

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

TCC TECHNICAL APPLICATION
2014
PIERCE COUNTY REGIONAL COUNCIL
REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
APPLICATION FORM TO REQUEST INCLUSION OF A PROJECT IN THE FFY 2015-2017 TIP

Supplementary information can be found in the appendices of the application packet. Incomplete or missing answers will be scored zero. Please respond to all unrelated questions with N/A.

APPLICANT INFORMATION

1. Please select an application type:

- Other
(Please answer Questions 1-23 and 55-63)
Potential score of 100
- Non-Motorized
(Please answer Questions 1-23 and 49-54)
Potential score of 100
- Preservation
(Please answer Questions 1-23 and 38-48)
Potential score of 100
- Rural
(Please answer Questions 1-23 and 73-81)
Potential score of 100
- Transit
(Please answer Questions 1-23 and 64-72)
Potential score of 100
- Roadway application type not listed above
(Please answer Questions 1-23 and 24-37)
Potential score of 100

1a. Agency Contact Person

Name: Steve Carstens, P.E.

Address: 333 S. Meridian, Puyallup, WA 98371

Title: Stormwater Engineer

Telephone: 253-841-5597

Email: scarstens@ci.puyallup.wa.us

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

2. **Improvement Type:** Please select ONE primary Improvement Type. Please indicate one Primary Improvement (PI) and any number of Secondary Improvements (SI).

ROADWAY			
	New Facility – Roadway		Bridge Replacement
	Relocation – Roadway	SI	Multiple Intersections – Roadway
	Environmental Improvement – Roadway		Single Intersection – Roadway
PI	Major Widening – General Purpose	SI	Safety – Roadway
	Major Widening – HOV		Grade Separation
	Minor Widening – No new capacity		Major Interchange – GP
	Minor Widening – New capacity		Major Interchange – HOV
	Preservation/Maintenance/Reconstruction		Minor Interchange – GP
	Resurfacing		Minor Interchange – HOV
	New Bridge or Bridge Widening		Other – Roadway
	Bridge Rehabilitation		
NONMOTORIZED			
SI	Sidewalk	SI	Bike Lanes
	Regional Trail (Separate Facility)		Other – Nonmotorized
	Non-Regional Trail (Separate Facility)		
OTHER			
	Transportation System Management		Transportation Demand Management
	Intelligent Transportation System		Other – Special
	Study or Planning activity		
TRANSIT			
	New/Relocated Transit Alignment		New ferry route
	Transit Center or Station – new or expansion		Service Expansion – Ferry
	Flyer Stop		New/Relocated/Expanded terminal
	Transit Center or Station – Maintenance		Terminal Preservation
	Park and Ride (new facility or expansion)		New/Replacement Vessels – Passenger Only
	Vehicle Expansion		New/Replacement Vessels – Car/Pass
	Vehicle Replacement		Vessel Preservation/Rehabilitation
	Operations – Transit		Operations – Ferry
	Service Expansion – Transit		Other – Ferry
	Other – Transit		

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

PROJECT LOCATION INFORMATION

(Roadway projects without a federal route number or a federal functional class may be ineligible for federal funds.)

3. **Project Location:** Shaw Road E.

From: 12th Ave SE To: 23rd Ave SE

Or, other appropriate locating information: _____ NA _____

Project Length: _____ Approx. 4500 (feet)

4. **Federal Route Number** 3217

5. **Federal Functional Class:** Minor Arterial
see link www.wsdot.wa.gov/Mapsdata/tools/functionalclass

5a. **Posted Speed Limit:** 35

5b. **Average Daily Traffic Volume:** 19600

PROJECT DESCRIPTION

6. **Funding Request: What is the proposed funding source?** STP X CMAQ _____

7. **Is this project included in a locally adopted plan or program?**
(This is a threshold requirement to compete in this funding process. Projects not shown in the applicants adopted local TIP or Transportation Element of its Comprehensive Plan are not eligible. Please provide a copy of the necessary documentation).

Yes X No _____

If yes, cite document, page(s) and adoption date: The project is part of the City's TIP (Transportation Improvement Plan). It is located on page 1, project 12. The project is also listed in the City's Comprehensive Plan. It can be found in the Transportation Element, section VI, page VI-22.

8. **Brief Project Description - Include a 8 1/2 x 11 detailed vicinity map and a cross-section detail of the project, if applicable (100 words maximum):**

The existing Shaw Road consists of two, 11 foot wide thru lanes. There are no other amenities for this road that carries 19,600 ADT.
The proposed Shaw Road, 12th Ave SE to 3rd Ave SE project will replace the existing two lane roadway with a 5 lane roadway with dedicated bike tracks and sidewalks. The new cross section will consist of four, 11 foot thru lanes, a two way left turn lane (TWLTL), a single, dedicated, two way, 11 foot wide, curbed bike track, and 8 foot wide sidewalks on each side.

Confirm word count (92 words).

9. **Purpose and Need – Please provide a clear and concise narrative describing the project's existing and proposed conditions. If available, provide pictures, technical data and/or other supporting studies or analysis (400 words maximum):**

Widening of Shaw from two lanes to five lanes will include porous pavement, porous sidewalks, and bicycle lanes; concrete curbs, pedestrian crossing flashing beacons, utility relocation, landscaping, and street lighting. This project is critical as the Shaw Road Extension between E Main and E Pioneer has been completed resulting in increased congestion of the Shaw Road Corridor. Internal, City funds would be utilized to match grant funds for the design and right-of-way.

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

The project would replace the existing two-lane asphalt roadway section with a pervious concrete roadway consisting of two through lanes and a two way left turn lane (TWLTL), sidewalks on both sides, and a bicycle track. The bike track will be separated from the travel lane with a curb buffer, where feasible.

Planned pedestrian improvements include marked crosswalks with pedestrian activated rapid flashing beacons at intersections. All curb ramps will meet or exceed current ADA standards. Streetlights with LED fixtures will be installed along the corridor. The project will include fiber interconnect and other ITS improvements. Utility poles will be undergrounded and fires hydrants will be relocated outside of the clear zone.

