



2018 Call for Projects Workshop



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Regional Collaboration • Transportation Planning • Multimodal Mobility



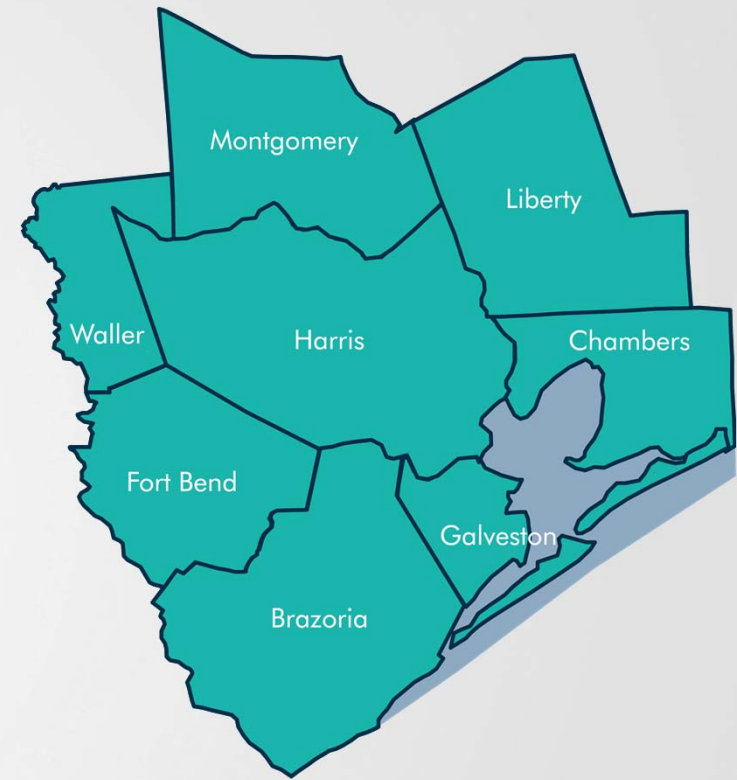
2018 Call for Projects - Workshop

■ Agenda

- Overview
- Project Selection Process
 - Evaluation
- Application Process
- Templates

2018 Call for Projects - Overview

- Call open **Sept 4 – Oct 31, 2018**
- State, Local Govts, Public Ports, Transit Agencies, Special District w/Local Govt Support
- Three Time Periods: TIP, 10-Year, RTP



2018 Call for Projects Schedule

	July	Aug	Sept	Oct	Nov	Dec	2019 Jan	Feb	March
Evaluation Criteria		+	●						
Evaluation Criteria Workshop	+	● *							
Approve Project Call		● *							
Application Submission			+ (Yellow bar)						
Application Workshop			▲						
Project Selection/Prioritization					+ (Green bar)				
Draft Project List							+	● *	
30 Day Public Comment								■ (Red bar)	
Project Recommendation									+ ● *

- + TIP/RTP Subcommittee Meeting
- Application Submission
- Transportation Advisory Committee Meeting
- Projects Selection/Prioritization
- ★ Transportation Policy Council Meeting
- Public Comment Period
- ▲ Application Workshop



