

Regional STP Project Proposal



PROJECT TITLE: YELM HIGHWAY & MERIDIAN INTERSECTION PROJECT

2013 (10) CNTY-U

GENERAL PROJECT INFORMATION

Agency or Organization Thurston County
 Contact Person Dale Rancour
 Phone Number 867-2300
 Email Address rancoud@co.thurston.wa.us

Type of Transportation Partner (Check one)

Traditional Transportation Partner
 Non-Traditional Transportation Partner

Type of Project or Program (Check all that apply)

Safety	<input checked="" type="checkbox"/>
Preservation	<input type="checkbox"/>
Efficiency	<input checked="" type="checkbox"/>

Threshold Criteria

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

STATUS OF EXISTING FEDERAL PROJECTS

Does the applicant have any other regional STP projects underway? (yes or no) Yes
 Does the applicant have any other state selected federal projects underway? (yes or no) Yes
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

(Highlights of proposal identifying problem or need, how the proposal will address it, and anticipated benefits.)

- 4th highest crash rate of all 712 public road intersection in Thurston County
- Over 30% of crashes are injury crashes & 65% of all crashes are angle crashes
- Does not meet current rural adopted LOS requirements (part urban/rural intersection)
- Identified as assessment area in 2025 Regional Transportation Plan
- Identified in 2012 Thurston County Traffic Impact Study as a capacity project
- Narrow paved shoulders at intersection

Roundabout is proposed/preferred improvement; however, county policy will require a study to determine whether a signal or roundabout is most appropriate for this location. If a roundabout is constructed, expect 77% decrease in delay for existing conditions and 44% reduction in overall crashes. Other benefits include reduced speeds and access control near the intersection, improved pedestrian crossings and wide paved shoulders. This request is for design funds only.

PROJECT DETAILS

Project Type and Location

	Project Location	<u>Yelm Hwy SE and Meridian Rd SE</u>
Construction Projects	Type of Construction Project	<u>Safety</u>
	Roadway Classification	<u>Yelm Hwy -Urb. Princ. Art., Meridian (north) - Urb. Min. Art., Meridian (south) -Urb. Loc. Acc.</u>
	Length of Construction Project	<u>N/A - Intersection</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>

STP PROJECT PROPOSAL – PAGE 2

Project Cost and Phasing

	Total Cost	STP Request	Proposed Year of Obligation ¹
Construction Projects			
Preliminary Engineering/Design:	289,000	250,000	2013
Right-of-Way:	300,000	259,000	2016
Construction:	1,900,000	1,643,000	2018
Vehicle Acquisition Projects			
Capital Cost:			
Transportation Programs, Services, or Studies			
Project Implementation Cost:			

Project Phase Revenue (By obligation year, FFY)	2013	2014	2015-2016	2017-2018
	From Project Applicant	39,000		41,000
Local State				
Requested STP Grant	250,000		259,000	1,643,000
Total Project Phase Revenue	289,000		300,000	1,900,000

SUPPORT FOR RECOGNIZED REGIONAL INITIATIVES

Identify any ways in which the proposed project supports existing regional initiatives. Examples of such initiatives include, but are not limited to, Sustainable Thurston, Urban Corridor Communities, Healthy Kids Safe Streets, South Thurston Economic Development Initiative, Walk and Roll, Commute Trip Reduction, I-5 Action Plan.

- 2025 Regional Transportation Plan
- 2010 Washington State's Strategic Highway Safety Plan - Target Zero (Intersections are 2nd Priority). Note Intersections are a priority 1 in the draft 2013 TZ Plan.
- Sustainable Thurston (reduced greenhouse gas emissions & improved stormwater control, energy efficient lighting)

CERTIFICATION ACCEPTANCE

CA Agency and Representative THURSTON CO. - DALE RANCOUR
 CA Signature and Date Dale Rancour 3/20/13

Project Verification and Endorsement

This project proposal reflects established local funding priorities consistent with the Regional Transportation Plan. Costs and timelines 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 on the schedule described above; failure to do so may result in loss of funding for the project. 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.

DALE RANCOUR - COUNTY ENGINEER
 Name and Title of Designated Representative

Dale Rancour
 Signature of Designated Representative

3/20/13
 Date

¹ Federal Fiscal Year funds must obligate no later than August 1 of that year; failure to do so will result in sanctioning of funds.