The TWLTL significantly improves roadway capacity. Without the turn lane, minor street traffic currently experiences severe delays during peak periods to make both left and right turn movements. In the last three years, there have been 157 reported collisions, involving 303 vehicles within the Shaw Road corridor from 12th to 23rd. These accidents resulted in 79 reported injuries.

This corridor which connects with several east-west corridors: East Main, Pioneer, 23rd Ave SE, and 39th Ave SE. It is anticipated the Shaw Road 23rd to 39th project will be completed prior to this one, leaving a bottleneck/incomplete corridor at the project site. Current ADT within the project area is 19,600 with a PM peak hour volume of 1,780. At a planning level analysis, this results in a Volume to Capacity ratio (v/c) of 1.19. This v/c is anticipated to increase to 1.67 by 2030, which is a seriously overloaded road. The project as proposed will provide a v/c ratio of 0.60 by the year 2030 assuming a higher than projected growth rate of 2%. Indicators of growth from the Puyallup School District show that greater Puyallup is expecting a higher level of growth than other areas of Pierce County which justifies the higher level of growth estimate (PSRC estimates 1%).

Confirm Word count (392 words)

PROJECT TRACKING AND FUNDING

NOTE: Sponsors may request funding for any single phase of the project, but requests for multiple phases is limited to preliminary engineering plus the subsequent phase necessary. For instance, requests for multiple phases are limited to the combination of (1) preliminary engineering and right-of-way or (2) preliminary engineering and construction (no right-of-way and construction requests will be considered).

Required Match: A minimum of 13.5% of local matching funds is required for PSRC's FHWA funding. The following formula may be used to calculate the projects match:

To calculate the amount of matching funds, divide the federal funds requested by .856 and subtract the federal funds from this amount.

Example: Federal funds requested = \$100,000

$$\$100,000 / .865 = \$115,607$$

$$\$115,607 - \$100,000 = \$15,607 \text{ local match required}$$

Please note: The combination of the requested PSRC funds plus all other funding must be adequate to fully fund that phase. Requests that do not result in a phase being fully funded cannot be approved into the regional TIP and therefore will be considered ineligible for PSRC funding.

10. Grant Funds Requested

Phase (e.g., Planning Study/Project,, Preliminary Engineering, Right of Way, Construction, Other)	Estimated Obligation Date (year only)	Federal Funds Requested
Preliminary Engineering	2016	\$3,566,586
Right-of-way	2017	\$2,725,615

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

		\$
		\$
		\$
		\$6,292,201

IMPORTANT: Please select 2015, 2016 or 2017 for estimated obligation year. Per PSRC’s adopted project tracking policies, the deadline for obligating funds is June 1 of the selected obligation year. For more information, see:
<http://www.psrc.org/transportation/tip/tracking>

11. Total Project Cost (\$7,274,221)

Guidance: To be programmed into the state Transportation Improvement Program, funds for the phase being requested must be secure or reasonably expected to be secure. Unsecured funds will not be considered. Please use the website following link to assist in completing the following table:

www.psrc.org/assets/7911/Definitions_SecuredandUnsecuredFunding.pdf

A	B	C	D	Project Phase			
				E	F	G	H
Fund Source	Secured, reasonably Expected, or Unsecured?	Obligation Date (Yr Only)	\$ Amount by Funding Source	Planning	Prelim. Eng/ Design	Right-of-Way	Construction / Implementation
Local	secured	2016	982,020		556,635	425,385	
(name) Co-op Jurisdiction							
(name) Private Funds							
(source) Grant							
Other							
Other							
Other							
Grant Request	Unsecured		6,292,201		3,566,586	2,725,615	
TOTAL			7,274,221		4,123,221	3,151,000	

If unable to completely fill out Tables #10-12, please explain why: _____

11a. Provide additional information on any funds identified in the table above as reasonably expected to be secure. For example, identify the estimated approval date of funds for the project into the 6-year program; if pursuing a limited improvement district, bonding, or other local funding mechanism, when will that occur and what additional steps are required, etc. For more information on the definition of secured, reasonably expected, and unsecured funds, refer to:
<http://www.psrc.org/assets/11214/FinancialConstraintGuidance.pdf>

NA

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

Funding Source:
Funding Amount(s): _____

Name and completion date of Planning Study: _____

COMMITTEE SCORE _____
 (Max. score of 7)

14. **Federal Functional Classification:** Principal **Minor** Collector

Principal _____ 3 points
 Minor X _____ 2 points
 Collector _____ 1 point

COMMITTEE SCORE _____
 (Max. score of 3)

15. **Will this project include additional ADA improvements that are not required by the 2013 City/County Design Standards (LAG Manual)? Example: Construction of a sidewalk that is wider than the minimum requirements.**

Yes X _____ 2 points
 No _____ 0 points

If yes, what are they? _____

The project will provide 8 foot wide sidewalks, greater than required by the LAG manual and exceeds ADA compliance. The project will also require a two way, 11 foot wide, dedicated bike lane. There is no provision for this in the LAG manual.

COMMITTEE SCORE _____
 (Max. score of 2)

16. **Local Agency Over Match Incentive:**

More than 30% of total project costs _____ 3 point
 21% to 30% of total project costs _____ 2 point
 15% to 20% of total project costs _____ 1 point

COMMITTEE SCORE _____
 (Max. score of 3)

17. **Is the project or phase ready for implementation? (One point per box. Please check all that apply)**

Obligate funds in 2015 (receives 2 points)		Environmental process complete* (must provide a signed ECS by FHWA or WSDOT H&LP)	
Obligates funds in 2016 (receives 1 point)	X	Funding requested here completes project or fully implements the project	X
ROW plans approved by WSDOT		Purchase of ROW certified or not required	

*

*Note: NEPA will NOT be finalized until the "next" project phase is funded in the STIP.

