

Project Title Fruitland Ave: W. Pioneer to 9th Ave SW

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 Call for Projects. 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 – Funding requests are limited to \$750,000 per agency
(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: Mark Palmer, P.E. Address: 333 S Meridian

Title: City Engineer Telephone: 253-435-3606

Email: mpalmer@ci.puyallup.wa.us

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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		Multiple Intersections – Roadway
SI	Environmental Improvement – Roadway		Single Intersection – Roadway
	Major Widening – General Purpose	SI	Safety – Roadway
	Major Widening – HOV		Grade Separation
	Minor Widening – No new capacity		Major Interchange – GP
PI	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
SI	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		

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PROJECT LOCATION INFORMATION

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

3. **Project Location:** Fruitland Avenue E

From: W Pioneer Avenue To: 9th Avenue SW

Or, other appropriate locating information: _____

Project Length: 2,150 (feet)

4. **Federal Route Number** 3183

5. **Federal Functional Class:** Major Collector sec link
www.wsdot.wa.gov/Mapsdata/tools/functionalclass

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

5b. **Average Daily Traffic Volume:** 8,900 (Fruitland) 13,700 (W Pioneer, w/o Fruitland) = 22,600 total

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: Local TIP, Adopted 05/06/2014, page 3, Project Number 30. The attachments include the TIP Plan as well as the Council Agenda Bill for the 05/06/2014 meeting requesting approval of the plan.

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 Fruitland Ave E project, aka WSU LID Frontage Improvement Project, includes improvements on existing streets along the Washington State University facility frontage in west Puyallup. This project will improve safety by adding separated sidewalks, cycle track, and dedicated turn lane and median. The project will also address frontage improvement requirements which currently constrain development of WSU Puyallup as a leading research center, demonstrate the application of Low Impact Development (LID) while providing water quality sampling for WSU-based research and improve water quality locally through on-site stormwater management.

Confirm word count (88 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):**

Fruitland Avenue E project is part of an overall plan for LID-based frontage improvements at the Washington State University facility in west Puyallup. The overall project will repair failing roadways, improve safety by adding separated sidewalks and cycle tracks, increase utility capacity, address frontage improvement requirements which currently constrain development of WSU Puyallup as a leading research center.

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demonstrate the application of Low Impact Development (LID), provide water quality data for WSU-based research and improve local water quality through on-site stormwater management.

This grant request includes design and ROW acquisition Fruitland Avenue E: W Pioneer to 9th Avenue SW. This transit-route (PT 409) improvement project includes widening of Fruitland Avenue E: W Pioneer Avenue to 9th Avenue SW and signal modifications at the W Pioneer-Fruitland intersection. The project will add a two-way left-turn lane from W Pioneer to 7th Avenue SW and center median from 7th Avenue SW to 9th Avenue SW. A new, two-direction bike track will be added the entire length of Fruitland Avenue E. Marked crosswalks will be added at both the W Pioneer Ave and the 7th Ave SW intersections of Fruitland Ave E. The changes to the Fruitland Ave E and 7th Ave SW intersection will include improvements to horizontal adequacies, providing improved sight distance by increasing the setbacks and radii of the corners. In the past twelve years there have been 49 accidents involving 92 vehicles with 35 injuries and one fatality along the subject area of Fruitland Ave E: W Pioneer Avenue to 9th Ave SW.

To accommodate road widening and new facilities, Right-of-Way acquisition will be required. An active partner in the project, WSU will donate necessary ROW as part of the match requirement for the project. This project will employ Low Impact Development (LID) elements for stormwater control. LID elements will include porous asphalt, pervious concrete, and bioretention facilities.

Confirm Word count (308 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 .865 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.

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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	2015	\$940,249
Right of Way	2016	\$203,900
		\$1,144,149

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 (\$6,675,843)

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 Fund Source	B Secured, reasonably Expected, or Unsecured?	C Obligation Date (Yr Only)	D \$ Amount by Funding Source	Project Phase			
				E Planning	F Prelim. Eng/ Design	G Right-of-Way	H Construction / Implementation
Local	Secured	2015	\$146,684	\$0	\$146,684	\$0	\$0
WSU Co-op Jurisdiction	Reasonably Expected	2015	\$315,500	\$0	\$0	\$315,500	\$0
(name) Private Funds							
Other							
Grant Request	Unsecured	2015	\$1,144,149	\$0	\$940,249	\$203,900	\$0
TOTAL			\$1,606,333		\$1,086,933	\$519,400	\$0

If unable to completely fill out Tables #10-12, please explain why: The budget amount listed as match from WSU in the table above is the estimated land value of the ROW that will be donated by WSU.

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>

In anticipation of receiving PRSC funding, the City of Puyallup Council approved appropriation of funds to match any PSRC TIP grant funds (see attached Council Agenda Bill and meeting minutes for approved dedication of funds at Council Meeting 03/18/2014).

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WSU-Puyallup is an active partner in this project. In that attached funding commitment letter WSU identifies the anticipated 31,550 square feet of land that will be donated to the City for the ROW acquisition needs for this project.

THE FOLLOWING RESPONSES WILL BE SCORED FOR PROJECT PRIORITIZATION.

