

Transportation **I**mprovement **P**rogram

2015 TIP Call For Projects

**Application Workshop - Webinar
October 10, 2014**



Agenda

- Overview of Call For Projects
- Project Evaluation Process
 - Sponsor Responsibilities
- Application Process/Materials

- Q&A

2015 TIP Call For Projects

OVERVIEW

Planning Region



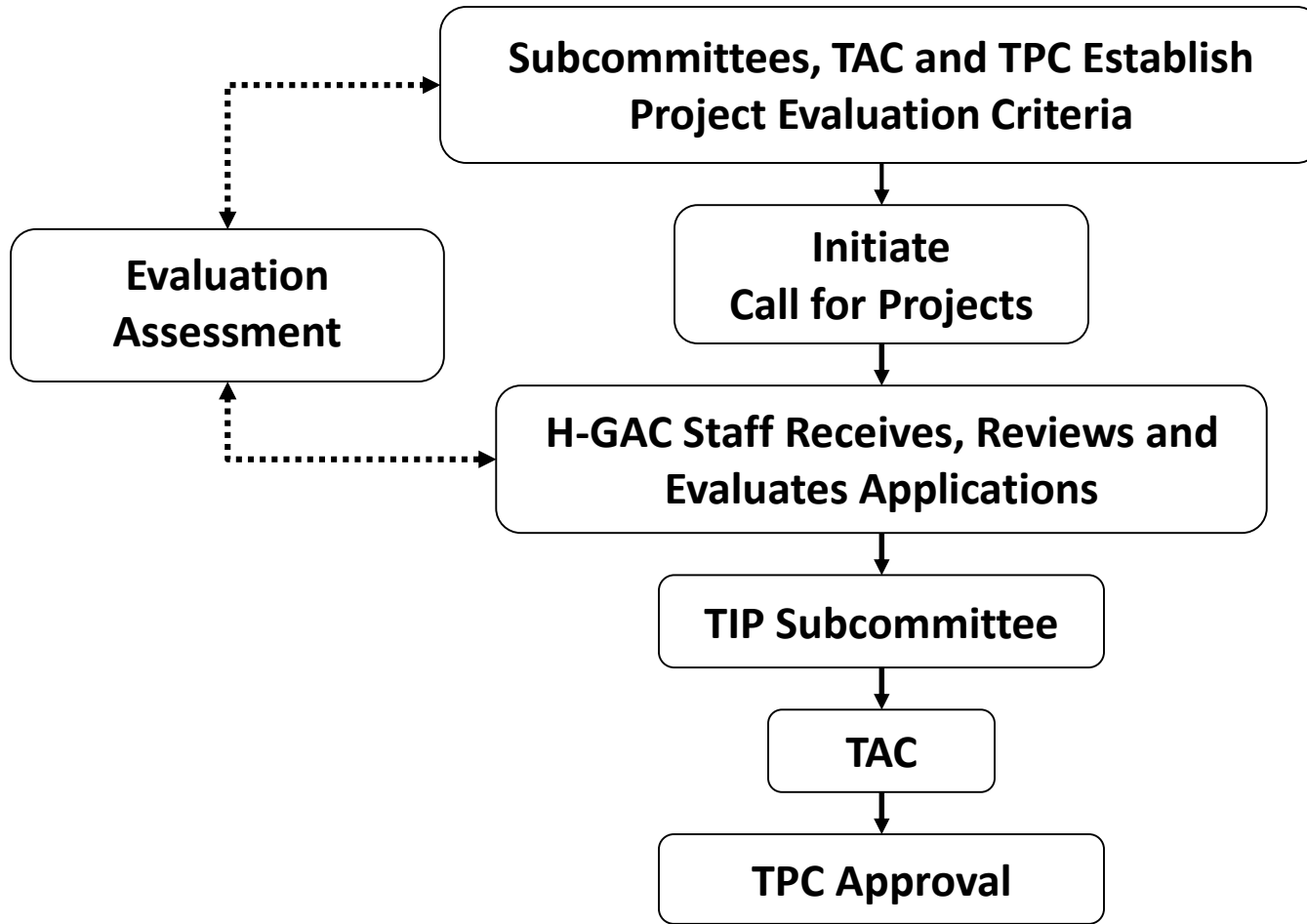
What Is A TIP?