COMMITTEE SCORE _____
 (Max. score of 6)

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

Please provide information on your project readiness to proceed:

Design Status (% complete): Choose an item.

Project Phase	Status	Actual or Expected Completion Date
Preliminary Engineering	N/A	6/1/2016
Environmental Approval	N/A	6/2/2016
Right-of-Way Certification	N/A	6/2/2017

If construction funds are being requested, please describe any ROW needs for the project, including the number of parcels needed, whether property owners are expected to cooperate (and your agency's experience with condemnation and/or whether it is willing to go to condemnation if needed).

The project will require extensive right-of-way along both sides of the corridor. There are approximately 36 parcels that need to have r/w purchased from there. There has been no indication as to whether they would be cooperative at this stage. The public in the area are very positive about the project moving forward – they realize the need for it. The City believes this would make the adjacent parcel owners positive to work with the City to obtain r/w for the project.

The City is experienced with condemnation. It would take action by the City Council to approve any condemnation. The Council has approved the funding obligation and is aware of what it will take to obtain parcels for the project.

17a. Will other **secured or reasonably secured** funding benefits be missed if the project remains unfunded in 2015, 2016 or 2017?

Yes No (Include information about other funding benefits.)

Please explain:

If the City does not receive funding, the money dedicated to fund its portion of the costs will be re-directed to other projects that need the funding.

COMMITTEE SCORE _____
(Max. score of 1)

18. **Pierce County Regional Growth Centers Hierarchy and Connecting Corridors criteria: Is the project located in (1-3) or serving (4-6) any of the following? (Please check all that apply).**

1. Metropolitan Center (scores 1 point)		4. Corridor Supporting one (1) or more Regional Manufacturing/Industrial or Candidate Center (scores 2 point)	x
2. Regional or Candidate Growth Center Manufacturing/Industrial or Candidate Center (scores 2 points)	x	5. Corridor Supporting one (1) or more Centers (scores 1 point)	x
3. Countywide Center or Locally Identified Center (see approved PCRC Map) (scores 1 point)	x	6. Corridor Supporting two (2) or more Centers (scores 1 point)	x

Local city and town centers provide local job, service, cultural, and housing areas for their communities. They serve as focal points where people come together for a variety of activities,

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

including shopping and recreation. These central places must be identified in local comprehensive plans, or should be advancing towards that goal. These areas are to become priority areas for future investments and growth at the local level.

List and describe centers and attach map.

The Shaw road improvement will support the following centers/areas as shown on the 2014 Local Centers Map received as part of the application project:

1. South Hill regional growth center
2. Puyallup Downtown regional Growth center
3. Sumner Town Center
4. Sumner/Pacific MIC (candidate only at this time).

The project directly supports the Sumner Town Center and the Sumner Pacific MIC. The route allows users to directly access E. Main which leads directly into each. The project supports both South Hill and Puyallup downtown. It is only one of two local roads that allow users to gain access to these growth areas. Meridian/SR 161 is often backed up and has a high volume to capacity ratio. Users utilize, as shown by the ADT, this route to access these areas.

COMMITTEE SCORE _____
(Max. score of 8)

19. **Is the project on a transit route? (Transit routes that “intersect” are okay only when the project improves the intersection)**

Guidance: Sound Transit route information is available at <http://www.soundtransit.org/Schedules>
Pierce Transit route information is available at <http://www.piercetransit.org/pierce-transit-routes/>

Yes, full project length _____ 2 points
Yes, partial or intersection _____ 1 point
No X 0 points

If yes, provide route number(s) _____

COMMITTEE SCORE _____
(Max. score of 2)

20. **What is the peak number of transit vehicles per hour within the project limits? (Transit routes that “intersect” are okay only when the project improves the intersection)**

Guidance: Sound Transit route information is available at <http://www.soundtransit.org/Schedules>
Pierce Transit route information is available at <http://www.piercetransit.org/pierce-transit-routes/>

Peak number of transit vehicles per hour _____

4 or more transit vehicles _____ 2 points
1 to 3 transit vehicles _____ 1 point

COMMITTEE SCORE _____
(Max. score of 2)

21. **Does this project specifically improve non-motorized access for trips to any of the following (check all that apply). Provide a map showing all checked items.**

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

routes affected, as well as the specifics of the project – i.e., how will the individual project encourage or promote new transit riders. Projects providing new or more frequent/expanded transit service would be expected to result in a higher level of new transit riders than projects providing improvements in existing transit travel times or enhanced amenities to existing service. Projects resulting in improvements in traffic flow will be asked to provide information on the current travel conditions, amount of idling, number of trucks using the route, etc. As mentioned above, the magnitude of the project and the timing of the anticipated benefits will play a role in the final score, and all projects will be evaluated against each other.

Please explain:

The project will reduce emissions by affording pedestrians access to the corridor, there are no current facilities to carry pedestrians on this route. The route will also add a two-way dedicated and curbed bike lane. This feature will allow residents access to schools, shopping, transit, and commercial areas that have not been accessible before. Though not guaranteed, Pierce Transit will begin to look at adding a transit route to Shaw Road, once it's improved. The current configuration does not allow for transit access due to the narrow road width and lack of pedestrian facilities.

Additionally, the current roadway does not have capacity to carry more traffic. Once completed, the new configuration will allow traffic to come from other high use routes (Meridian) and thus shorten trips for commuters.

The project will reduce emission through better travel times through the corridor.

High: A project will rate high if:

- It will substantially reduce emissions of greenhouse gases and other air pollutants, or will substantially reduce fine particulates from diesel exhaust; and
- The air quality benefits will occur by 2020.

Medium: A project will rate medium if:

- It will moderately reduce emissions of greenhouse gases and other air pollutants, or will moderately reduce fine particulates from diesel exhaust (for example, a project that reduces VMT by shortening a vehicle trip, rather than eliminating a vehicle trip); and
- The air quality benefits will occur by 2025.

Low: A project will rate low if:

- It results in a low amount of emissions reductions; and
- The air quality benefits will occur after 2025.