Project Title: YELM HIGHWAY & MERIDIAN INTERSECTION PROJECT

PROJECT DESCRIPTION & SIGNIFICANCE (2 PAGES MAX, INCLUDING ILLUSTRATIONS OR MAPS)

Describe the proposed project and why it is regionally significant, paying particular attention to anticipated benefits to be realized. Include 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 if this project is already identified in any local transportation plan, Regional Transportation Plan, Transportation Improvement Program, or other list of projects subject to public review and comment.

Request

- Design (PE) funds only. PE funds can be obligated immediately. The project includes replacing a two-way stop controlled intersection with a roundabout and other associated appurtenances (i.e., lighting, stormwater control, paved shoulders, pedestrian crossings, etc...). The intersection is located at the future transition point between the urban and rural areas of Thurston County. Currently the character is mostly rural.

National Priorities

- NHS Routes - Yelm Hwy at Meridian is a highway of national significance
- Roundabouts are a proven safety strategy (<http://safety.fhwa.dot.gov/provencountermeasures>)

Statewide Priorities

- System Safety - 2010 Washington State's Strategic Highway Safety Plan - Target Zero (Intersections are 2nd Priority Level)

Regional Priorities

- Regionally Significant Projects - 2025 Regional Transportation Plan – Assessment Area L3
- Multimodal – 2025 RTP Goal 2, 11 – Wide shoulder to be provided where none exists now.
- System Safety – 2025 RTP Goal 4 - 4th highest crash rate among 715 public road intersections in Thurston County
- System Components – 2025 RTP Goal 9 – Existing operating delays will reduce by 77%

Previous work

- System Safety - 2007 Safety Study - Illumination added
- System Components - 2012 Impact Fee Study – identified future capacity project
- System Safety - 2013 Low Cost Safety Improvements (lighting and channelization modifications)

Capital Planning

- 2013-2018 Thurston County Capital Facilities Plan approved in December 2012

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PROJECT DESCRIPTION & SIGNIFICANCE (2 PAGES MAX, INCLUDING ILLUSTRATIONS OR MAPS)

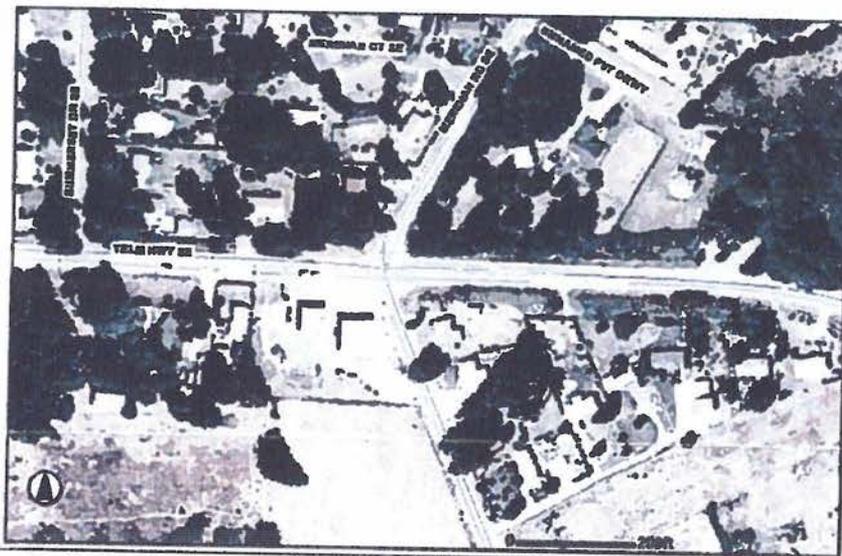
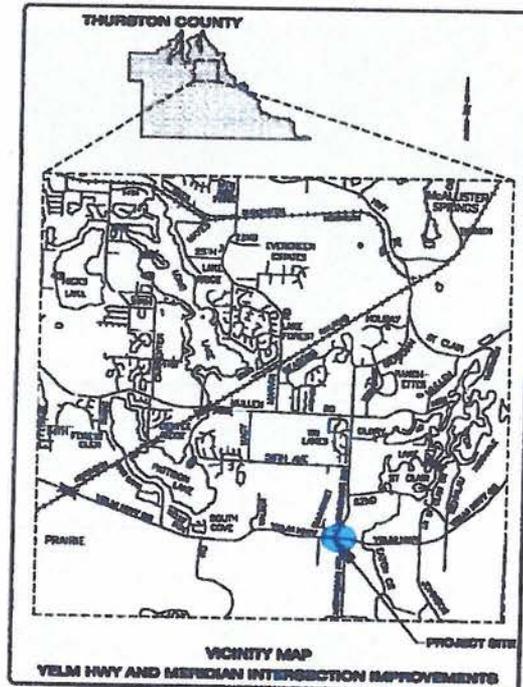
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Other Funding Sources

