

APPLICATION

HOUMA-THIBODAUX METROPOLITAN PLANNING ORGANIZATION (HTMPO) FOR SURFACE TRANSPORTATION PROGRAM (STP<200K)

To be considered for STP<200K funding, a proposed project must be included in the PLANNING AREA covered by the Houma-Thibodaux Metropolitan Planning Organization. One application must be completed for each project being proposed for STP<200K funding. All areas of the application must be completed. If you have any questions, please contact Houma-Thibodaux MPO at 985-851-2900.

Jurisdiction: Lafourche, City of Thibodaux Date: October 27, 2016

Prepared By: Thad C. Angelloz

Contact Person: Thad C. Angelloz

Email: tangelloz@ci.thibodaux.la.us Phone: 985-446-7606

Fax: 985-493-8756

Project Name: Canal Street Bridges over Bayou Lafourche

Project Location: Canal Boulevard, Thibodaux

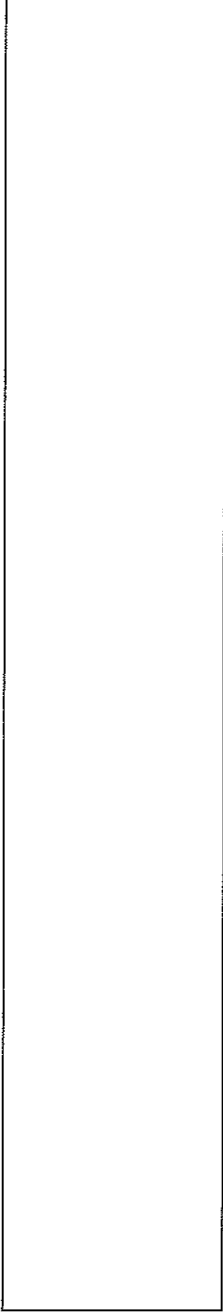
Project Description: (Provide as much detail as possible. Include additional data or maps as attachments.)

This project calls for the replacement of the existing twin bridges on Canal Street/Blvd. over Bayou Lafourche with new, wider bridges. The current bridge structures are considered functionally obsolete and structurally deficient. The bridge structures are nearing their intended design life and will require rehabilitation in the near future to maintain load posting. Obviously the replacement effort will be a significant expense. The City is requesting funding through the MPO to assist with the design costs and non-state participating items costs such as Right of Way and Utilities so that the City can utilize this funding as the required local match money for the Federal Aid Off-System Bridge Replacement Program (see attached budget for estimated totals). Being able to provide these funds is critical in order to put this project on the Off-System bridge replacement list to be programed moving forward.

Need for and benefit to be derived from project:

As stated above, the bridge structures are nearing their useful life span and are considered functionally obsolete and structurally deficient. The City has budgeted funds for repair and minor rehabilitation of these structures to main the current, low load postings, however, the structures need to be replaced going forward. The City's fire departments are not able to cross these structures with some of their fire-fighting apparatus, thereby, causing

potential threat to public safety. Another great benefit is that the new bridges would incorporate a left turn lane SB onto LA 1, an area of heavy queuing currently without a turn lane nor storage. This replacement project is needed to keep this critical route of Canal Blvd. servicing the current Average Daily Traffic of nearly 20,000 vpd. Please draw the typical section of proposed project. (Indicate number of lanes, width of lanes, bike lanes, shoulders, buffers, sidewalks, etc.)



Project Readiness:

Is there community support for the project? (ordinance/resolution) X YES NO

Is preliminary engineering completed? YES X NO

Has funding been identified to cover the required match? X YES NO

Project Activation Request: FY 2017

Requested Funding

Stage	Year Begin	Federal Share	Local Share	Total
Design/PE	FY 2017	\$ 584,000.00	\$ 116,800.00	\$584,000.00
Environmental	FY 2018	\$ 32,000.00	\$ 6,400.00	\$32,000.00
ROW	FY 2019	\$ 110,000.00	\$ 22,000.00	\$110,000.00
Construction	FY 2020	\$ 6,000,000.00	\$ 620,000.00	\$6,620,000.00

Total Project Cost: \$ 7,346,000.00

Identify and describe any additional sources of funding (including grants, local matches, taxing districts, private partnerships, etc.)

The City of Thibodaux is seeking funding assistance for the pre-construction services funding and non-state participating items (Right of Way & Utilities) in order to aid in facilitating the programming of these bridge structures into the Federal Off-System Bridge Replacement Program by LADOTD. Funding provided by the City will be utilized as the local match money required of this program, and supplemented by other Local funds, as needed. Per our request, we are looking for assistance with the Stages listed above as: Design/PE, Environmental, and ROW. This totals to \$726,000 with an assumed local match (20 percent) of \$145,200.