High = ___x___ 5 points
Medium = ___ 3 points
Low = ___ 2 points
0 = ___ 0 points

COMMITTEE SCORE _____
(Max. score of 5)

ROADWAY APPLICATION

24. Does the project include signal interconnection, pre-empt, or other ITS improvements?

Describe the existing conditions in the area (i.e., level of service, average daily traffic, etc.), and describe how the ITS improvement is expected to improve traffic flow (increase speed, reduce idling, remove accidents, etc.).

Please describe:

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

Signal improvements will be made at 23rd Ave SE as part of this project. The intersection at 12th and 23rd will be a full reconstruction as part of this project and they will include interconnected signal improvements.

Yes, Significant Improvement X 2 points
Yes, Minor Improvement 1 point
No 0 points

COMMITTEE SCORE
(Max. score of 2)

25. Are the environmental/water quality improvements greater than the minimum requirements? Please describe:

Yes, they will be. The City plans to use permeable pavements in the roadway, bike lane, and sidewalks. These LID improvements are not required and go beyond the minimum requirements of the stormwater manual. There will be other green infrastructure aside from pervious pavements. The City will install bioretention along the project. We anticipate the project to retain 100% of stormwater runoff. The current roadway retains almost zero runoff.

Projects that incorporate Green Stormwater Infrastructure (rain gardens, bioretention, porous pavements, etc.) AND retain 100% of stormwater on site. x 3 points

Projects that add more than 5,000 square feet of new impervious surface and provide water quality/quantity treatment for ALL (new and existing) impervious surfaces within the project area. 2 points

Projects that add less than 5,000 square feet of new impervious surface and that provide water quality and quantity treatment OR adds 5,000 square feet or more new impervious but add less than 50% total. 1 point

COMMITTEE SCORE
(Max. score of 3)

26. Does the project include horizontal or vertical roadway adequacy improvements? (Supporting documentation should include a map, design drawing, or narrative statement specifically addressing the horizontal/vertical improvements.) Please describe:

There is restrictive sight distance in the north leg (southbound) direction of the intersection at 23rd Ave SE. The restricted sight distance is the reason for the flashing signal ahead beacon, and the signal head mounted directly to the pole located at the NE corner.

(Narrative or supporting documents are required.)

COMMITTEE SCORE
(Max. score of 4)

27. Does this project add a new illumination system?

Yes, full project corridor length x 3 points
Yes, partial project corridor length 2 points
Yes, at an intersection only 1 point
No 0 points

COMMITTEE SCORE
(Max. score of 3)

**28. Does the project include a new traffic control device that satisfies 2 or more traffic warrants?
Does the project install a roundabout in lieu of the traffic signal?**

- Yes, a roundabout will be installed in lieu of a traffic signal _____ 3 points
- Yes, a traffic signal will be installed _____ 2 points
- Yes, other solution x _____ 1 point
- No, the intersection does not meet 2 warrants _____ 0 points

Please describe the other solution:

Pedestrian improvements include marked crosswalks with pedestrian activated push button activators.

COMMITTEE SCORE _____
(Max. score of 3)

29. Will this project improve the efficiency and accessibility of trucks to freight distribution facilities and/or other intermodal connections?

Please explain: _____

The Puyallup Industrial Park is located near the foot of Shaw Road at 13305 Pioneer Way East and just over one mile from the project. The industrial park contains an intermodal transload facility served by the Meeker Southern Railroad which interties with BNSF. Shaw Road is a T3 truck route and is located south of the Sumner/Pacific Candidate Mfg/Ind. Center and north of the South Hill Regional Center.

- Yes, this project is located within a Manufacturing Industrial Center (MIC), is located on a classified Truck Route (T1-T2) and is within 2 miles of a marine terminal, intermodal or transload facility _____ 3 points
- Yes, this project is located within a Center, is located on a classified Truck Route (T1 –T3) and is within 2 miles of a marine terminal, intermodal or transload facility _____ 2 points
- Yes, this project is located on a corridor connecting two centers (one must be a MIC) and is within 4 miles of a marine terminal, intermodal or transload facility ___X___ 1 point

COMMITTEE SCORE _____
(Max. score of 3)

30. Will this project correct a significant safety problem by implementing a seismic retrofit, guardrail, attenuator and barriers, or other devices?

Guidance: The explanation and supporting material will be scored within a range of 0 to 4 points.

Please explain the existing problem and provide supporting data (accidents, police reports, etc...):

NA

COMMITTEE SCORE _____
(Max. score of 4)

31. Does the project include a new bicycle lane or separated NM facility for the full length of the project?

- Yes, a separated NM facility X _____ 3 points

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

- Yes, striped lane 5 feet or greater _____ 2 points
- Yes, shared lane 3 feet or greater in width _____ 1 point
- No _____ 0 points

COMMITTEE SCORE _____
(Max. score of 3)

32. Does this project improve the transportation system by widening turn lanes or removing corridor conflicts?

Guidance: Modes of transport may include vehicular, rail, non-motorized...

Please explain:

The project will remove 3 conflicts. It will have a separated bike track, sidewalks, and vehicle lanes.

