Review of Interstate Truck Speeds
Preliminary Data and Process

Doug Bish, Traffic Services Engineer
March 2017
Agenda

• Why?
• OARs
• Investigations
• Preliminary Data
• Schedule
Why now?

Proposed Legislative bill to raise truck speeds

ODOT concerned about legislating without data

ODOT proposed to study truck speeds
History

2003 ODOT Investigates Interstate Speeds and Raises Some

2015 Legislature Raises Speeds in Eastern Oregon

2017 ODOT investigates Truck Speeds
Oregon Administrative Rules
Speed Limits on Interstates

Investigations
Impacts and Issues
Public Comments
Oregon Administrative Rules
Engineering Investigations

Speeds: Average and 85th percentile
Crash: Number and rates
Roadway: Curves, lanes, and shoulders
Traffic: ADT, Congestion, and % Trucks
Weather: Type and Frequency
Recommendation to OTC

Reasonable and Safe
Given Existing Conditions
As Indicated by Data
Issues Report
And Public Comment
Investigations

I-5: South of Portland
I-84: Troutdale to The Dalles
I-205: Jct. of I-5 to West Linn

Anywhere the speed is currently 65 mph for cars and 55 mph for trucks
Process

ODOT Investigations
PSU Issues Report
Public Meetings
SZRP Recommendation
Commission Public Meeting on the Rule
Vehicle Speeds on I-5 (Preliminary data)
Average and 85th Percentile in 65/55 mph Sections

85th Percentile Autos
85th Percentile Trucks
Average Autos
Average Trucks
Truck Crashes on I-5
Crashes per mile per year

- All crashes 2004
- All crashes 2015
- Truck Involved crashes 2004
- Truck Involved crashes 2015
- Truck @Fault crashes 2004
- Truck @Fault crashes 2015

Locations:
- Medford
- Roseburg
- Eugene
- Salem
- I-205

Crash Data:
- All crashes
- Truck involved
- Truck at fault
Traffic Crashes on I-5
3 years of crashes for investigated segments

<table>
<thead>
<tr>
<th>Year</th>
<th>PDO Crashes</th>
<th>F&amp;I Crashes</th>
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<tbody>
<tr>
<td>2004</td>
<td>1,029</td>
<td>873</td>
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<tr>
<td>2015</td>
<td>1,553</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>All Crashes</th>
<th>Truck Involved</th>
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<tbody>
<tr>
<td>2004</td>
<td>1,902</td>
<td>461</td>
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<td>2015</td>
<td>2,886</td>
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Truck at Fault
2004 46%
2015 40%
Traffic Volumes on I-5
Average Vehicles per Day

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<tr>
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<th>ADT 2004</th>
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<tr>
<td>Salem</td>
<td>18.54</td>
<td>69.335</td>
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<td>Eugene</td>
<td>112.925</td>
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<td>Medford</td>
<td>119.82</td>
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<td>Roseburg</td>
<td>124.82</td>
<td>158.705</td>
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<td>Salem</td>
<td>199</td>
<td>226.5</td>
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<td>I-205</td>
<td>226.5</td>
<td>274.725</td>
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Truck Crashes overlaid with Volumes
Crashes per mile per year
Nov 2016 – ODOT began investigations
Feb 2017 - PSU began an issues report.
March 2017 – Public Meetings

June 2017 - SZRP make recommendations to Commission
Aug 2017 - Commission make a final decision.
Thank You!
Supplementary Slides
Vehicle Speeds on I-205 and I-84
Average and 85th Percentile (preliminary data)

I-205

Jct 1-5

West Linn

I-84

Troutdale

Hood River

The Dalles

65/55 Posted Sections
Truck Crashes on I-205 and I-84
Crashes per mile per year

I-205

I-84

All Crashes 2004
All Crashes 2015
Truck Involved Crashes 2004
Truck Involved Crashes 2015
Truck at Fault 2004
Truck at Fault 2015

Troutdale
Hood River
The Dalles

Jct 1-5
West Linn

Troutdale
Hood River
The Dalles

Jct 1-5
West Linn

Troutdale
Hood River
The Dalles
Traffic Volumes on I-205 and I-84
Average Vehicles per Day

I-205

- Jct 1-5
- West Linn

I-84

- Troutdale
- Hood River
- The Dalles

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