase 1 of the trail is constructed and begins at the Daffin Park Loop Trail and ends at the intersection of 52nd Street/Bee Road. When fully constructed, Phases 1 and 2 of the Truman Linear Park Trail will link 827 acres of existing park land in Chatham County and the City of Savannah by connecting Lake Mayer Community Park (part of the Bacon Regional Tract, which consists of approximately 750 acres) to Daffin Park (a 77 acre park owned by the City of Savannah). The trail will provide an ADA accessible, off-road/shared-use path for recreational use by residents and tourists. Construction will include installation of call boxes, cameras and streetlights to enhance the security and safety along the trail.

When complete, the trail will provide a safe, alternative means of transportation for kids getting to local area schools, including Jenkins High School. Completion of the trail will improve access from low income areas to key activity areas, including recreational and shopping facilities. Tourists will be able to use the trail to explore Savannah without having to get in a car or on a bus since the trail will be a part of the Coastal Georgia Greenway. The trail will facilitate additional connectivity with current projects developing bicycle and pedestrian infrastructure on DeLesseps Avenue and DeRenne Avenue.

I understand that the latest versions of the following, as they relate to this project, shall guide project development and design.

- Accessible Public Rights-of-Way, Planning and Designing for Alterations, Public Rights-of-Way Access Advisory Committee.
- ADA Standards for Accessible Design, Department of Justice.
- Context Sensitive Design Manual, GDOT.
- Designing Walkable Urban Thoroughfares: A Context Sensitive Approach, Institute of Transportation Engineers (ITE) and Congress for the New Urbanism (CNU).
- A Policy on the Geometric Design of Highways and Streets, AASHTO.
- Guide for the Development of Bicycle Facilities, AASHTO.
- Guide for the Planning, Design, and Operation of Pedestrian Facilities, AASHTO.
- Manual on Uniform Traffic Control Devices (MUTCD), FHWA.
- Proposed Guidelines for Public Rights-of-Way (PROWAG)2, United States Access Board.
- Urban Bikeway Design Guide, NACTO.
- Urban Street Design Guidelines, NATCO.

SPONSOR



Name

Chief Infrastructure & Development Officer_
Title

01/15/2019
Date

Please remember:

- To fill out the Detailed Budget Table, to the extent applicable, on the following page;
- To attach a letter from your governing board or other official or chief staff person who is able to commit the agency to the stated local match.
- To attach a Project Location Map;
- To attach an executed maintenance agreement if you indicated that one exists.



Budget Detail for Proposal										
Project Name:										
Activity	Desired Fiscal Year for TIP Programming (GDOT Fiscal Year) ¹	Total Estimate	Requested CORE MPO TA Federal Funds (Maximum allowed is 80% of your total eligible costs.)	Local Match (Minimum required is 20% of your total eligible costs.)	Local Match Breakdown (by source)					
					Amount A	Source A	Amount B	Source B	Amount C	Source C
PE	FY2019	\$194,479	\$155,583	\$38,896	\$38,896	City of Savannah, Mobility & Parking Services				
ROW										
Utilities										
Construction	FY2021	\$4,405,623	\$1,012,204	\$2 53,051	\$253,051	City of Savannah, Mobility & Parking Services				
Other activity Specify:										
Other activity Specify:										
Other activity Specify:										
Total Amounts		\$4,600,102	\$1,167,787	\$291,947	\$291,947	City of Savannah, Mobility & Parking Services				

Please use this area to explain whether other grants or sources (not already shown above) are dedicated either to the proposed phase or to future phases, of your project.

Currently, no other grants or funding sources are dedicated to this project.

1. The first GDOT fiscal year in the MPO’s TIP is FY 2018, which begins July 1, 2017. The last year of the next TIP is FY 2021, which begins July 1, 2020.

January 15, 2019

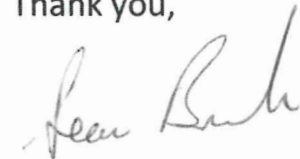
Ms. Wykoda Wang
Coastal Region Metropolitan Planning Organization
110 East State Street
Savannah, GA 31401

Subject: Transportation Alternatives (TA) Program Application, Commitment of
Stated Local Match for the Truman Linear Park Trail, Phase IIB

Dear Ms. Wang:

This letter is written to confirm that the City of Savannah Mobility & Parking Services Department has enterprise funds available to provide the required local match for this project. If you have any questions, please call Nick Deffley at (912) 651-6909.

