



ODOT Work Zone Project Coordination

FHWA Webinar
September 24, 2012

Tony Coleman, OPMA
Oregon Department of Transportation



Presentation Overview

- Background of ODOT Region 1 Construction Coordination Team and Purpose
- ODOT Regions & Critical Route Pairs
- Region Mobility Schedule
- Region 1 and 2 Recommended Delay Thresholds for Coastal Highways
- Example: Region 1 & 2 Coastal Corridor Coordination
- Questions and Feedback



Background

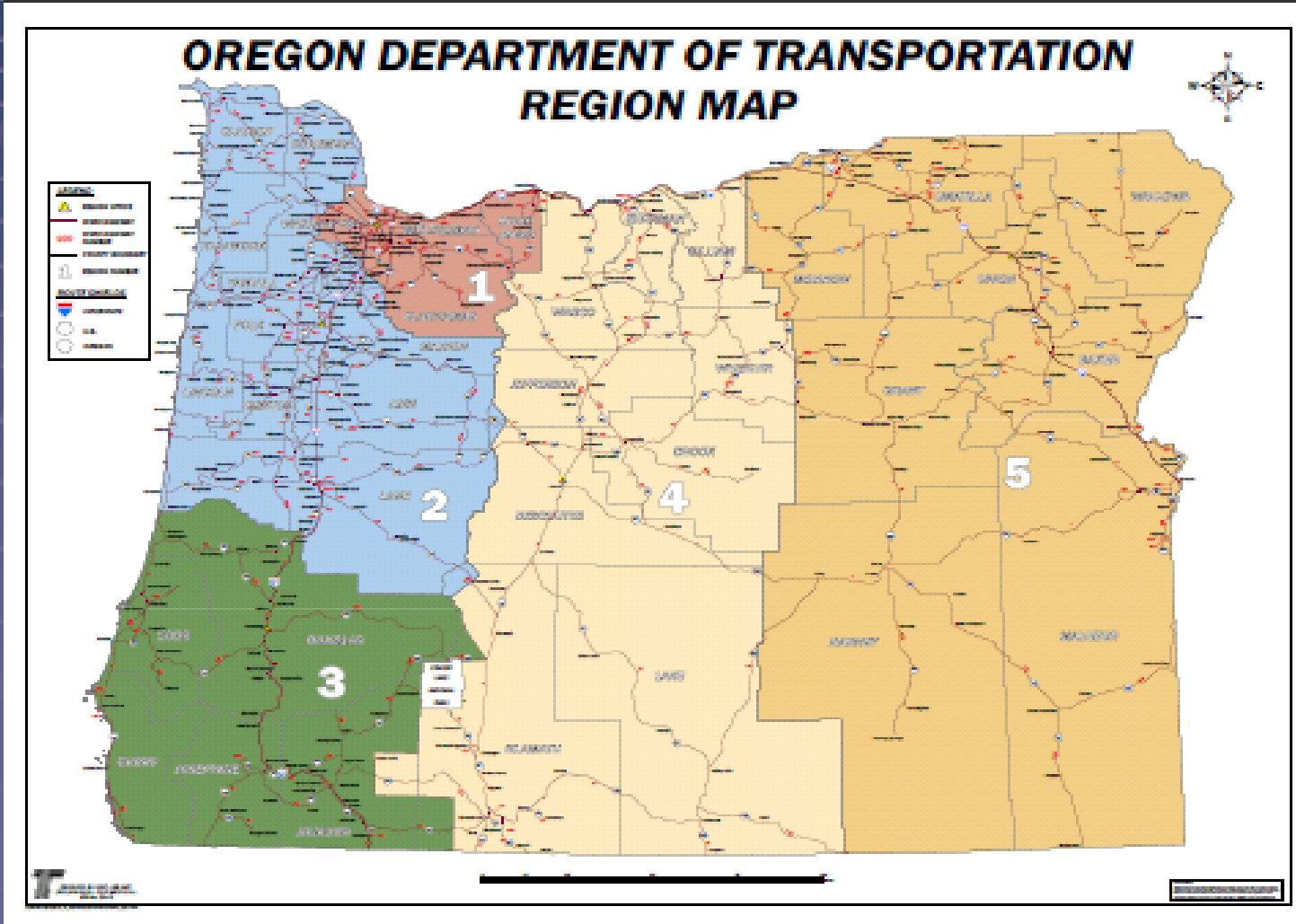
Who's Working on Work Zone Coordination/Mobility ?

