



Coastal Region Metropolitan Planning Organization

Surface Transportation Block Grant (STBG) Urban Attributable (Z230) Funds

APPLICATION

JANUARY 2017

Send the electronic copy
of the completed application by:

February 3, 2017, 5:00 p.m.

to:

Wykoda Wang, Transportation Administrator
Chatham County-Savannah Metropolitan Planning Commission
110 E. State Street
Savannah, GA 31401

Contact info:
912-651-1466
wangw@thempc.org

Coastal Region Metropolitan Planning Organization
Surface Transportation Block Grant (STBG) Program

CHECKLIST FOR APPLICANTS

- Have you answered all applicable questions in the application?
- Has the appropriate person signed the application?
- Have you filled out the detailed budget table on the last page of this application?
- Have you attached a letter from your governing board or official able to commit to the local match?
- Have you attached a project location map?
- Have you attached information demonstrating the basis of your project's cost estimate?
- Have you attached other information that is applicable to the answers in your application?

Coastal Region Metropolitan Planning Organization (CORE MPO)

Surface Transportation Block Grant Program (STBG) Urban Attributable (Z230) Funds

2017 CALL FOR PROJECTS

The Coastal Region Metropolitan Planning Organization (CORE MPO) is conducting a competitive project selection process to award Surface Transportation Block Grant (STBG) Program Urban Attributable (Z230) funds, provided through the act entitled Fixing America's Surface Transportation Act (also known as FAST Act).

- **Expected Available Funds = \$13 million (federal portion)**
- **Maximum Award = N/A**
- **Minimum Award = \$200,000 (federal portion)**
- **At least 20% of the eligible costs of the proposed project must be locally funded.** (Previously incurred costs cannot be counted as part of the 20% match for the newly awarded federal funds.)

An applicant may request for *at least \$200,000 of federal funds*. The federal funding request in this application can represent no more than 80% of the total cost of the applicant's proposal. For example, if an applicant requests \$1,000,000, and provides no more than the required 20% local match, he/she would be submitting a proposal totaling \$1,250,000.

- **Federal Requirements**

Applicants should keep in mind that using the STBG funds involves adherence to 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.

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

The CORE MPO administered STBG Urban Attributable funds can only be spent within the MPO's Metropolitan Planning Area which includes all of Chatham County, the portion of Effingham County and Bryan County located within the Savannah Urbanized Area, as well as Richmond Hill.

- **Projects, if awarded funds, will be programmed in the CORE MPO's FY 2018 – 2021 Transportation Improvement Program (July 1, 2017 – June 30, 2021).**

Once the project is programmed in the TIP and the awarded federal funding is authorized in a certain federal fiscal year, the funds must be obligated within two years, otherwise the funds will be rescinded for use by other selected priority projects.

Please see CORE MPO Surface Transportation Block Grant Program 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
- Other local or regional governmental entity with responsibility for oversight of transportation improvements that the State of Georgia determines to be eligible.

Eligible Projects

Please indicate **all** applicable categories your proposal falls under. **Please see CORE MPO Surface Transportation Block Grant Program Manual for information on project eligibility.**

- Highway Improvements
- Bridge Improvements
- Transit Improvements
- Operational/Safety Improvements
- Bicycle / Pedestrian /Non-Motorized Improvements
- Planning Studies
- Other

Applicant Information		
Agency Name (i.e. agency that will manage implementation) Chatham County Department of Engineering		Date 02/03/2017
Street Address 124 Bull Street, Suite 430	City, State Savannah, Georgia	Zip Code 31401
Contact Person's Name Nathaniel Panther, P.E.	Title Senior Engineer	
Contact Person's Phone Number (912) 652-7813	Contact Person's Email Address npanther@chathamcounty.org	
Project Manager's Name (if awarded) Nathaniel Panther, P.E.	Title Senior Engineer	

Project Overview		
Project Name Interstate 16 at State Route 307/Dean Forest Road Interchange Improvements		
Project Location Description (please also attach a location map) Existing Highway Interchange at the intersection of Interstate 16 and State Route 307 in Garden City, Georgia.		
County (or counties) in which project is located Chatham	City (or cities), if any, in which project is located Garden City	
Proposal Description Summary The proposed project will provide operational improvements to the I-16 at State Route 307/Dean Forest Road Interchange. The project includes widening and relocation of the existing ramps and reconstruction to a diverging diamond interchange (DDI). The SR 307/Dean Forest Road bridge over I-16 will also be replaced. This project ranked the 3rd most important project in the Georgia Department of Transportation's 2008 Interstate Needs Analysis and Prioritization Plan prepared for Chatham County. An update to this plan completed in 2015 ranked this the 2nd most important project in the plan for proposed improvements.		
Total Estimated Project Cost* \$ 23,492,894	Federal Z230 Funds Requested \$ 432,932	Local Match Available \$ 547,562
*Please also be sure to fill out the Budget Detail Table at the end of this application.		

