

Project Title Lake Tapps Parkway Preservation
Agency City of Auburn

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:

 X Preservation – Funding requests are limited to \$750,000 per agency
(Please answer Questions 1-23 and 38-48)
Potential score of 100

1a. Agency Contact Person

Name: James Webb Address: 25 West Main Street, Auburn 98001
Title: Traffic Engineer Telephone: (253) 804-5040
Email: jwebb@auburnwa.gov

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
	Environmental Improvement – Roadway		Single Intersection – Roadway
	Major Widening – General Purpose		Safety – Roadway
	Major Widening – HOV		Grade Separation
	Minor Widening – No new capacity		Major Interchange – GP
	Minor Widening – New capacity		Major Interchange – HOV
PI	Preservation/Maintenance/Reconstruction		Minor Interchange – GP
	Resurfacing		Minor Interchange – HOV
	New Bridge or Bridge Widening		Other – Roadway
	Bridge Rehabilitation		

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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:** Lake Tapps Parkway
From: Western City Limit To: Lakeland Hills Way SE
Or, other appropriate locating information: _____
Project Length: 7,150 (feet)
4. **Federal Route Number** 3290
5. **Federal Functional Class:** 14 Principal Arterial see link
www.wsdot.wa.gov/Mapsdta/tools/functionalclass
- 5a. **Posted Speed Limit:** 45/35 mph
- 5b. **Average Daily Traffic Volume:** 17,650

PROJECT DESCRIPTION

6. **Funding Request: What is the proposed funding source?** STP 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 No _____

If yes, cite document, page(s) and adoption date:

The project is identified in the City of Auburn Transportation Improvement Plan as project #22. Page 79. Updated Transportation Plan will be adopted by Auburn City Council on June 16th, 2014.

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 proposed project will patch and overlay portions of the pavement on Lake Tapps Parkway SE from the Western City limit to Lakeland Hills Way.

Confirm word count (28 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):**

This project is needed to maintain a critical regional route in good repair. The project will repair the wearing surface on one of the City of Auburn’s most traveled principal arterials. This roadway wears very quickly due the steep grades, and winter de-icing and plowing activities needed to keep the roadway open. Lake Tapps Parkway is a critical route connecting north Pierce county residents, commuters, and emergency responders to the valley and SR-167.

Confirm Word count (73 words)

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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

$$\begin{aligned} \$100,000 / .865 &= \$115,607 \\ \$115,607 - \$100,000 &= \$15,607 \text{ local match required} \end{aligned}$$

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/Design	2016	\$97,900
Construction	2017	\$652,100
		\$
		\$
		\$
		\$750,000

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>

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11. Total Project Cost (\$952,850)

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	2016/2017	\$202,850		\$26,480		\$176,370
(name) Co-op Jurisdiction							
(name) Private Funds							
(source) Grant							
Other							
Other							
Other							
Grant Request	Unsecured	2016/2017	\$750,000		\$97,900		\$652,100
TOTAL			\$952,850		\$124,380		\$828,470

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>

Local funds for the project are programmed, as identified in the City of Auburn Transportation Improvement Program sheet for the proposed project.

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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 No

Cooperating Jurisdiction	Phase	Dollar Amount of Participation	Percentage of Current Application
Total:			

- _____ 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
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)

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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
(ROW is required to receive points)

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

Funding Source:

Funding Amount(s): Local Funds _____

Name and completion date of Planning Study: _____

COMMITTEE SCORE _____
(Max. score of 7)

14. Federal Functional Classification: Principal

Principal 3 points
Minor 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 2 points
No 0 points

If yes, what are they?

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)

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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)		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	X

*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	12/30/2016
Environmental Approval	Not complete	12/30/2016
Right-of-Way Certification	N/A	Click here to enter a date.

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).

No ROW is required for this project.

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)	X
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)	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, 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 project is located within the Auburn Local Center. In addition, the project will support the adjacent Sumner/Pacific MIC, and the Sumner Town Center to the south and Milton and Edgewood Centers to the west.

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 0 (see pages 26 and 27 of the call for projects)

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

COMMITTEE SCORE _____
 (Max. score of 2)

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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.

Transit locations (0-2 trips/day)	Schools	Household/Retail	Commercial Areas
Transit locations (0-5 trips/day)	Grocery Store	Parks and Recreation	Cultural Facilities (museums, libraries, etc.)
Transit locations (0-5+ trips/day)	Medical	Employment Centers	*Other

1 point each item

*Please describe:

COMMITTEE SCORE _____
 (Max. score of 12)

22. Does this project provide contiguous gap-closure to a previously funded transportation route?

(Gap closure projects may improve the facility to a standard equal to those sections on either end of the project. Gap closure project may provide a missing link of a facility that leads to a single connected facility. Gap closure projects are not limited to roadway sections and may include pedestrian paths, bicycle paths, trails, bridges, or any other transportation project which completes the system.)

- Yes, Final Section _____ 3 points
- Yes, Next Section _____ 2 point
- No X 0 points

If yes, please name adjacent segments; provide their funding source, and completion date:

COMMITTEE SCORE _____
 (Max. score of 3)

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23. Describe how the project has the potential to reduce emissions?

Guidance: The application process will walk project sponsors through specific questions designed to determine the potential emissions reductions of their project. For example, projects involving fuel or vehicle conversions will be asked to provide information on the total number of vehicles affected, the current fuel and 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:

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 = _____ 3 points
Low = _____ 2 points
0 = _____ 0 points

COMMITTEE SCORE _____
(Max. score of 5)

PRESERVATION APPLICATIONS

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

<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>
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39. Pavement Preservation Surface Area: 23,500 (SY)

40. Distressed Pavement (SY / percentage of total roadway surface (matching question 12))

< 5%

(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 IMA 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). \$24,560

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

Concrete or HMA treatment X 5 points
 Chip Seal 2 points

COMMITTEE SCORE _____
 (Max. score of 5)

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43. Project Roadway Pavement Condition Index (PCI) 78, 69

Year of Project Roadway (PCI) (must be no older than 2010) 2013

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

The basis of Pavement Condition Index is our recent 2013 pavement rating, and a projection to 2017 year of construction for the project. The PCI is currently at 78, but based on the age of the pavement, current rate of degradation, and projected deterioration we project the Pavement Condition Index to be at 69 in 2017.

- 75 to 80 3 points
- 65 to 74 X 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 X 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
- (Must be in Code or Comprehensive Plan and attached)

COMMITTEE SCORE
(Max. score of 7)

45. Jurisdiction has a pavement management system.

- Yes X 3 points

COMMITTEE SCORE
(Max. score of 3)

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46. **Jurisdiction Overall PCI for Federal Functionally Classified Roadways** 82

Year of overall functionally classified PCI 2013 (must have been completed in the last 6 years)

Overall PCI 70 or above	<u>X</u> <u>7</u> points
65-69	<u> </u> 6 points
60-64	<u> </u> 4 points
51-59	<u> </u> 2 points

COMMITTEE SCORE
(Max. score of 7)

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

Yes X 2 points

COMMITTEE SCORE
(Max. score of 2)

47. **Federal Functional Classification: Principal ~~Minor~~ Collector**

Principal	<u>X</u> <u>4</u> points
Minor	<u> </u> 3 points
Collector	<u> </u> 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	<u> </u> 3 points
Yes, partial or intersection	<u> </u> 2 point
No	<u>X</u> <u>0</u> points

If yes, provide route number(s) _____

COMMITTEE SCORE
(Max. score of 3)