- Removes conflicts for three modes of transport _____ 2 points
- Removes conflicts for one mode of transport _____ 1 point
- Improves system without removing conflicts _____ 0 points

COMMITTEE SCORE _____
(Max. score of 2)

PICK AND SCORE ONE ONLY (33 or 33A)

33. Percent of heavy trucks (3 axles min) _____ %
Basis for determining truck percentage (a description is required to score points)

- Over 10% _____ 5 points
- 5 to 9% _____ 3 points
- 2 to 4% _____ 1 point

OR

33A. Truck Route Classification (see link <http://www.wsdot.wa.gov/Freight/FGTS/CountyMaps.htm>)

- T-1: more than 10 million tons per year _____ 5 points
 - T-2: 4 million to 10 million tons per year _____ 4 points
 - T-3: 300,000 to 4 million tons per year _____ 3 points
 - T-4: 100,000 to 300,000 tons per year _____ 2 points
 - T-5: at least 20,000 tons in 60 days _____ 1 point
 - Locally designated truck route _____ 1 point
- (Must be in Code or Comprehensive Plan and attached)

COMMITTEE SCORE _____
(Max. score of 5)

34. Does this project add a dedicated turn pocket or lane-drop at one or more intersections?

- Yes _____ 1 point
- No _____ 0 points

COMMITTEE SCORE _____

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

(Max. score of 1)

35. Does this project add a two-way, left-turn lane (TWLTL) or a center median between two or more intersections?

Yes, adds a continuous TWLTL or a continuous center median _____ 3 points
Yes, adds a non-continuous TWLTL or a non-continuous center median _____ 2 points
No _____ 0 points

COMMITTEE SCORE _____
(Max. score of 3)

36. Does this project add new HOV lanes or transit queue jump lanes (need to provide a letter of support for queue jump lanes from the transit agency)?

Yes, two or more lanes _____ 2 points
Yes, one lane _____ 1 point
No _____ 0 points

COMMITTEE SCORE _____
(Max. score of 2)

37. Does the project widen or construct the road to add general purpose lanes to increase capacity?

One or more _____ 2 points
None _____ 0 points

COMMITTEE SCORE _____
(Max. score of 2)

PRESERVATION APPLICATIONS

38. Confirm project meets either Improvement Code 06 or 07. Please write only one code. _____

<p>06 = Restoration & Rehabilitation Work required to return an existing pavement (including shoulders) to a condition of adequate structural support or to a condition adequate for placement of an additional stage of construction. There may be some upgrading of unsafe features or other incidental work in conjunction with restoration and rehabilitation. Typical improvements would include replacing spalled or malfunctioning joints; substantial pavement stabilization prior to resurfacing; grinding/grooving of rigid pavements; replacing deteriorated materials; reworking or strengthening bases or subbases, and adding underdrains.</p>	<p>07 = Resurfacing Placement of additional surface material over the existing roadway to improve serviceability or to provide additional strength. There may be some upgrading of unsafe features and other incidental work in conjunction with resurfacing. Where surfacing is constructed by separate project as a final stage of construction, the type of improvement should be the same as that preceding stage—new route, relocation, reconstruction, minor widening, etc.</p>
---	--

39. **Pavement Preservation Surface Area:** _____ / _____ (lane miles / SY)

40. **Distressed Pavement (SY / percentage of total roadway surface (matching question 12))**
_____ / _____ %
(If over 30%, then this project is not eligible)

Distressed Pavement Definition:

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

HMA Pavement: Normally repaired by dig-out (i.e., removal of structurally failed pavement and underlying base. Replacement with full-depth HMA or base material and HMA after compaction and verification of subgrade support. Typical distressed pavement includes: potholes; severe alligator cracking; and/or severe settlement.

PCC Pavement: Concrete panels with 3 or more cracks.

41. **Design and construction costs for mandated improvements (e.g. ADA upgrades and safety retrofits) (attach engineer's estimate).** _____

42. **Surface treatment proposed:** _____ (e.g., Chip Seal, HMA 2", HMA 3" or more, concrete panel replacement, dowel bar retrofit, concrete milling, concrete leveling)

Concrete or HMA treatment _____ 5 points

Chip Seal _____ 2 points

COMMITTEE SCORE _____
(Max. score of 5)

43. **Project Roadway Pavement Condition Index (PCI)** _____

Year of Project Roadway (PCI) (must be no older than 2010) _____

Basis of PCI (provide Pavement Management System print-out, rating sheet, or similar)

75 to 80 _____ 3 points

65 to 74 _____ 9 points

55 to 64 _____ 5 points

COMMITTEE SCORE _____
(Max. score of 9)

PICK AND SCORE ONE ONLY (44 or 44A)

44. **Percent of heavy trucks (3 axles min)** _____ %

Basis for determining truck percentage (a description is required to score points)

Over 10% _____ 7 points

5 to 9% _____ 5 points

2 to 4% _____ 3 points

OR

44A. **Truck Route Classification** (see link <http://www.wsdot.wa.gov/Freight/FGTS/CountyMaps.htm>)

T-1: more than 10 million tons per year _____ 7 points

T-2: 4 million to 10 million tons per year _____ 5 points

T-3: 300,000 to 4 million tons per year _____ 5 points

T-4: 100,000 to 300,000 tons per year _____ 3 points

T-5: at least 20,000 tons in 60 days _____ 2 points

Locally designated truck route _____ 2 points

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

(Must be in Code or Comprehensive Plan and attached)

COMMITTEE SCORE _____
(Max. score of 7)

45. Jurisdiction has a pavement management system.

Yes _____ 3 points

COMMITTEE SCORE _____
(Max. score of 3)

46. Jurisdiction Overall PCI for Federal Functionally Classified Roadways _____

Year of overall functionally classified PCI _____ (must have been completed in the last 4 years)

Overall PCI 70 or above _____ 7 points
65-69 _____ 6 points
60-64 _____ 4 points
51-59 _____ 2 points

COMMITTEE SCORE _____
(Max. score of 7)

46A. Overall PCI conducted for Federal functionality classified roadways within last 3 years.

