

CLACKAMAS COUNTY BOARD OF COUNTY COMMISSIONERS

Study Session Worksheet

Presentation Date: March 24, 2015
Approx Start Time: ~~11:00 AM~~ 1:30P
Approx Length: 15 minutes

Presentation Title: All Roads Transportation Safety (ARTS) Grant Applications to the Oregon Department of Transportation (ODOT) for Federal Fiscal Years 2017-2021

Department: DTD-Engineering

Presenters: Karen Buehrig, Transportation Planning Supervisor and Christian Snuffin, Traffic Engineer

Other Invitees: Mike Bezner, DTD Assistant Director – Transportation

WHAT ACTION ARE YOU REQUESTING FROM THE BOARD?

Should DTD apply to ODOT to complete up to two rural safety corridor projects and four urban arterial safety projects through the All Roads Transportation Safety Program for 2017-2021?

EXECUTIVE SUMMARY:

As part of the national Toward Zero Deaths campaign, the Federal Highway Administration is encouraging a focus on the transportation safety of all roads, blind to jurisdictional boundaries. To support this, ODOT initiated the All Road Transportation Safety (ARTS) Program and is dividing \$50 million statewide through the five ODOT regions to be split evenly between systemic and "hotspot" projects. Of the total funds, 30% will be directed to reduce roadway departure crashes, 49% for urban and rural intersections and the remaining 21% for bicycle and pedestrian projects. ODOT is accepting funding applications for Federal Fiscal Years 2017-2021. Successful agencies will be responsible for a 7.78% dollar match. Applications are due to ODOT by March 27, 2015.

ODOT analyzed all roadways in the state and provided agencies with a "300%" list of projects that met minimum criteria, along with a menu of 90 different countermeasures rated with a "Crash Reduction Factor," which provides the basis for determining a benefit to cost ratio. ODOT has asked agencies to review the project lists and identify Crash Reduction Factors that will provide the highest benefit to cost ratio. The most competitive projects will have the highest benefit to cost ratio and will advance through the project selection process until a final project list is approved. Typical roadway departure crash treatments include curve signing and delineation. Intersection treatments include signing enhancements and advanced signing. Signalized intersection treatments include reflectorized backplates and signal timing changes.

Based on the ODOT criteria and the 300% project list, staff evaluated the County road system and developed a project scope for 42 rural corridors and four urban corridors. Roadway departure and intersection crash countermeasures will result in the highest benefit to cost ratio on these corridors. The proposed projects include:

- Rural Roadway Departure Corridors
 - Includes 33 corridors (see Table 1)
 - Countermeasure: Curve Signs (chevrons)

- Estimated project cost: \$1,255,100
 - Estimated County match: \$97,647
- Rural Intersection Corridors
 - Includes 42 corridors (see Table 1)
 - Countermeasure: Enhanced warning signs and pavement markings
 - Estimated project cost: \$837,900
 - Estimated County match: \$65,189
- Sunnybrook Blvd
 - From 84th Ave to 97th Ave
 - Countermeasures: Signal Improvements including pedestrian countdown timers and adaptive signal timing
 - Estimated project cost: \$627,200
 - Estimated County match: \$48,796
- Sunnyside Road
 - From Valley View Terrace to 172nd Ave
 - Countermeasures: Signal Improvements including pedestrian countdown timers and adaptive signal timing
 - Estimated project cost: \$796,600
 - Estimated County match: \$61,975
- Johnson Creek Blvd
 - From Flavel/Linwood to 92nd Ave
 - Countermeasures: Improvements including pedestrian countdown timers and beacons, curb and ramp improvements, signal upgrades and adaptive signal timing
 - Estimated project cost: \$960,400
 - Estimated County match: \$74,719
- Oatfield Road
 - From Aldercrest Rd to Jennings Ave
 - Countermeasures: Improvements including pedestrian countdown timers and beacons, curb and ramp improvements, and signal upgrades
 - Estimated project cost: \$691,600
 - Estimated County match: \$53,806

All of these projects are in alignment with the goals of the *Clackamas County Transportation Safety Action Plan* and many fall within road safety audit corridors as identified in the Transportation System Plan.

FINANCIAL IMPLICATIONS (current year and ongoing):

If ODOT were to award Clackamas County for all of the proposed projects, the total maximum project cost would be approximately \$5,168,800. The required match of 7.78% would total approximately \$402,132 from County Road Fund. The projects would occur over the span of five years during the federal fiscal funding years of 2017-2021. All traffic control devices that are installed would require regular maintenance.

