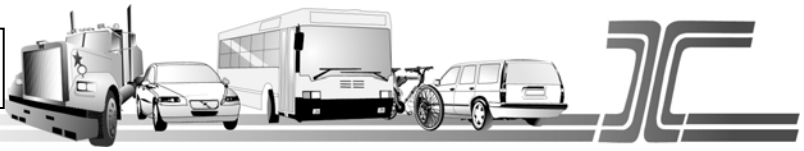
Oregon DEPARTMENT OF TRANSPORTATION Region 2



Project Information Paper:
Region 2 Centerline Rumble Strip Project (Units 1 and 2)

Project Location:
The project has been divided into Units 1 and 2 and is located on various state highways in ODOT Region 2.

Project Purpose and Need:
During the spring of 2010, Oregon participated with the Federal Highway Administration (FHWA) to develop a plan for reducing roadway departure crashes in Oregon. This type of crash occurs when (for whatever reason) a vehicle leaves its lane and occupants are killed or injured after hitting a stationary object like a tree or power pole, or collides head on with another vehicle. Roadway departure crashes account for approximately 66% of all fatalities in Oregon. Data analysis of Oregon crashes was used to identify locations where cost-effective strategies such as rumble strips could be used to achieve an approximate 20% reduction in roadway departure fatalities. This systematic approach involves deploying large numbers of relatively low cost, cost-effective countermeasures on targeted segments of road with a history of roadway departure crashes.

Project Solution / Description
Rumble strips are a proven safety countermeasure for reducing fatal and serious injury roadway departure crashes. They can be installed on the shoulder to reduce run-off-road crashes and/or on the centerline to prevent head-on and sideswipe meeting crashes. However, a design may need to be modified for highways with significant volumes of recreational and bicycle traffic. Centerline Rumble Strips (CLRS) – are used to reduce head-on, and run-off-road left crashes. They are placed near (or on) the centerline of the roadway and can be a single or double line of rumble strips. There is relatively little noise associated with center line rumble strips.

This project will install centerline rumble strips on the following state highway segments in the table and map below:

CL Rumbles KN 18424 Projects Summary					
Region 2 Centerline Ruble Strips (Unit 1)					
District	Route Number	Highway Number	Project Limits	Miles	Proposed Unit 1 Construction Contracts
1	US-26	47	-010 - 37.36	37.37	Contract #1
1	US-30	2W / 092	37.34 - 45.87	8.53	
1	US-30	2W / 092	62.24 - 94.67	32.43	
Region 2 Centerline Ruble Strips (Unit 2)					
District	Route Number	Highway Number	Project Limits	Miles	Proposed Unit 2 Construction Contracts
3	OR-22	30	0.00 - 12.70	12.7	Contract #2
5	OR-126W	62	14.42 - 32.55	18.13	
5	OR-126E	15	8.82 - 19.84	11.02	
			Miles sum:	**120.18**	
			Miles Target:	150	

