



2016 Regional Surface Transportation Program (STP) Grant Application

PROJECT TITLE: Tipsoo Loop Chip Seal Project

TRPC use only

GENERAL PROJECT INFORMATION

Agency or Organization City of Rainier
 Contact Person Charmayne Garrison
 Phone Number (360) 446-2265
 Email Address rainier@ywave.com

Type of Transportation Partner (Check one)

- Traditional Transportation Partner
 Non-Traditional Transportation Partner
Type of Regional Safety
Funding Priority Preservation
 (Check all that apply) Efficiency

Threshold Criteria

- Project elements meet all regional eligibility requirements
 Project elements and administration meet all federal eligibility requirements
 Applicant can demonstrate ability to obligate funding as proposed

STATUS OF EXISTING FEDERAL PROJECTS

- | | Yes | No |
|--|----------------------------------|-----------------------|
| Does the applicant have any other regional STP projects underway? (yes or no) | <input checked="" type="radio"/> | <input type="radio"/> |
| Does the applicant have any other state selected federal projects underway? (yes or no) | <input checked="" type="radio"/> | <input type="radio"/> |
- If yes to either, attach separate documentation describing status of each project including project name, funding source, year of award, progress to date, future obligation commitments and strategy for meeting those obligation commitments in addition to those associated with new project funding.*

PROJECT OVERVIEW

Brief abstract (~ 150 words) of proposal identifying problem or need, how the proposal will address it, and anticipated benefits. This is a high level summary suitable for reports and on-line descriptions. Detailed project information is provided on page 3.

The Tipsoo Loop (Mountain View Estates) neighborhood has required more and more frequent pot hole repair to maintain the access roadways that serve this neighborhood and act as a bypass from SR 507 to Rainier Road. The proposed chip seal project will correct the flat cross slopes causing much of the road damage from the freeze/thaw cycles that occur during winter months and will provide a new driving surface to roadways that have not been resurfaced in over two decades. The Transportation Improvement Board (TIB) rating for these streets range from 44 (poor) to 28 (very poor). The City has previously secured \$180,000 from County/TRPC chip seal funds for this project and is applying for another \$225,000 from TIB for performing a full depth restoration of the subgrade prior to performing chip seal operations.

PROJECT LOCATION AND DETAILS – applicants may submit a map of the project or program/service area

Construction Projects	Project Location	<u>Tipsoo Loop N & S in NE portion City of Rainier</u>
	Type of Construction Project	<u>Chip Seal, road maintenance</u>
	Roadway Classification	<u>arterial & local collector</u>
	Length of Construction Project	<u>3 miles</u>
Vehicle Acquisition Projects	Number of Vehicles	<u></u>
	Type of Vehicle	<u></u>
Transportation Programs/Services /Studies	Delivery Area of Program/Service/Study	<u></u>
	Type of Program/Service/Study	<u></u>
	Duration of Program/Service/Study	<u></u>

PROJECT PHASING AND COSTS

Identify project phases and costs

	Phase	Cost
Construction Projects (mark the appropriate phase and enter cost)	Preliminary Engineering/Design: <input checked="" type="checkbox"/>	\$ \$20,000
	Right-of-Way: <input type="checkbox"/>	\$
	Construction: <input checked="" type="checkbox"/>	\$ \$423,300
Vehicle Acquisition Projects	Vehicle Purchase <input type="checkbox"/>	\$
	Transportation Programs, Services, or Studies Programs, Studies, or Services <input type="checkbox"/>	\$

*Construction proposals that include two or more project phases spanning more than one year **must include a separate application for each phase.**

YEAR OF OBLIGATION

FFY 2017 – 2019 Project Obligation

	2017	2018	2019
Select the preferred federal fiscal year the project <u>will</u> obligate*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Select an alternate federal fiscal year the project <u>could</u> obligate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

*Applicants are expected to obligate their project on time, as stated on this application and indicated on the award letter, if the project proposal is selected.

STP FUNDING REQUEST AND MATCHING REVENUES

Federal Funding Request and Match (non-federal share)

From Project Applicant*	Local funding or other sources	\$ 182991
	State funding	\$ 225000
	STP Grant Request	\$ 35309
Total Project/Phase Revenue		\$ 443300

*Applicants must provide a minimum of 13.5% non-federal share to federal share.