Region 1 Construction Coordination Team

- Construction Engineer (Lead)
- Region Mobility/Construction Liaison
- Area Managers
- Maintenance District Managers
- Community Affairs Manager & Staff
- Traffic Management Operations Center Manager & Staff
- Project Managers
- Traffic Manager & Staff
- Project Delivery Manager

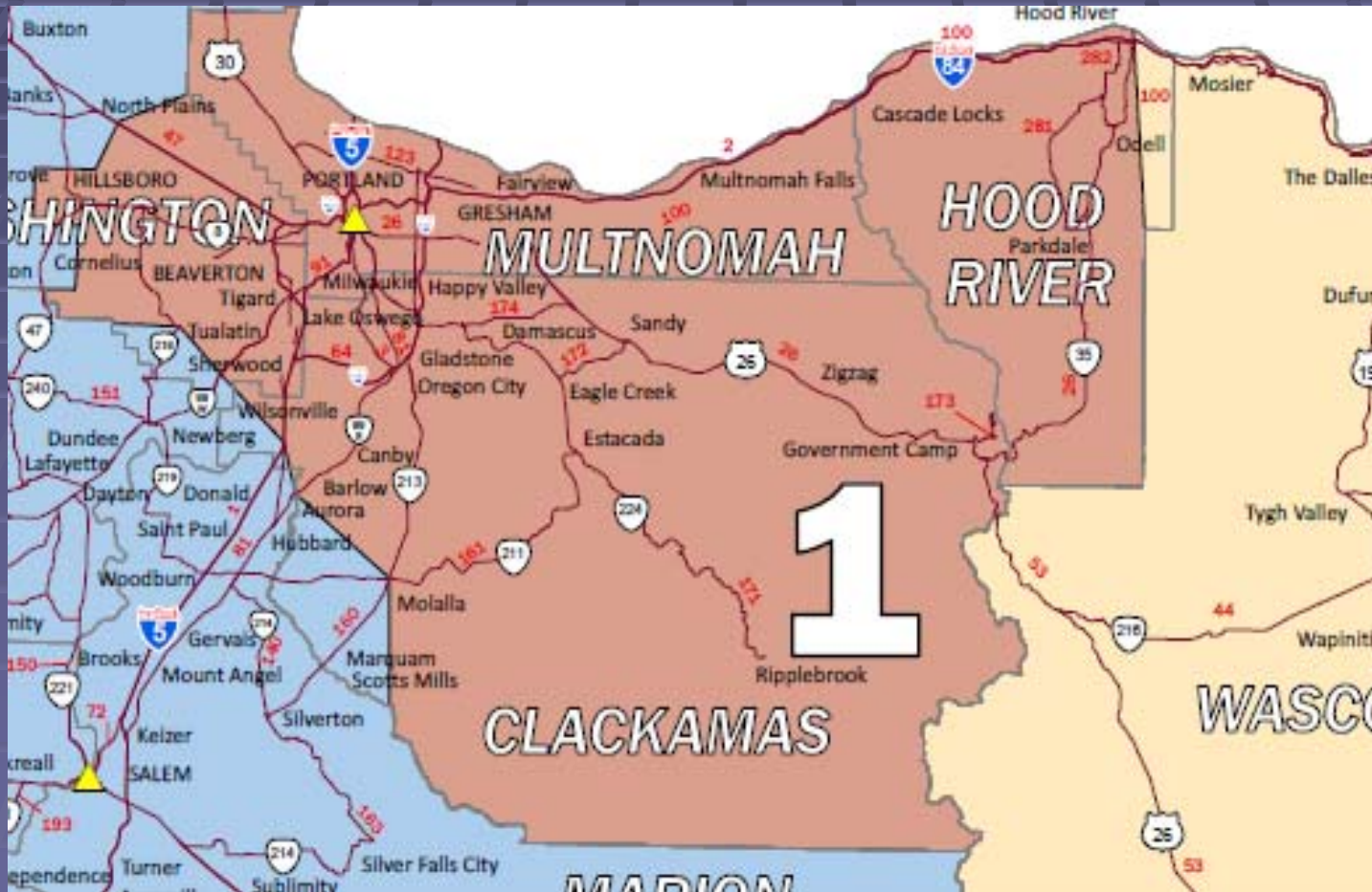


ODOT Regions





ODOT Region 1







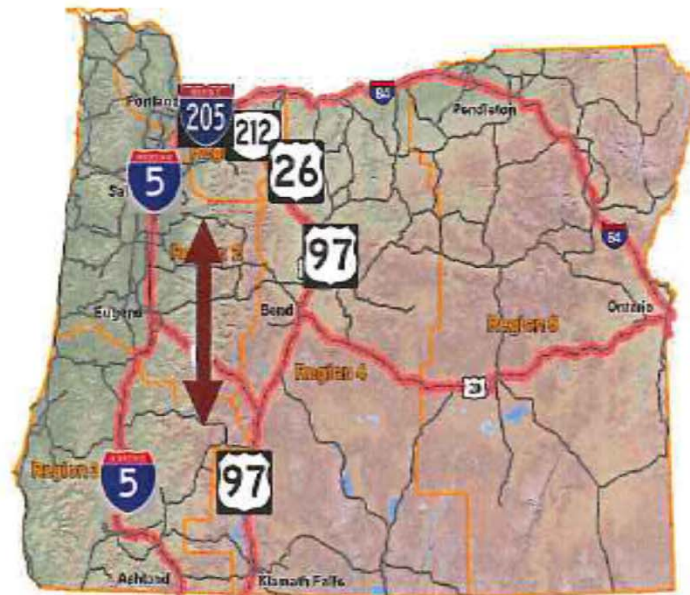


Critical Route Pairs

Coordinate work affecting critical route pairs to maintain unrestricted freight routes

North-South Corridor

Interstate 5 paired with:    
OR212, US26, US97 between Washington and California





Critical Route Pairs

OTIA III State Bridge Delivery Program Management & Design

Corridor-Level Traffic Management Plan (TMP)

**I-5 North/OR 58 Corridor
Washington State Line to US 97
(Chemult, OR)**



oregon bridge delivery partnersSM



Critical Route Pairs

Coordinate work affecting critical route pairs to maintain unrestricted freight routes

East-West Corridor

Interstate 84 paired with:       
OR212, US26, US20, OR78, US95 between Portland and Ontario





Critical Route Pairs

OTIA III State Bridge Delivery Program Management & Design

Corridor-Level Traffic Management Plan (TMP)

**I-84 Corridor
I-5 (Portland, OR) to
Idaho State Line**



oregon bridge delivery partnersSM



Critical Route Pairs

OTIA III State Bridge Delivery Program Management & Design

Corridor-Level Traffic Management Plan (TMP)

**US 26/US 97 Corridor
I-205 (Clackamas) to
California State Line**



oregon bridge delivery partnersSM

Revision – December 29, 2005



Critical Route Pairs

Coordinate work affecting critical route pairs to maintain unrestricted freight routes