Yes _____ 2 points

COMMITTEE SCORE _____
(Max. score of 2)

47. Federal Functional Classification: Principal Minor Collector

Principal _____ 4 points
Minor _____ 3 points
Collector _____ 2 points

COMMITTEE SCORE _____
(Max. score of 4)

48. Is the project on a transit route? (Transit routes that “intersect” are okay only when the project improves the intersection)

Guidance: Sound Transit route information is available at <http://www.soundtransit.org/Schedules>
Pierce Transit route information is available at <http://www.piercetransit.org/pierce-transit-routes/>

Yes, full project length _____ 3 points
Yes, partial or intersection _____ 2 point
No _____ 0 points
If yes, provide route number(s) _____

COMMITTEE SCORE _____

(Max. score of 3)

NON-MOTORIZED APPLICATION

**49. Are the environmental/water quality improvements greater than the minimum requirements?
Please describe.**

Projects that incorporate Green Stormwater Infrastructure (rain gardens, bioretention, porous pavements, etc.) AND retain 100% of stormwater on site. _____ 3 points

Projects that add more than 5,000 square feet of **new** impervious surface and provide water quality/quantity treatment for **ALL** (new and existing) impervious surfaces within the project area. _____ 2 points

Projects that add less than 5,000 square feet of **new** impervious surface and that provide water quality and quantity treatment OR adds 5,000 square feet or more new impervious but add less than 50% total. _____ 1 point

COMMITTEE SCORE _____
(Max. score of 3)

50. Does this non-motorized project include a vertical grade separation or removes modal conflict at grade?

Yes, vertical grade separation _____ 5 points
Yes, removes modal conflicts at grade _____ 3 points
No _____ 0 points

Please explain:

COMMITTEE SCORE _____
(Max. score of 5)

51. Does this project provide facilities for pedestrians and bicycles? (Check all that apply.)

Provision of facilities for pedestrians _____ 2 points
Provision of facilities for bicycles _____ 2 points
Provision of facilities for bicycles and Pedestrians _____ 1 points

COMMITTEE SCORE _____
(Max. score of 5)

52. Does the project include other non-motorized transportation system components?

Guidance: The description of the "other" selection will be scored within a range of 0 to 3 points.

Pedestrian Amenities (benches, trash cans) _____ 2 points
Bicycle Amenities (bike racks, signage) _____ 3 points
Crosswalk Signalization/Flashing Beacon _____ 4 points
Lighting _____ 3 points
Transit Connection _____ 3 points

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

Other _____ 0-3 points

Describe:

COMMITTEE SCORE _____
(Max. score of 18)

53. In the last five years, have there been any pedestrian or bicycle accidents that could have been prevented with this project?

Yes _____ 5 points
No _____ 0 points

Providing supporting data (accident data, police reports etc.) is a requirement of earning points.
Please identify the accident history:

COMMITTEE SCORE _____
(Max. score of 5)

54. Does this project add a new illumination system?

Yes, full project corridor length _____ 4 points
Yes, partial project corridor length _____ 3 points
Yes, at an intersection only _____ 2 points
No _____ 0 points

COMMITTEE SCORE _____
(Max. score of 4)

OTHER APPLICATIONS

55. Please explain how the project addresses transportation issues or needs of two or more jurisdiction/agencies and/or has countywide impact and benefit.

Guidance: Projects resulting in physical construction must be built in multiple jurisdictions to acquire multiple points.

Please explain:

4 or more agencies affected _____ 8 Points
2 or 3 agencies affected _____ 5 Points

COMMITTEE SCORE _____
(Max. score of 8)

56. Please explain how the project addresses transportation Safety.

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

COMMITTEE SCORE _____
(Max. score of 4)

57. Please explain how the project addresses security and mobility.

COMMITTEE SCORE _____
(Max. score of 4)

58. Please explain how the project addresses environment.

COMMITTEE SCORE _____
(Max. score of 4)

59. Please explain how the project addresses Transportation System Integration.

COMMITTEE SCORE _____
(Max. score of 4)

60. Please explain how the project addresses preservation.

COMMITTEE SCORE _____
(Max. score of 4)

61. Please explain how the project addresses global competitiveness.

COMMITTEE SCORE _____
(Max. score of 4)

62. Please explain how the project addresses productivity and efficiency.

COMMITTEE SCORE _____
(Max. score of 4)

63. Please explain how the project addresses connectivity.

COMMITTEE SCORE _____
(Max. score of 4)

TRANSIT APPLICATIONS

64. Will this project reduce transit operating costs or improve efficiencies?

Yes _____ 4 points
No _____ 0 points

If yes, explain:

COMMITTEE SCORE _____
(Max. score of 4)

65. Does this project provide direct benefit to transit riders?

If yes, explain:

COMMITTEE SCORE _____
(Max. score of 7)

66. Does the project improve transit users safety, security, or access to essential services?
(Check all that apply)

Guidance: Essential services may include hospitals or other emergency services.

If yes, explain: _____

Yes, security improvements _____ 2 points
Yes, safety improvements _____ 2 points
Yes, access to essential services _____ 2 points
No _____ 0 points

COMMITTEE SCORE _____
(Max. score of 6)

67. Describe how the project maintains or improves safe and convenient access to, and/or, within the regional or local center.

Guidance: Applicants should demonstrate the magnitude of the benefits provided by the project and describe how it might improve system continuity and access to centers.

High: A high scoring project would demonstrate the following characteristics:

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

- Provides clear benefit to a center or centers by expanding the person and goods carrying capacity of routes leading towards the center(s).
- Demonstrates that it helps a center(s) meet its development goals (and can reference these goals).
- Improves access to the center(s) for multiple modes, including nonmotorized and transit.

Medium: A medium scoring project would demonstrate the following characteristics:

- Primarily benefits the development along the corridor rather than a center.
- Benefits to a center's development goals are not described in a comprehensive plan.
- Improves access to a center, but only for a few modes.

Low: A low scoring project would demonstrate the following characteristics:

- Has very limited benefits to a center, with the benefits not described in a comprehensive plan.
- Limited access improvements for only one mode.

COMMITTEE SCORE _____
(Max. score of 4)

- 68. Describe the user groups that will benefit from the project, including commuters, residents, commercial users, and those groups identified in the President's Order for Environmental Justice and/or areas experiencing high levels of unemployment or chronic underemployment.**

Guidance: Applicants should demonstrate the magnitude of the benefits provided by the project and describe how it might improve system continuity and access to centers.

High: A high scoring project would demonstrate the following characteristics:

- Serves multiple user groups, including those without full-time access to cars, those identified in the President's Order for Environmental Justice, and/or areas experiencing high levels of unemployment or chronic underemployment.
- Adjacent to dense, mixed-use areas that are likely to generate significant use of the project.

