



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](mailto: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

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- Regional transportation authority

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- Transit agency

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- 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

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- Bridge Improvements

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- Transit Improvements

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- Operational/Safety Improvements

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- Bicycle / Pedestrian /Non-Motorized Improvements

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- Planning Studies

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- Other

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

| <b>Project Overview</b>   |   |                                     |
|---|---|-------------------------------------|
| Project Name<br>Island's Expressway Bridge Replacement Project  |   |                                     |
| Project Location Description (please also attach a location map)<br>The project is located east of the City of Savannah on Island's Expressway and will replace the existing bridge crossing the Wilmington River.  |   |                                     |
| County (or counties) in which project is located<br>Chatham   | City (or cities), if any, in which project is located |                                     |
| Proposal Description Summary<br>The proposed project will replace the existing, deteriorated bascule bridges on Island's Expressway over the Wilmington River with two fixed span structures having a minimum vertical clearance of 65-ft. The existing bridges are opened and closed approximately 4,000 times per year, causing significant traffic delay to the nearly 25,000 vehicles that utilize Island's Expressway. In addition, Island's Expressway is a critical hurricane evacuation route for island residents. Replacement of the existing structures will ensure a safe and efficient evacuation from the Island's without the worry of the current bascule bridges malfunctioning.<br><br>The requested Z230 funds will be used to help pay for the City of Savannah and Chatham County's water and sewer relocations associated with the project. |   |                                     |
| Total Estimated Project Cost*<br>\$ \$54,514,024  | Federal Z230 Funds Requested<br>\$ \$257,600          | Local Match Available<br>\$ 631,236 |
| <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 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?**

Chatham County

**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 existing bridges require significant operational costs, including 3 full-time bridge tenders as well as constantly needing to be repaired. The new bridges will have minimal operation and maintenance costs during the first 10 years of operation, providing a significant savings to Chatham County.

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

Additional information:

Y / N / Maybe

Right of way acquisition is complete. Chatham County paid for the required easements and right of way for the project.

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 |
| Scott Mann, PMP   | 770-702-7033  |
| Contact Email: smann@dot.ga.gov   |               |
| Status of Agreement   |               |
| A Project Framework Agreement was executed with the Georgia Department of Transportation on November 30, 2012. GDOT is funding construction of the project in fiscal year 2018. |               |

| 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 |
|----------------------------|---------------|
| Utility Relocation         | 12            |
|                            |               |
|                            |               |
|                            |               |
|                            |               |
|                            |               |
|                            |               |

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      |
|----------------------------|-----------|
| Approved Concept Report    | 3/9/2012  |
| Right of Way Certification | 7/18/2016 |
| NEPA Approved - CE         | 5/26/2015 |
| Final Field Plan Review    | 8/2/2016  |
|                            |           |
|                            |           |
|                            |           |
|                            |           |

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 - Z230 funds are ready to be spent in FY18 when GDOT lets a construction contract. |                           |
|  |                           |
|  |                           |
|  |                           |
|  |                           |
|  |                           |



**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.**)

Island's Expressway provides two parallel bascule bridges over the Wilmington River at Causton Bluff just east of the City of Savannah in Chatham County. Island's Expressway is a four-lane rural highway with grassed medians and is classified as an Urban Principal Arterial. The eastbound bridge was constructed in 1963 and provides two 12-ft lanes. The westbound bridge was relocated from US 80 over the Wilmington River in 1989 and also provides two 12-ft travel lanes. The existing bridges do not have any shoulders or pedestrian facilities. The bridges cross the Wilmington River, which is part of the Atlantic Intracoastal Waterway. The existing bridges have a vertical clearance of 22.3-ft. Islands Expressway is a designated school bus route and is one of two major hurricane evacuation routes for the east island residents according to current FEMA, GEMA and CEMA evacuation plan maps.

The proposed project will replace the existing bascule bridges with two fixed span structures with a minimum vertical clearance of 65-ft. The existing bridges are structurally deficient, functionally obsolete and regularly have to be closed for emergency repairs to keep them in operation. The bridges open and close approximately 4,000 times per year causing significant traffic delays for the nearly 23,000 vehicles that utilize Islands Expressway on a daily basis. The proposed project will increase the vertical clearance of the crossing and eliminate traffic delay and associated lost travel time due to frequent bridge openings.

The maintenance and operation of the bascule bridges are a substantial burden to Chatham County. The annual operating and routine maintenance costs for these bridges represents approximately 60% of the County's annual bridge budget. The average annual maintenance and operation cost for the County over the past four years was approximately \$354,000. The current bridges only provide 100-ft of horizontal clearance for passing vessels, making it difficult for barges and larger boats to pass the bridge. The fender system shows signs of regular collisions with these boats and barges. The new bridge will provide approximately 195-ft of horizontal clearance.

The proposed bridges will also provide 10-ft wide outside shoulders with 6.5-ft paved for pedestrian and bicycle traffic. Replacement of the existing structures will improve safety, significantly reduce delay to vehicles on Island's Expressway and vessels in the Wilmington River, significantly reduce the County's operation and maintenance budget for these structures, will provide bicycle and pedestrian improvements and will improve the transportation reliability of the corridor. A NEPA document was approved in 2015 that showed no adverse environmental impacts associated with the project. Chatham County contributed funding for the PE, ROW, and UTL phases of the project. GDOT is funding CST. The project will promote tourism by providing a safe, reliable means for tourists to travel between the City of Savannah and Tybee Island.