East-West
Corridor

US30 paired with: 26

US26 between Portland and the Coast





Critical Route Pairs

OTIA III State Bridge Delivery Program

Oregon Department of Transportation
OTIA III State Bridge Delivery Program

**Corridor-Level Traffic Management Plan
(TMP): Coastal Network**



oregon bridge delivery partners™



Region Mobility Schedule

| Region Mobility Schedule | | | | | | | | | |
|--------------------------|-------------|--------------|---|-----------------|---------------|---------------|--------------------|---------------------|-------------------------|
| ID | Key No. | Contract No. | Task Name | Mile Post Begin | Mile Post End | PM | Start | Finish | Qtr 2, 2008 Apr Ma |
| 1 | 2 | 0 | I-5 Projects | 283.21 | 306.73 | | Thu 5/6/10 | Fri 6/28/13 | |
| 2 | 14949 | 14225 | I-5: Iowa Viaduct | 298.09 | 298.39 | Statler | Thu 5/6/10 | Fri 6/28/13 | |
| 3 | 15140 | 14304 | I-5: Holladay-Marquam & I-405: Fremont Bridge | 300.92 | 301.98 | Beeson | Thu 2/10/11 | Thu 9/27/12 | |
| 4 | | | | | | | | | |
| 5 | 6 | 0 | I-84 Projects | 5.5 | 82.08 | | Wed 2/24/10 | Mon 11/30/15 | |
| 6 | 14032 | 14165 | Bundle 210 - Sandy River Bridge EB/WB | 17.68 | 17.68 | OBDP - Barnhe | Wed 2/24/10 | Fri 11/29/13 | |
| 7 | 11017 | 14401 | HCRH State Trail: JB Yeon - Moffett Creek | 37.52 | 39.02 | Beeson | Thu 10/27/11 | Fri 10/18/13 | |
| 8 | 17168 | 0 | I-84: Bridge Deck Overlays | 35.06 | 42.05 | Beeson | Thu 10/18/12 | Mon 9/30/13 | |
| 9 | 16267 | 0 | I-84: MLK Blvd. - I205 | 0.40 | 5.60 | Earlywine | Thu 11/8/12 | Fri 5/31/13 | |
| 10 | 16846 | 0 | I-84 EB to I-205 NB Aux Lane | 5.5 | 6.6 | Frietag | Thu 3/7/13 | Wed 5/28/14 | |
| 11 | 17541 | 0 | I-84 at Troutdale Interchange | 16.58 | 17.35 | Beeson | Thu 11/14/13 | Mon 11/30/15 | |
| 12 | | | | | | | | | |
| 13 | 6 | 0 | US26 (East) Projects (Route Exceptions Req'd) | 3.52 | 40.01 | | Thu 10/6/11 | Thu 8/22/13 | |
| 14 | 17483 | 14393 | US26: MP 22.5 - Luzon Ln. | 22.5 | 26.33 | Beeson | Thu 10/6/11 | Thu 10/11/12 | |
| 15 | 13717 | 0 | US26: MP 49.60 - MP 50.00 (Rockfall) | 49.20 | 50.00 | Statler | Thu 5/10/12 | Wed 11/28/12 | |
| 16 | 15051 | 0 | US26: SE 122nd - SE 136th | 7.21 | 7.0 | Beeson | Thu 7/26/12 | Tue 11/13/12 | |
| 17 | 15773 | 0 | US26: Springwater Intersection | 16.24 | 16.24 | Beeson | Thu 11/1/12 | Wed 7/31/13 | |