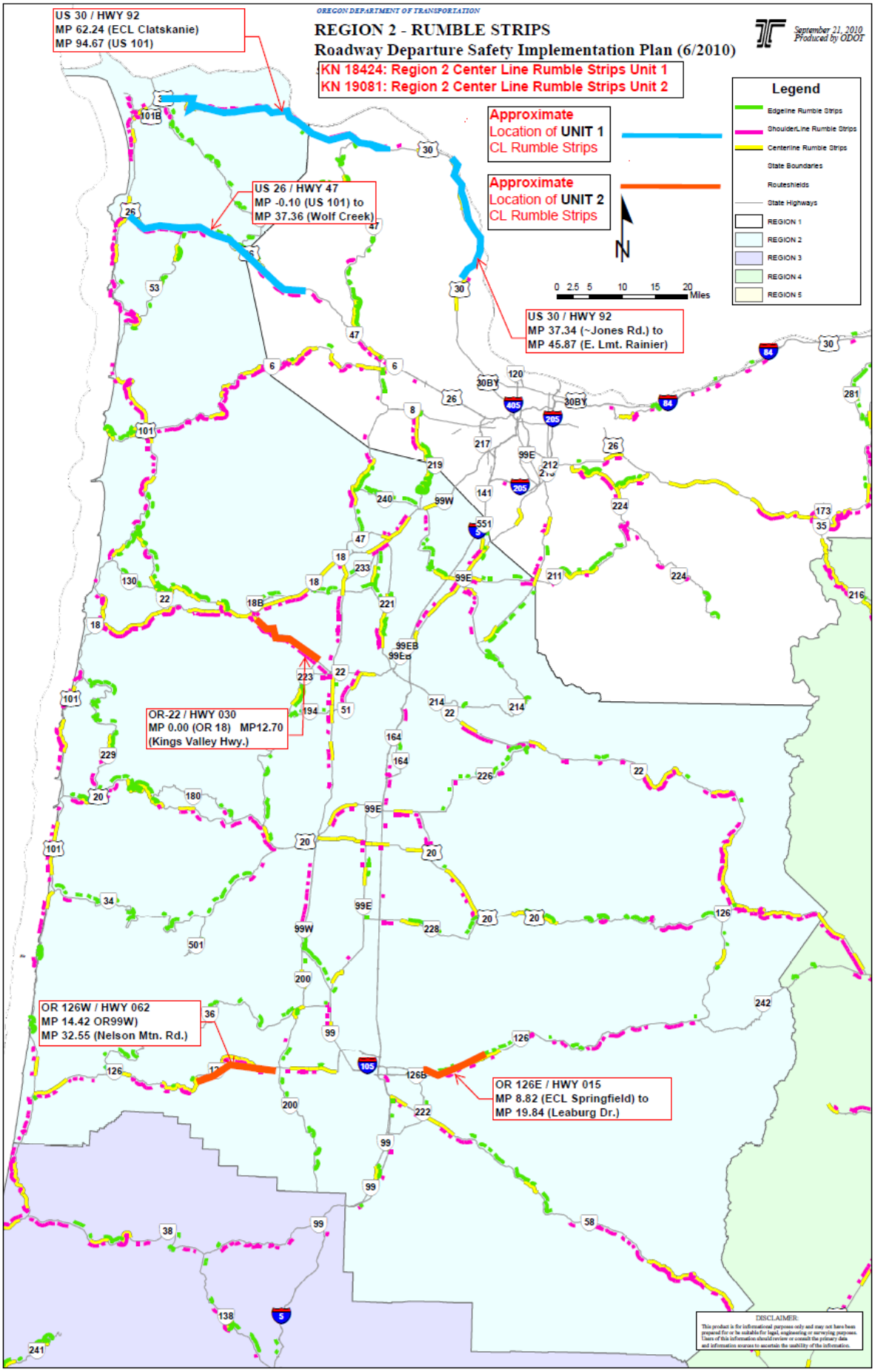
NOTES Date: 12.09.13

1) Target Miles estimated as follows:
All construction must be completed by the end of August 2014 in order to complete 3rd note by September 30, 2014 .
This leaves ~ 2 months for construction (June, July).
~ 2 months, say 10 weeks.
10 weeks * 5 days/wk = 50 days
50 days * 3-4 miles/day = 150-200 miles
Given the restrictions detailed on worksheet 3, the closest the mileage can come to the target is 120 miles.

2) Sections that will need fog seal will need to be complete in June, and total approximately 42 miles.

3) Sections that are in good condition can be completed in June or July, total of approximately 86 miles.

4) Other restrictions and required fog seal are noted in Worksheet #3, "Restriction Times Layout"


OREGON DEPARTMENT OF TRANSPORTATION
REGION 2 - RUMBLE STRIPS
Roadway Departure Safety Implementation Plan (6/2010)
September 21, 2010
Produced by ODOT
KN 18424: Region 2 Center Line Rumble Strips Unit 1
KN 19081: Region 2 Center Line Rumble Strips Unit 2
US 30 / HWY 92
MP 62.24 (ECL Clatskanie)
MP 94.67 (US 101)
US 26 / HWY 47
MP -0.10 (US 101) to
MP 37.36 (Wolf Creek)
US 30 / HWY 92
MP 37.34 (~Jones Rd.) to
MP 45.87 (E. Lmt. Rainier)
OR-22 / HWY 030
MP 0.00 (OR 18) MP12.70
(Kings Valley Hwy.)
OR 126W / HWY 062
MP 14.42 OR99W)
MP 32.55 (Nelson Mtn. Rd.)
OR 126E / HWY 015
MP 8.82 (ECL Springfield) to
MP 19.84 (Leaburg Dr.)
Approximate
Location of UNIT 1
CL Rumble Strips
Approximate
Location of UNIT 2
CL Rumble Strips
Legend
Edgeline Rumble Strips
Shoulder Line Rumble Strips
Centerline Rumble Strips
State Boundaries
Routeshields
State Highways
REGION 1
REGION 2
REGION 3
REGION 4
REGION 5
0 2.5 5 10 15 20 Miles
DISCLAIMER:
This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Cost of Project:
ODOT's planning level estimate indicates a total project cost of engineering and construction of approximately $2.8 million.

Public Involvement:
The project does not affect local access to the highway or impact local populated areas except during construction. There will be temporary construction noise lasting only about an hour at any point on the affected highway associated with grinding equipment used to install the rumble strips.. Accordingly, the project approach allows for communication with local county public works departments and news media via this project information paper and updates at times indicated by the contractor's schedule..

Emergency Services to be Consulted & Notified:
Local fire districts and police departments and County Sheriffs, Oregon State Police.

Projected Construction Schedule:
Construction of this project is expected to occur in the 2014 construction season starting in late May or early June and possibly lasting until the end of August.

For more information on this project, please contact:

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