Example

Total Project Cost is \$100,000
Minimum non-federal share: \$13,500
Federal STP Funds: \$86,500

SUPPORT FOR THE REGIONAL TRANSPORTATION PLAN, SUSTAINABLE THURSTON OR OTHER REGIONAL INITIATIVES

Identify ways in which the proposed project supports the goals and policies of the Regional Transportation Plan, implementation of Sustainable Thurston transportation initiatives, or other regional initiatives. Examples of other initiatives include, but are not limited to, Urban Corridor Communities and associated District Plans, Healthy Kids Safe Streets Action Plan, South Thurston Economic Development Initiative, Walk and Roll, Commute Trip Reduction, I-5 Action Plan, Bountiful Byways, Smart Corridors.

The Tipsoo Loop Chip seal project for Tipsoo Loop N and S is intended to improve both neighborhood access to the properties of Mountain view Estates and provide a bypass route from SR 507 to Rainier Road. This project supports the goals of Sustainable Thurston, the Thurston Bountiful Byway and the South Thurston Economic development Initiative (STEDI). The project also supports several Regional Transportation goals that are outlined in greater detail in the project description on pages 3 and 4.

CERTIFICATION ACCEPTANCE

CA Agency and Representative Thurston County, Scott Davis, ^{Interim} County Engineer

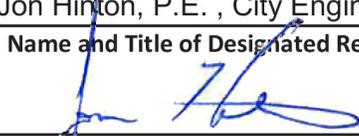
CA Signature and Date  10/17/16

Project Verification and Endorsement

This project proposal reflects established local funding priorities consistent with the Regional Transportation Plan. Costs represent accurate planning level estimates needed to accomplish the work described herein. The project described is financially feasible, and local match revenue identified above is available and will be committed to the project if it receives the requested STP grant. If selected, **the project will obligate funding by the date indicated on the award letter**; failure to do so may result in loss of funding for the project and funds will not be restored. I realize that the use of federal funds for this project entails administrative and project compliance requirements over which TRPC has no control, and for which this agency or organization will be responsible. This project has the full endorsement of the governing body/leadership of this agency or organization.

Jon Hinton, P.E., City Engineer

Name and Title of Designated Representative



Signature of Designated Representative

10/17/16

Date

Project Title: Tipsoo Loop Chip Seal Project

PROJECT DESCRIPTION & SIGNIFICANCE (2 PAGES MAX, 10 POINT FONT MINIMUM)

Using the space provided on pages 3 and 4 below, please address the following in your narrative: Describe the proposed project and why it is a regional funding priority, paying particular attention to benefits the proposal will deliver. Consider all modes of travel in your description. Identify any collaboration or partnership with other entities with a vested interest in this project. Note whether this project leverages previous work, such as an implementation phase of a previous study or design phase, or whether it lays the groundwork for subsequent implementation phases. Describe any efforts that will help ensure this project can meet its obligation commitments. Indicate how this proposal supports the goals and policies of the Regional Transportation Plan, the transportation initiatives in Sustainable Thurston, or other adopted community plans and goals.

The plat of Mountain View Estates is located in the northeast portion of the City of Rainier containing nearly 200 large acre lots and is one of the largest residential communities within the City limits. Tipsoo Loop N and Tipsoo Loop S provide access to properties within Mountain View Estates. Tipsoo Loop S also provides a road connection between that portion of SR 507 located on the east side of the City to 133rd Avenue SE and Rainier Road located on the north side of the City. Rainier Road is the main arterial connecting the City of Rainier to the Cities of Tumwater, Olympia and Lacey.

The Tipsoo Loop Chip Seal Project will reconstruct and resurface roadways in these areas to improve road cross slopes, consolidate road subgrades and provide a new driving surface for roads that are currently rated as being in poor condition by the State Transportation Improvement Board (TIB). The City of Rainier has included this project on their 6 year Transportation improvement plan for several years but has not been able to secure any funding to support the project until 2016. In late 2015 and early 2016 the Cities of Bucoda, Tenino and Rainier met and decided \$180,000 of the \$250,000 Rural Chip seal Program funds (allocated to provide road maintenance for these three south Thurston County communities) should be earmarked for the Tipsoo Loop Chip Seal Project. Because Tipsoo Loop N and S are not federally classified Thurston County Public Works has agreed to defederalize the \$35,309 of STP funding for this application, allowing the City to make this an eligible preservation project.