| 18 | 1504713717 | 0 | US26: MP 49.20 - MP 57.45 (Pavement Preservation) | 49.20 | 57.45 | | Thu 8/22/13 | Thu 8/22/13 | |
| 19 | 15052/13717 | 0 | US26: MP 49.20 - MP 51.00 (Downhill passing lane/mex | 49.20 | 51.00 | | Thu 8/22/13 | Thu 8/22/13 | |
| 20 | | | | | | | | | |
| 21 | 7 | 0 | US26 (West) Projects | 24.13 | 67.0 | | Wed 5/12/10 | Wed 12/31/14 | |
| 22 | 14070 | 14228 | US26: 185th - Cornell Rd. | 64.30 | 67.0 | Larson | Wed 5/12/10 | Thu 6/28/12 | |
| 23 | 16141 | 14429 | US26: Sylvan - I405 | 71.53 | 73.94 | Statler | Thu 3/29/12 | Fri 5/31/13 | |
| 24 | 14838 | 14459 | US26: West Fork Dairy Creek Bridge #02673 | 46.2 | 46.4 | Larson | Thu 5/17/12 | Wed 7/11/12 | |
| 25 | 16842 | 0 | US26: Shute Interchange | 61.07 | 61.07 | Larson | Thu 3/8/12 | Thu 12/26/13 | |
| 26 | 12885 | 0 | US26: Glencoe Road Interchange | 56.94 | 57.22 | Larson | Thu 4/12/12 | Wed 12/31/14 | |
| 27 | 17991 | 0 | US26 (SW Kelly Ave): Ross Island Br - OR99W (Naito Pl | 0 | 0.31 | Earlywine | Tue 10/16/12 | Fri 6/28/13 | |
| 28 | 16137 | 0 | US26: Jefferson St - Highland Interchange | 73.12 | 73.31 | Statler | Thu 3/28/13 | Thu 10/31/13 | |
| 29 | | | | | | | | | |
| 30 | 2 | 0 | I-205 Projects | 0 | 27.18 | | Thu 2/9/12 | Mon 4/28/14 | |
| 31 | 16847 | 14417 | I-205: SE Foster Rd - SE 82nd Drive | 15.87 | 17.80 | Earlywine | Thu 2/9/12 | Wed 10/31/12 | |
| 32 | 14856 | 0 | I-205 @ NE Airport Way Interchange | 24.65 | 24.65 | Freitag | Thu 7/18/13 | Mon 4/28/14 | |
| 33 | | | | | | | | | |
| 34 | 1 | 0 | US30 (East) Projects | 9.0 | 13.0 | | Thu 5/24/12 | Thu 10/31/13 | |
| 35 | 15068 | 14471 | US30B: NE 122nd Ave. - MP 13.54 | 12.0 | 13.0 | Beeson | Thu 5/24/12 | Thu 10/31/13 | |
| 36 | | | | | | | | | |
| 37 | 4 | 0 | US30 (West) Projects | 1.93 | 69.95 | | Thu 1/6/11 | Mon 9/30/13 | |
| 38 | | 0 | Lewis and Clark (Longview) Bridge | 48.68 | 48.68 | OR/WASH | Thu 1/6/11 | Fri 1/4/13 | |
| 39 | 11196 | 0 | US30: "B" Street Bike/Ped Path | 46.62 | 47.34 | Weatherford | Thu 3/22/12 | Wed 12/26/12 | |
| 40 | 16151 | 0 | Lower Columbia River @ Cornelius Pass Rd. | 13.05 | 13.32 | Larson | Thu 8/9/12 | Wed 7/31/13 | |
| 41 | 17566 | 0 | US30: McNamee Rd. - MP 17.93 | 13.03 | 17.93 | Larson | Thu 9/13/12 | Mon 9/30/13 | |
| 42 | | | | | | | | | |
| 43 | 6 | 0 | OR99 (West) Projects | 7.0 | 10.8 | | Thu 1/6/11 | Tue 12/31/13 | |



