

2018 SRTC Call for Projects Application

PROJECT TITLE: HAVANA STREET – PACIFIC TO BROADWAY



AGENCY RANKING (your top 10 projects will receive bonus points; 1 = highest priority 10 = lowest): n/a

REQUESTED SRTC REGIONAL FUNDS (STBG, CMAQ or STBG Set-Aside): \$5,836,971

GENERAL PROJECT INFORMATION

Agency or Organization	City of Spokane	Phone Number	509-625-6419
Contact Person	Brandon Blankenagel bblankenagel@spokanecity.org	Email Address	

Project Information

Project Location

Havana Street from Pacific Avenue to Broadway Avenue

Urbanized Area Urban Small Rural

Federal Functional Classification

Urban Minor Arterial

Project Description

Project scope (include termini and length)

Reconstruction of pavement for approximately 2,600 feet of Havana Street between Sprague Avenue and Broadway Avenue. Sidewalk infill, as appropriate. Updates for street lighting, traffic signals, and communication lines. ADA compliance updates. Updates to at-grade railway crossings. The right-of-way phase will involve working with the Union Pacific Railroad and Spokane County to resolve ownership issues along Havana Street. Install new street lighting to address pedestrian safety issues on Havana from Pacific Ave. to Sprague Ave.

Existing and proposed conditions

Havana Street is a 4-lane roadway (2 lanes each direction) that is 48 feet wide. The existing pavement is in poor condition. Sidewalk exists along most of the corridor along one side, however there are gaps, particularly near the railway crossings (a pedestrian at-grade crossing may be prohibited by the railway). At-grade railway crossings of this busy roadway have proven to be a hazard, and warrant activated gates. The project will reconstruct pavement, fill sidewalks gaps including across the railway if possible and place activated gates for the rail crossing.

Project purpose and outcomes

Rehabilitate pavement to reset the life of the facility, promote economic activity, and facilitate active modes of transportation.

The project sponsor must indicate that the project, once completed, will be maintained for the life of the project.

Please describe the plan, cycle, funding source and enforcement mechanisms (i.e. snow removal policy) to maintain this project for year-round/four-season use.

City street maintenance is conducted by policy and season as appropriate. Winter snow removal is conducted first on arterial streets and hills, and secondarily on non-arterial streets. Spring and summer sweeping is conducted first on arterial streets, second to non-arterial streets, and will be repeated as time within the season allows. Fall leaf pick-up is conducted once annually, again with arterial streets first.

Sidewalk maintenance, by code, is the responsibility of adjacent property owners. Trails are not maintained, except through Riverfront Park.

Project Delivery Tools

- The project sponsor must certify that they will utilize all project delivery tools available, including eminent domain, to acquire ROW, if necessary, to meet project obligation schedules.

Attachments

- Vicinity map
- Typical Cross Sections (if changed from Eligibility Worksheet)
- Cost Estimate
- Project Endorsement form

Cost Information (in addition to the Cost Estimate)

Cost estimate notes (optional, if additional information is needed)

The ROW phase will involve working with Spokane County to have the east half of the Havana Street right-of-way turned over to the City of Spokane. Additional ROW acquisition will likely be required near the Sprague intersection.

Describe the commitment of secured matching funds or other funds and the status of obtaining any unsecured funds.

Note: matching funds must be available at the time of fund obligation.

The City intends to utilize programmatic match as the local match coming from STBG on this project. Additional match as needed will come from the City’s Arterial Street Fund. Additionally, \$2.65M in utility funding has been earmarked for ineligible project costs of water and sewer improvements.

Please indicate if there are any circumstances that could delay the obligation of funds.

Project delivery will follow the schedule determined upon award. Unforeseen need to adjust project delivery timeframes could arise if key a development is undertaken adjacent to the project corridor.

1. ECONOMIC VITALITY – 50 POINTS

Employment and Destination Accessibility

1a (15). To be scored internally by SRTC staff with the maps referenced in the table below

Project Score	Category	Criteria and Requirements
15	Provides a critical connection within or between two or more core areas. (see employment core map)	Maximizing or increasing system capacity. Increasing the efficiency of one or more modes. Reducing congestion.
10	Serves a regionally significant employment center (see employment density map)	Improving or enhancing the movement of workers. Providing new access to jobs. Improving or enhancing the movement of freight and services.

