

Project Title: Historic Water Ditch Trail Phase IV Construction Project
Agency : City of Tacoma

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: Said Seddiki Address: South Tacoma Way (from S. M. St to S. C St)
Title: Project Manager Telephone: 253 591-5204
Email: sseddiki@cityoftacoma.org

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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
	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
	Preservation/Maintenance/Reconstruction		Minor Interchange – GP
	Resurfacing		Minor Interchange – HOV
	New Bridge or Bridge Widening		Other – Roadway
	Bridge Rehabilitation		
NONMOTORIZED			
SI	Sidewalk		Bike Lanes
PI	Regional Trail (Separate Facility)	SI	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		

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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: South Tacoma Way

From: South M Street To: South C Street

Or, other appropriate locating information: _____

Project Length: 4,400 (feet)

4. Federal Route Number 2977

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

5a. Posted Speed Limit: 35 mph

5b. Average Daily Traffic Volume: 12,000+

PROJECT DESCRIPTION

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

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: Tacoma Six-Year Comprehensive Transportation Improvement Program Amended 2013/ 2014 & 2015- 2020, adopted Jan 7, 2014; page 25 of 41

8. Brief Project Description – Include a 8 ½ x 11 detailed vicinity map and a cross-section detail of the project, if applicable (100 words maximum):

The Water Ditch Trail project proposes to construct approximately one (1) mile of non-motorized facility for active transportation access along a busy and narrow arterial. The trail along South Tacoma Way from South M Street to South C Street is the 4th Phase of a 6.5 mile trail. The 3rd and 4th trail segments are currently being designed. The project includes a 12' wide concrete multi-use trail, 2' gravel shoulder, curb and gutter, transit stop/amenities, trail user amenities, and pedestrian level lighting. The trail will provide improved safety by creating a vertical separation of travel modes. The project will be constructed within the existing right-of-way. (see Exhibit A, vicinity map and cross section)

Confirm word count (99 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):

The existing 6.5 mile Water Ditch trail (WDT) has several segments. WDT Phase I was constructed in 2006. It included two segments from South 47th Street to just north of South 56th Street and

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South 60th Street to South 72nd Street. Phase II includes four segments (S. 80th to S. 72nd, S. 56th to S. 60th, 47th to S. Washington, and Clement to Washington) that are under construction now. A separate roadway reconstruction project added bike lanes to South Tacoma Way S. Washington to Pine Street in 2007. In 2012, Sound Transit finished construction of a multiuse trail segment connecting S. C Street and the Tacoma Dome Station Regional Transportation Center. In 2012, the WDT project Phases III and IV were funded for PE and Environmental in the Countywide competition.

The requested funds will construct WDT Phase IV (from South M Street to South C Street) a one (1) mile gap along the busy and narrow segment of South Tacoma Way. The roadway has narrow travel lanes and it currently does not have pedestrian and bicycle facilities. The Phase III project not included here requires additional public involvement to finalize design for construction.

Existing conditions:

South Tacoma Way has two travel lanes in each direction. This section does not have a continuous center turn lane. The posted speed limit of 35 mph however it is exceeded 30% of the time. This section of South Tacoma Way also has outdated storm drains that are particularly dangerous to bicyclists. There is no pedestrian lighting or compliant curbs, ramps or driveways. The trail is adjacent to low to mid income neighborhoods therefore walking and transit are essential to meet their transportation needs.

Proposed improvements:

This phase of the trail will include a 12-foot wide concrete multi-use trail with 2-foot gravel shoulder, curb and gutter and transit stop/amenities. The project will also include ADA compliant curb ramps and sidewalks, new storm drains, pedestrian crossing markers, turn restrictions for added pedestrian safety, a traffic signal upgrade for pedestrian safety, and trail user amenities including pedestrian level lighting, benches, signs, and bike racks. Other project elements include improved storm water treatments, trail user amenities, signage, lighting, bike racks, utility pole relocation, trash receptacles, and trail head markers as needed.

This project will construct a “gap closure” trail segment of approximately one (1) mile thereby increasing the usability of the 6.5 mile Water Ditch Trail project. A contiguous trail will increase non-motorized access and help to reduce vehicle miles traveled for residents/employees. This project will greatly add to the City’s planned ped/bicycle trail system and will increase transportation choices and provide better access to schools, jobs, activity centers, transit systems, and commercial districts.

All project elements are intended to increase nonmotorized travel, support multimodal activity in local and regional Centers and transit facilities/services and improved air quality due to shifts away from single occupant vehicles.