Region 1 and 2 Recommended Delay Thresholds for Coastal Highways

| Highway | Segment Boundaries | Region | Length (miles) | Delay Threshold (minutes) |
|------------------------------|---|--------|----------------|---------------------------|
| US26 (West) | US 101 to OR 6 (Seaside/Cannon Beach to North Plains) | 2 | 53 | 37 |
| US26 (West) | OR 6 to I-405 (North Plains to Portland) | 1 | 21 | 36 |
| Total for US26 (West) | | | | 73 |
| US30 (West) | I-405 (Portland) to Columbia City NCL | 1 | 31 | 22 |
| US30 (West) | Columbia City to US 101 (Astoria) | 2 | 67 | 36 |
| Total for US30 (West) | | | | 58 |
| US101 (Oregon Coast Highway) | US30 to US26 (Astoria to Seaside/Cannon Beach) | 2 | 21 | 40 |
| OR 6 (Wilson River Highway) | US101 to US26 (Tillamook to North Plains) | 2 | 52 | 40 |

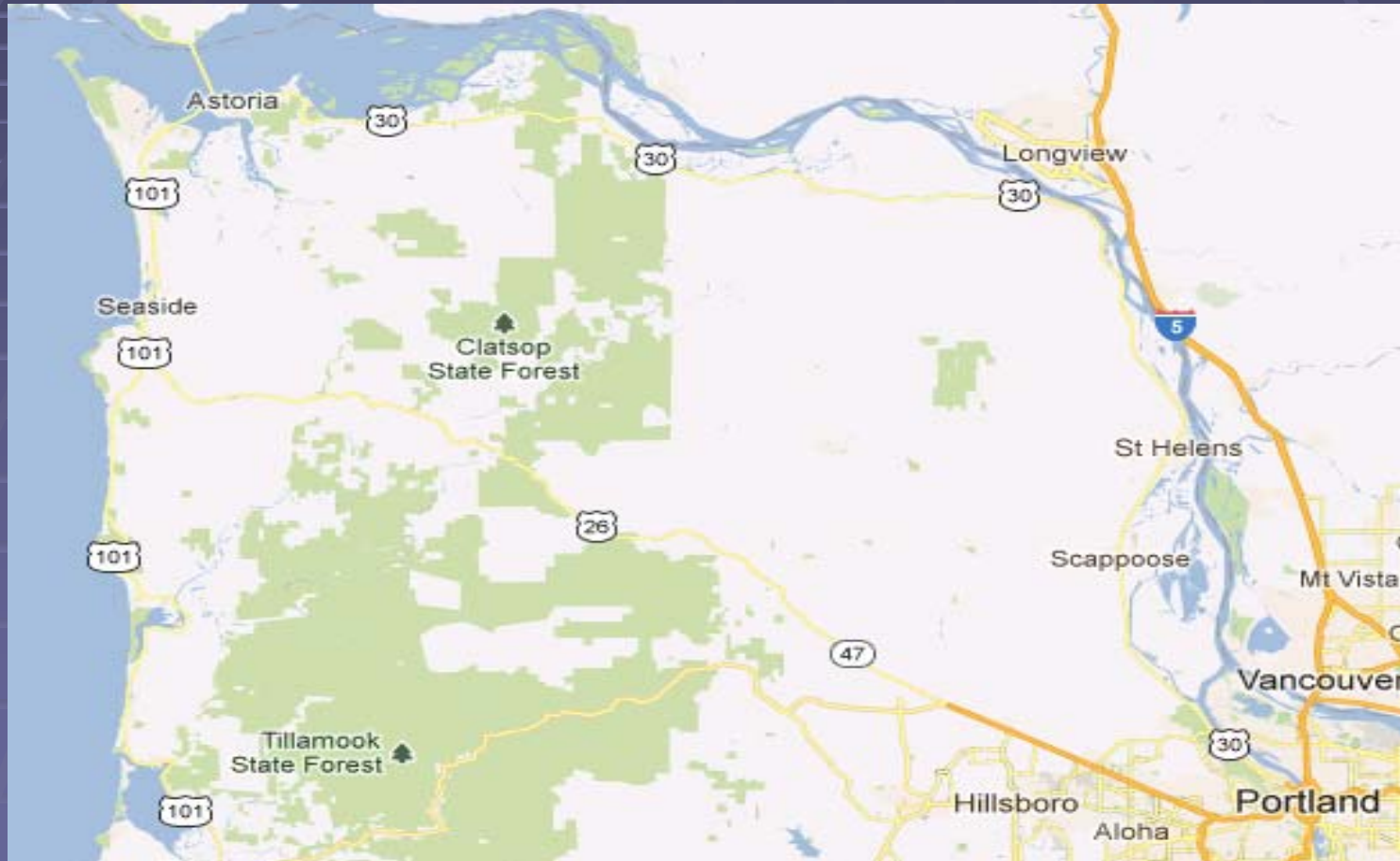


Region 1 and 2 Coordination

| ID | Key No. | Task Name | Region Weekly Schedule | | PI | St Date | Construction Start | Finish | Restriction (Type) | Delay (Minutes) | 2009 | | |
|----|---------|--|------------------------|---------|-------------------------------|-------------|--------------------|---------------|---|--|------|-----|-----|
| | | | Wk Post | Wk Post | | | | | | | Jan | Feb | Mar |
| | | | Start | End | | | | | | | | | |
| 1 | 16 | Mobility Study - Northwestern Oregon and Coastal Highways | | | 16 Projects (as of 9/16/2009) | Fri 4/10/09 | NA | Wed 5/30/12 | | | | | |
| 2 | 7 | US26 (West) Projects - (6 - Projects as of 4/28/2010) | 2.24 | 67.8 | | Thu 3/4/10 | NA | Wed 11/24/11 | | 75-Minute Threshold | | | |
| 3 | 16750 | US26: Staley's Junction Variable Speed Signs | 45.3 | 45.75 | Larson | Thu 3/4/10 | Mon 9/14/10 | Wed 12/1/10 | One Intersect | Less than 5 minutes | | | |
| 4 | 14670 | 185th - Cornell Rd. | 61.30 | 67.0 | Larson | Thu 4/15/10 | Tue 6/15/10 | Fri 9/30/11 | 14' H/T Travel Lane Right, Intersecting rightline lane and ramp closures | Less than 5 minutes | | | |