**Project Sponsor Signature**

SPONSOR

  
Signature (on hard copy)

2/3/17  
Date

Leah Danesport  
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: **Island's Expressway Bridge Replacement**

| 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 A                          | Source A      | Amount B | Source B | Amount C | Source C |
| PE                      | Complete  | \$1,242,373         | \$0  | \$456,836   | Local funds spent on P.E.         |               |          |          |          |          |
| ROW                     | Complete  | \$110,000           | \$0  | \$110,000   | Local funds spent on ROW.         |               |          |          |          |          |
| Utilities               | FY18  | \$6,796,100         | \$257,600  | \$64,400  | \$64,400                          | SPLOST        |          |          |          |          |
| Construction            | FY18  | \$46,365,551        | \$0  | \$0   |                                   |               |          |          |          |          |
| Other activity Specify: |   |                     |  |   |                                   |               |          |          |          |          |
| Other activity Specify: |   |                     |  |   |                                   |               |          |          |          |          |
| Other activity Specify: |   |                     |  |   |                                   |               |          |          |          |          |
| <b>Total Amounts</b>    |   | <b>\$54,514,024</b> | <b>\$257,600</b>   | <b>\$631,236</b>  | <b>\$64,400</b>                   | <b>SPLOST</b> |          |          |          |          |

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.

The requested Z230 funds will be used to offset the cost of Chatham County and the City of Savannah's Utility relocations required for construction of the project. GDOT is funding CST in FY2018 in the amount of \$46,365,551 utilizing Z001 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 Island's Expressway Bridge Replacement 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

**Engineer's Cost Estimate**  
**Island's Expressway Bridge Replacement Water/Sewer Relocations**  
**Chatham County**  
**January 19, 2017**  
**Prepared by: CDM Smith**

|   | ITEM     |   | UNIT | QTY   | AS DIRECTED<br>BY ENGINEER | TOTAL QTY | UNIT PRICE | EXTENSION   |
|---|----------|---|------|-------|----------------------------|-----------|------------|-------------|
| 1 | 600-0001 | FLOWABLE FILL                           | CY   | 5     | 0                          | 5         | \$278.08   | \$1,390.40  |
| 2 | 660-1205 | SEWER FORCE MAIN, 2 IN, PVC             | LF   | 2,200 | 0                          | 2,200     | \$22.94    | \$50,468.00 |
| 3 | 670-1020 | WATER MAIN, 2 IN, PVC                   | LF   | 2,230 | 0                          | 2,230     | \$16.80    | \$37,464.00 |
| 4 | 670-1600 | CUT & PLUG EXISTING WATER MAIN, 1.25 IN | EA   | 1     | 0                          | 1         | \$1,160.93 | \$1,160.93  |
| 5 | 670-1600 | CUT & PLUG EXISTING WATER MAIN, 2 IN    | EA   | 1     | 0                          | 1         | \$1,160.93 | \$1,160.93  |
| 6 | 670-2008 | GATE VALVE - 1.25 IN x 2 IN             | EA   | 1     | 0                          | 1         | \$472.50   | \$472.50    |
| 7 | 670-7000 | STEEL CASING, 8 IN, 0.312 IN THICKNESS  | LF   | 235   | 0                          | 235       | \$159.15   | \$37,400.25 |

**CONSTRUCTION TOTAL      \$129,517.01**

*Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. Since Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over competitive bidding or market conditions, Engineer cannot and does not guarantee or warrant that proposals, bids or actual construction cost will not vary from the above cost estimate.*

**Engineer's Cost Estimate**  
**Island's Expressway Bridge Replacement Water/Sewer Relocations**  
**City of Savannah**  
 January 19, 2017  
 Prepared by: CDM Smith

|   |          | ITEM   | UNIT | QTY | AS DIRECTED<br>BY ENGINEER | TOTAL QTY | UNIT PRICE  | EXTENSION    |
|---|----------|--|------|-----|----------------------------|-----------|-------------|--------------|
| 1 | 600-0001 | FLOWABLE FILL                                  | CY   | 45  | 0                          | 45        | \$278.08    | \$12,513.60  |
| 2 | 611-8050 | ADJUST MANHOLE TO GRADE                        | EA   | 1   | 0                          | 1         | \$1,049.66  | \$1,049.66   |
| 3 | 660-1245 | SEWER FORCE MAIN, PVC, 16 IN                   | LF   | 870 | 0                          | 870       | \$130.48    | \$113,517.60 |
| 4 | 660-2070 | LINE STOP - 16 IN                              | EA   | 2   | 0                          | 2         | \$10,612.50 | \$21,225.00  |
| 5 | 660-2245 | PLUG VALVE, 16 IN                              | EA   | 2   | 0                          | 2         | \$3,500.00  | \$7,000.00   |
| 6 | 668-3300 | SAN SEWER MANHOLE, TP 1                        | EA   | 2   | 0                          | 2         | \$8,344.24  | \$16,688.48  |
| 7 | 670-3169 | TAPPING SLEEVE & VALVE ASSEMBLY, 16 IN X 12 IN | EA   | 2   | 0                          | 2         | \$10,000.00 | \$20,000.00  |

**CONSTRUCTION TOTAL      \$191,994.34**

*Cost estimates are made on the basis of the Engineer's experience, qualifications, and professional judgment. Since Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over competitive bidding or market conditions, Engineer cannot and does not guarantee or warrant that proposals, bids or actual construction cost will not vary from the above cost estimate.*

Project Concept Report page 2  
Project Number: CSBRG-0007-00(128)  
P. I. Number: 0007128  
County: Chatham