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 who can commit to the stated local match.

Has your agency managed and completed other federal-aid transportation projects before?

(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 as many as three federal-aid projects completed by your agency, *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?

Georgia Department of Transportation

If a maintenance agreement is necessary, has it been executed? (Chose 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.

The Georgia Department of Transportation and/or Garden City will be responsible for the operational and maintenance costs associated with the project.

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

Additional information:

Y / N / Maybe

The Georgia Department of Transportation is funding right of way acquisition for the project. The current preliminary right of way cost estimate is \$6,265,000.

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

Organization #1	
Georgia Department of Transportation	
Contact Name	Contact Phone
C. Andrew Hoenig, P.E.	(404) 631-1757
Contact Email: ahoenig@dot.ga.gov	
Status of Agreement	
A PFA was not required because GDOT was not providing any funding for preliminary engineering. GDOT is funding ROW, UTL, and CST.	

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, 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 Z230-funded	No. of Months
Preliminary Engineering	18

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
Database Preparation/Traffic Counts	01/2017

Please describe status of any non-Z230 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 Z230 funds + 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 Z230-funded work begins	Estimated completion date
N/A - Funds are ready to be expended.	


In 500 words or less, please describe what public benefits and efficiencies would be provided to our area by your proposed project. (For example, how does your project match the project ranking criteria such as freight connections, safety improvements, congestion reduction, multi-modal connection, impacts to environment and tourism, etc? [Please reference the CORE MPO Surface Transportation Block Grant Program Manual for project ranking criteria.](#))

The interchange at I-16 and SR 307 has been identified for reconfiguration to a Diverging Diamond Interchange. The interchange currently serves several industrial and intermodal sites associated with the Georgia Ports Authority, as SR 307 serves as the primary entrance to GPA's Garden City Terminal. The nature of the adjacent land-use results in a significant amount of truck traffic. Preliminary analysis indicates that both exit ramp intersections are projected to operate at a Level of Service F with excessive delays by the year 2022 and a significant increase in delay times by the design year 2042 if the existing conventional diamond interchange configuration remains. While fatal crashes at both exit ramp intersections were below statewide averages, total number of crashes and injury crashes, largely comprised of rear end and angle crashes, are above statewide averages at the exit ramp intersections. The DDI re-configuration will improve operations at the interchange with both exit ramp intersections projected to operate at a level of service C by the design year 2042. The improvements will reduce the intersection delay and travel times from the ramps and along SR 307 mainline while also reducing crash frequency. Additionally, it will provide more efficient exit and entrance ramp operations which will improve ramp queues and prevent queueing onto the mainlines of I-16. This project was identified as the 3rd most important project for improvements in the 2008 Interstate Needs Analysis and Prioritization Plan prepared by GDOT. The number one project was the Interchange at I-95 and SR 21 (construction of DDI is complete) and the 2nd project identified in the study was I-95 at I-16, which GDOT currently has programmed for improvements. An update to the Interstate Needs Analysis in 2015 identified improvements at this location as the 2nd most important in the region behind the I-16 widening project. This project is critical to improve the safety and efficiency of all users (citizens, tourists, trucks, etc.) driving to and from the Savannah area.

Specific improvements included in the project are replacing the existing traffic signals, installing an additional exit lane for the eastbound off-ramp on I-16, and a 10-ft shared use path and a sidewalks (existing pedestrian improvements do not meet current standards). The existing, deteriorated SR 307 bridge over I-16 will be replaced as a part of the project. Interchange lighting to improve safety will also be included with the project, as will MS4 ponds to improve water quality and flood plain mitigation to offset any required fill placed within the flood plain.

Project Sponsor Signature

SPONSOR



Signature (on hard copy)

2/3/17

Date

Leon Davenport

Print Name

County Engineer

Title

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 who can commit the agency to the stated local match.
- To attach a Project Location Map;
- To attach information showing the Basis of your Cost Estimate.