| 5 | 16302 | Bundle S11 - US26: McKay Creek Bridge #02365 | 57.8 | 57.9 | OBDP - Christiansen | Thu 4/22/10 | Tue 7/6/10 | Wed 10/26/11 | Motorist will use diversion or temporary bridge during construction. | Less than 5 minutes | | | |
| 6 | 15232 | Bundle S11 - US26: East Fork Dairy Creek Bridge #02366 | 54.6 | 54.7 | OBDP - Christiansen | Thu 4/22/10 | NA | Wed 10/26/11 | Motorist will use diversion or temporary bridge during construction. | Less than 5 minutes | | | |
| 7 | 15046 | US26: Military Cr. - Salmonberry - Wolf Cr. Sec. | 26.0 | 37.0 | Larson | Thu 6/10/10 | Mon 8/2/10 | Sat 10/15/11 | 14' H/T Travel Lanes for paving, daytime lane closures with flaggers and short-term delays | Less than 5 minutes | | | |
| 8 | 15183 | US26: Volmer Cr Br & Johnson Cr Br | 1.04 | 1.07 | Christiansen | Fri 9/04/10 | Mon 1/18/11 | Mon 10/1/11 | Single lane closures w/24 hour flagging | | | | |
| 9 | 11548 | Dennis L. Edwards Tunnel | 40.9 | 41.3 | Larson | Fri 1/16/10 | Mon 12/1/11 | Wed 11/28/11 | Weekly/Thursday Nighttime closures 8PM - 5AM Ending May 31, 2011 | 25 minutes additional travel time for detour route | | | |
| 10 | 14796 | Quartz Creek (Rail Retrofit) | 24.13 | 24.33 | Larson | Thu 12/2/10 | Tue 2/1/11 | Wed 6/21/11 | Nighttime traffic subject to 30-minute stop and hold/Nighttime freight subject to 14' Travel Lane/Daytime horizontal clearance at least | 10-Minute Threshold | | | |
| 11 | 3 | US30 (West) Projects - (2 - Projects as of 4/28/2010) | 18.6 | 97.87 | | Tue 6/23/09 | NA | Fri 9/30/11 | | | | | |
| 12 | 13976 | US30 @ Havik Drive | 19.6 | 20.5 | Protag | Tue 6/23/09 | Mon 9/13/09 | Fri 11/1/10 | Intersect Right lane closures | NA | | | |
| 13 | 14746 | John Day River Bridge - 33rd Street (Astoria) | 50.3 | 50.07 | Sulowski | Fri 6/23/10 | Tue 7/6/10 | Thu 6/30/11 | Single lane Nighttime lane closures | Less than 10 minutes | | | |
| 14 | 15530 | US30: Svedelown Road - Jct. OR-47 | 80.0 | 81.76 | Christiansen | Thu 12/9/10 | Tue 2/7/11 | Fri 9/3/11 | Single lane Nighttime lane closures | Less than 5 minutes | | | |