5	Serves a regionally significant transportation center (e.g. - park and rides, transit centers, etc.)	Improving access to terminals (air, transit, or multimodal)
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1b (5). Please describe if the project serves other critical regional public facilities with significant activity (e.g. - Riverside State Park, Joe Albi Stadium, Avista Stadium/Fairgrounds, etc.) (High-Medium-Low)

This project serves Avista Stadium and the Spokane County Fairgrounds.

1c (5). Please describe if the project serves an area that is targeted for planned future growth or revitalization. (include local planning documentation as well as targeted investment details, if applicable) (High-Medium-Low)

n/a

1d (5). Does the project have another connection to economic vitality that is not captured by, or in addition to, access to activity centers (Questions 1a,1b,1c) or freight use (Question 1f)? Please explain. (High-Medium-Low)

Havana St. provides access to the surrounding industrial development area as well as industrial areas to the north of the project limits and is a vital transportation corridor for commerce and freight mobility.

Existing Development (Internal Use Only)

1e (10). Is the project located within an area of significant existing employment density?

To be scored internally by SRTC staff with 2015 ESD information

High – 10 points

Medium – 5 points

Low – 1 points

Freight Network (Internal Use Only)

1f (10). Is this project located on a FGTS classified T1, T2, T3 route, or on WSDOT's Truck Freight Economic Corridor?

To be scored internally by SRTC staff using the FGTS and WSDOT Truck Freight Economic Corridor Maps

T1 - 10 points

T2 – 6 points

T3 – 4 points

Otherwise included in WSDOT's TFEC - 2 points

2. COOPERATION AND LEADERSHIP – 50 POINTS

Local Planning Alignment

2a (15). How is this project consistent with your Comprehensive Plan and is it included in your Capital Improvement Program? (please provide the excerpt or citation)

The project is listed in Table TR 5 – Integrated Street Rebuilds in Chapter 4 of the City's Comprehensive Plan. The project is also included in the draft of the 2019-2024 CIP.

Agency Coordination

2b (20). Does the project concept advance the goals of more than one jurisdiction and/or agency (including public/private partnerships)? If so, please describe:

The project includes installation of a new HPTN bus stop for STA Route 90.

Public Involvement

2c (15). Please describe the extent to which the project has been reviewed by the public. **3 points/checkbox (15 point max)**

- Public meetings
- Workshops/Open houses
- Planning study
- Environmental review
- Legislative actions
- Other (please explain) The Draft CIP to be approved by City Council in June, 2018.

3. STEWARDSHIP – 50 POINTS

Environmental Mitigations

3a (10). Does the project improve the environment or minimize the environmental impact of the facility above and beyond current design standards? **2 points/checkbox (10 point max)**

- Green infrastructure (e.g. rain gardens, swales)
- Drought tolerant vegetation
- Air quality benefit
- Decrease in impervious area
- Use of recycled materials
- Flood damage mitigation
- Stream or wetland restoration
- LED lighting
- Other (please explain)

Ability to Advance

3b (15). Status of the project (check all that apply):

- Environmental documentation (NEPA) is complete – 5 points
- Right-of-way acquisition is complete or not needed – 5 points
- Design is 30% or more complete – 5 points

Funding

3c (10). Has the project received partial federal funding through SRTC in the past?

- Yes No

3d (15). Does this project have additional local/state match funds above the required 13.5%? If so, please describe:
Programmatic match of 33.5%

- 10% over required local/state match – 10 points
- 20% over required local/state match – 15 points

4. SYSTEMS OPERATIONS, MAINTENANCE AND PRESERVATION – 50 POINTS

Regional Priority Networks

4a (5). How does this project support the NHS system?

Please describe:

The project will improve the safety and operation of the signal at Sprague/Havana. Sprague Avenue is a Principal Arterial and on the NHS.

4b (5). Does the project improve bicycle facilities that are on or directly connect to the regional priority bicycle network?

Yes No

If yes, please describe:

4c (5). Does the project improve transit access and/or amenities on the High Performance Transit Network?

Yes No

If yes, please describe:

The 90-Sprague Avenue HPTN route runs through the south end of this project. The bus stops at the SW and NE corners of the intersection. There is no accessible route between these bus stops and the County Fairgrounds to the north. This project will add sidewalk to the railroad crossings and fill in the other gaps along Havana Street. This project will also install a new, HPTN transit stop on Sprague Ave.

4d (10). Does the project improve pavement condition on the NHS or improve a bridge on the NHS that is in poor condition? (Additional pavement and bridge condition information will be asked in the STBG supplemental application).