DOTD Functional classification of roadway(s):

 Principal Arterial Minor Arterial X Collector

Length of project (miles): 0.10

Does this project require additional right of way?

 X YES NO

Number of parcels to be acquired 4

Congestion

The project reduces congestion as defined by Level of Service

 X YES NO

The project increases capacity but doesn't impact congestion.

 X YES NO

The project neither increases capacity nor reduces congestion.

 YES NO

Explain:

The replacement structures will be designed to accommodate left turn lanes on the bridges for both the NB Canal Blvd. to NB LA 308 and Southbound Canal Blvd. to SB LA 1, where no existing turn lane exists at the existing signalized intersection and heavy ques are seen daily. This will aide in LOS and lessen congestion.

Capacity

The project improves roadway/intersection capacity.

 X YES NO

The project improves network capacity.

 X YES NO

Explain:

As the newly widened LA 20 project nears completion, this project will aide in capacity as the new turn lanes will move queuing traffic out of the thru lanes, creating free flow across the bridges from the newly rehabilitated LA 20 section to the Canal Blvd. section south of Bayou Lafourche.

Safety

The project addresses a previously identified safety concern.

 X YES

 NO

The project improves safety by including proven safety measures.

 X YES NO

Explain:

Replacement of the bridges will allow for use by all apparatus of the local fire departments. The guardrail approaches to the bridges will be improved with up-to date standards as well as the rails on the bridges themselves with new NCHRP Rails. The addition of the turn lane SB onto LA 1 and the increased storage of the existing turn lane NB onto LA 308 will improve safety in the project area. The project will also

Access Management

The project reduces current conflict points.

 YES X NO

The project reduces future conflict points.

 YES X NO

The project does not address Access Management

 X YES NO

Explain:

Existing conflict points will not be reduced nor added in this project, however, a dual protected left turn at LA 1 will be able to be phased into the signal at LA 1, which can move left turn phase queuing vehicles out of the travel lane of the SB bridge.

Network Connectivity

The project connects existing roadway, pedestrian bike or transit route(s).

YES NO

Conformance with MPO/Local Entity Plans

The project is included in the HTMPO Metropolitan Transportation Plan (MTP).

YES NO

The project is identified by a Local Master Plan.

YES NO

The project is included in the Regional Bicycle and Pedestrian Plan.

YES NO

NO

The project is included in the Safety Coalition's Parish Safety Plan.

YES NO

Complete Streets Policy

The project meets the requirements of the DOTD Complete Streets Policy.

YES NO

Pedestrian and Bike Mobility

How do you plan to accommodate bicyclists?

Shared use Paved shoulder Bicycle lane Separated path

How do you plan to accommodate pedestrians?

A shared use path will be maintained on at least one side of the project, either cantilevered or integral to the SB bridge structure, or provided on both the NB and SB bridge structures via a shared use, single directional sidewalk/bike path, or provided as a shared used, multi-directional path on a separated structure adjacent to the SB structure.

The project incorporates sidewalks, bikeways or pedestrian facilities.

YES NO

The project incorporates measures used to provide for the safety and accessibility of pedestrians and bicyclists.

YES NO

Multimodal

The project is an intermodal connector.

YES NO

The project is along an LTS fixed transit route.

YES NO

The project incorporates "transit system improvement measures".

YES NO

Environmental Justice

The project has a positive impact on the target area.

YES NO

The project has a negative impact on the target area.

YES NO

Freight Network

The project improves freight movements.

YES NO

The project is located on LA DOTD's freight network.

YES NO

___ YES NO

Is this project located on a roadway with fixed route transit service?
 If yes, explain how this project will include coordination with the transit service provider.

Please attach Project's Supporting Ordinance or Resolution and an estimate of probable cost breakdown

Please circle all that apply to your project.

