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TIP Call for Projects Application Review

This page allows you to review and print your submitted application. If you have any questions regarding your application, please contact us at tip@h-gac.com.

Project Information

Project Title

CR 403 Expansion

Primary Agency

City of Pearland

Date Submitted

1/12/2015 4:53:34 PM

Project Narrative

Describe the primary problems to be addressed by the project (Project Need).*1500 characters max*

Running parallel with FM 518, CR 403 serves residential and commercial traffic, bringing motorists east and west between SH 288 and FM 865 (Cullen Parkway). With continued commercial development, increased school traffic, T-ramp access to the SH 288 Toll lanes, and the proposed Brazoria County/Pearland Park and Ride (an Intermodal Terminal on Smith Ranch Road), expansion of this roadway has been deemed necessary to provide a safer, less congested route that adheres to the City's Major Thoroughfare Plan. The project is included in the 2035 Regional Transportation Plan, the City of Pearland Comprehensive Plan, and the Northern Brazoria County/Pearland Subregional Planning Initiative study by H-GAC. The proposed segment includes widening the roadway from 2-lanes of asphalt with roadside ditches into four-lanes, divided, concrete curb and gutter, including storm sewers, outfalls and detention, traffic signals and related items. Primary problems to be addressed are congestion, safety, and improved access to the SH 288 Toll lanes and Brazoria County/Pearland Park and Ride.

Describe the primary outcomes to be achieved by the project (Project Purpose).*1500 characters max*

The roadway will provide enhanced safety and access to Dawson High School and Challenger Elementary, and enhance

access to SH 288, SH 288 Tollway, and Park and Ride in conformance with the City Thoroughfare Plan.

Describe the proposed improvement (Facility/Limits/Description).

1500 characters max

Reconstruction of CR 403 will be from Cullen to Smith Ranch Road (CR 94) from a two lane asphalt open ditch roadway to a four lane concrete curb and gutter boulevard for a distance of two miles.

Describe any alternatives to the proposed improvement which have been considered or will be evaluated.

3000 characters max

No Build

Please describe any opportunities for staged construction of the project.

1500 characters max

None

Staged Construction Attachment

Project Development/Readiness

Has a scoping meeting been conducted with TxDOT or FTA?

Note: A brief scoping meeting will be scheduled during the application review period for any "Major Investment" project which has not already had one.

Yes

Please attach a completed scoping checklist or meeting summary.

[Approved Design Concept Conference.pdf](#)

What level of environmental documentation is required for the proposed project?

Environmental Assessment (EA)

Which CE does the proposed project scope qualify for?

Please Select

Will any permits from the Army Corps of Engineers, US Coast Guard, railroad, etc. be required before the project can be constructed?

No

Please describe the permits needed and the timeline anticipated to acquire them.

1000 characters max

Please provide an estimated completion date for the 30% Design/PS&E milestone.

12/01/2006

Will additional property, or interest in property (easement), be required to implement the project?

Yes

How many parcels or portions thereof remain to be acquired?

24

Please provide an estimated date for the completion of property acquisition necessary for construction activities to begin.

09/01/2015

Has a utility evaluation been completed for the project?

Yes

Please describe the process for utility adjustments/relocations (entity responsible, financial responsibility, etc.).

The utilities will be relocated per existing City of Pearland utility franchise agreement and the City's Right of Way ordinance. The franchise utility owners will be responsible for the relocation and associated costs. Pipeline relocations (if necessary) will be through individual agreements with the pipeline companies and will be 20% City funded and 80% TIP funded.

Will the project improve or significantly affect infrastructure owned or operated by another agency?

No

Please describe the affect and supply evidence of support from the affected agency.

N/A

Evidence of Agency Support Attachment

Please describe previous and upcoming public involvement activities related to the proposed project.

Public Meetings for environmental approval. The project has a Finding of No Significant Impact (FONSI) from the US Department of Transportation on January 10, 2011. Previous 2007 Bond Referendum Presentation to the Public supporting 2015-2018 TIP Projects and providing matching funds. TIP Support Resolution: 2014-153; Annual Budget Hearing and CIP approval; 2014 Thoroughfare Plan update Public Hearing.