Yes No

Congestion

4e (15). Does the project address congestion in any of the following areas?

- Tier 1 CMP Corridor – 15 points
- Tier 2 CMP Corridor – 10 points
- Other Roadway Bottleneck (as defined in the [CMP report](#)) – 5 points

Please describe current congested conditions and the future projected levels of congestion after project implementation. Explain the methodology used.

4f (10). If indicated in the question above, does this CMP project utilize the following CMP strategies?

- Travel Demand Management – 10 points
- Operational Improvements – 6 points
- Capacity Improvement Strategies – 3 points

5. SAFETY AND SECURITY – 50 POINTS

Addresses Existing Safety Concern

5a (25 point max). Enter crash history based on previous 5 years of available crash data* (2012-2016):

Date	Crash Type	Applicable Countermeasure implemented by project
2/9/2012	3480133 - PDO	Railroad crossing improvements, gates
2/9/2012	3480133 - PDO	Railroad crossing improvements, gates
11/6/2014	E371912 - PDO	Provide NB-SB left turn pockets and PPLT phasing
9/8/2014	E354938 - PDO	Provide SB left turn pocket, improved curb lines
8/3/2012	E184389 - PDO	Modify striping on approach to signal – single lane SB
12/19/2015	E495814 - Injury	Improved north-south signal visibility to correct red light running
7/17/2015	E444067 - PDO	Provide NB-SB left turn pockets and PPLT phasing
2/9/2014	E305956 – Injury	Improved illumination to mitigate night-time pedestrian crossing collisions
10/17/2015	E472224 – Injury	Improved illumination to mitigate night-time pedestrian crossing collisions
12/16/2013	E293930 - Injury	Improved illumination to mitigate night-time pedestrian crossing collisions

*to add additional rows, press tab key

Crashes with fatalities	10 points/each
Crashes with injuries	5 points/each
Property damage only incidences	1 points/each

5b (25). Please describe the components of the project that benefit safety, regardless of crash history? (High-Medium-Low)
 This project will add sidewalk along sections of Havana Street that currently have none. The railroad crossing has no gates and no pedestrian crossing. Both will be added with the project. The intersection of Sprague/Havana will be updated to provide left-turn pockets in the north and south direction, which should reduce the crash rate for those movements.

6. QUALITY OF LIFE AND MOBILITY – 50 POINTS

6a (5). Do you have an adopted Complete Streets Policy? Yes No

If yes, how does this project comply with your Complete Streets Policy? (5)

The project complies with the City's Complete Streets policy by improving and providing pedestrian facilities where they don't currently exist. The project also improves access to transit by improving pedestrian facilities.

If no, how does this project comply with SRTC's Safe & Complete Streets Policy? (3)

Bicycle and Pedestrian Improvements

6b (10). Will the project enhance pedestrian transportation/mobility? (Check all that apply – 10 point max)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Add new sidewalks (6) | <input type="checkbox"/> Median Refuge (3) |
| <input checked="" type="checkbox"/> Both sides of street (1) | <input type="checkbox"/> Marked Crosswalk (3) |
| <input checked="" type="checkbox"/> Minimum 5-foot width (1) | <input type="checkbox"/> Crossing Enhancement (e.g. HAWK beacon, Countdown signal) (3) |
| <input checked="" type="checkbox"/> Completes gap (1) | <input type="checkbox"/> Education (2) |

- Ext. of sidewalk network (1)
- Vegetated / protected buffer (1)
- Upgrade to existing sidewalk (6)
 - Greater width (1)
 - Add vegetated / protected buffer (1)
 - Removes barriers (1)
 - Repairs heaves (1)
- Separated shared use path
 - 10-foot min. width, not including shoulders (8)
 - 12-foot or greater in width, not including shoulders (9)
- Widen roadway shoulders in rural context (6-foot min. width)(5)
- Other (please explain) (2)
- Wayfinding (2)
- Enforcement (2)
- Data Collection (2)
- ADA enhancements (e.g. curb ramp upgrades) (2)

6c (10). Will the project enhance bicycle transportation? (Check all that apply – **10 point max**)

