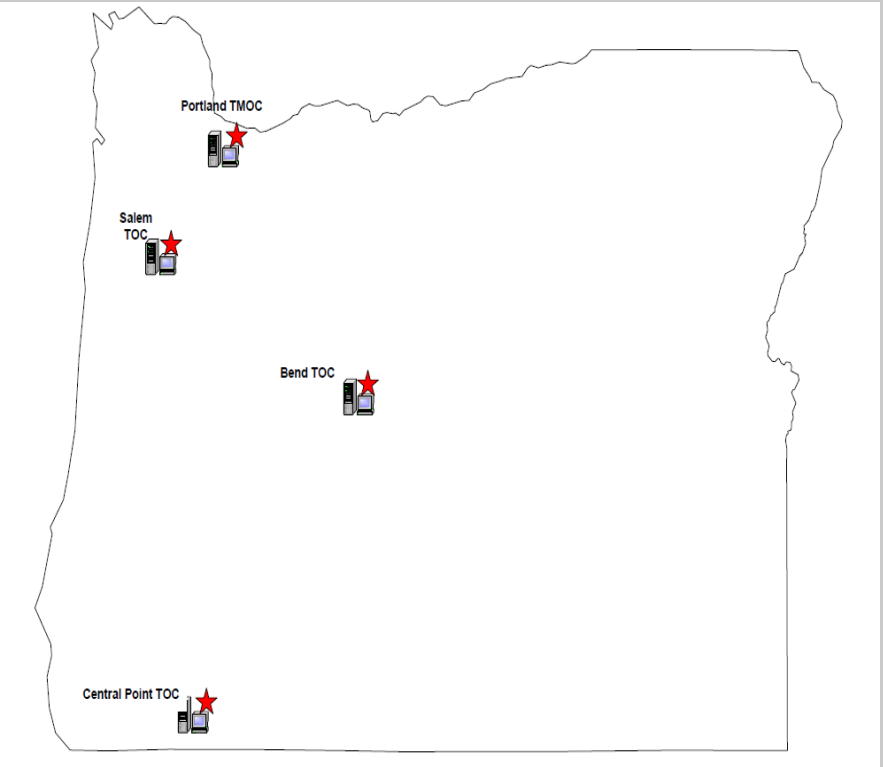
PSU Portal & ODOT TOC
5/15/2019

<u>Transportation Operation Centers (TOCs)</u>

- Overview
- Data Warehouse/ Extraction
- Reports

TOCs in Oregon



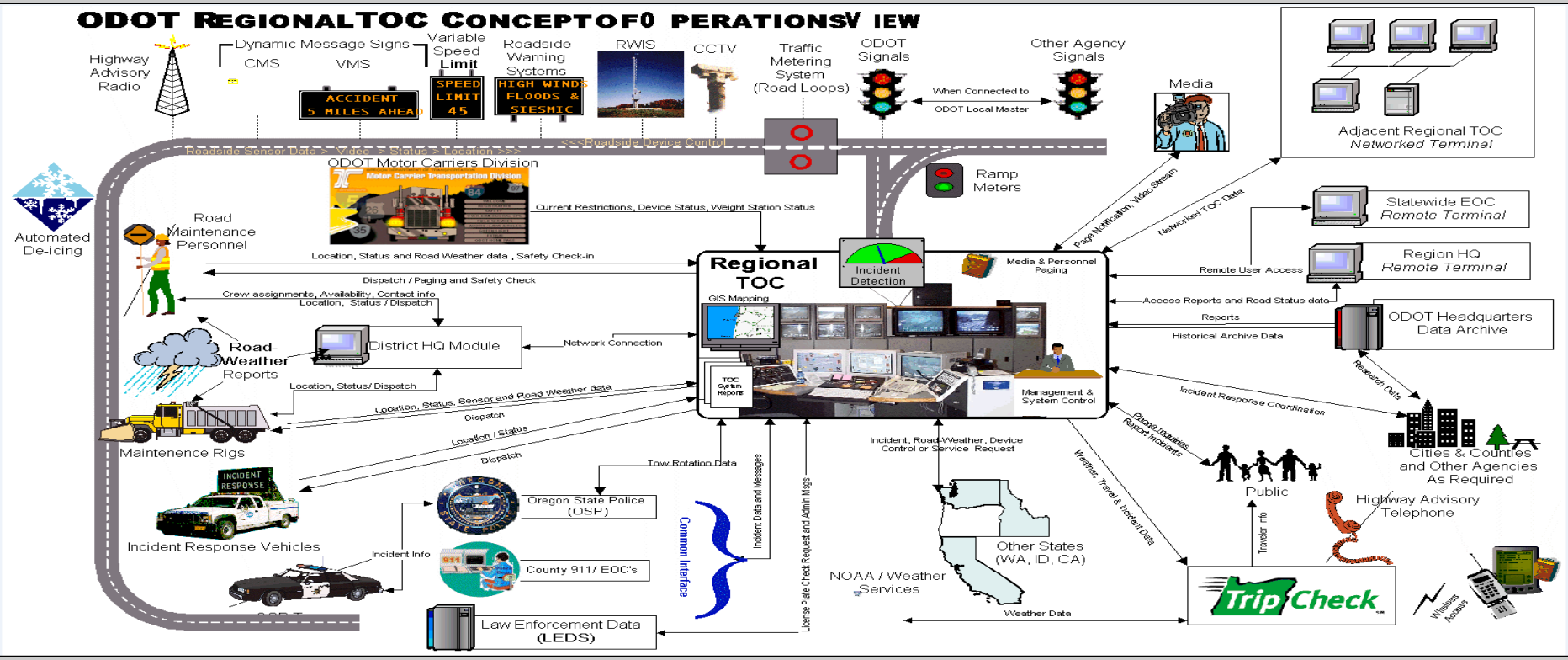
Transportation Operation Centers (TOCs)

- Portland TOC (TMOC) -2B,2C
- Salem TOC (NWTOC)- 1,3,4,5
- Central Point TOC (STOC) – 7,8,11
- Bend TOC (CTOC)– 9,10,12,13,14

TOC Roles:

- Incident Management
- Emergency Management
- Traveler Information
- Winter Operations
- Maintenance Operations
- Device Management
- Traffic Management
- Construction Operations
- Highway Mobility Operations