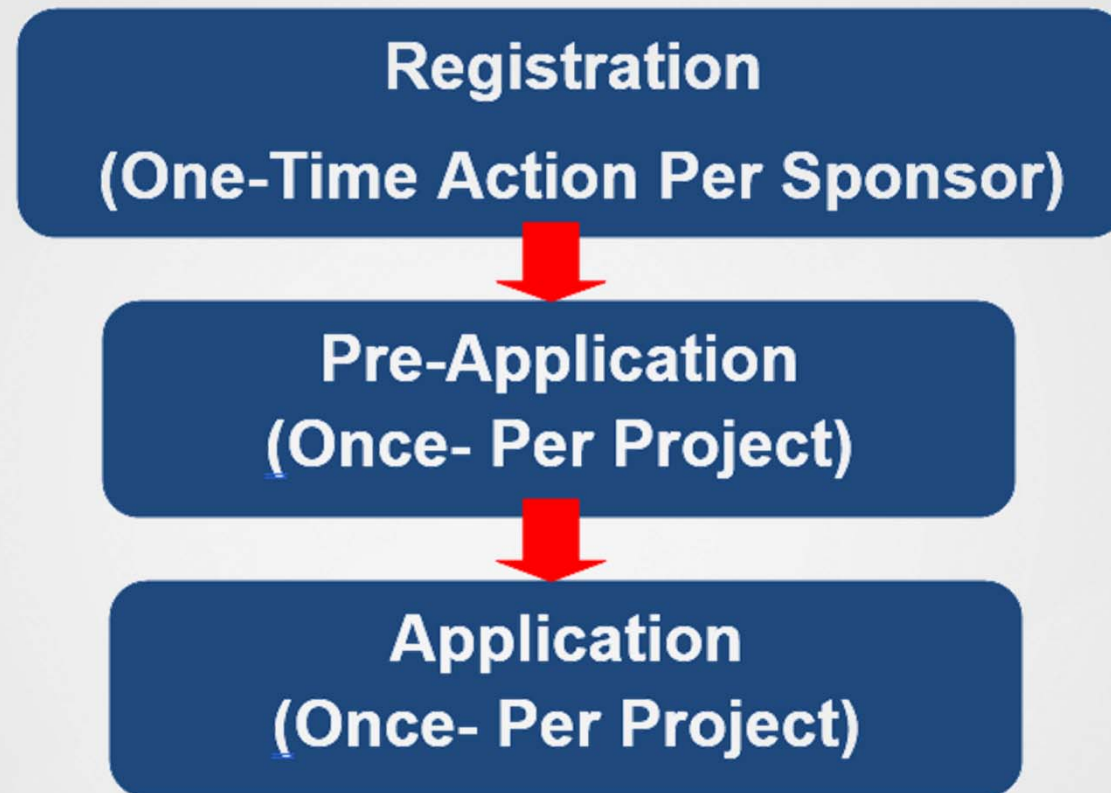
2018 Call Projects: Project Scoring

- **50% Benefit Cost Analysis**
 - Safety benefits/Crash Reduction
 - Reduced travel delay
 - Air quality benefits
- **50% Planning Factors**
 - Vary based on type of project
 - Same for all “Major Investments” costing > \$100M
 - Inter/Intra Reg Mob.; Multimodal LOS.; Resiliency.; State of Good Repair.; Economic Competitiveness.

Other Investments Categories

- Access Management/Safety/Grade Separations
- Active Transportation
- AV/CV Infrastructure
- Infrastructure Resiliency
- Innovative Freight Movement
- Regional ITS Infrastructure
- Rehabilitation/Reconstruction
- Roadway Added Capacity/New Construction/Complete Streets
- Transit Expansion
- Transit Facility State of Good Repair
- Transit Passenger Facilities
- Transit Priority Infrastructure

2018 Call Projects: Application Process



2018 Call Projects: Registration

- **Registration (one-time action Per Sponsor)**
 - Contact information
 - Primary Agency information
 - Primary Agency Contact
 - Consultants Representing Multiple Agencies Need To Register for Each Agency
- **Confirmation**
- **Submit a Pre-Application**

2018 Call Projects: Pre-Application

- **Information Required**
 - Additional Agency Information
 - Project Information
 - Letters of Support
 - Project Readiness
 - Map
 - Budget

2018 Call Projects: Pre-Application

■ Project Information

- Location and Limits
- Project Type/Investment Category
- Total Capital Investment (Estimated Federal + Local)
- Federal Funding Requested
- Letters of Support/Funding Commitment

2018 Call Projects: Pre-Application

■ **Project Development/Readiness**

- Development/Design
- Environmental Clearance
- ROW Acquisition
- Utility Coordination
- Timeline

2018 Call Projects: Pre-Application

- **Location Map**
 - GIS
 - Shapefiles, pdf, MPK, zip files
- **Budget**
 - Federal Request
 - Local Match

Project Budget

■ Budget

- Federal Request
- Project Phase
- Local Match

■ All Costs in 2018 \$s

All project costs must be entered in 2018 \$s. Costs will be inflated to programming year by HGAC staff.

Project Information			
Project Title			
County			
Facility/Street Name			
TDCs Requested (Y/N)			
Project Costs ('000s)	Estimated Start Date	Estimated Completion Date	Project Total ('000s)
Planning/Environmental			---
Design			---
Property/ROW Acquisition			---
Utility Relocation			---
Construction			---
Federal Requested			---
Local/State Match ('000s)			
State			---
Local - General Revenue			---
Other			---
Total Match			---
Total Project Cost ('000s)			---



Application

- **All Investment Categories**
- **Benefit/Cost Analysis**
 - **Quantitative and Narrative**
 - Safety Benefits
 - Delay Benefits
 - Emissions Benefits
- **May Provide Additional Benefits**

BCA Templates

- All templates are Excel Files
- Instructions
- Input & Outputs
- Input data in Blue and Green Shaded Cells
- Calculations, Assumptions, Factors tabs

Safety Benefits Roadways

■ Roadways

- Safety Improvement Type
- Existing 2018 ADT
- If Multiple Improvements are Proposed Select the Improvement Type That Provides Highest Crash Reductions
- Model Requests Must be Submitted by Sept 28th to HGAC