Public Involvement Attachment

[Public Support Documents.pdf](#)

Please provide any additional project development/readiness information relevant to the proposed project.

Project is environmentally clear, design is 90% completed and ROW acquisition is underway.

Additional Project Development/Readiness Attachment

[Public Support Documents.pdf](#)

Map/Location

Please provide a clear and concise GIS coverage or PDF map of the proposed project.

(* .mpk ESRI Map Package file preferred)

[Hughes Ranch Roadrev1.pdf](#)

Project Budget

Please attach a completed project budget worksheet.

Templates are available on the [2015 TIP Call Website](#)

Uploaded files are limited to Word Documents, Excel Spreadsheets, PDFs, GIS files, and image files.

File size cannot exceed 30MB.

[CR 403 Budget WS.xlsx](#)

Is this application for a transit project, ITS project, or other project that would have a significant ongoing operating/maintenance cost?

No

Please attach a completed 5-year annual operating budget worksheet.

Templates are available on the [2015 TIP Call Website](#)

Uploaded files are limited to Word Documents, Excel Spreadsheets, PDFs, GIS files, and image files.

File size cannot exceed 30MB.

Are transportation development credits being requested?

No

Please attach a completed TDC application.

Templates are available on the [2015 TIP Call Website](#)

Uploaded files are limited to Word Documents, Excel Spreadsheets, PDFs, GIS files, and image files.

File size cannot exceed 30MB.

Evaluation Questions - Major Investments

Benefit/Cost Methodology

Please attach the completed BCA Excel worksheet and narrative explanation of analyses used

BCA Excel spreadsheet

[Analysis Placeholder.pdf](#)

Analysis Narrative

[Hughes Ranch Road - Traffic Volume.pdf](#)

Narrative Benefits

Safety: Please provide additional description of project benefits.

As a major corridor, it will serve the public with effortless access to SH 288, an evacuation route, and can be of great use during times of evacuation or emergency management. Additional lanes on this roadway will provide safer travels for school traffic as well. Medians will be landscaped and left-turn lanes will be incorporated to better manage access to the roadway and maintain traffic flows. Non-residential driveways shall be placed no closer than 250' from adjacent streets and driveways, unless specifically approved by the City.

Safety Narrative Attachment

Congestion: Please provide additional description of project benefits.

Upon completion, CR 403 Expansion will be a significant relief to regional traffic along FM 518. Addition of new signals will be incorporated into the City's Intelligent Traffic System. This corridor expansion will relieve congestion at Challenger Elementary and a bottleneck at Glenda Dawson High School. Traffic modeling projects a significant increase in congestion along this corridor due to the proposed Park and Ride and T-ramp access to SH 288 Toll lanes unless the roadway is widened.

Congestion Narrative Attachment

Asset Management/Operations: Please provide additional description of project benefits.

Current pavement conditions are good but expected increases in traffic volume from approximately 8,000 ADT in 2012 to 20,000 ADT in 2018 and 30,000 in 2035 will significantly impact the operational expenditures to keep the facility in good or better condition.

Asset Mgmt/Ops Narrative Attachment

[Hughes Ranch Road 1-15 - Generic Benefit Discounting.xlsx](#)

Regional Economic Competitiveness: Please provide additional description of project benefits.

This proposed roadway will connect commuters to a proposed Brazoria County/Pearland Park and Ride, an Intermodal Terminal, connect traffic to the SH 288 Toll Lanes. This will result in improved access to job centers and relieve traffic on SH 288.

Econ Competitiveness Narrative Attachment

Natural/Cultural Resources: Please provide additional description of project benefits.

Pedestrians and bicycle traffic will have safer and more accessible routes along the proposed roadway as the project includes eight-foot sidewalks and ADA accessible ramps. The sidewalk width has been expanded from the original design criteria based on recommendations from the City's Safe Routes to School study. Also, emissions will be reduced with less traffic congestion.

Environment Narrative Attachment



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