Thank you,



Sean Brandon
Director



PI#0015306, TRUMAN LINEAR PARK TRAIL PH IIB

FIGURE 1
PROJECT MAP

CLIENT:
CITY OF SAVANNAH

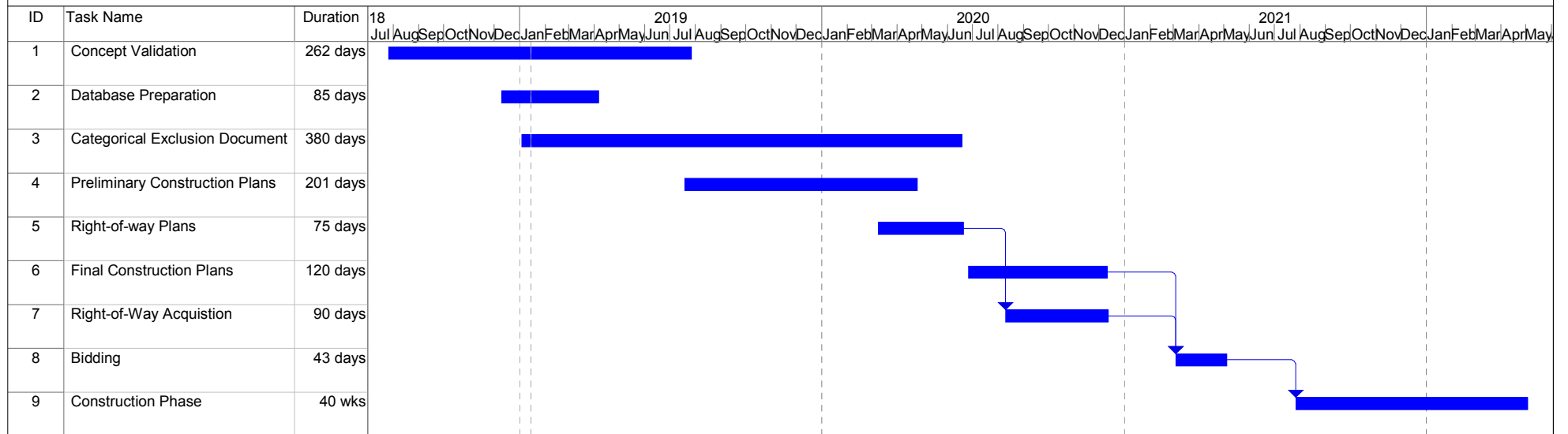
LOCATION: CHATHAM COUNTY, GEORGIA

DATE: NOVEMBER 19, 2018 DRAWN BY: DMD SHEET: 1
JOB NUMBER: J-21874.0002 REVIEWED BY: DDK SCALE: 1" = 1500'



50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

**CITY OF SAVANNAH
TRUMAN TRAIL PHASE 2B**



Truman Linear Park Trail-Phase 2B												
DeRenne to 52nd Street												
Bridge Addition												
		Senior Manager	Project Manager	Project Engineer	Designer	Engineering Technician	Admin	Structural Engineer	Traffic Engineer	Landscape Architect		
	<i>Hourly Rate</i>	\$ 220	\$ 190	\$ 160	\$ 140	\$ 130	\$ 80	\$ 200	\$ 160	\$ 170		
ITEM	TASK	Estimated Hours									Hours	FEE
											Sub-Total	Sub-Total
1	Additional Roadway Design for bridge adjust (prelim)		10	15		40					65	\$ 9,500
2	Additional Roadway Design for bridge adjust (final)		5	10		30					45	\$ 6,450
3	Coordiaiton with bridge sub, City, & GDOT		5	5							10	\$ 1,750
4											0	\$ -
5											0	\$ -
											0	\$ -
											0	\$ -
											0	\$ -
Sub-Total - Personnel		0	20	30	0	70	0	0	0	0	120	\$ 17,700
Sub-Consultants												
RS&H -Bridge Evaluation, Details, Coord w/ GDOT							\$	24,650.00	x	1.15		\$ 28,400
												\$ 28,400
Reimbursables												
Printing, Travel, Materials, Reproduction (Approx 5% of Personnel Cost)												\$ 900.00
Total - Bridge Addition												\$ 47,000.00