Project Information	
Project Title:	
County	
Facility Type	
Street Name:	
Limits (From)	
Limits (To)	
Length (in Miles)	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Safety Improvement Type	
Work Type Code	#N/A
Appropriate Crash Reduction Factor (%):	#N/A
Service Life (years):	#N/A
Daily Travel Demand	
2018 Volume (ADT)	
2018 Peak Period traffic Volume	
2018 Peak Period Capacity	
Estimated 2025 Peak Period Traffic Volume	
2025 Peak Period Capacity	
Estimate 2045 Peak Period Traffic Volume	
2045 Peak Period Capacity	
OUTPUTS	
Benefit Results	
Discounted Safety Benefits @ 7% (2018 \$, '000s)	#N/A

Safety Benefits

- **Active Transportation - Transit**
 - Type of Improvement
 - Estimated New Users in Year Open to Traffic
 - Estimated Peak Volumes and Capacities 2018, 2025, and 2045
 - Model Requests Must be Submitted by Sept 28th to HGAC

Project Information	
Project Title:	
County	
Facility Type	
Street Name:	
Limits (From)	
Limits (To)	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Type of Improvement:	
Service Life (years):	#N/A
Daily Travel Demand	
Estimated Number of New Daily Users in Year Open to Traffic	
Average One-Way Trip Length in miles	
2018 Peak Period Traffic Volume	
2018 Peak Period Roadway Capacity	
Estimated 2025 Peak Period Traffic Volume	
2025 Peak Period Roadway Capacity	
Estimated 2045 Peak Period Traffic Volume	
2045 Peak Period Roadway Capacity	
OUTPUTS	
Benefit Results	
Discounted Safety Benefits @ 7% (2018 \$, '000s)	#N/A

Delay Benefits

■ Roadways, Active Transportation and Transit

- Existing 2018 ADT
- Service Life of Project
- Estimated Free Flow/Avg Speed
- Model Requests Must be Submitted by Sept 28th to HGAC

Project Identification	
Project Title:	
County	
Facility Type	
Street Name:	
Limits (From)	
Limits (To)	
Length (in Miles)	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Type of Improvement	
Estimated Delay Reductions (in %)	#N/A
Service Life (years):	
Daily Travel Demand	
2018 ADT	
2018 Peak Period Traffic Volume	0
Peak Period Traffic Volume in Year Open to Traffic	#N/A
Estimated Free Flow Speed before improvement	
Average Peak Period Corridor Speed before improvement	
2018 Peak Period Traffic Volume	0
2018 Peak Period Roadway Capacity	
Estimated 2025 Peak Period Traffic Volume	
2025 Peak Period Roadway Capacity	
Estimated 2045 Peak Period Traffic Volume	
2045 Peak Period Roadway Capacity	

Emissions Benefits

■ Roadway Corridors

- Type of Improvements
- Average Corridor Speed
 - Before and After
- Model Requests Must be Submitted by Sept 28th to HGAC

Project Information	
Name:	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Project County	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Type of Improvement	
Type of Facility	
Total Length of Corridors Effected by Project (miles)	
Average Roadway Speed Before Improvement (mph)	
Average Roadway Speed After Improvement (mph)	
Service Life of Project (from MoSERS)	#N/A
Daily Travel Demand	
Total 2018 Daily Traffic Volume for Corridors Effected by project	
Total Estimated 2025 Daily Traffic Volume for Corridors Effected by project	
Total Estimated 2045 Daily Traffic Volume for Corridors Effected by project	
OUTPUTS	
Benefit Results	
Discounted NOx Benefits @ 7% (2018 \$)	#N/A
Discounted VOC Benefits @ 7% (2018 \$)	#N/A
Total Emissions Benefit Results	
Discounted Emissions Benefits @ 7% (2018 \$)	#N/A
Total Emissions Reductions	
NOx Emission Reductions (tons)	#N/A
VOC Emission Reductions (tons)	#N/A

Emissions Benefits

- **Intersection Improvements**
 - Type of Improvements
 - Average Vehicle Delay
 - Before and After
 - Average Peak/Off Peak Intersection Volumes
 - Peak Intersection Volumes in 2018, 2025, & 2045