| 15 | 1 | US101 (Oregon Coast) Projects - (1 Projects as of 2/16/2010) | 66.29 | 82.82 | | Fri 4/10/09 | NA | Sun 3/8/10/10 | | 40-Minute Threshold | | | |
| 16 | 15201 | US101-12th Street (Tillamook) - Farmer Cr Rd | 66.29 | 80.82 | Christiansen | Fri 4/10/09 | Mon 6/1/09 | Sun 10/31/10 | | Less than 10 minutes | | | |
| 17 | 1 | OR6 (Wilson River) Projects - (1 - Projects as of 4/28/2010) | 1.00 | 32.4 | | Thu 6/24/10 | NA | Tue 4/5/11 | | 40-Minute Threshold | | | |
| 18 | 16301 | Bundle S10 - OR6: Devil's Lake Bridge #02472 @ MP 32.0 | 32.4 | 32.4 | OBDP - Harrell | Thu 6/24/10 | Mon 9/13/10 | Tue 4/5/11 | This project is in the Construction phase. It will restrict horizontal clearance to 14' travel lanes for two-way alternating one-way traffic with flagging 24/7 until completion. | Less than 5 minutes | | | |
| 19 | 1 | OR202 (Nehalem Hwy) Projects - (1 Project as of 2/16/2010) | 43.6 | 43.8 | | Thu 3/11/10 | NA | Wed 5/26/12 | | | | | |



Region 1 and 2 Coordination





Lessons Learned

- Safety improvement for motorists and construction worksite
- Minimize Delay and inconvenience
- Keep people and commerce moving
- Optimize traffic movement



References

- Corridor –Level Traffic Management Plan (TMP) I-5 North/OR58 Corridor Washington State Line to US 97 (Chemult, OR), Oregon Bridge Delivery Partners, December 29, 2005
- Corridor –Level Traffic Management Plan (TMP) US 26/US 97 Corridor I-205 (Clackamas) to California State Line, Oregon Bridge Delivery Partners, December 29, 2005
- Corridor –Level Traffic Management Plan (TMP) I-84 Corridor I-5 (Portland, OR) to Idaho State Line, Oregon Bridge Delivery Partners, December 29, 2005
- Work Zone Traffic Analysis Tool, Oregon Bridge Delivery Partners, http://www.oregon.gov/ODOT/HWY/TRAFFIC-ROADWAY/docs/pdf/wzta_manual.pdf
- Tony Coleman, Region 1 Freight Mobility/Construction Liaison
123 NW Flanders St., Portland, OR 97209
Email: Anthony.T.Coleman@odot.state.or.us
Phone: 503.731.8480



Questions and Feedback?