- Add new striped bike lanes (6)
 - Minimum 5-foot width (2)
 - Completes gap (2)
 - Ext. of bike lane network (2)
- Upgrade to existing striped bike lanes (6)
 - Greater width (1)
 - Add protected buffer (2)
 - Surface repair (1)
- Separated shared use path
 - 10-foot min. width, not including shoulders (8)
 - 12-foot or greater in width, not including shoulders (9)
- Widen roadway shoulders in rural context (6-foot min. width) (5)
- Bike Boulevard/Neighborhood Greenway (4)
- Crossing/Intersection Enhancement (HAWK beacon, Signal detection/actuation, Bike box, etc.) (3)
- Other (please explain) (2) New pavement surface will improve ride quality for bikes.
- Bike Parking (2)
- Bike Lockers (2)
- Pavement Markings (2)
- Education (2)
- Wayfinding (2)
- Enforcement (2)
- Data Collection (2)

6d (5). The project is located within an area of significant existing population.

Scored internally by SRTC staff by population density based on US Census blocks:

- High – 5 points
- Medium – 3 points
- Low – 1 point

Transit Access

6e (10). Will the project enhance public transportation and/or amenities? (Check all that apply and note if you have multiples of any of the transit elements – **10 point max**)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Bus stop shelter/screening (3) | <input type="checkbox"/> Enhanced pedestrian crossing near bus stop (3) |
| <input checked="" type="checkbox"/> Bus stop lighting/infrastructure (2) | <input checked="" type="checkbox"/> Improved rider access/connectivity to transit (3) |
| <input checked="" type="checkbox"/> Bench (2) | <input type="checkbox"/> New transit vehicles (4 per vehicle) |
| <input checked="" type="checkbox"/> Concrete pad/foundation for bus stop or bench (2) | <input type="checkbox"/> School bus operational improvement (2) |
| <input type="checkbox"/> Real time information sign (2) | <input type="checkbox"/> Education (2) |
| <input type="checkbox"/> Signal priority for transit vehicles (2) | |
| <input type="checkbox"/> Bus bay/pull-out (2) | |
| <input type="checkbox"/> Boarding bulb stop (2) | |
| <input type="checkbox"/> Park & Ride (4) | |
| <input type="checkbox"/> Improved transit service (e.g. higher frequency, longer operating hours, greater capacity, new route) (5) | |
| <input type="checkbox"/> Other (please explain) (2) | |

Transportation Choices

6f (5). How does the project support health-promoting transportation options for people of all abilities and ages (walking, biking, transit, safe routes to school, etc.)? If so, please describe.

The addition of significant sidewalk infrastructure encourages walking and the use of and access to transit. The Sprague HPTN bus stop improvements will provide an improvement environment and experience for transit riders.

6g (5). Does the project include design elements that contribute to quality place making? If so, please check all that apply. **(5 point max)**

- | | |
|---|---|
| <input type="checkbox"/> Pedestrian lighting (1) | <input type="checkbox"/> Unusual or unique surfaces (pavers or stamped) (2) |
| <input type="checkbox"/> Traffic calming measures (2) | <input type="checkbox"/> Raised or uniquely treated crosswalks (2) |
| <input checked="" type="checkbox"/> Landscaping, pots/planters, tree grates (1) | <input checked="" type="checkbox"/> Garbage/recycling receptacles (1) |
| <input type="checkbox"/> Other design elements, please describe (1) | <input type="checkbox"/> Bollards (1) |

Landscaping will be provided in the drainage swale and buffer strip between the separated sidewalk and the roadway. Garbage receptacles will be provided at the Sprague HPTN bus stop.

STBG Capital Maintenance Supplement 2018 SRTC Call for Projects



PROJECT TITLE: HAVANA STREET - PACIFIC TO BROADWAY

CAPITAL MAINTENANCE – 100 POINTS

Preservation Reconstruction

Pavement Condition

What is the structural condition of the existing facility? Please provide the Overall Condition Index (OCI) rating. Note: OCI will be reviewed by a team of representatives from Spokane, Spokane Valley, Spokane County, and WSDOT prior to project scoring.

OCI 31

Year 2017

Preservation

<input type="checkbox"/> OCI: 41-55	65
<input type="checkbox"/> OCI: 56-65	35
<input type="checkbox"/> OCI: 66-85	100

Reconstruction

<input type="checkbox"/> OCI: 0-30	100
<input checked="" type="checkbox"/> OCI: 31-40	65
<input type="checkbox"/> OCI: 41-55	35

Please explain.

The PCI ranges from 25 to 41 for this section of roadway with an average of 31. It is expected that by the time funding is available for construction the average OCI will be below 30.