Medium: A medium scoring project would demonstrate the following characteristics:

- Serves a moderate number and variety of users.
- Adjacent land uses are low-density, and therefore, likely to generate limited use.

Low: A low scoring project would demonstrate the following characteristics:

- Serves a limited number and variety of users.

COMMITTEE SCORE _____
(Max. score of 4)

- 69. Describe how the project improves intermodal connections (e.g., between autos, ferries, commuter rail, high capacity transit, buses, carpools, bicycles, etc.) or facilitates connections between separate operators of a single mode (e.g., two transit operators).**

Guidance: Applicants should demonstrate the magnitude of the benefits provided by the project and describe how it might improve system continuity and access to centers.

High: A high scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, preventing the creation of missing links or gaps, thereby improving access to a center or centers.
- Creates a new intermodal connection that provides significant system-wide performance benefits.
- Address critical gaps or barriers in the development of a corridor, creating greater efficiency or reliability in accessing a center.

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

- Removes a bottleneck that improves the overall system performance and creates improved access to a center.
- Provides a long-term solution for meeting projected travel demand for people and/or goods to a center, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Medium: A medium scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, but provides limited improvement in accessing a center.
- Creates a new intermodal connection that provides moderate system-wide performance benefits.
- Addresses important, but not critical, gaps or barriers in the development of a corridor and has limited improvements in efficiency or reliability in accessing a center.
- Provides limited relief to a bottleneck with limited improvement to overall system performance.
- Provides a short-term solution for meeting projected travel demand for people and/or goods, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Low: A low scoring project would demonstrate the following characteristics:

- Does not improve a corridor in logical segments and does not provide for improved access to a center.
- Does not create new intermodal connections.
- Addresses marginal gaps or barriers in the development of a corridor and has very limited improvements in efficiency or reliability in accessing a center.
- Has no perceptible improvement to a bottleneck or to overall system performance.
- Does not address long-term projected travel demand.
- Serves areas outside the Urban Growth Area.

COMMITTEE SCORE _____
(Max. score of 4)

70. **If applicable, describe how the project provides an improvement in travel time and/or reliability for transit users traveling to and/or within centers.**

High: A high scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, preventing the creation of missing links or gaps, thereby improving access to a center or centers.
- Creates a new intermodal connection that provides significant system-wide performance benefits.
- Address critical gaps or barriers in the development of a corridor, creating greater efficiency or reliability in accessing a center.
- Removes a bottleneck that improves the overall system performance and creates improved access to a center.
- Provides a long-term solution for meeting projected travel demand for people and/or goods to a center, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Medium: A medium scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, but provides limited improvement in accessing a center.
- Creates a new intermodal connection that provides moderate system-wide performance benefits.
- Addresses important, but not critical, gaps or barriers in the development of a corridor and has limited improvements in efficiency or reliability in accessing a center.
- Provides limited relief to a bottleneck with limited improvement to overall system performance.
- Provides a short-term solution for meeting projected travel demand for people and/or goods, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Low: A low scoring project would demonstrate the following characteristics:

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

- Does not improve a corridor in logical segments and does not provide for improved access to a center.
- Does not create new intermodal connections.
- Addresses marginal gaps or barriers in the development of a corridor and has very limited improvements in efficiency or reliability in accessing a center.
- Has no perceptible improvement to a bottleneck or to overall system performance.
- Does not address long-term projected travel demand.
- Serves areas outside the Urban Growth Area.

COMMITTEE SCORE _____
(Max. score of 4)

71. How does the project maximize the efficiency of the corridor? Describe the problem and how this project will remedy it.

Guidance: Applicants should demonstrate the magnitude of the benefits provided by the project and describe how it might improve system continuity and access to centers.

High: A high scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, preventing the creation of missing links or gaps, thereby improving access to a center or centers.
- Creates a new intermodal connection that provides significant system-wide performance benefits.
- Address critical gaps or barriers in the development of a corridor, creating greater efficiency or reliability in accessing a center.
- Removes a bottleneck that improves the overall system performance and creates improved access to a center.
- Provides a long-term solution for meeting projected travel demand for people and/or goods to a center, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Medium: A medium scoring project would demonstrate the following characteristics:

- Improves a corridor in logical segments, but provides limited improvement in accessing a center.
- Creates a new intermodal connection that provides moderate system-wide performance benefits.
- Addresses important, but not critical, gaps or barriers in the development of a corridor and has limited improvements in efficiency or reliability in accessing a center.
- Provides limited relief to a bottleneck with limited improvement to overall system performance.
- Provides a short-term solution for meeting projected travel demand for people and/or goods, considering environmental issues, land-use strategies, transportation efficiency, and health impacts.

Low: A low scoring project would demonstrate the following characteristics:

- Does not improve a corridor in logical segments and does not provide for improved access to a center.
- Does not create new intermodal connections.
- Addresses marginal gaps or barriers in the development of a corridor and has very limited improvements in efficiency or reliability in accessing a center.
- Has no perceptible improvement to a bottleneck or to overall system performance.
- Does not address long-term projected travel demand.
- Serves areas outside the Urban Growth Area.

COMMITTEE SCORE _____
(Max. score of 4)

72. Will this project extend the useful life of an asset or will it replace an asset that is beyond the useful life?

___ The entire project will extend the useful life of an asset or replace an asset beyond its useful life. (3 points)

___ Part of the project will extend the useful life of an asset or replace an asset beyond its useful life. (2 points)

___ No, this project will not extend the useful life of an asset or replace an asset beyond its useful life. (0 points)

Explain:

COMMITTEE SCORE _____
(Max. score of 3)

RURAL APPLICATIONS

73. Are the environmental/water quality improvements greater than the minimum requirements?
Please describe:

Projects that incorporate Green Stormwater Infrastructure (rain gardens, bioretention, porous pavements, etc.) AND retain 100% of stormwater on site. _____ 3 points

Projects that add more than 5,000 square feet of new impervious surface and provide water quality/quantity treatment for ALL (new and existing) impervious surfaces within the project area. _____ 2 points

Projects that add less than 5,000 square feet of new impervious surface and that provide water quality and quantity treatment OR adds 5,000 square feet or more new impervious but add less than 50% total. _____ 1 point

COMMITTEE SCORE _____
(Max. score of 3)

74. Will this project improve the efficiency and accessibility of trucks to deliver rural economy products such as, mineral extractions, forest products, food or other agricultural products to the urban centers?