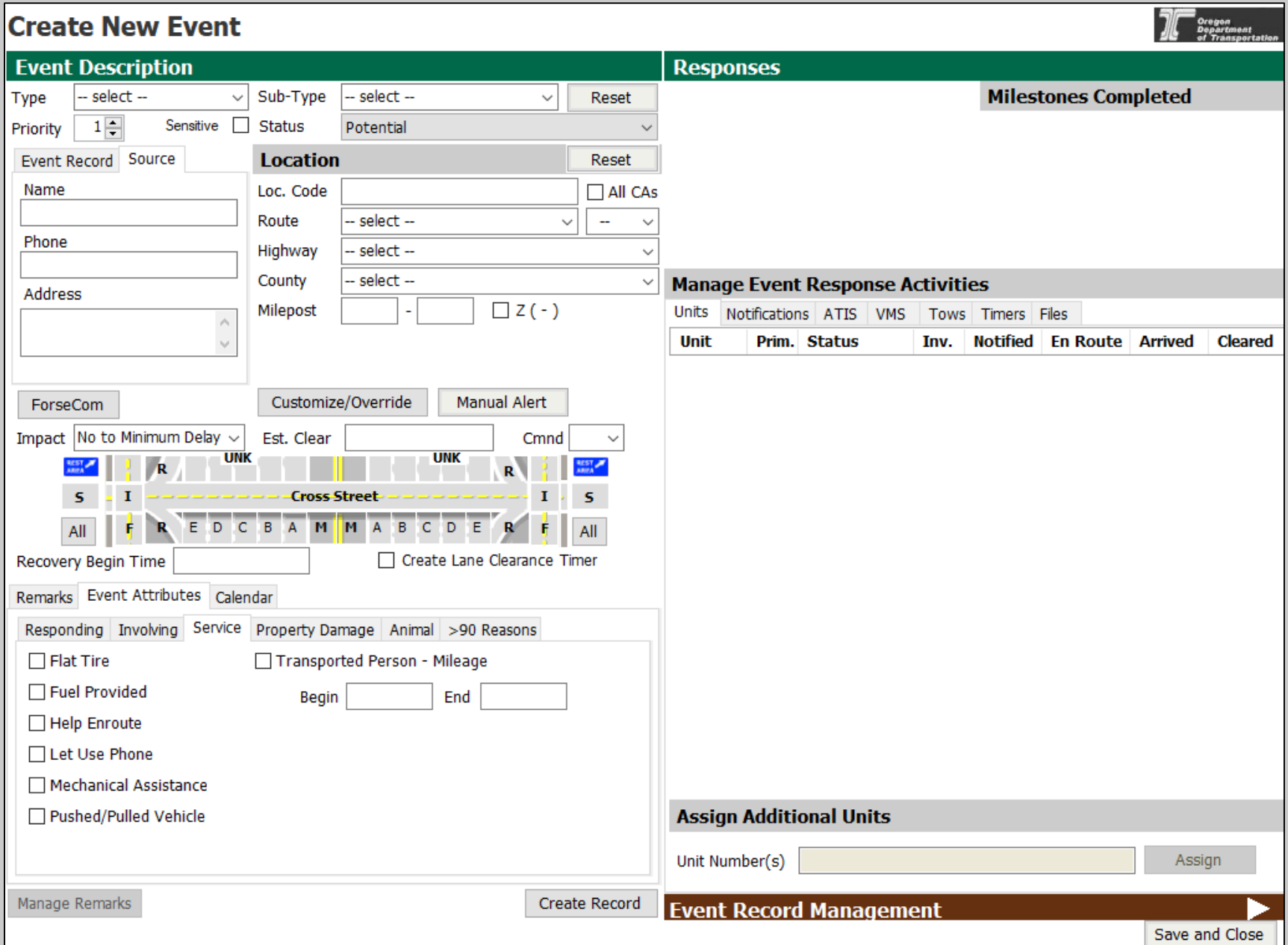
TOC



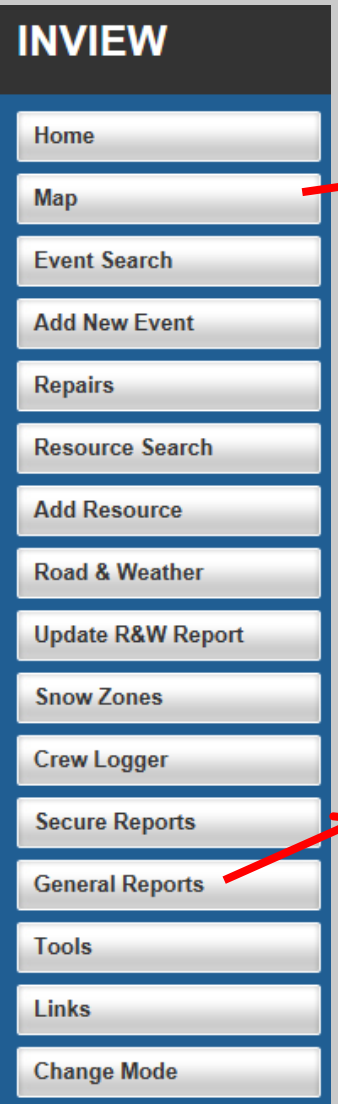
- Overview
- Partnerships

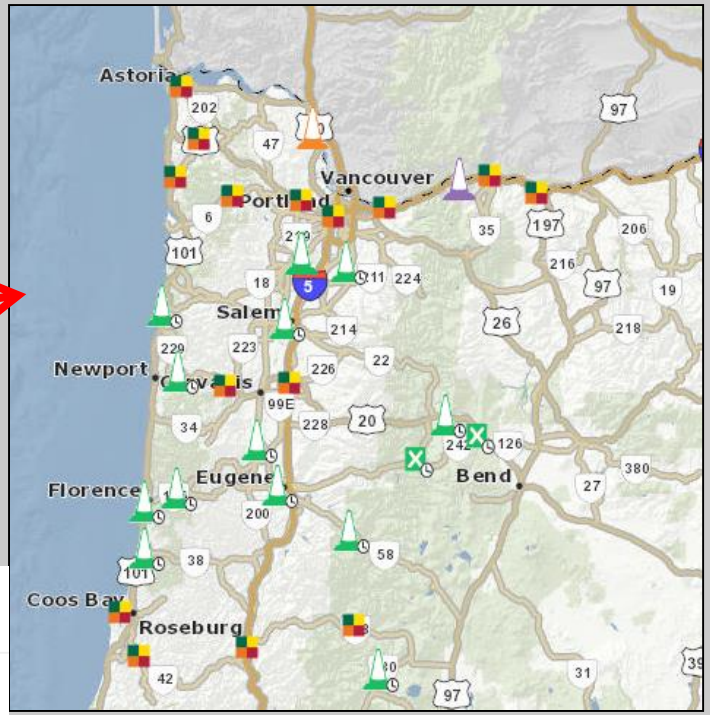
Law Enforcement Data System
(Oregon State Police)

TOC – Software GUI



Inview