Project Name: Havana St. - Sprague Ave. to Broadway Ave.		\$6,485,523		Proj ID:	
Description: Full depth street reconstruction					
Work Description	Qty	Unit	Unit Cost	Ineligible (Utility)	Eligible Street
GENERAL					
Mobilization	1	LS	\$238,645		\$238,645
Traffic Control	1	LS	\$178,984		\$178,984
Trench Safety	1	LS	\$2,000		\$2,000
Survey Monuments - Reference/Reestablish, Classification/Pi	1	LS	\$5,000		\$5,000
SPCC Plan	1	EA	\$1,500		\$1,500
Public Liason	1	LS	\$15,000		\$15,000
Remove Existing Street Lights	2	EA	\$3,000		\$6,000
			subtotal:		\$447,128
EXCAVATION					
Clearing & Grubbing	1	LS	\$10,000		\$10,000
Remove Trees (class I,II,III,IV)	10	EA	\$800		\$8,000
Sawcutting Rigid and Flexible Pavement	1,000	LFI	\$2		\$2,000
Removal Exist Curb and Gutter	1,300	LF	\$10		\$13,000
Roadway Excavation Including Haul	7,100	CY	\$30		\$213,000
			subtotal:		\$246,000
STREET					
Prep Untreated Roadway	14,310	SY	\$2		\$28,620
Crushed Surfacing Base Course - 10 INCH THICK	3,975	CY	\$42		\$166,950
HMA CL 1/2 IN. PG 70-28, 8 INCH THICK	14,310	SY	\$43		\$615,330
SOIL RESIDUAL HERBICIDE	14,310	SY	\$2.00		\$28,620
Cem Conc Curb and/or Gutter	1,300	LF	\$25		\$32,500
Swale Drain Pad	12	EA	\$60		\$720
Signs & Markings	1	LS	\$75,000		\$75,000
Street Light (Intersection Lighting N. of Sprague to Broadway)	6	EA	\$10,000		\$60,000
Street Light (Sprague to Pacific Ave.)	6	EA	\$10,000		\$60,000
Traffic Signal Modifications (Sprague/Havana)	1	LS	\$200,000		\$200,000
Sprague HPTN Bus Stop Improvements (shelter, amenities)	1	LS	\$15,000		\$15,000
			subtotal:		\$1,282,740
SIDEWALK & DRIVEWAY					
Removal Cem Conc Sidewalk/Driveway	1,803	SY	\$15		\$27,042
Cem Conc Sidewalk	2,267	SY	\$50		\$113,333
Crushed Top Course for SW, & DW including Ex	189	CY	\$70		\$13,222
Truncated Domes	88	SF	\$25		\$2,200
			subtotal:		\$190,019
STORMWATER					
Drywell Type 1	20	EA	\$3,000		\$60,000
Catch basin Type 1 (new inlets for soil cells, relocates)	10	EA	\$2,500		\$25,000
Curb Inlets	30	EA	\$500		\$15,000
Connection to Existing Storm Structure	5	EA	\$500		\$2,500
			subtotal:		\$102,500
WATER					
DI Pipe For Water Main 48 In. Diam. (Sprague to Broadway)	2,700	LF	\$300	\$810,000	
Service Laterals.	10	EA	\$2,000	\$20,000	
Water Valve - Butterfly	3	EA	\$12,000	\$36,000	
Water Meter	10	EA	\$1,500	\$15,000	
Hydrants	6	EA	\$5,000	\$30,000	
			subtotal:	\$911,000	
LANDSCAPE					
Tree Protection, Air Hydro, Pruning	1	LS	\$8,000		\$8,000
Construct Bio-infiltration Swale	3,400	SY	\$10		\$34,000
Topsoil, 12" thk for swales	3,400	SY	\$20		\$68,000
Install Sod	3,400	SY	\$12		\$40,800
Irrigation System - new and modify.	1	LS	\$90,000		\$90,000
Install Street Trees	20	EA	\$500		\$10,000
			subtotal:		\$250,800
EXTRA					
RR Crossing Gates, Warning Devices, Concrete Panels	1	LS	\$850,000		\$850,000
			subtotal:		\$850,000
			Construction Subtotal	Utility	Street
				\$911,000	\$3,369,188
Scope Contingency	25.0%			\$227,750	\$842,297
			Construction Subtotal	\$1,138,750	\$4,211,485
Construction Contingency	10.0%			\$113,875	\$421,148
Construction Total			Construction Total	\$1,252,625	\$4,632,633
Right-of-Way (County Transfer to City; Acquisitions near Sprague)				\$0	\$75,000
Geotech	1.0%			\$11,388	\$42,115
Surveying	1.0%			\$11,388	\$42,115
Design & Bid Docs	10.0%			\$113,875	\$421,148
Admin, Legal, & Permits	1.0%			\$11,388	\$42,115
Construction Mgmt	15.0%			\$187,894	\$694,895
			Project Total	\$1,588,556	\$5,950,021
Unit costs from year...		for construction in...			
	2018		2021		
Preconstruction	547		\$596,767		
Property Purchase	75		\$81,750		
Construction Total	4,633		\$5,049,570		
Const mgmt	695		\$757,436		
	5,950		\$6,485,523		Project Cost