Project Types <small>(*) May qualify for > 80% funding</small>		
Minor Intersection Improvements <ul style="list-style-type: none"> Signal-Returning Remove signal Restrict turns Restrict trucks Improve signage* Re-striping* On-way operations 	Intersection Improvements <ul style="list-style-type: none"> Add signal* Geometry improvement Add turn lanes* Roundabout* Intersection beacon 	Corridor Reconstruction- Access Management <ul style="list-style-type: none"> Frontage roads Driveway control reduction Curb and gutter Add/improve medians Reconstruct roadway Add or widen shoulders* Lane widening Lane narrowing*
Transit System Improvements <ul style="list-style-type: none"> Express bus service Expanded service Light Rail Technology improvements Bike and Bus program Improved transit stops Bus traffic signal priority* Transit marketing Transit pull-outs Shelters 	Bike/Pedestrian Improvements <ul style="list-style-type: none"> Bike lanes Shared use paths* New Paved Shoulders* Wider paved shoulders* New sidewalks Improved sidewalks Marked/raised crosswalks Bike/pedestrian signals Improved signage Curb extensions Bike parking Pedestrian refuge area* 	Corridor Reconstruction – Operations and Channelization <ul style="list-style-type: none"> Synchronize signals Pavement signs* Add turn lanes Minor reconstruction Accel, Decel lanes Extended turn lanes Movable barrier* Reconfigured or improved pavement marking*
Travel Demand Management <ul style="list-style-type: none"> Bus lanes Park and ride lots Vanpool program* Carpool program* TDM marketing & signage Minor Bridge Reconstruction <ul style="list-style-type: none"> Bridge maintenance Bridge replacement 	Safety Improvements <ul style="list-style-type: none"> Guard rails* Roadway lighting* Rumble strips* Safety edge* Roadway safety audits* Railroad crossing closure* Raised centerline markers* Re-striping* Overlays 	Traffic Management <ul style="list-style-type: none"> Traffic surveillance Computerized signal systems Motorist information systems Incident management Corridor Reconstruction – Center Lane <ul style="list-style-type: none"> Center turn lane

Traffic Calming Measures	New Construction	Add Base Capacity
<ul style="list-style-type: none"> • Chokers* • Bulbouts* • Speed tables* • Speed humps* • Chicane* • Neckdowns* 	<ul style="list-style-type: none"> • New road • New interchange • Overpass • Underpass 	<ul style="list-style-type: none"> • Add lanes • Extend roadway • Interchange reconstruction

Submit to:

Joshua Manning
 South Central Planning and Development Commission
 P. O. Box 1870
 Gray, LA 70359

Or via email to

josh@sepdco.org



T. BAKER SMITH, INC.
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Project: Canal Street Bridges over Bayou Lafourche

TBS Project No.: XXXXX

S.P. No.:

Estimate By: D. Hymel

Date: 10/1/2016

Project Status:

CONCEPTUAL

Item No.	Item Description	QTY	Unit	Unit Cost	Total
201-01-00100	Clearing and Grubbing	1	LS	\$5,000	\$5,000.00
202-01-00100	Removal of Structures and Obstructions	1	LS	\$45,000	\$45,000.00
202-02-04000	Removal of Bridge (2@ 191' x 24' Precast with Timber Piles)	1	EA	\$125,000	\$125,000.00
202-02-06140	Removal of Curbs (Concrete)	850	LNFT	\$6.00	\$5,100.00
202-02-38500	Removal of Surfacing and Stabilized Base	1500	SQYD	\$5.50	\$8,250.00
202-02-40100	Removal of Traffic Signal Equipment	1	LS	\$12,500	\$12,500.00
202-02-40120	Removal of Traffic Detectors and Associated Equipment	1	LS	\$10,000	\$10,000.00
203-05-00100	Excavation and Embankment	1	LS	\$20,000	\$20,000.00
302-01-00800	Class II Base Course (Stones or Recycled Portland Cement Concrete)	675.0	CY	\$110.00	\$74,250.00
502-01-00100	Superpave Asphaltic Concrete	345.0	TON	\$150.00	\$51,750.00
509-01-00100	Cold Planing Asphaltic Concrete	2,500	SQYD	\$8.00	\$20,000.00
509-02-00100	Contractor Retained Reclaimed Asphaltic Pavement	-245	CY	\$4.00	-\$980.00
510-01-00200	Pavement Patching (12" Minimum Thickness)	200	SQYD	\$185.00	\$37,000.00
701-03-01000	Storm Drain Pipe (15" RCP/PP)	95	LNFT	\$72.00	\$6,840.00
701-10-01080	Reinforced Concrete Pipe (Extension) (30")	24	LNFT	\$285	\$6,840.00
701-15-00100	Concrete Collar	3	EA	\$1,200	\$3,600.00
702-03-00800	Catch Basins (CB-09)	2	EACH	\$5,800	\$11,600.00
702-04-00100	Adjusting Manholes	7	EACH	\$1,500	\$10,500.00
704-11-00100	Guard Rail End Treatment (Flared)	6	EACH	\$2,500.00	\$15,000.00
706-02-00200	Concrete Drive (6" Thick)	385.0	SQYD	\$70.00	\$26,950.00
706-03-00100	Incidental Concrete Paving (4" Thick)	675.0	SQYD	\$50.00	\$33,750.00
707-01-00200	Concrete Curb (Barrier)	125.0	LNFT	\$12.00	\$1,500.00
707-01-00300	Concrete Curb (Mountable)	600.0	LNFT	\$16.00	\$9,600.00
707-03-00100	Combination Concrete Curb and Gutter	1,400.0	LNFT	\$32.00	\$44,800.00
708-01-00100	Right-of-Way Monument	10	EACH	\$200.00	\$2,000.00
708-02-00100	Right-of-Way Monument Witness Post	10	EACH	\$190.00	\$1,900.00
711-01-03000	Riprap (30lb, 14" Thick)	1,200	SQYD	\$75.00	\$90,000.00
711-04-00100	Geotextile Fabric	1,200	SQYD	\$2.00	\$2,400.00
719-01-00100	Temporary Signs and Barricades	1	LS	\$175,000.00	\$175,000.00
719-07-00100	Temporary Precast Concrete Barrier (Contractor Furnished)	110	EA	\$900.00	\$99,000.00
719-10-00100	Temporary Precast Concrete Barrier Movement	450	EA	\$125.00	\$56,250.00
727-01-00100	Mobilization	1	LS	\$650,000.00	\$650,000.00
729-01-00102	Sign (Type A) (Furnish and Install)	400	SOFT	\$50.00	\$20,000.00
729-16-00300	Object Marker Assembly (Type 3)	8	EACH	\$110.00	\$880.00
729-21-00100	U-Channel Posts	14	EACH	\$100.00	\$1,400.00
731-02-00100	ReflectORIZED Raised Pavement Markers	675	EACH	\$5.25	\$3,543.75
732-01-01000	Plastic Pavement Striping (4" Width) (Thermoplastic 90 Mil)	4,000	LNFT	\$2.45	\$9,800.00
732-01-01040	Plastic Pavement Striping (8" Width) (Thermoplastic 90 Mil)	485	LNFT	\$3.25	\$1,576.25