- INVIEW allows authorized users to search for and view events, crews and units, reports, etc.
- Access the Crew Logger tool and INVIEW reports

Incident History Report

Oregon Department of Transportation

Event History Report

Event: 17T083794

Created: 09/04/17 12:43:30 PM

Originator: hwyr18j, Dispatcher: hwyr18j

Sub-Type	Priority	Command Area	Location	Lanes Affected
Crash	1	2B	302.35 I-5 PACIFIC 001, Multnomah	

Source

DISPATCHER

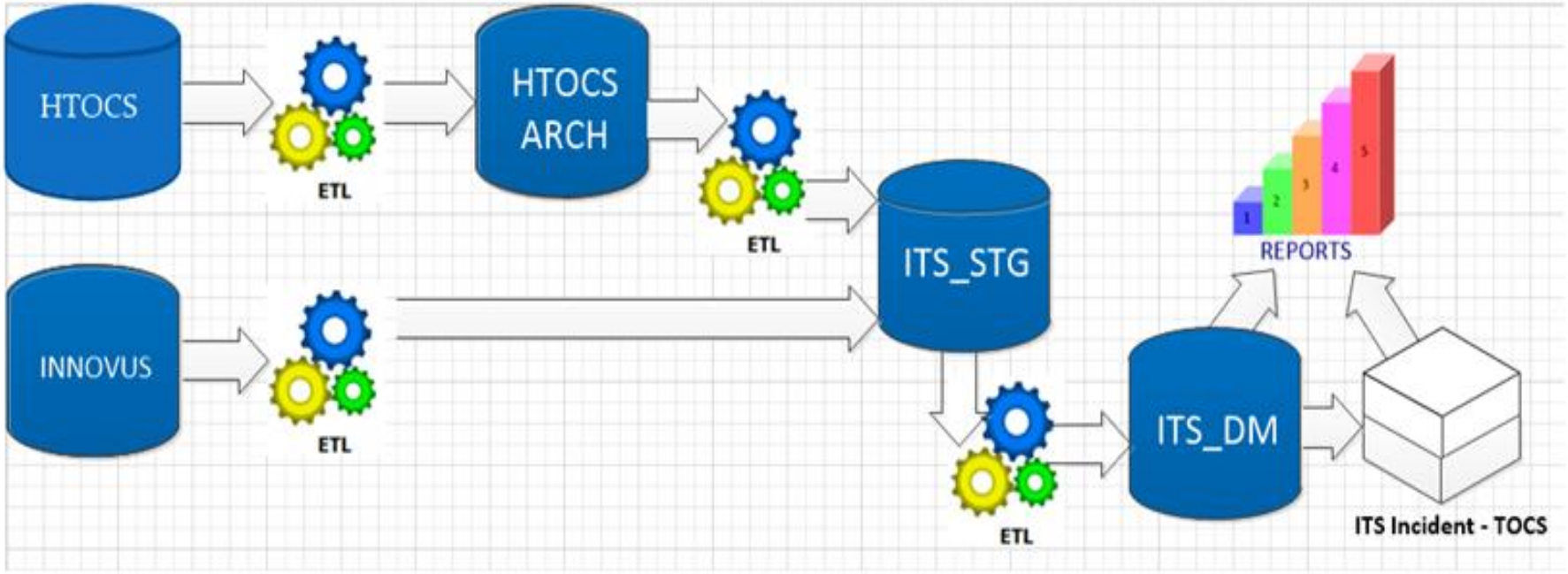
Lanes Cleared	Event Cleared	Congestion Cleared	Devices Cleared	Repairs Complete
09/04/17 01:39:17 PM	09/04/17 01:40:42 PM			