PROJECT READINESS

12. **Cooperating Jurisdictions and Private Sector Support, if any: Provide names of all jurisdictions and private parties, contributing funds would be applied, and the percentage of total project funds provided. The percentage shall be expressed based on the costs of the requested phases under the current application. Contributing funds for prior phases shall not be considered. Applicants that have been previously awarded grant funding for their project CANNOT use the grantor as a cooperating jurisdiction.**

Letters of Commitment from all cooperating jurisdictions and private sector support must be attached to receive points: Yes X No _____

Cooperating Jurisdiction	Phase	Dollar Amount of Participation	Percentage of Current Application
WSU	ROW	\$315,500	19.64%
Total:			19.64%

- X 5 % or more 3 points
 _____ 3 to 4 % 2 points
 _____ 1 or 2 % 1 point

COMMITTEE SCORE _____
 (Max. score of 3)

Private Sector Support	Phase	Dollar Amount of Participation	Percentage of Current Application
N/A	-	\$0	0%
Total:			

- _____ 5 % or more of total project costs 3 points
 _____ 3 to 4 % of total project costs 2 points
 _____ 1 or 2 % of total project costs 1 point

COMMITTEE SCORE _____
 (Max. score of 3)

13. **Has the jurisdiction secured/obligated state or federal funding for any of the projects below phases or has it completed a phase of the project using local funds only? (Please check all that apply)**

Planning _____ 1 point P/E Design _____ 2 point
 ROW _____ 2 point Construction _____ 2 point

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(ROW is required to receive points)

If any are checked, name project title and Funding Agency ID# _____

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 _____ 2 points
Collector X 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 new sidewalks in this project exceed the minimum 60-inch width dictated by the LAG Manual. The conceptual plans for include a 72-inch wide west sidewalk with separation the full-length of Fruitland Ave E from the travel lane with a 72-inch wide bioretention planter strip. The east sidewalk is designed at 84 inches wide and bordered by an 11-foot wide cycle track the full length of Fruitland.

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 X 2 point
15% to 20% of total project costs _____ 1 point

COMMITTEE SCORE _____
(Max. score of 3)

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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)	X	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	
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)

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	Not complete	6/1/2016
Environmental Approval	Not complete	6/1/2015
Right-of-Way Certification	Not complete	4/1/2016

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).

N/A

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

Yes ___ No X (Include information about other funding benefits.)

Please explain:

COMMITTEE SCORE _____
 (Max. score of 1)

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

This project connects both of Puyallup's Centers.

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 X 1 point

No _____ 0 points

If yes, provide route number(s) PT 409

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>

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vehicle usage conditions, as well as the conditions after the project is implemented. Projects expected to result in an increase in transit usage will be asked to provide information on the current transit ridership and transit 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 Fruitland Ave E: W Pioneer to 9th Avenue SW project will reduce emissions by creating pedestrian and bicycle access to a transit route where there are currently no sidewalks or even curb/gutters in areas. A two-way, 11-foot wide bicycle track will be designed separate from the vehicle travel lanes and sidewalk areas. These new facilities will create pedestrian and dedicated bicyclist access to the transit route, schools, employment center.

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 = _____ 5 points
 Medium = X 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:

Signal modifications will be made at the intersection of Fruitland Ave E and W Pioneer as part of this project. The intersection will be improved with painted crosswalks (access to transit route), dedicated right-turn lanes, and signal modifications. These improvements will support traffic flow, attention to pedestrians, and support vehicle flow within travel lanes.

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- Yes, Significant Improvement 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:

This project will provide 100% stormwater infiltration and management on-site. This retrofit from the current 100% impervious roadway will support a reduction in stormwater flows by constructing the roadway and bicycle track with pervious concrete, bioretention cells for the planting strip areas, and using porous asphalt for the sidewalks. These completed LID efforts will reduce polluted stormwater flows to the adjacent Clarks Creek. This will support the Total Maximum Daily Load (TMDL) for Clarks Creek. IN addition to reducing pollution loading to the creek, the reduction in flows will help reduce erosion of the stream channel during high-rain events.

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 provides water quality treatment for 150% of new impervious surfaces. 1 point

COMMITTEE SCORE _____
(Max. score of 3)

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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:
This project will provide for horizontal adequacy improvements at the intersection of Fruitland Avenue E and 7th Ave SW, increasing the sight distance with increased radii and structure setbacks from the intersection. (see attached photos, Figure 3)

(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:

The project will include the additional of multiple marked crosswalks at intersections.

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: N/A

- 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 _____ 1 point

COMMITTEE SCORE _____

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(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...):
N/A

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
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:

This project adds a bicycle track and sidewalks to remove conflicts between bicycles, pedestrians, and vehicles.

Removes conflicts for three modes of transport X 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

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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 X 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 X 1 point
- No _____ 0 points

COMMITTEE SCORE _____
(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 X 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 X 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 X 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.** _____

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	07 = Resurfacing Placement of additional surface material over the existing roadway to improve serviceability or to provide additional strength. There may be some
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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.	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.
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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:

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 _____

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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 provides water quality treatment for 150% of new impervious surfaces. _____ 1 point

COMMITTEE SCORE _____
(Max. score of 3)

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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
- Other _____ 0-3 points

Describe:

COMMITTEE SCORE _____
(Max. score of 18)

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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.

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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.

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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:

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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:

- 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.
- 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.

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- 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:

- 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

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- 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:

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COMMITTEE SCORE _____
(Max. score of 3)

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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 provides water quality treatment for 150% of new impervious surfaces. . _____ 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)

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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)

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

Yes _____ 3 points
No _____ 0 points

Please explain: _____

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)

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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.

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:

- mas (initial) The project information contained within this application is accurate.
- mas (initial) The project is programmed and matching funds are available.
- mas (initial) Agency acknowledges it must apply for listing in Regional TIP before June 1 of the selected obligation year.

BY: 
Approving Authority

TITLE: City Engineer

DATE: 4/29/14