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732-01-02060	Plastic Pavement Striping (12" Width) (Thermoplastic 125 Mil)	45	LNFT	\$6.00	\$360.00
732-01-02080	Plastic Pavement Striping (24" Width) (Thermoplastic 125 Mil)	320	LNFT	\$12.00	\$3,840.00
732-03-02040	Plastic Pavement Striping (Dotted Line) (8" Width) (3' Length) (Thermoplastic 90 Mil)	0.070	MILE	\$15,000.00	\$1,050.00
732-04-01080	Plastic Pavement Legends & Symbols (Arrow - Lt. Turn)	4	EACH	\$345.00	\$1,380.00
732-04-15020	Plastic Pavement Legends & Symbols (Only)	4	EACH	\$385.00	\$1,540.00
736-01-00100	Trenching and Backfilling	1,400	LNFT	\$5.36	\$7,504.00
736-03-00200	Jacked or Bored Conduit (2" HDPE, SCH 80)	200	LNFT	\$15.77	\$3,154.00
736-03-00300	Jacked or Bored Conduit (3" HDPE, SCH 80)	750	LNFT	\$16.80	\$12,600.00
736-04-04100	Signal Support (30' Single Mast Arm)	1	EACH	\$9,500.00	\$9,500.00
736-04-04120	Signal Support (35' Single Mast Arm)	2	EACH	\$7,000.00	\$14,000.00
736-04-04140	Signal Support (40' Single Mast Arm)	3	EACH	\$9,500.00	\$28,500.00
736-04-04160	Signal Support (45' Single Mast Arm)	2	EACH	\$10,500.00	\$21,000.00
736-05-02000	Signal HDS (3 Sect., 12" LED Lens, R, Y, G)	12	EACH	\$1,000.00	\$12,000.00
736-05-04000	Signal HDS (5 Sect., 12" LED Lens, R, LT, Y, LT, G, G)	4	EACH	\$1,550.00	\$6,200.00
736-06-00200	Signal Serv (Pedestal Req)	2	EACH	\$1,000.00	\$2,000.00
736-08-00071	Signal Controller (TS-2, Type 2, With Ethernet Capability)(Type 6E Cabinet)(Furnish & Install)	2	EACH	\$28,000.00	\$56,000.00
736-10-00300	Underground Junction Box (Type F)	6	EACH	\$700.00	\$4,200.00
736-10-00500	Underground Junction Box (Type H)	2	EACH	\$1,000.00	\$2,000.00
736-11-00900	Conduit (2" HDPE, Schedule 80)	90	LNFT	\$2.50	\$225.00
736-11-00900	Conduit (3" HDPE, Schedule 80)	585	LNFT	\$3.50	\$2,047.50
736-12-02000	Conductor (3C, #6 AWG)	250	LNFT	\$3.50	\$875.00
736-12-04000	Conductor (6C, #14 AWG)	1,000	LNFT	\$1.25	\$1,250.00
736-12-06000	Conductor (10C, #14 AWG)	1,200	LNFT	\$2.25	\$2,700.00
740-01-00100	Construction Layout	1	LS	\$90,000.00	\$90,000.00
803-03-00100	Steel Sheet Pile Wall (And Gate System)	7,200	SQFT	\$65.00	\$468,000.00
804-01-00300	Precast Concrete Piles (16")	11,800	LNFT	\$81.00	\$955,800.00
804-05-00300	Precast Concrete Test Piles (16")	2	EACH	\$38,000.00	\$76,000.00
804-09-00100	Loading Test Piles	1	EACH	\$34,000.00	\$34,000.00
804-10-00100	Reloading Test Piles	1	EACH	\$3,000.00	\$3,000.00
804-11-00100	Redriving Test Piles	1	EACH	\$1,200.00	\$1,200.00
804-12-00100	Loading Permanent Piles	1	EACH	\$4,750.00	\$4,750.00
804-17-00100	Dynamic Monitoring	8	EACH	\$1,500.00	\$12,000.00
805-01-00700	Class A Concrete (Berms)	208.00	CUYD	\$1,100.00	\$228,800.00
805-03-00100	Class AA Concrete	842.00	CUYD	\$925.00	\$778,850.00
805-01-00100	Deformed Reinforcing Steel	175,000	LBS	\$1.50	\$262,500.00
810-01-00100	Concrete Railing (Standard Barrier)	615.00	LNFT	\$85.00	\$52,275.00
810-01-00200	Concrete Railing (Slotted Barrier)	420.00	LNFT	\$92.00	\$38,640.00
813-01-00100	Concrete Approach Slabs	545.00	SQYD	\$345.00	\$188,025.00
NS-600-00220	Saw Cutting Portland Cement Concrete Pavement	1500	LNFT	\$4.00	\$6,000.00
NS-700-00180	Impact Attenuator (Construction Zone)	4	EACH	\$6,000.00	\$24,000.00
NS-736-00001	GPS	2	EACH	\$950.00	\$1,900.00
NS-736-00005	Video Detection Cabinet Components	2	EACH	\$8,400.00	\$16,800.00
NS-736-00006	Video Detection Camera	8	EACH	\$2,075.00	\$16,600.00
NS-804-00001	Vibration Monitoring	175	EACH	\$750.00	\$131,250.00
Sub Total					\$5,281,915.50
Contingency (20%)					\$1,056,383.10
Additional Non-State Participating (Local Items)					\$280,000.00
Engineer's Opinion of Probable Construction Cost (CONCEPTUAL DESIGN)					\$6,618,298.60