Budget Detail for Proposal

Project Name:

Activity	Desired Fiscal Year for TIP Programming (GDOT Fiscal Year)*	Total Estimate	Requested CORE MPO Z230 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 C	Source C
					Amount A	Source A	Amount B		
PE	FY 17 / FY18	\$980,494	\$432,932	\$547,562	\$547,562	Special Purpose Local Option Sales Tax			
ROW	FY19	\$6,265,000	\$0	\$0					
Utilities		TBD - GDOT funding	\$0	\$0					
Construction		\$16,136,400	\$0	\$0					
Other activity Specify:	FY 18	\$111,000	\$0	\$0					
Other activity Specify:									
Other activity Specify:									
Total Amounts		\$23,492,894	\$432,932	\$547,562	\$547,562	SPLIST			

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.

Chatham County entered into a supplemental agreement #1 for professional design services with McGee Partners in the amount of \$541,165 (see attached summary of costs). This money has not been expended and Chatham County is seeking an 80/20 on this amount using Z230 funds.

*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. Wykoda Wang
Transportation Planner
Chatham County-Savannah MPC
110 E. State Street
Savannah, Georgia 31401

Subject: Surface Transportation Block Grant (Z230) Application, Commitment of Stated
Local Match for the I-16 at SR 307 Interchange Improvement Project

Dear Ms. Wang:

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 Nathaniel Panther at 652-7813.

Regards,

Leon Davenport, P.E.
County Engineer

Cost Proposal - Supplemental Agreement No. 1

McGee Partners, Inc.

Date: 17-Oct-2016

Summary of Costs

**I-16 at SR 307/Dean Forest Road Interchange Modifications
PI No. 0013727, Chatham County, Georgia**

TASKS	Total Cost	McGee Partners Design Cost	Sligh Environmental Cost	Edwards-Pitman Environmental Cost	Mandel Design Public Outreach Cost	Pont Engineering Bridge Design Cost	Ranger Consulting Geotechnical Cost	Aulick Engineering MS4 Study Cost	Wolverton & Associates Survey/SUE Cost	Atlanta Consult. Engineers Lighting Cost
TOTAL	\$ 541,164.92	\$ 317,700.00	\$ 9,710.00	\$ 74,054.92	\$ 3,500.00	\$ 11,200.00	\$ 42,000.00	\$ 25,000.00	\$ -	\$ 18,000.00
1 Concept Development	\$ 27,556.92	\$ 15,380.00	\$ (890.00)	\$ 9,566.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Database Preparation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 Environmental Studies & Permitting	\$ 84,606.00	\$ 16,620.00	\$ 9,000.00	\$ 58,986.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 Preliminary Plans	\$ 355,732.00	\$ 252,430.00	\$ 1,600.00	\$ 5,502.00	\$ -	\$ 11,200.00	\$ 42,000.00	\$ 25,000.00	\$ -	\$ 18,000.00
5 Right of Way Plans	\$ 33,270.00	\$ 33,270.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Final Plans (Not Included)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7 Special Studies	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Basic Scope of Services

(See Fee Details for complete list of Tasks)

The CONSULTANT shall perform preconstruction engineering activities in general accordance with GDOT's Plan Development Process and AASHTO guidelines including: Concept Development, Database Preparation, NEPA Environmental Studies.

The PROJECT consists of modifications to the I-16 interchange at SR 307/Dean Forest Road. The project will reconstruct the interchange ramps and add additional turn lanes at the ramp intersections. The project may widen the existing SR 307 bridge over I-16 and may reconfigure the ramp intersections as a diverging diamond interchange.

- 1 Concept Development**
Plan for, prepare for and participate in one Public Information Open House (PIOH).
- 2 Database Preparation**
Not included
- 3 Environmental Studies & Permitting**
Complete NEPA environmental studies and assessments of effects. Prepare Categorical Exclusion (CE) for approval.
- 4 Preliminary Plans**
Prepare Preliminary Plans including: roadway plans, profiles & cross-sections; drainage layout and profiles; erosion, sedimentation & pollution control plans; signing & marking plans; traffic signal plans; stormwater BMP plans; partial staging plans; bridge layouts, lighting layouts; and utility coordination plans. Submit Preliminary Plans to Chatham County/GDOT for review, participate in P/PR, and respond to comments. Prepare MS4 feasibility study and report. Prepare Phase I UST/HazMat Survey and Report.
- 5 R/W Plans**
Prepare Right of Way Plans for approval by GDOT.
- 6 Final Construction Plans**
Not included
- 7 Special Studies**
Perform tasks as required to further the development of the project, potentially including: environmental permits, right of way staking, additional survey and SUE information along SR 307 north of the interchange, additional environmental studies, and additional traffic analysis.

County: Chatham

PROJECT LOCATION MAP

PROJECT LOCATION MAP
PI NO. 0013727, CHATHAM COUNTY
I-16 at SR 307/Dean Forest Interchange