- Thurston County Impact Fee Program

Benefit Summary

- Mobility - 77% reduction in existing delays
- Safety - 44% in overall crashes
- Multimodal - Improved bicycle facilities
- Multimodal - Improved pedestrian crossings
- Sustainability - Improved stormwater control
- Sustainability - Reduced vehicle emissions
- Sustainability - Energy efficient lighting



Thurston County Federal Funded Project List

March 2013

Project Name	Federal Aid No.	County Project No.
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Following is a list of federally (FHWA) funded projects with amount awarded and status. Two projects (Vail Road and Yelm Highway) are working on project close out, with construction funds obligated and spent.

Other projects are progressing on schedule and will be seeking to obligate construction funds soon.

Projects that are more recent (Bald Hill (Smith Prairie to Owl Pit) and Rich Road(87th to Normandy) are moving forward on design and are on schedule for obligations for right of way and construction. This will free up design staff to begin on new projects as have been submitted in the current call for projects.

Thurston County Federal Funded Project List

March 2013

Run-Off-Road & Intersection Safety		HSIP000S(265)		61458
Funding Source	HSIP	PE	2010	
Award Year	2010	RW	N/A	
Status	PE	CN	June 2013	
Various stages of project is awaiting CN obligation at WSDOT				
Grant Amount	\$1,600,000	Total Project	\$1,600,000	

Project Name		Federal Aid No.		County Project No.
Run-Off-Road & Intersection Safety		HSIP000S(265)		61458
Funding Source	HSIP	PE	N/A	
Award Year	2013	RW	N/A	
Status	PE	CN	July 2013	
One stage in design others awaiting construction obligation by WSDOT				
Grant Amount	\$2,140,000	Total Project	\$2,140,000	

Project Name		Federal Aid No.		County Project No.
Rich Road 87th to Normandy		STPUS-5271(001)		61460
Funding Source	STP Regional	PE	September 2011	
Award Year	2011	RW	2014	
Status	PE	CN	2015	
In design				
Grant Amount	\$1,311,300	Total Project Estimate	\$1,520,000	

Thurston County Federal Funded Project List

March 2013

Project Name		Federal Aid No.		County Project No.
Bald Hill Smith Prairie to Owl Pit		STPR-H345(003)		61472
Funding Source	STP Regional	PE	September 2011	
Award Year	2011	RW	2014	
Status	PE	CN	2015	
In design				
Grant Amount	\$2,066,155	Total Project Estimate		\$2,400,000

Project Name		Federal Aid No.		County Project No.
Bridging the Gap III		HPP-2034(065)		61435
Funding Source	HPP/STPR/STPE	PE	September 2010	
Award Year	varies	RW	July 2012	
Status	RW	CN	2013	
Finalizing right of way acquisition				
Grant Amount	\$3,623,000	Total Project Estimate		\$4,300,000

Project Name		Federal Aid No.		County Project No.
Rich Road Deschutes to 87 th Ave		STPR-F341(004)		61321
Funding Source	STP Regional	PE	N/A	
Award Year	2011	RW	N/A	
Status	CN	CN	September 2011	
In winter shutdown				
Grant Amount	\$1,797,800	Total Project Estimate		\$3,550,000

Thurston County Federal Funded Project List

March 2013

Project Name		Federal Aid No.		County Project No.
Vail Road		STPR-G343(007)		61365
Funding Source	STP Regional and HSIP	PE	April 2005	
Award Year	2004/2009	RW	N/A	
Status	CN	CN	July 2010	
Physically complete, working through a claim by contractor.				
Grant Amount		Total Project Estimate		
\$1,607,000/\$300,000 = \$1,907,000		\$3,880,000		

Project Name		Federal Aid No.		County Project No.
93 rd and Lathrop		Not obligated, no FA No.		61196
Funding Source	STP Regional	PE	N/A	
Award Year	2006	RW	N/A	
Status	Ready for CN	CN	2013	
Bid documents are almost complete.				
Grant Amount		Total Project Estimate		
\$255,000		\$425,000		

Project Name		Federal Aid No.		County Project No.
Yelm Highway Phase V		STPUS-5252(009)		61192
Funding Source	STP Regional	PE	N/A	
Award Year	2007	RW	N/A	
Status	CN	CN	January 2010	
Physically complete, working on project closure.				
Grant Amount		Total Project Estimate		
\$3,900,000		\$17,889,341		