Shared	Related	External Sync'd	External Related	
		DESCHUTES:17276872		

Disposition	Remarks	Schedule Start	Schedule End
21:Assistance Rendered			

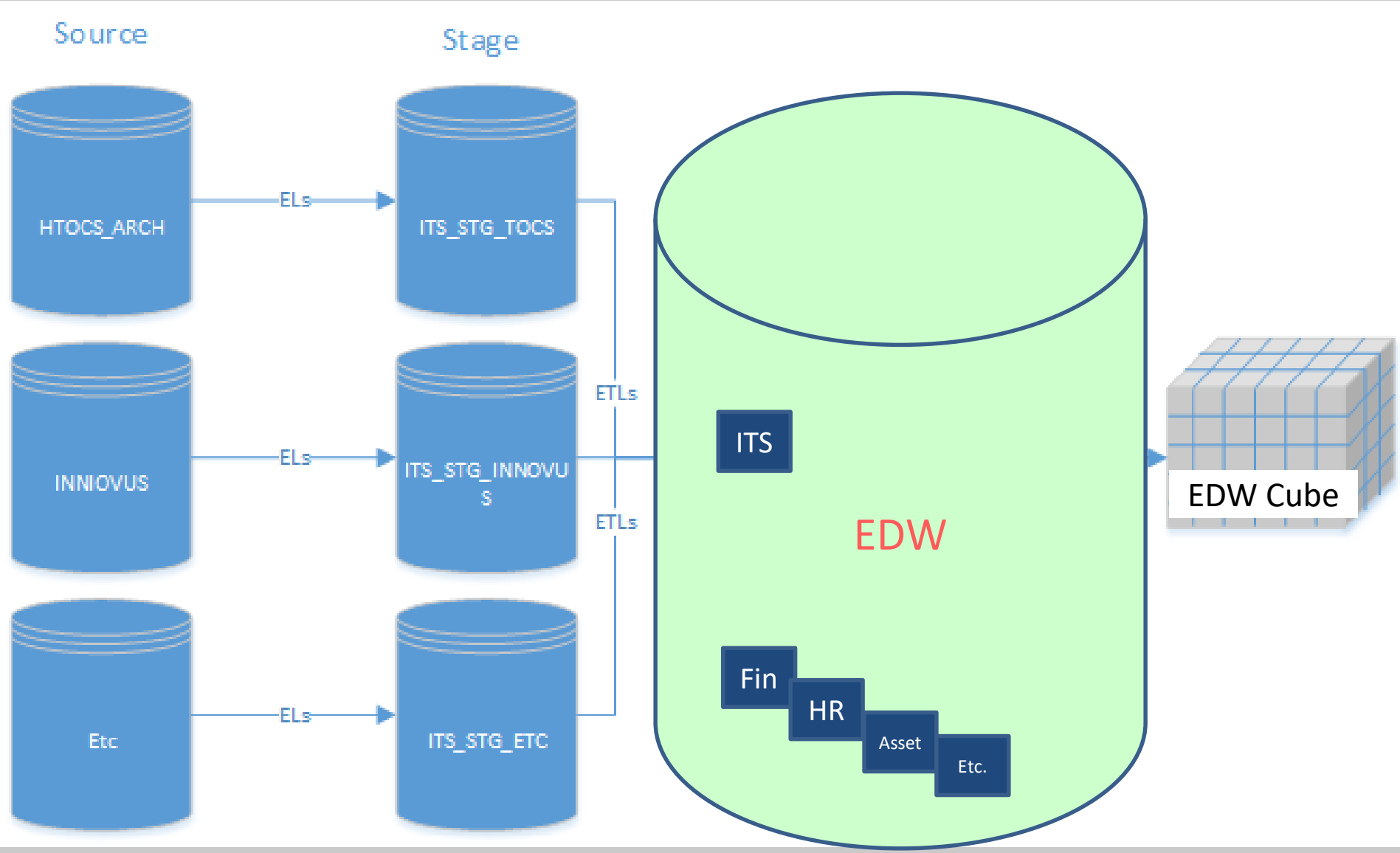
Time	Elap Time	User	Unit	Action Taken / Remarks
09/04/17 12:43:30 PM	00:00	hwyr18j		New Event: Crash, Priority: 1; Geo-Located: /broadway; 302.35 I-5 PACIFIC - 001; Portland, OR, County: Multnomah, Command Area: 2B, Crew: 1204, Tow Zone: 1101; Status: Pending; Impact: No Impact; Vehicles Involved: Removed;Est Clear Date/Time: 9/4/2017 4:43:30 PM
09/04/17 12:43:35 PM	00:00	hwyr18j		crash sb 5 atbroadway
09/04/17 12:44:49 PM	00:01	hwyr18j		MULTI-VEH CRASH SB AT ROSE QTR EXIT
09/04/17 12:44:55 PM	00:01	hwyr18j		B/C LANES CLOSED
09/04/17	00:02	hwyr18j		Impact changed to: 20 min - 2 hours; Updated Source:

TOCs – Data Output Process – Previous

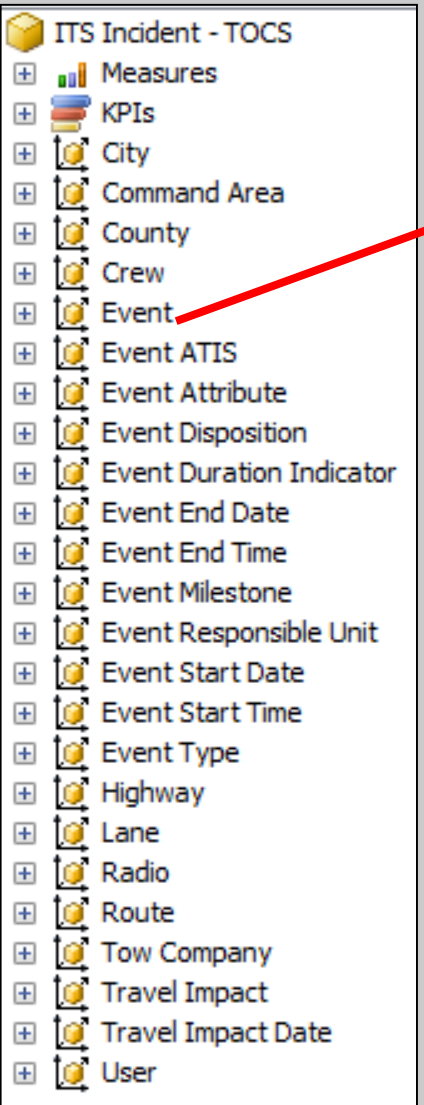


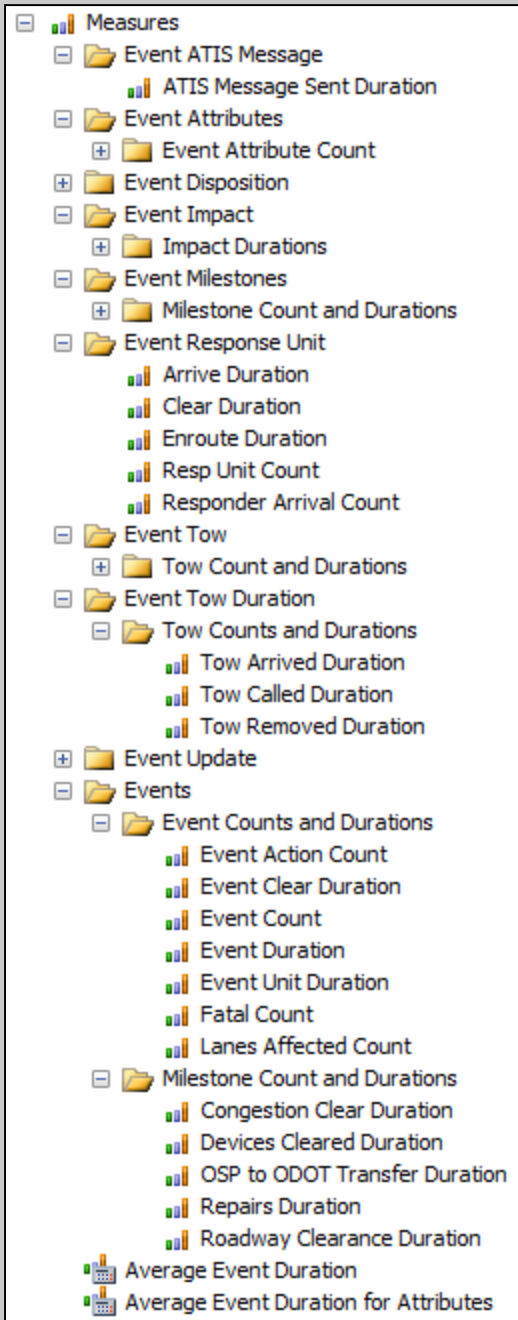
- ITS_STG is populated from source data
  - ETLs are preformed
  - ITS_STG feeds into ITS_DM
- TOCS_CUBE further compresses data from ITS_DM