Applications were then prepared and discussions held with TIB to secure funding needed to perform the subgrade repair needed prior to the installation of the new chip seal driving surface. It was determined the best subgrade reconstruction would include grinding the existing chip seal driving surface, mixing those grindings with the existing subgrade and new crushed surfacing. The road crown and cross slope would then be reshaped to get water off of the roadway faster, reducing the standing water conditions that are promoting the current road deterioration. The current TIB application is requesting \$225,000 for constructing the road subgrade reclamation and, based on current poor TIB roadway ratings and discussions with TIB engineers, this project has a strong chance of being funded in November of 2016. If the TIB funding is not acquired the project can be scaled back to still complete most of Tipsoo Loop South.

The City is committed to improving these roadways that provide access to Gehrke Park and the properties of Mountain View Estates. The City will continue to contribute funds and apply for funds for this important road repair/reconstruction project until all of the roadways in this area are brought back to acceptable standards.

Regional Transportation Goals and Policies supported by this project:

Goal: Protect investments that already have been made in the transportation system and keep life-cycle costs as low as possible.

Goal 5 System Maintenance and repair

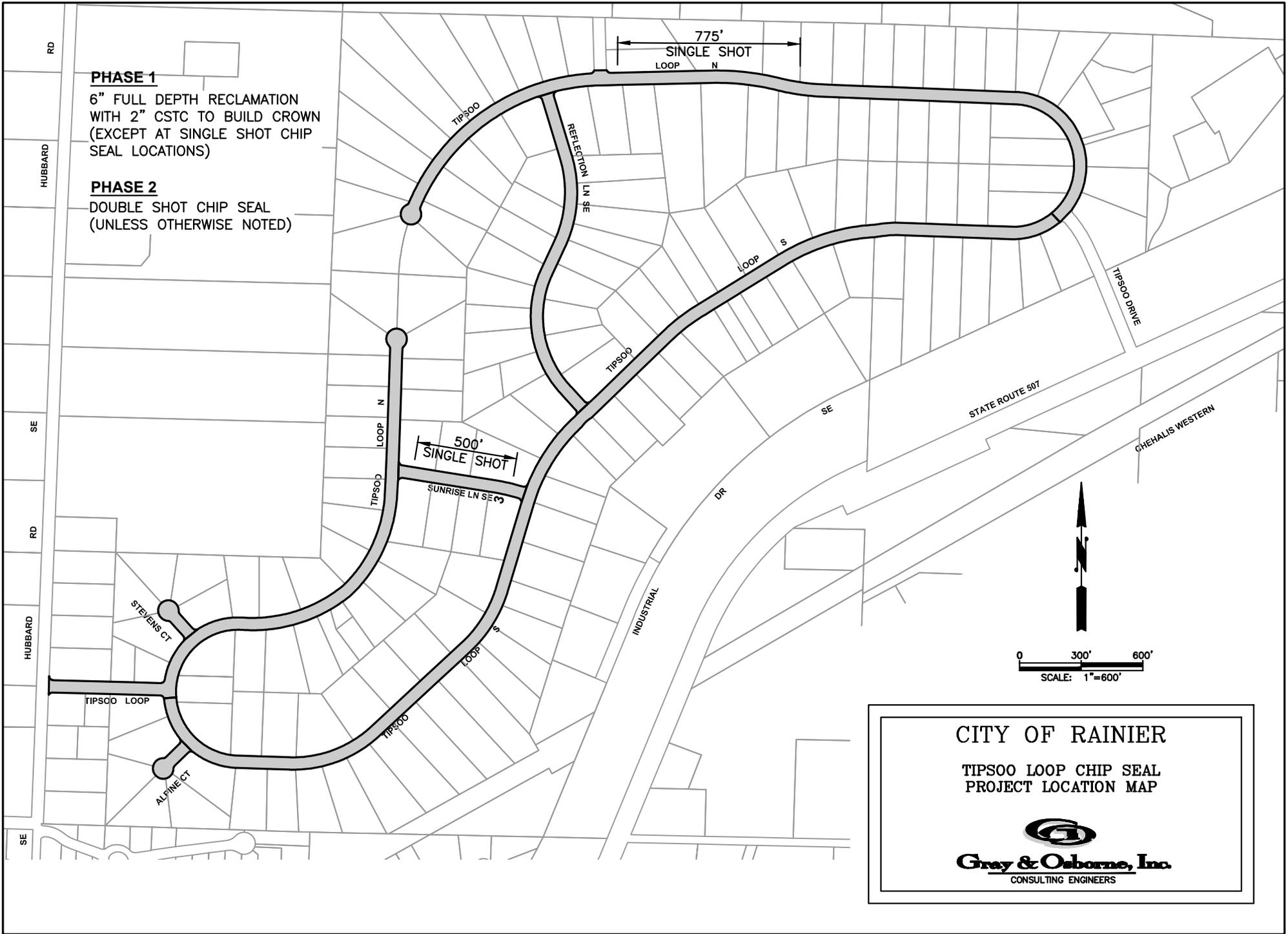
Project Title: Tipsoo Lop Chip Seal Project