- 4 year program of transportation projects
- Assigns federal, state & local funding to projects
- Implementation device for long range plan
- Multimodal, multijurisdictional
- Approved by Transportation Policy Council

Adopted 2015-2018 TIP

- Reflects last two years of 2013-2016 TIP, plus known project commitments in 2017 and 2018
- Fiscally constrained to reasonably available revenues
 - Draft 2015 UTP (TxDOT)
 - Recent Federal Transit apportionments
 - Local Commitments
- Consistent with RTP and Conformity
- *Approximately \$200M available through FY2018 for next TIP Call for Projects*

Call For Projects Process



General Approach

- Retain existing TPC funding allocation guidance
- Separate larger/smaller investments
 - “Major” Investments (Non-Exempt/EA or EIS)
 - “Other” Investments (Exempt and CE-eligible)
- Incorporate “best practices” from project development workshops

Current Funding Guidance (CMAQ & STP)		Application Updates			
		Invest Type	Conform/Env Doc	Evaluation	Examples
75-82%	Mobility	Major	Non-Exempt EA or EIS	All RTP Goals (BCA + Narrative)	Major Capacity, Interchanges, etc.
		Other	Exempt CE	1 BCA + Planning Factors	Traffic/Access Mgmt, Intersections, Incident Mgmt, ITS
9-13%	Alt Mode	Major	Non-Exempt EA or EIS	All RTP Goals (BCA + Narrative)	Fixed Guideway Transit, Joint Devel. Projects, etc.
		Other	Exempt CE	1 BCA + Planning Factors	Sidewalks, Shared Paths, Cycle Tracks, Transit Access, P&R lots/transit centers, etc.
9-13%	Air Quality	Major	Non-Exempt EA or EIS	All RTP Goals (BCA + Narrative)	???
		Other	Exempt CE	1 BCA + Planning Factors	Clean Vehicles, Vanpool/Shared Ride, Telework, Transit Pilot, etc.
<1%	Planning	Other	Exempt CE	Case-by-case	Studies: Subregional, Thoroughfare, Access Mgmt, Livable Centers Studies

Funding Commitments

- Make commitments beyond 4-year TIP timeframe, retain flexibility for next Call
 - Fully program first 5 years
 - Commit approx. 50% of remaining funds in 10 year UTP

Available Funding (\$M, 100%)

		TIP	UTP	
		2015-2018	2019-2024	Subtotal
Subject to allocation guidance	CMAQ	52.7	235.1	287.9
	STP-MM	123.3	313.1	436.4
	STP-TAP	17.9	3.7	21.7
	Subtotal	194.0	552.0	746.0
Mobility Only	Cat-2	42.3	54.8	97.1
	<i>Prop-1</i>	<i>400.0</i>	<i>300.0</i>	<i>700.0</i>
	Subtotal	442.3	354.8	797.1
Total		636.3	906.8	1,543.1

Current Schedule

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2015 TIP Call For Projects

PROJECT EVALUATION PROCESS

Major Investment Evaluation

- **Sponsors:** B/C Analysis and Narrative for each RTP Goal

Goal	B/C Analysis	Narrative (examples)
Safety	Accident Costs	Design improvements, incident mgmt strategies
Congestion	Travel Time Savings	Extent/duration/etc, op mgmt strategies (pricing, etc.)
Asset Mgmt/Ops	Operating Cost savings/Life-cycle cost savings	Condition, Op Mgmt & asset mgmt strategies
Econ. Comp.	Property value inc > invest cost, jobs created/retained	Announced development/Associated investment
Environment	Emissions Reductions	Mitigation/avoidance strategies

Major Investment Evaluation

- **Staff:** Summarize B/C and narrative benefit for each goal:
 - Very High, High, Notable, Marginal, Limited
- **Staff:** Compute “overall” B/C evaluation, each analysis area normalized and weighted:

Goal	B/C Analysis Weight
Safety	30%
Congestion	30%
Asset Mgmt/Ops	20%
Econ. Comp.	10%
Environment	10%
Total:	100%

Other Investment Evaluation

- **Subcommittees reviewed and updated evaluation criteria**
 - Mobility
 - ITS
 - Transit
 - Ped/Bike
 - Livable Centers

