Portland’s Freeways Are Challenged to Serve the Growing Regional Economy and Population

Regional Growth

From 2015 to 2017, population has grown by 3.3%.

2.48 million people now call this region home.

Traffic Impacts

1. Increased congestion, delay & crashes.
   - Hours of congestion: ↑13.4%
   - Daily vehicle hours of delay: ↑20.0%

2. Congestion affects the mid-day travel period.
   - Impacting trucks & increasing regional cost of delay.
   - 2017 daily cost of freeway congestion: $2.0M

Traffic Incident Management

Incidents by time of day
2013-2017, total incidents by time of day
Source: ODOT

Incidents in 2017:
Most incidents were cleared within 17-23 min.
Top Recurring Bottlenecks on Portland’s Freeways

Corridors with highest travel times

Source: HERE data

<table>
<thead>
<tr>
<th>Corridor</th>
<th>2017 Planning Travel Time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Free Flow Travel Time</td>
</tr>
<tr>
<td>I-5 Northbound</td>
<td>12:30-7:30 PM</td>
</tr>
<tr>
<td>I-5 Southbound</td>
<td>11:00 AM-6:15 PM</td>
</tr>
<tr>
<td>I-205 Northbound</td>
<td>11:45 AM-7:45 PM</td>
</tr>
<tr>
<td>I-84 Eastbound</td>
<td>11:45 AM-7:45 PM</td>
</tr>
<tr>
<td>OR 217 Southbound</td>
<td>11:30 AM-6:30 PM</td>
</tr>
<tr>
<td>US 26 Eastbound</td>
<td>6:15 AM-12:00 PM</td>
</tr>
<tr>
<td></td>
<td>12:00 PM-8:00 PM</td>
</tr>
</tbody>
</table>

*Selection based on planning travel time weighted for length of corridor. Planning travel time is the sum of average travel time and buffer travel time.

Drivers must plan up to 3 times the free flow travel time for reliable travel through the Portland region during peak hours.

For full report visit: https://tinyurl.com/ODOTRegion1SystemManagement

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