PROJECT DESCRIPTION & SIGNIFICANCE (continued)

Policies:

5.a Prioritize maintenance, preservation, operations, and repair of existing transportation system.

5.b Use preventive maintenance programs to ensure lowest life-cycle costs.



PHASE 1
6" FULL DEPTH RECLAMATION
WITH 2" CSTC TO BUILD CROWN
(EXCEPT AT SINGLE SHOT CHIP
SEAL LOCATIONS)

PHASE 2
DOUBLE SHOT CHIP SEAL
(UNLESS OTHERWISE NOTED)

CITY OF RAINIER
TIPSOO LOOP CHIP SEAL
PROJECT LOCATION MAP



Gray & Osborne, Inc.
CONSULTING ENGINEERS

**CITY OF RAINIER
TIPSOO LOOP CHIP SEAL PROJECT
CONSTRUCTION COST ESTIMATE
7-Oct-16
G&O #20162.76**

Phase 1					
NO.	ITEM	QUANTITY		UNIT PRICE	AMOUNT
1	Minor Changes	1	CALC	\$ 500.00	\$ 500.00
2	SPCC Plan (S.P. 1-07.15(1))	1	LS	\$ 500.00	\$ 500.00
3	Mobilization, Cleanup & Demobilization	1	LS	\$ 10,000.00	\$ 10,000.00
4	Project Temporary Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
5	Pulverize, Grade, Shape and Compact Existing Asphalt Roadway	30,790	SY	\$ 5.00	\$ 153,950.00
6	Crushed Surfacing Top Course	3,560	TN	\$ 15.00	\$ 53,400.00
7	Erosion and Water Pollution Control	1	LS	\$ 1,000.00	\$ 1,000.00
	Subtotal:				\$224,350.00
	Sales Tax @ 0.0 % (W.S. Rev. Rule 171):				\$0.00
	Total Construction Cost Phase 1				\$225,000.00

Phase 2					
NO.	ITEM	QUANTITY		UNIT PRICE	AMOUNT
1	Single Shot Chip seal	2,720	SY	\$ 4.00	\$ 10,880.00
2	Double Shot Chip Seal	30,790	SY	\$ 5.40	\$ 166,266.00
3	Sweeping	1	LS	\$ 5,000.00	\$ 5,000.00
	Subtotal:				\$177,146.00
	Sales Tax @ 0.0 % (W.S. Rev. Rule 171):				\$0.00
	Total Construction Cost Phase 2				\$178,000.00

Total Construction Cost (Phase 1+ Phase 2)	\$403,000.00
10% Design and Construction Management	\$40,300.00
TOTAL PROJECT COST ESTIMATE(Phase 1 +Phase 2)	\$443,300.00

Assumptions:

Pulverize, Grade, Shape and Compact Existing Asphalt Roadway to a depth of 0.5 feet

2 inches of CSTC will be placed over the pulverized areas

Sunrise Ln between Tipsoo Lp S and Industrial Dr Se is not included in this project

500 feet of Sunrise Ln will receive only a single shot of Chip Seal Sunrise Ln

The 775 feet of Tipsoo Lp N east from the intersecon of Reflection Ln Se, will only recive a single shot of Chip Seal

Prepared By: Stephen C. Stewart, PE

Checked By: Jon M. Hinton, PE