

<b>Applicant Organization:</b>	Chatham County Dept. of Engineering
<b>Project Title:</b>	McQueen's Trail Improvements



**Coastal Region Metropolitan Planning Organization**

# **Transportation Alternatives (TA) Call for Projects**

# **APPLICATION**

**WINTER 2017**

**An electronic copy of the completed application is due:  
February 3, 2017, by 5:00 p.m.**

**Send to:**

Jane Love, Transportation Planner  
Chatham County-Savannah Metropolitan Planning Commission  
[lovej@thempc.org](mailto:lovej@thempc.org)

**Phone:**

912-651-1449

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**Coastal Region Metropolitan Planning Organization**

**Transportation Alternatives (TA)  
2017 Call for Projects**

**CHECKLIST FOR APPLICANTS**

- Have you answered all applicable questions in the application?

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- Has the appropriate person signed the application?

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- Have you filled out the detailed budget table on the last page of this application?

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- Have you attached a letter from your governing board or chief staff person who is able to commit to the local match?

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- Have you attached a project location map?

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- 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

### 2017 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 Availability = \$3,000,000 (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 2017 Call for Projects combines the MPO's TA balance for FY 2018 (about \$2.2 million) with a conservative estimate of expected TA revenue from FY 2019 through FY 2021, to allow \$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 million 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 \$2.2 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:

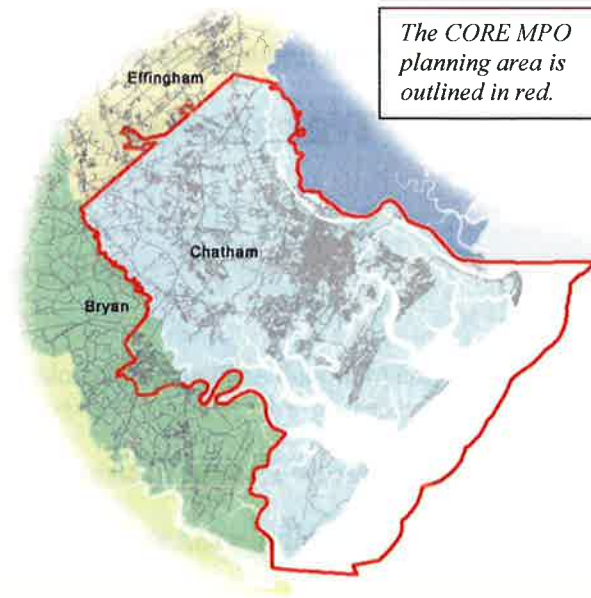
[http://www.fhwa.dot.gov/environment/transportation\\_alternatives/guidance/guidance\\_2016.cfm#TreatmentProjects](http://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm#TreatmentProjects).

**Transportation Alternatives Application – 2017**

- **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

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- Regional transportation authority

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- Transit agency

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- Natural resource agency or public land agency

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

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- Tribal government

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- 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.

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- 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.)

- 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

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- 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

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- Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other nonmotorized transportation users;

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- Construction of turnouts, overlooks, and viewing areas;

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- 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.

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- 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.

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- Recreational trails under 23 USC 206.

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- Safe Routes to School (SRTS) infrastructure-related project

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- Safe Routes to School (SRTS) non-infrastructure-related project

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- Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways.

<b>Applicant Information</b>		
Primary Sponsor Agency Name (i.e. agency that will manage implementation) Chatham County Dept. of Engineering		Date 2/2/17
Street Address 124 Bull Street, Room 430	City, State Savannah, GA	Zip Code 31401
Contact Person’s Name Jefferson Kirkland	Title Environmental Program Coordinator	
Contact Person’s Phone Number 912.652.7800	Contact Person’s Email Address jtkirkland@chathamcounty.org	
Project Manager’s Name (if awarded) Jefferson Kirkland	Title Environmental Program Coordinator	