Other Investment Evaluation

- **Benefit/Cost**
 - Delay, Safety or Life-Cycle Cost Reductions
- **Planning Factors**
 - Other Quantitative and Qualitative Project Benefits

2013-2016 TIP Call For Projects
Project Evaluation Criteria and Methodology

Roadway/Mobility (Non-ITS) Projects

PLANNING FACTORS	50%
BENEFIT/COST	50%

Planning Factors - Roadway/Mobility (Non-ITS)

CONGESTION RELIEF	20 PTS	Relieves Bottleneck, Fills Gap, ITS Component
REGIONAL IMPACT	20 PTS	NHS, Major Corridor, Environmental Justice, Economic Development, Connect To Interstate

2013-2016 TIP Call For Projects
Project Evaluation Criteria and Methodology

Roadway/Mobility (ITS/Operations) Projects

PLANNING FACTORS	75%
BENEFIT/COST	25%

Planning Factors - ITS/Operations

SYSTEMS REDUNDANCY/CONTINUITY OF OPERATIONS	3 (1800)	1 Will the proposed system provide redundancy of communications to allow for continuity of operations in the event of a disruption? 1 Will the system allow for continuity of operations in the event of power loss? 1 Will the system allow for interagency redundancy?
SYSTEM MIGRATION/EXPANDABILITY	2 (1200)	1 Can the system expand the regional communications network? 1 Will the system NOT utilize proprietary systems that will not integrate with other systems in the region?
INTEGRATION AND INFORMATION SHARING	4 (2400)	1 Will the system tie into a centralized operations center? 1 Will the system tie into another agency's systems to allow for the sharing of data? 1 Will the system allow for potential control by another agency in the event of a primary agency's loss of system control? 1 Will the system collect and provide data available for traveler information access?
INCIDENT/EVENT MANAGEMENT	5 (3000)	1 Will the system be an integral part to an incident management system? 1 Is the system on an identified hurricane evacuation route? 1 Will the system provide notification of a potential problem on the roadway system? 1 Will the system give priority for emergencies? 1 Will the system be used for management of special events?
SYSTEM LIFECYCLE/MAINTENANCE ISSUES	3 (1800)	1 Is the projected lifespan of the system being installed five (5) years or greater? 1 Is the upgrade cycle of the system being installed five (5) years or greater? 1 Do you have a formal maintenance program in place?
TOTAL	17	Score will be adjusted to 0-100 scale (each "yes" = 5.9 points on a 0-100 scale)

Houston-Galveston Area Council

Readiness/Screening Info

- **Retain previous readiness info/targets:**
 - Environmental Doc/Permits
 - Design/PS&E
 - ROW/Property Acquisition
 - Utility Coordination
- **Conformity:** Consider all projects, may not recommend construction \$\$ in early years if conform update needed

Local Commitment Documentation

- Financial Support
 - Council/Court/Board Resolutions;
 - Adopted capital budget (CIP); or
 - Letters from officials with executive control.
- Local Government Concurrence
 - Council/Court/Board Resolutions; or
 - Letters from officials with executive control.

Add'l Readiness Info/Targets

- Project Scoping Mtg w/TxDOT
 - Major Investments Only
- Public Involvement
- Financial Plan

Development Targets

Project Agreement Execution (AFA)	30% Design/ PS&E	Environmental Clearance	ROW Acquisition and Environmental Permits
Sep 1 (1 year before letting FY)	Jan 1 (8 mo. before letting FY)	May 1 (5 mo. before letting FY)	Sep 1 (Beginning of letting FY)

Add'l Readiness Info/Targets

Criteria	Possible Application
Financial Plan	<p><u>Major Invest</u>: Budget by year, all sources committed, anticipated or requested (e.g. City of Houston CIP) and status of commitment. Include development and construction activities.</p>
	<p><u>Other Invest</u>: Basic budget, include local source info (gen fund, bond, TIRZ, etc.) and status of commitment.</p>
	<p><u>All</u>:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Current estimates based on current prices. <input type="checkbox"/> TDC application, if requesting credits <p><u>Projects with major operating costs (transit, ITS, etc.)</u>: Include 5-year annual operating budget including all sources committed, anticipated or requested and status of commitment.</p>