FILE P.I. No. 0015306

OFFICE Program Delivery

PROJECT DESCRIPTION

Truman Linear Park Trail Phase IIB

DATE January 15, 2019

From: Kimberly Nesbitt, State Program Delivery Engineer

To: Erik Rohde, P.E., State Project Review Engineer
via Email Mailbox: CostEstimatesandUpdates@dot.ga.gov**Subject: REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER Samuel Williams

MGMT LET DATE April 15, 2019

MGMT ROW DATE January 15, 2017

PROGRAMMED COSTS (TPro W/OUT INFLATION)

CONSTRUCTION \$ 1,239,807.33

RIGHT OF WAY \$ 0.00

UTILITIES \$ 0.00

LAST ESTIMATE UPDATE

DATE August 24, 2017

DATE April 19, 2017

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 4,405,623.38

RIGHT OF WAY \$ 0.00

UTILITIES \$ 0.00

*Cost Contains 5 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

5 % Contingency based on Project Type (Enhancement/Bicycle/Pedestrian Facility/Safety)

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	3,994,612.29	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	199,730.61	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	209,717.15	Base Estimate (A + B) x	5 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	1,563.33	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	4,405,623.38	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

Detailed Cost Estimate Printout From GDOT 411
Liquid AC Adjustment Spreadsheet

Consultant Validation of Final QC/QA for Construction Cost Estimate Used in This Revision To Programmed Costs

COMPANY NAME: Thomas &Hutton

VALIDATION OF FINAL QC/QA

PRINTED NAME: Diane M. Deering

TITLE: Project Engineer

SIGNATURE:

DATE: January 15, 2019

PROJ. NO.
P.I. NO.
DATE

0015306

CALL NO.

0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jan-19	\$ 2.724
DIESEL		\$ 3.126
LIQUID AC		\$ 553.00

Link to AC Index:

<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)					1526.28	\$	1,526.28
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	884.80			
Monthly Asphalt Cement Price month project let (APL)			\$	553.00			
Total Monthly Tonnage of asphalt cement (TMT)				4.6			

ASPHALT	Tons	%AC	AC ton
Leveling	0	5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	32	5.0%	1.6
9.5 mm SP		5.0%	0
25 mm SP	16	5.0%	0.8
19 mm SP	44	5.0%	2.2
	92		4.6

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	37.05	\$	37.05
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	884.80			
Monthly Asphalt Cement Price month project let (APL)			\$	553.00			
Total Monthly Tonnage of asphalt cement (TMT)				0.111672624			

Bitum Tack

Gals	gals/ton	tons
26	232.8234	0.11167262

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	884.80			
Monthly Asphalt Cement Price month project let (APL)			\$	553.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT

\$ 1,563.33

STATE HIGHWAY AGENCY

DATE : 01/15/2019

PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0015306 SPEC YEAR: 13
 DESCRIPTION: TRUMAN LINEAR PARK TRAIL - PHASE II-B