(see Exhibit B, Trail Map and Photos)

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:

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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
Construction	2015	\$ 1,840,104
		\$
		\$
		\$
		\$
		\$1,840,104

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 (\$2,864,828)

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	2013	\$100,000		\$100,000		
CMAQ (PSRC)	Secured	2013	\$600,000		\$600,000		
Local (City of Tacoma)	Secured See attached Exhibit D	2015	\$324,724				\$324,724
(source) Grant							

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Other						
Other						
Other						
Grant Request	Unsecured	2015	\$1,840,104			\$1,840,104
TOTAL			\$2,864,828		\$700,000	\$2,164,828

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>

Funds identified in the table above will be included in the updated Six Year Comprehensive Transportation Improvement Program 2015-2020. Please see Exhibit C containing a Memorandum from the Tacoma Public Works Director identifying Gas Tax fund allocation as match for 2014 Countywide Grant Application projects and other secured funding documentation.

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 X

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

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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)

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# Historic Water Ditch Trail Phase III & IV; TAC- 92
Funding Source: CMAQ
Funding Amount(s): _\$600,000_____

Name and completion date of Planning Study:

- Comprehensive Plan:
- Transportation Element – 06/25/13
- South Downtown Subarea Plan – 12/17/13
- Neighborhood Element – 06/30/09
- Open Space Habitat and Recreation Element – 12/08

- Capital Facilities Program, adopted 12/4/12
- Six Year Comprehensive Transportation Improvement Program, adopted 1/7/14

COMMITTEE SCORE _____
 (Max. score of 7)

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14. Federal Functional Classification: Principal Minor Collector

Principal X 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 X 2 points
 No 0 points
 If yes, what are they?

The project includes a 12' wide ADA compliant concrete pathway that separates pedestrians from vehicles.

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 x 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)	<input checked="" type="checkbox"/>	Environmental process complete* (must provide a signed ECS by FHWA or WSDOT H&LP)	<input checked="" type="checkbox"/>
Obligates funds in 2016 (receives 1 point)	<input type="checkbox"/>	Funding requested here completes project or fully implements the project	<input checked="" type="checkbox"/>
ROW plans approved by WSDOT	<input type="checkbox"/>	Purchase of ROW certified or not required	<input checked="" type="checkbox"/>

*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): 0%

Project Phase	Status	Actual or Expected Completion Date
Preliminary Engineering	Not complete	5/19/2015
Environmental Approval	Complete	7/8/2013

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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).

The project will be constructed within the existing ROW.

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 this project does not receive grant funding it is likely that the City match may be re-allocated to other needs. Therefore the funding benefit will be lost due to internal competition for funds. Missing this funding opportunity will delay completion of the “missing” Historic Water Ditch Trail (WDT) along South Tacoma Way. Additionally, it is likely that the cost of constructing the project at a later will be higher.

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)	X	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, 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 serves a major industrial center (South Tacoma Industrial Candidate Center) and accommodates the separation of non-motorized modes from the movement of freight and goods to/from the Center creating a safe, reliable corridor for motorists, non-motorized, and transit users. This corridor serves two Regional Growth Centers and one Candidate Center and will complete the sidewalk system through the Nalley Valley Industrial Center connecting commercial (Tacoma Mall regional Center), residential areas, and the Tacoma Dome Regional Transit Station. This state designated significant freight transportation route produces and distributes products throughout the state and region and will be designed to accommodate these freight needs. The last 2 miles of dedicated bicycle facilities will connect to over 20 miles of bicycle facilities throughout Tacoma, with links to regional trail systems such as the Scott Pierson Trail. (see attached map Exhibit D)

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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) 48 and 300

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 _____ 2

4 or more transit vehicles _____ 2 points
 1 to 3 transit vehicles X 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.

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

1 point each item

*Please describe:

The trail connects two Regional Growth Centers (Downtown and Tacoma Mall with high density neighborhoods, activity centers, retail and service establishments, higher ED campuses such as UWT, Regional Transit facilities, a Manufacturing and Industrial Center, and several cultural facilities, such as the Tacoma Art Museum, Chihuly Glass Museum, and Washington State History Museum. In addition, the completed trail provides access to several parks including South Park Community Center (see attached map-Exhibit E).

COMMITTEE SCORE _____

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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 X 3 points
No _____ 0 points

Please explain:

The project will provide a vertically grade separated multiuse path where nothing exists today thereby greatly increasing safety for pedestrians and bicyclists. Safer nonmotorized crossings are included in the project.

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 x 2 points
Provision of facilities for bicycles x 2 points
Provision of facilities for bicycles and Pedestrians x 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) x 2 points
Bicycle Amenities (bike racks, signage) x 3 points
Crosswalk Signalization/Flashing Beacon x 4 points
Lighting x 3 points
Transit Connection _____ 3 points
Other _____ 0-3 points

Describe:

The amenities include benches, bike racks, signage, pedestrian lighting and signal ped crossing actuation. See project description for more details.

COMMITTEE SCORE 18
(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 x 0 points

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

COMMITTEE SCORE 0
(Max. score of 5)

54. Does this project add a new illumination system?

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

COMMITTEE SCORE 3
(Max. score of 4)

TOTAL SCORE FOR ALL SECTIONS _____

JURISDICTION APPROVAL.

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

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

BY: Chris Lane
Approving Authority

TITLE: ENGINEERING DIVISION MANAGER

DATE: 4/30/2014