RESOLUTION NO. 2064

***A RESOLUTION AUTHORIZING THE MAYOR TO
SUBMIT A GRANT APPLICATION TO HOUMA-
THIBODAUX METROPOLITAN PLANNING
ORGANIZATION FOR SURFACE TRANSPORTATION
PROGRAM (STP<200K) FUNDING***

BE IT RESOLVED by the City Council of the City of Thibodaux in regular session assembled, that:

WHEREAS, the Mayor wishes to file a grant application with the Houma-Thibodaux Metropolitan Planning Organization for Surface Transportation Program Funding (STP<200K); and

WHEREAS, the grant funding will be used to assist with the design costs and non-state participating items costs replacement of the existing twin bridges on Canal Boulevard over Bayou Lafourche; and

WHEREAS, the City of Thibodaux will file an application for STP<200K funding in order to aid in facilitating the programming of these bridge structures into the Federal Off-System Bridge Replacement Program by LADOTD.

NOW, THEREFORE BE IT RESOLVED that the City Council of the City of Thibodaux does hereby support the Mayor's application to Houma-Thibodaux Metropolitan Planning Organization for Surface Transportation Program Funding for use in the replacement of the Canal Boulevard Twin Bridges.

BE IT FURTHER RESOLVED that, should the grant be awarded, this governing body will agree to fund a local match of 20% of the grant amount.

The above resolution having been submitted for a vote, the vote thereon was as follows:

YEAS: Tabor, Richard, Johnson, Badeaux, Mire
NAYS: None
ABSENT: None
ABSTAIN: None

And the above resolution was declared adopted this 18th day of October 2016.

/s/ Jennifer Morvant
Jennifer Morvant, Council Adm.

/s/ Chad J. Mire
Chad J. Mire, President