ITEMS FOR JOB 0015306

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - PI#00105306	1.000	140000.00	140000.00
0010	163-0232		AC	TEMPORARY GRASSING	13.000	399.51	5193.71
0015	163-0240		TN	MULCH	147.000	146.31	21507.76
0020	163-0300		EA	CONSTRUCTION EXIT	6.000	1849.26	11095.58
0025	163-0502		EA	CONSTR AND REMOVE SILT CONTROL GATE, TP 2	4.000	565.76	2263.07
0030	163-0503		EA	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	8.000	502.15	4017.26
0035	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	260.000	9.45	2458.20
0040	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	13.000	205.39	2670.18
0045	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	9000.000	0.56	5091.57
0050	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	9000.000	1.27	11472.48
0055	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	140.000	8.05	1127.15
0060	165-0086		EA	MAINT OF SILT CONTROL GATE, TP 2	4.000	161.32	645.32
0065	165-0087		EA	MAINT OF SILT CONTROL GATE, TP 3	8.000	136.47	1091.83
0070	165-0101		EA	MAINT OF CONST EXIT	6.000	699.53	4197.24
0075	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	8.000	462.06	3696.50
0080	167-1500		MO	WATER QUALITY INSPECTIONS	12.000	740.80	8889.69
0085	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	18000.000	2.19	39425.58
0090	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	18000.000	3.71	66915.90
0095	207-0203		CY	FOUND BK FILL MATL, TP II	100.000	81.60	8160.13
0100	210-0100		LS	GRADING COMPLETE - PI#0015306	1.000	630000.00	630000.00
0105	310-5060		SY	GR AGGR BS CRS 6IN INCL MATL	740.000	20.45	15137.38
0110	318-3000		TN	AGGR SURF CRS	10.000	55.36	553.69
0115	402-3121		TN	RECYL AC 25MM SP, GP1/2, BM&HL	16.000	81.09	1297.54
0120	402-3130		TN	RECYL AC 12.5MM SP, GP2, BM&HL	32.000	75.97	2431.23
0125	402-3190		TN	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	44.000	133.79	5887.07
0130	413-0750		GL	TACK COAT	26.000	5.00	130.00
0135	439-0300		SY	PERVIOUS CONCRETE PVMT, 6 IN THK	1400.000	90.00	126000.00
0140	441-0105		SY	CONC SIDEWALK, 5 IN	10000.000	50.00	500000.00
0145	441-0106		SY	CONC SIDEWALK, 6 IN -CLASS AA CONC	700.000	60.00	42000.00
0150	441-0108		SY	CONC SIDEWALK, 8 IN	200.000	60.48	12096.87
0155	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	200.000	37.58	7516.68
0159	500-3101		CY	CLASS A CONCRETE	20.000	868.34	17366.85
0160	500-3201		CY	CL B CONC, RET WALL	25.000	1200.00	30000.00
0165	500-3800		CY	CL A CONC, INCL REINF STEEL	6.000	1219.69	7318.17
0170	500-3900		CY	CL B CONC, INCL REINF STEEL	4.000	1500.00	6000.00
0175	500-9999		CY	CL B CONC, BASE OR PVMT WIDEN	2.000	343.71	687.44
0179	502-1200		MBM	BR TIMBER, TREATED	120.000	3000.00	360000.00
0180	502-9000		LF	TIMBER RAILING	600.000	55.00	33000.00
0184	511-1000		LB	BAR REINF STEEL	2070.000	1.52	3165.96