LEGAL/POLICY REQUIREMENTS:

N/A

PUBLIC/GOVERNMENTAL PARTICIPATION:

N/A

OPTIONS:

1. Authorize DTD to apply for the All Roads Transportation Safety Grant for Federal Fiscal Years 2017-2021 allowing for a match amount up to \$402,132.
2. Authorize DTD to apply for the All Roads Transportation Safety Grant for Federal Fiscal Years 2017-2021 allowing for a match amount of less than \$402,132.
3. Do not authorize DTD to apply for the All Roads Transportation Safety Grant.

RECOMMENDATION:

Staff respectfully recommends that the Board authorize DTD to apply to ODOT for the All Roads Transportation Safety Grant for Federal Fiscal Years 2017-2021.

ATTACHMENTS:

Table 1: All Roads Transportation Safety Proposed Project Corridors

SUBMITTED BY:

Division Director/Head Approval



Department Director/Head Approval



County Administrator Approval



For information on this issue or copies of attachments,
please contact Karen Buehrig @ 503-742-4683

TABLE I.
 ODOT ARTS Grant Application
 Proposed Urban Rural Corridors

Corridor	Location		Roadway Departure Corridor	Intersection Corridor
	From	To		
Advance Rd	Mountain Rd	Wilsonville Rd/Stafford Rd	✓	✓
Amisigger Rd	OR 224	Kelso Rd	✓	✓
Bakers Ferry Rd	Springwater Rd	OR 224	✓	✓
Barlow Rd	Knights Bridge Rd	Marion County Line	✓	✓
Barlow Trail Rd	Sleepy Hollow Dr	Lolo Pass Rd	✓	✓
Barnards Rd	OR 213	Barlow Rd		✓
Beavercreek Rd	Union Mills Rd	OR 213		✓
Canby-Marquam Hwy	OR 211	Goods Bridge		✓
Carus Rd	Lower Highland Rd	Central Point Rd	✓	✓
Central Point Rd	Mulino Rd	Parish Rd	✓	✓
Clackamas River Dr	0.10 mi S of Melinda St	Springwater Rd	✓	✓
Dryland Rd	OR 213	Harms Rd	✓	✓
Eaden Rd	Bakers Ferry	Springwater Rd	✓	✓
Eagle Creek Rd	OR 211	Strubhar Ln	✓	✓
Firwood Rd	US 26	Wildcat Mountain Dr	✓	✓
Fischers Mill Rd	Redland Rd	Springwater Rd	✓	✓
Forsythe Rd	Park Place Ct	Cliffview Rd	✓	✓
Gronlund Rd	Bradley Rd	Hattan Rd	✓	✓
Harding Rd	Bakers Ferry	Fischers Mill		✓
Hattan Rd	Springwater Rd	Fischers Mill	✓	✓
Henrici Rd	OR 213	Redland Rd	✓	✓
Hoffman Rd	Mountain Rd	Petes Mtn Rd	✓	✓
Kamrath Rd	Beavercreek Rd	Spangler Rd	✓	✓
Kelso Rd	Amisigger Rd	Richey Rd		✓
Kelso Rd	Richey Rd	Bluff Rd	✓	✓
Lolo Pass Rd	US 26	NF 1825	✓	✓
Lusted Rd	Ten Eyck Rd	Multnomah County Line	✓	✓
Maplelane Rd	Beavercreek Rd	Ferguson Rd	✓	✓
Meridian Rd	Lone Elder Rd	Barlow Rd	✓	✓
Mountain Rd	Stafford Rd	Canby Ferry	✓	✓
New Era Rd	Haines Rd	Leland Rd		✓
Orient Dr	End of Ramp from US 26	Multnomah County Line	✓	✓
Petes Mtn Rd	Hoffman Rd	West Linn CL		✓
Redland Rd	Springwater Rd	Holcomb Blvd	✓	✓
Schaeffer Rd	Mountain Rd	Petes Mtn Rd	✓	✓
Springwater Rd	Clackamas River Dr	Tucker Rd		✓
Stafford Rd	Boeckman Rd	N. of Rosemont	✓	✓
Ten Eyck Rd	US 26	Lusted Rd	✓	✓
Union Mills Rd	OR 213	OR 211/Beavercreek Rd		✓
Upper Highland Rd	OR 211	Beavercreek Rd	✓	✓
Wildcat Mountain Dr	Keegan Rd	ECM	✓	✓
Wilsonville Rd	Yamhill County Line	Willamette Way	✓	✓