Funding partners breakout

Total Eligible Street Cost	\$6,485,523
STBG	\$4,312,873
23.5% Programmatic Match	\$1,524,098
10% Local Match	\$648,552

Havana Street, Pacific Ave to Broadway Ave

Printed by: srmckee
Print date: 5/9/2018

Legend

 Project Limits

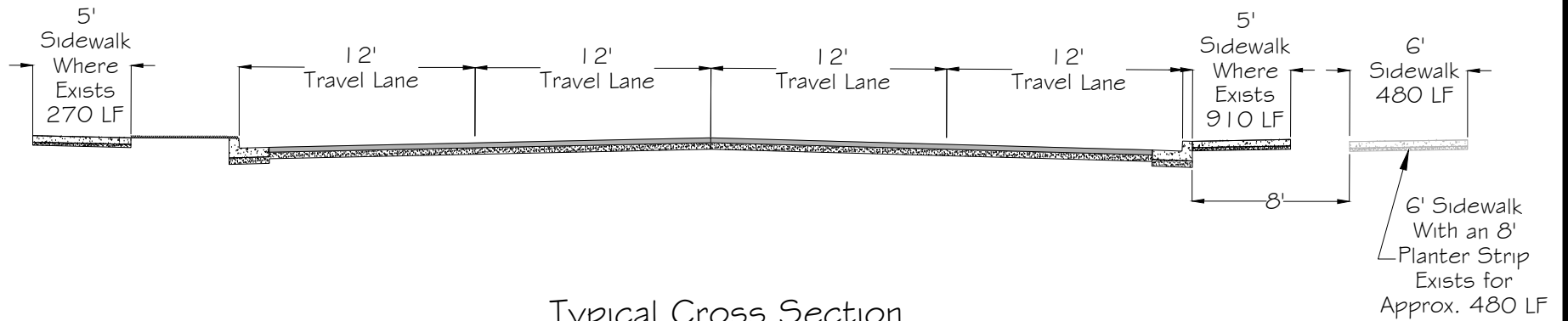
Vicinity Map



*THIS IS NOT A LEGAL DOCUMENT.
The information shown on this map is compiled
from various sources and is subject to constant
revision. Information shown on this map should
not be used to determine the location of facilities
in relationship to property lines, section lines,
streets, etc.*



RIGHT OF WAY 80'



Typical Cross Section
Havana St from Sprague Ave to
Broadway Ave (Facing North)

2018 SRTC Call for Projects



Local Agency Project Endorsement

PROJECT TITLE: Havana Street - Pacific Ave to Broadway Ave

The attached project application reflects established local funding priorities consistent with the adopted local plans and/or programs.

The project described is financially feasible; local match revenue identified on the project application is available and will be committed to the project if it receives the requested grant.

Costs identified in the application represent accurate planning level estimates needed to accomplish the work described herein. As stated in policy 6.1 of the 2018 TIP Guidebook, any cost overruns are the responsibility of the project sponsor.

The project sponsor must certify that they will utilize all project delivery tools available, including eminent domain, to acquire ROW, if necessary, to meet project obligation schedules.

The use of federal funds for this project entails administrative and project compliance for which the project sponsor will be responsible.

This project has the full endorsement of the governing body/leadership of this agency or organization. This document must be signed by a person in a position or a representative of a governing body that has the authority to make decisions for the entire organization. It is up to the applicant to determine the appropriate representative to sign this endorsement.

Scott Simmons - Public Works Director
Name and Title of Designated Representative



Signature of Designated Representative

5-11-2018
Date