TOCs – Data Output Process – As Is



TOCs Attributes and Measures





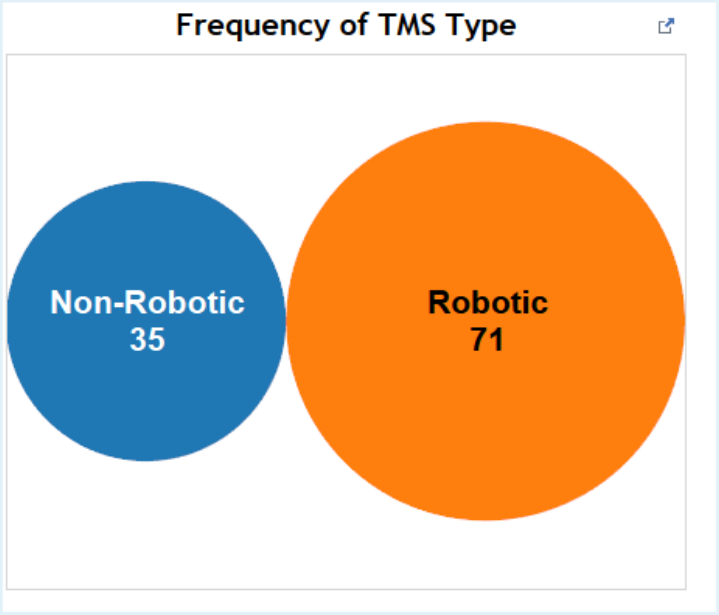
TOCs –Reports
Connection Permitting

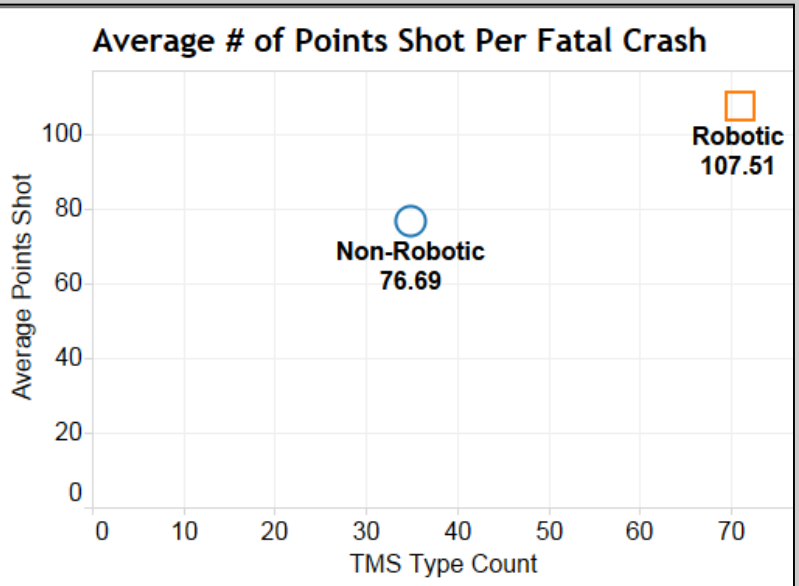
- **IR Dashboard**
- **Push, Pull, Drag (PPD)**
- **ITS Assets**
- **Response Plan System**