Project Information	
Name:	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Project County	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Type of Improvement	
Service Life of Project (in years) (from MoSERS)	#N/A
Average Vehicle Delay at Intersection Before Implementation (in hours)	
Average Vehicle Delay at Intersection After Implementation (in hours)	
Daily Travel Demand	
Average Daily Peak Period Intersection Traffic Volume (6-9 AM + 3-7 PM) (2018)	
Average Intersection Daily Traffic Volume During Off-Peak Hours	
2018 Peak Traffic Volume at the Intersection	
Estimated 2025 Peak Traffic Volume at the Intersection	
Estimated 2045 Peak Traffic Volume at the Intersection	
OUTPUTS	
Benefit Results	
Discounted NOx Benefits @ 7% (2018 \$, '000s)	#N/A
Discounted VOC Benefits @ 7% (2018 \$, '000s)	#N/A
Total Emissions Benefit Results	
Discounted Emissions Benefits @ 7% (2018 \$, '000s)	#N/A
	#N/A
NOx Emission Reductions (tons/year)	#N/A
VOC Emission Reductions (tons/year)	#N/A

Emissions Benefits

Active Transportation

- Type of Improvements
- Average Roadway Speed
- Estimated New Users in Year Open to Traffic
- Average One-Way Trip Length
- Peak Period Traffic Volumes in 2018, 2025, and 2045

Project Information	
Name:	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Project County	
Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	
Type of Improvement	
Facility Type	
Average Roadway Speed (mph)	
Service Life of Project	#N/A
Daily Travel Demand	
Number of New Daily Users in Year Open to Traffic	
Average One way Trip Length	
2018 Peak Period Traffic Volume	
2025 Peak Period Traffic Volume	
2045 Peak Period Traffic Volume	
OUTPUTS	
Benefit Results	
Discounted NOx Benefits @ 7% (2018 \$)	#N/A
Discounted VOC Benefits @ 7% (2018 \$)	#N/A
Total Emissions Benefit Results	
Discounted Emissions Benefits @ 7% (2018 \$)	#N/A
	#N/A
NOx Emission Reductions (tons/year)	#N/A
VOC Emission Reductions (tons/year)	#N/A

Emissions Benefits

■ Transit Vehicle Purchase

- Year Open to Users
- Transit Vehicle Model Year
- Transit Vehicle Type
- Average One-Way Trip Length
- Daily One-Way Trips
- Estimated Transit Ridership Per Trip

Project Information	
Name:	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Year Open to Users?	
Applicable Project Life (from MoSERS)	
Route Road Type	
Transit Vehicle Model Year	
Passenger Vehicle Type	
Transit Vehicle Type	
Transit One-Way Trip Length (miles)	
Daily Transit Vehicle Trips	
Estimated Transit Ridership per trip: Year 1	
Estimated Transit Ridership per trip: Year 2	
Estimated Transit Ridership per trip: Year 3	
Estimated Transit Ridership per trip: Year 4	
Estimated Transit Ridership per trip: Year 5	
Estimated Transit Ridership per trip: Year 6	
Estimated Transit Ridership per trip: Year 7	
Estimated Transit Ridership per trip: Year 8	
Estimated Transit Ridership per trip: Year 9	
Estimated Transit Ridership per trip: Year 10	
OUTPUTS	
Benefit Results	
NOx Discounted Emission Reduction Benefits @ 7% (2018 \$)	#VALUE!
VOC Discounted Emission Reduction Benefits @ 7% (2018 \$)	#VALUE!



Planning Factors

■ Major Investments

- Inter/Intra Reg Mob
- Multimodal LOS
- Resiliency
- State of Good Repair
- Economic Competitiveness

■ Major Investments

- Varies based on Investment Category

Reliability Benefits

- Level of Travel Time Reliability
 - Project Information
 - Type of Improvement
 - ADT
 - Before and After Improvement

Project Information	
Name:	
Application ID Number:	
Sponsor ID Number (CSJ, etc.):	
Year Open to Traffic? (Must be >=2021)	
Does the project add capacity (lanes)?	
Primary Project Type	
Facility Type	
Involves access management?	
If yes, what is the street type	
Involves grade separation?	
Involves installation of ITS infrastructure?	
Do you have a current PTI estimate?	
If yes, input a value (must be >= 1.0)	
Source for PTI estimate (please provide reference link)	

Daily Travel Demand	Before implementation	After implementation
ADT		
Number of Lanes		
ADT per lane	N/A	N/A
PTI estimate	FALSE	FALSE
Estimated reliability benefit	N/A	
Points	N/A	

2018 Call for Projects Office Hours

- Sponsors May Schedule Meetings With HGAC Staff²⁰¹⁹
- By Appointment Only
- Two Days a Week Starting September 25, 2018
- Email 2018cfp@h-gac.com

2018 Call for Projects

- <http://www.h-gac.com/2018-call-for-projects/default.aspx>
- 2018cfp@h-gac.com
- Vishu Lingala: Vishu.Lingala@h-gac.com