Yes _____ 6 points
No _____ 0 points

Please explain: _____

High: A high scoring project would demonstrate the following characteristics:

- Demonstrate the project will improve transportation for more than one rural product group.
- The project consists of upgrades that provide greater sustainability for the rural freight system.

Medium: A medium scoring project would demonstrate the following characteristics:

- Demonstrate the project will improve transportation for one rural product group.
- The project consists of upgrades that do not mitigate the impacts of truck traffic.

Low: A low scoring project would demonstrate the following characteristics:

- The project does not improve transportation for any of the rural product group.
- The project does not include rehabilitation nor reconstruction elements.

COMMITTEE SCORE _____
(Max. score of 6)

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

PICK AND SCORE ONE ONLY (75 or 75A)

75. Percent of heavy trucks (3 axles min) _____ %
Basis for determining truck percentage (a description is required to score points)

-
-
- Over 10% _____ 3 points
 - 5 to 9% _____ 2 points
 - 2 to 4% _____ 1 point

OR

75A. Truck Route Classification (see link <http://www.wsdot.wa.gov/Freight/FGTS/CountyMaps.htm>)

- T-1: more than 10 million tons per year _____ 3 points
 - T-2: 4 million to 10 million tons per year _____ 2 points
 - T-3: 300,000 to 4 million tons per year _____ 2 points
 - T-4: 100,000 to 300,000 tons per year _____ 1 point
 - T-5: at least 20,000 tons in 60 days _____ 1 point
 - Locally designated truck route _____ 1 point
- (Must be in Code or Comprehensive Plan and attached)

COMMITTEE SCORE _____
(Max. score of 3)

76. Does the project widen or improve travel lane width, shoulder width, and/or improve the entering sight distance of an existing facility?

- Yes, increases lane and shoulder widths _____ 8 points
- Yes, increases entering sight distance _____ 7 points
- Yes, increases lane widths only _____ 6 points
- Yes, increases shoulder widths only _____ 5 points
- None _____ 0 points

COMMITTEE SCORE _____
(Max. score of 8)

77. Will this project correct a significant safety problem by implementing a seismic retrofit, guardrail, attenuator and barriers, or other devices?
Guidance: The explanation and supporting material will be scored within a range of 0 to 4 points.

Please explain the existing problem and provide supporting data (accidents, police reports, etc...):

COMMITTEE SCORE _____
(Max. score of 4)

78. Will this project retain the important cultural, economic, and rural lifestyle opportunities of the region?

- Yes _____ 3 points
- No _____ 0 points

Please explain: _____

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE

Agency City of Puyallup

COMMITTEE SCORE _____
(Max. score of 3)

79. How does this project support cottage industries, small-scale farms, and/or access to recreational areas in designated natural resource lands?

Yes _____ 5 points

No _____ 0 points

Please explain: _____

High: A high scoring project would demonstrate the following characteristics:

- The project improves a corridor with direct access to the industries, farms, and/or recreational areas.
- The project improves access to more than five of the industries, farms, and/or recreational areas.

Medium: A medium scoring project would demonstrate the following characteristics:

- The project improves a corridor with indirect access to the industries, farms, and/or recreational areas.
- The project improves access to three or more of the industries, farms, and/or recreational areas.

Low: A low scoring project would demonstrate the following characteristics:

- The project provides minimal access to the industries, farms, and/or recreational areas.
- The project improves access to less than three of the industries, farms, and/or recreational areas.

COMMITTEE SCORE _____
(Max. score of 5)

80. Does the project, in whole or incrementally, improve the connectivity of the rural transportation system?

Yes, improves connections to 3 or more agencies outside of the Urban Growth Area _____ 3 points

Yes, improves connections to 2 or more agencies outside of the Urban Growth Area _____ 2 points

Yes, improves connections within 1 agency outside of the Urban Growth Area _____ 1 points

No _____ 0 points

Please explain: _____

COMMITTEE SCORE _____
(Max. score of 3)

81. How will the project improve transportation to, or within, existing central places in the rural community with commercial, retail, and community services?

Guidance: Community services may include government services such as Town Halls, Libraries, or Post Offices. Community services may include private services such as retail or commercial outlet such as grocery, bakery, clothing stores or restaurants.

Yes _____ 5 points

No _____ 0 points

Please explain: _____

High: A high scoring project would demonstrate the following characteristics:

- The project improves a corridor with direct access to a Rural or Town Center
- The project improves access to a Rural or Town Center with more than five types of community services.

Project Title Shaw Road: 12th Ave SE to 23rd Ave SE
Agency City of Puyallup

Medium: A medium scoring project would demonstrate the following characteristics:

- The project improves a corridor with indirect access to a Rural or Town Center
- The project improves access to a Rural or Town Center with three or more types of community services.

Low: A low scoring project would demonstrate the following characteristics:

- The project is minimally related to a Rural or Town Center
- The project improves access to a Rural or Town Center with less than three types of community services.

COMMITTEE SCORE _____
(Max. score of 5)

TOTAL SCORE FOR ALL SECTIONS _____

JURISDICTION APPROVAL.

I, the undersigned, affirm to the best of my knowledge:

- MAP (initial) The project information contained within this application is accurate.
- MAP (initial) The project is programmed and matching funds are available.
- MAP (initial) Agency acknowledges it must apply for listing in Regional TIP before July 31, 2012.

BY: 
Approving Authority

TITLE: City Engineer

DATE: 4/29/14