<b>Project Overview</b>		
Project Name McQueen's Trail Maintenance and Improvement.		
Project Location Description (please also attach a location map) Project Location Description (please also attach a location map) The project is located adjacent Highway 80 on McQueen's Island, a part of Ft. Pulaski National Monument (NM). The trail runs parallel to the highway for approximately 3 miles from the Bull River Bridge to the entrance to Ft. Pulaski. There is a 3 mile section that run west for another 3 miles from the midpoint entrance at Bull River Bridge.		
County (or counties) in which project is located Chatham	City (or cities), if any, in which project is located Unincorporated Chatham County, Ft. Pulaski NM	
Proposal Description Summary This project would provide funding for maintenance and improvements on an already existing trail. Signage, bridge maintenance, parking lot improvements, picnic and other recreational amenities are in need of maintenance and improvement.  Utilizing and protecting the historic Savannah and Tybee Railroad right-of-way (R/W), this project would facilitate and improve non-motorized transportation from Wilmington Island to Tybee Island via the improved-surface multi use trail. As a result of Hurricane Matthew, the trail sustained sever damage to the the trail surface itself, interpretive signage as well as damage to more than half a dozen small bridges which are now in need of maintenance; another 3 are in need of replacement along the trail. Connectivity is lost when even one of these bridges should happen to fail. Additionally, the parking area at the mid-point needs maintenance to make it safer for users as well as prevent erosion from moving sediment from the parking area into the adjoining areas.		
Total Estimated Project Cost* \$ \$ 1,025,653.00	Federal Funds Requested under TA \$ \$ 820,522.40	Local Match \$ \$ 205,130.60
<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)
Chatham County	SPLOST

*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

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- 1 completed federal-aid project

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- 2 completed federal-aid projects

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- 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
0002921	Truman Parkway, Phase V	Leon Davenport, P.E.
550560	SR 204 Spur Widening (Whitefield Avenue Widening)	Leon Davenport, P.E.
0000538	Coastal Georgia Greenway, Multi-use Trail in 9 Counties	Nathaniel Panther, P.E.

**What agency will maintain the project after completion?**

Chatham County Parks and Recreation

**If a maintenance agreement is necessary, has it been executed? (Choose one)**  
 If yes, please attach the agreement.

Y / N / NA

**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.)**

This facility is already a County operated park and therefore already has an operating budget as part of the Dept. of Parks and Recreation's general operation budget of \$4,600,000.

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

Y / N / Maybe

No additional R/W is required.

**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	
Contact Name	Contact Phone
Contact Email:	
Status of Agreement	

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
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
Letter of permission to perform maintenance/repair from GA Coastal Resources Division	01 Nov 2016
Estimate of repairs and mitigation	02 Feb 2017

**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
Design Project	May 2017
Construction	March 2018

**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.)

This department has managed several CORE MPO TAP projects, including multi-use trail projects and feels that this project would be a good fit. There are no major obstacles that might interfere with this project. An estimate for the work is already available and merely awaits design and contracting.

Ft. Pulaski NM is planning an expansion of the trail eastwards to the Tybee bridge in the near future. This expansion will tie into a proposed multi-use path across the bridge and will connect to an already existing trail operated by City of Tybee. When considering that a proposed Hwy 80 widening project would include a multi-use path from Wilmington Island to the midpoint entrance to the trail, this would allow multi-use connectivity from Wilmington Island all the way to Tybee. This grant would allow Chatham County to perform much needed maintenance and replacement (where applicable) to the bridges along the trail, improve the parking areas, and repair other facilities in preparation of these proposed connections to the trail. Since 6 miles of trail already exist, this project would be used for improvement and repair to existing facilities.

The storm surge destabilized the trail surface which eroded into the surround marsh. This project would remove the sediment that was washed off of the trail and into the marsh, restore the shore of trail and prevent further erosion from the trail from impacting the marsh as well as restoring usability to the trail. The proposed project would help mitigate the impacts of higher tides due to normal spring tides as well as sea level rise making the trail more resilient.

This trail provides excellent public access to salt marsh view-sheds which are popular for local recreation as well as supporting out of town tourism as visitors make their way to Ft. Pulaski and Tybee Island.