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0185	515-2020	LF	GALV STEEL PIPE HDRAIL, 2, ROUD	400.000	44.80	17920.75
0186	520-2214	LF	PILING, PSC, 14 IN SQ	180.000	150.00	27000.00
0187	520-2500	LF	PILING, TIMBER - TREATED	3500.000	75.00	262500.00
0188	520-3214	EA	TEST PILE, PSC, 14 IN SQ	2.000	10000.00	20000.00
0189	520-4214	EA	LOAD TEST, PSC, 14 IN SQ	1.000	500.00	500.00
0190	534-1000	LS	PEDESTRIAN OVERPASS BRIDGE, STA PI#-0015306	1.000	200000.00	200000.00
0194	543-1500	LS	REPAIR OF BRIDGE - COMPLETE PI#0015306 BRIDGE MODFICATION OF 52ND ST BRIDGE	1.000	400000.00	400000.00
0195	550-1180	LF	STM DR PIPE 18, H 1-10	170.000	67.35	11450.33
0200	550-1240	LF	STM DR PIPE 24, H 1-10	70.000	80.62	5643.66
0205	550-1300	LF	STM DR PIPE 30, H 1-10	60.000	96.58	5795.02
0210	550-1360	LF	STM DR PIPE 36, H 1-10	40.000	95.94	3837.91
0215	550-1420	LF	STM DR PIPE 42, H 1-10	16.000	133.52	2136.42
0220	550-1480	LF	STM DR PIPE 48, H 1-10	16.000	127.97	2047.56
0225	550-4218	EA	FLARED END SECT 18 IN, ST DR	11.000	835.08	9185.89
0230	550-4224	EA	FLARED END SECT 24 IN, ST DR	4.000	815.75	3263.03
0235	550-4230	EA	FLARED END SECT 30 IN, ST DR	3.000	969.95	2909.86
0240	550-4236	EA	FLARED END SECT 36 IN, ST DR	2.000	1291.22	2582.45
0245	550-4242	EA	FLARED END SECT 42 IN, ST DR	1.000	1685.86	1685.87
0250	550-4248	EA	FLARED END SECT, 48", ST DR	1.000	3000.00	3000.00
0255	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24	150.000	83.27	12491.13
0260	603-2181	SY	STN DUMPED RIP RAP, TP 3, 18	70.000	87.90	6153.45
0265	603-7000	SY	PLASTIC FILTER FABRIC	220.000	4.67	1027.68
0270	611-3010	EA	RECONSTR DROP INLET, GROUP 1	5.000	2352.38	11761.90
0275	611-5551	EA	RESET SIGN	12.000	177.73	2132.81
0279	611-5590	EA	RELOCATE WATER METER, 1 1/2" PI#0015306	1.000	1500.00	1500.00
0280	611-8000	EA	ADJUST CATCH BASIN TO GRADE	2.000	1500.00	3000.00
0285	611-8050	EA	ADJUST MANHOLE TO GRADE	5.000	1242.30	6211.51
0287	611-8120	EA	ADJUST WATER METER BX TO GRADE	1.000	454.95	454.96
0288	611-8140	EA	ADJUST WATER VALVE BX TO GRADE	4.000	740.45	2961.80
0290	634-1200	EA	RIGHT OF WAY MARKERS	5.000	149.79	748.96
0295	636-1033	SF	HWY SIGNS, TP1MAT, REFL SH TP 9	260.000	18.35	4772.54
0300	636-1036	SF	HWY SGN, TP1MAT, REFL SH TP 11	70.000	30.00	2100.00
0305	636-1041	SF	HWY SIGNS, TP 2MAT, REFL SH TP 9	20.000	22.72	454.55
0310	636-2070	LF	GALV STEEL POSTS, TP 7	780.000	8.05	6284.00
0315	636-2080	LF	GALV STEEL POSTS, TP 8	100.000	10.68	1068.64
0320	636-2090	LF	GALV STEEL POSTS, TP 9	20.000	9.35	187.17
0325	636-5020	EA	DELINEATOR, TP 2	26.000	39.50	1027.13
0330	639-3004	EA	STEEL STRAIN POLE, TP IV	1.000	12384.69	12384.70
0332	643-1152	LF	CH LK FEN, ZC COAT, 6', 9 GA	500.000	48.07	24036.16
0333	643-8010	EA	GATE, CHAIN LINK ZC COAT - 6FT, 9 GA	2.000	1163.07	2326.16
0334	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT PI#0015306	4300.000	2.40	10332.73
0335	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1, PED SIGNAL UPGRADE DELESSEPS	1.000	20000.00	20000.00
0340	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 2, PED HYBRUD BEACON ON 52ND ST	1.000	55000.00	55000.00
0345	647-2120	EA	PULL BOX, PB-2	6.000	436.58	2619.51
0350	652-5452	LF	SOLID TRAF STRIPE, 5 IN, YELLO	1700.000	0.89	1529.83
0355	652-5701	LF	SOLID TRAF STRIPE, 24, WHITE	45.000	4.60	207.17
0360	652-6502	GLF	SKIP TRAF STRIPE, 5 IN, YELLOW	8400.000	0.50	4200.00
0365	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	110.000	1.75	193.01