2015-2019 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**CITY OF HOUSTON - STREET & TRAFFIC CONTROL**

Project: Tanner Road Paving & Drainage HEMPSTEAD HIGHWAY TO TRIWAY		Project No.		N-000589	
Project Description					
Project provides for the right-of-way acquisition, design and construction of a four-lane divided concrete roadway with storm drainage, curbs, sidewalks, driveways, street lighting, traffic control, and necessary underground utilities.		City Council District			
		Location	A	Address Descr 2:	
		Served:	W	Zip Codes:	
		Key Map:	449CD, 450	Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Project will replace and widen a street that has been deteriorated beyond economical repair and normal maintenance. It will improve traffic circulation, mobility and drainage in service area. These improvements will upgrade existing roadway to MTFP standards. (Candidate TIP project)		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2015-2019	Project Total
		2015	2016	2017	2018	2019		
Planning								
Acquisition-Land	35							35
Design	4,649							4,649
Construction	1,555			13,954			13,954	15,509
Equipment Acquisition								
Salary Recovery								
Other	759							759
Total Allocation	6,998			13,954			13,954	20,952
Source of Funds								
4040 - METRO Projects Construction - DDSRF	1,390			1,058			1,058	2,448
4042 - Street & Trfc Control & Strm Drain DDSRF	2,270			2,116			2,116	4,386
4510 - Contribution for Capital Projects								0
8500 - PWE-W&S Syst Consolidated Constr Fd								0
Proposed TXDOT				10,780			10,780	10,780
Total Funds	6,998			13,954			13,954	20,952

Sponsor Self-Evaluations

- Sponsors must submit self-evaluations as part of application for funding
 - **Benefit/Cost**
 - Detailed analysis using common assumptions
 - H-GAC assistance is available/required
 - Added Capacity, ITS, Bike/Ped/LCI projects
 - **Planning Factors/Narrative**
 - Justification for Points (*supporting docs as needed*)

Application Resources

- Templates
 - Financial Plan
 - Benefit Cost Analyses
- Guidance
 - Benefit Cost Analyses
- Data
 - Travel Demand Model Networks (Volumes/Capacities)
 - Crash Data (By Request Only)

H-GAC Assistance

- Assistance available during 60-day application period
 - Must arrange in advance, minimum of 15 business days
 - *Last day to request = Nov 24*
 - Request assistance by email, including Project Application Number
 - *Online application must have completed/attached:*
 - *Project Narrative (Need/Purpose/Description)*
 - *GIS/Map*



Cost Benefit Analyses

- Period of Analysis: Lesser of 20 years or Service Life
- Assumed Economic Values
 - Tied to USDOT TIGER Guidance
 - Provided in Excel Templates
- Safety – TIGER Analysis (AIS)
 - Suggest using TxDOT HSIP Work Codes
 - CRIS to AIS conversion in template

2015 TIP Call For Projects

APPLICATION PROCESS AND MATERIALS


Application Instructions

- **Due Date:** December 15, 2014
- **Format:** Online Web Application
- **Additional Required Documentation:**
 - Signed Submission Form (transmittal letter)
 - Detailed Map(s)
 - Supporting Information (Excel templates)

Deficient Applications

- **Remedy Period: 10 business days**
- **Applications must be substantially complete to receive consideration**
 - After initial review, H-GAC will alert designated representative noting application deficiencies

Pre-Application

 Houston-Galveston Area Council

≡ About H-GAC

Enter search keywords here.

SEARCH

ResidentsBusinessGovernment

TIP Call for Projects Pre-Application

Contact Information

Paragraph to describe what we are looking for here.

All fields are required.

First Name

APPLICATION PROCESS/MATERIALS

Pre-Application

- **Basic Contact/Agency Info**
- **Application Determination**
 - Major Investment
 - Other Investment
- **Login Credentials**

[LINK](#)

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For More Information

- <http://www.h-gac.com/taq/tip>
- H-GAC Contact: David Wurdlow
 - david.wurdlow@h-gac.com
 - (713) 993-2490
- TxDOT Contact: Catherine McCreight
 - Catherine.McCreight@txdot.gov
 - (713) 802-5812

Sponsors with projects within the City of Houston:

- **Anna Sedillo**

City of Houston

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