Maintenance and reconstruction along the trail would restore the trail to it's pre-storm condition which allows non-motorized traffic to stay off of the extremely narrow and dangerous Highway 80 corridor, improving driving conditions for motorized traffic and making the journey from Bull River Bridge to Ft. Pulaski safer and more enjoyable for non-motorized traffic. This corridor is just waiting on connectivity to other alternative transportation connections such as the Coastal Greenway which is proposed to run adjacent to the trail on Highway 80.

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 \_\_\_\_\_

County Engineer  
Title \_\_\_\_\_

2/3/17  
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) <sup>1</sup>	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	FY 17	\$ 93,709.00	\$ 74,967.20	\$ 18,741.80	\$ 18,741.80	SPLOST				
ROW										
Utilities										
Construction	FY 17-FY18	\$ 931,944.00	\$ 745,555.20	\$ 186,388.80	\$ 186,388.80	SPLOST				
Other activity Specify:										
Other activity Specify:										
Other activity Specify:										
<b>Total Amounts</b>		\$ 1,025,653.00	\$ 820,522.40	\$ 205,130.60	\$ 205,130.60					

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.

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



# CHATHAM COUNTY DEPARTMENT OF ENGINEERING

124 Bull Street, Room 430  
P.O. Box 8161  
Savannah, Georgia 31412-8161  
FAX 912-652-7818  
912-652-7800

*Albert G. Bungard, P.E.*  
County Engineer

*Leon Davenport, P.E.*  
Assistant County Engineer

February 2, 2017

Ms. Jane Love  
Transportation Planner  
Chatham County-Savannah MPC  
110 E. State Street  
Savannah, Georgia 31401

Subject: Transportation Alternatives Program (TAP) Application, Commitment of Stated  
Local Match for the McQueen's Trail Improvement Project

Dear Ms. Love:

This letter is written to confirm that Chatham County has Special Purpose Local Option Sales Tax (SPLOST) funds available to provide the required local match for this project.

If you have any questions, please call Jefferson Kirkland at 652-7800.