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0370	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	260.000	1.06	275.72
0375	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	200.000	7.54	1508.53
0380	653-1804	LF	THERM SOLID TRAF STRIPE, 8,WH	2800.000	2.29	6422.36
0385	654-1001	EA	RAISED PVMT MARKERS TP 1	40.000	5.32	212.87
0390	654-1003	EA	RAISED PVMT MARKERS TP 3	10.000	4.17	41.74
0395	656-3600	SY	REM EX TRAF STRIPE,ALL KND/TYP	100.000	2.33	233.69
0397	668-2100	EA	DROP INLET, GP 1	4.000	3079.62	12318.52
0398	668-4300	EA	STORM SEW MANHOLE, TP 1	6.000	2410.29	14461.78
0400	670-1100	LF	WATER MAIN, 10 IN	20.000	200.00	4000.00
0405	670-1500	EA	CAP OR REM EXIST WATER MAIN	2.000	1500.00	3000.00
0410	670-2060	EA	GATE VALVE, 6 IN	2.000	1310.78	2621.57
0415	670-3066	EA	TAP SLEEVE/VAL ASSY, 6" X 6"	1.000	5000.00	5000.00
0420	670-4000	EA	FIRE HYDRANT	2.000	4206.87	8413.75
0425	670-5015	LF	WATER SERVICE LINE, 1 1/2"	20.000	25.00	500.00
0430	670-9742	EA	RELOC EXT BKFLW PREV ASSBLY, 1 1/2"	1.000	3000.00	3000.00
0435	670-9920	EA	REMOVE EXIST FIRE HYDRANT	1.000	990.35	990.36
0440	681-1120	EA	LT STD, ALUM,12'MH,POST TOP	4.000	3000.00	12000.00
0445	681-1150	EA	LT STD, ALUM,14'MH,POST TOP	60.000	4000.00	240000.00
0450	681-6268	EA	LUMINAIRE, TP 2, LED, 4000K	60.000	750.00	45000.00
0455	682-1404	LF	CABLE, TP XHHW, AWG NO 10	2400.000	1.00	2400.00
0460	682-1405	LF	CABLE, TP XHHW, AWG NO 8	4400.000	1.20	5280.00
0465	682-1406	LF	CABLE, TP XHHW, AWG NO 6	12300.000	1.60	19680.00
0470	682-1407	LF	CABLE, TP XHHW, AWG NO 4	4600.000	2.00	9200.00
0475	682-1408	LF	CABLE, TP XHHW, AWG NO 2	14300.000	2.50	35750.00
0480	682-6222	LF	CONDUIT, NONMETL, TP 2, 2 IN	6300.000	6.26	39457.97
0485	682-6225	LF	CONDUIT, NONMETL, TP 2, 2 1/2 IN	200.000	11.00	2200.00
0490	682-6233	LF	CONDUIT, NONMETL, TP 3, 2 IN	16.000	12.00	192.00
0495	682-9950	LF	DIRECTIONAL BORE - 7"	60.000	16.00	960.00
0500	682-9000	LS	MAIN SVC PICK UP POINT	1.000	25000.00	25000.00
0505	682-9022	EA	ELEC JCT BX,REF PLASTIC MORTAR	18.000	567.33	10211.95
0510	682-9950	LF	DIRECTIONAL BORE - 3"	2900.000	16.00	46400.00
0515	936-1000	EA	CCTV SYSTEM 3 PEDESTRIAN CALL BOXES WITH COVERT CAME	1.000	55000.00	55000.00
0520	700-6910	AC	PERMANENT GRASSING	6.000	953.28	5719.70
0525	700-7000	TN	AGRICULTURAL LIME	36.000	30.62	1102.48
0530	700-8000	TN	FERTILIZER MIXED GRADE	5.000	683.67	3418.39
0535	700-8100	LB	FERTILIZER NITROGEN CONTENT	300.000	3.67	1101.46
0540	716-2000	SY	EROSION CONTROL MATS, SLOPES	1100.000	2.18	2403.17
0545	009-3500	LS	MISC LANDSCAPE ITEMS	1.000	50000.00	50000.00

ITEM TOTAL

3994612.26

INFLATED ITEM TOTAL

3994612.26

TOTALS FOR JOB 0015306

ESTIMATED COST:

3994612.29

CONTINGENCY PERCENT (0.0):

0.00

ESTIMATED TOTAL:

3994612.29