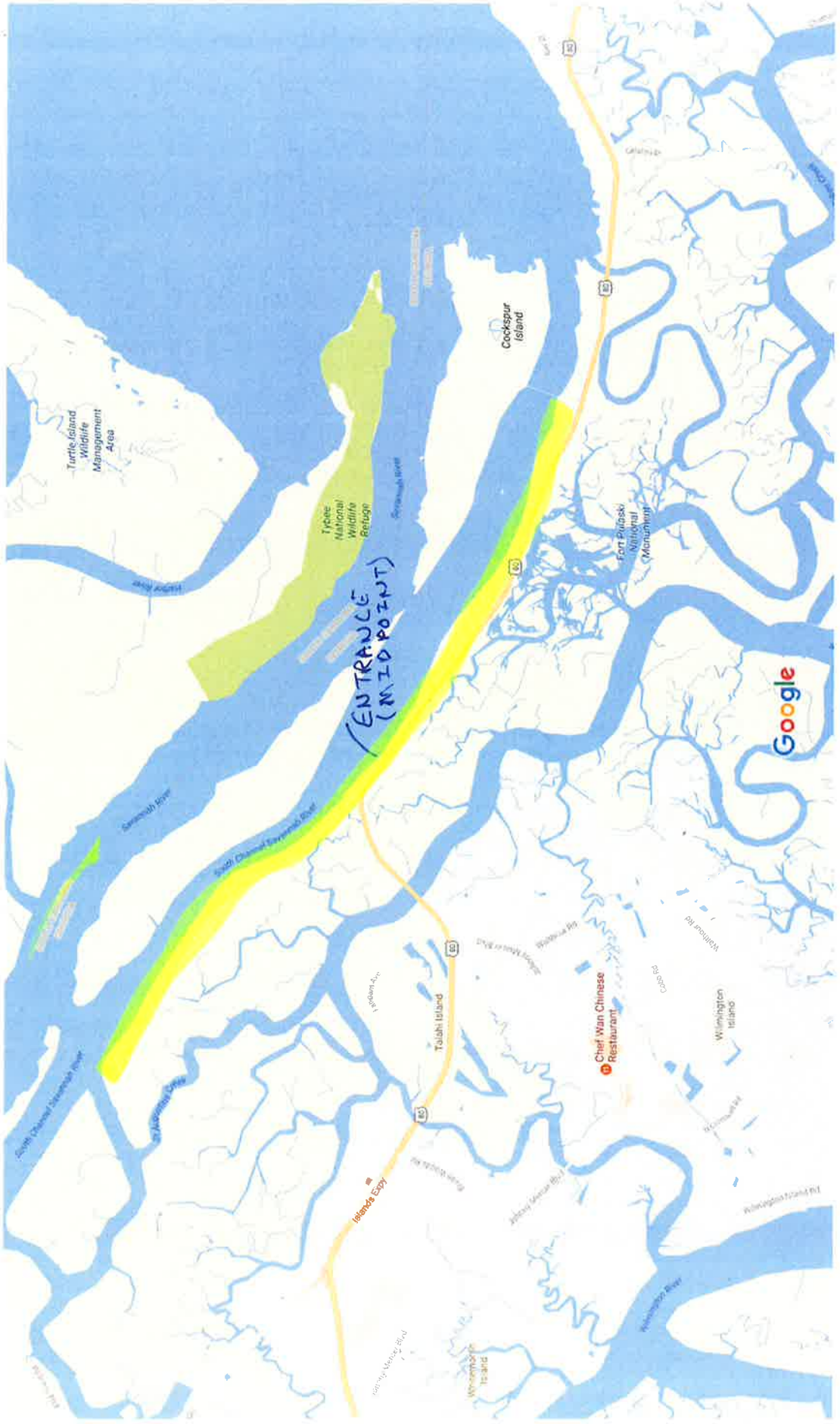
Regards,

Leon Davenport, P.E.  
County Engineer



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Google Maps



Map data ©2017 Google 2000 ft

— TRAIL



## McQueen's Trail Estimate

ITEM	DESCRIPTION	QUANTITY		COST	
		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
<b>Surveying, Engineering, Permitting and Construction Mgmt.</b>					
1	Topographic survey for preparation of construction documents. Design, bid documents, construction administration and environmental permitting	1	LS	\$58,741.00	\$58,741.00
<b>Debris Removal</b>					
2	Remove Trees	18	CY	\$125.00	\$2,250.00
<b>Trail Repair</b>					
3	Surface and Base Course	706	CY	\$136.00	\$96,016.00
4	Subgrade Backfill	2998	CY	\$76.00	\$227,848.00
<b>Recreational Equipment</b>					
5	Reset Sign	3	EA	\$50.00	\$150.00
6	Replace Sign (Wooden)	9	EA	\$100.00	\$900.00
7	Replace Sign (Metal)	1	EA	\$100.00	\$100.00
<b>Timber Bridges</b>					
8	Two Timber Bridges. (1) 100 ft and (1) 70 ft. Combined Unit Price (Includes but is not limited to lumber, piles, decking, stringers, rails and fasteners)	1	LS	\$255,000.00	\$255,000.00
				<b>Total</b>	<b>\$641,005.00</b>

## MITIGATION ESTIMATE

ITEM	DESCRIPTION	QUANTITY		COST	
		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
<b>Surveying, Engineering, Permitting and Construction Mgmt.</b>					
1	Topographic survey for preparation of construction documents. Design, bid documents, construction administration and environmental permitting.	1	LS	\$34,968.00	\$34,968.00
<b>Timber Bulkhead and Bridge Abutment</b>					
2	Environmental permitting	1	LS	\$7,000.00	\$7,000.00
3	Timber Bulkhead	1100	LF	\$228.00	\$250,800.00
4	Rip Rap	440	TN	\$189.00	\$83,160.00
5	Timber Abutment. Combined Unit Price (includes but is not limited to timber posts, lagging, filter fabric and fasteners)	20	LF	\$436.00	\$8,720.00
				<b>Total</b>	<b>\$384,648.00</b>