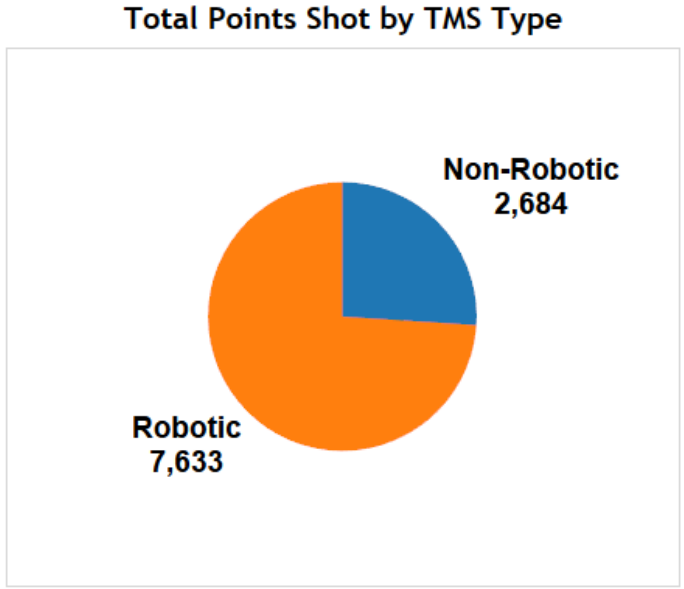
TOCs –Reports
Statewide Roadway Clearance %

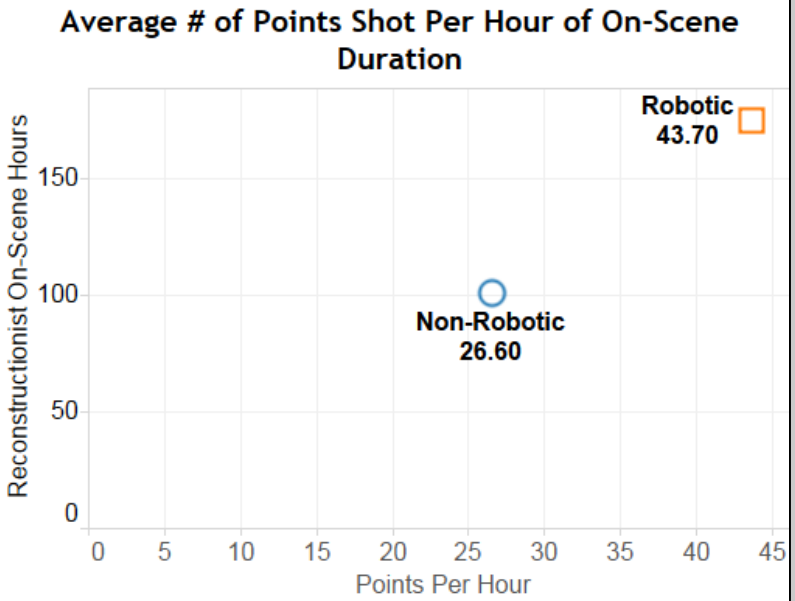
Year	Total Crashes Impacting Travel Lanes	Crashes under 90 minute Goal	Percentage of Events Under 90 Minutes	
2013	5179	4041	78%	
2014	5960	4735	79%	
2015	5507	4348	79%	
2016	6408	4941	77%	
2017	6699	5166	77%	
2018	6597	5309	80%	
2019	2415	1915	79%	

RTMS – OSP Partnership Report









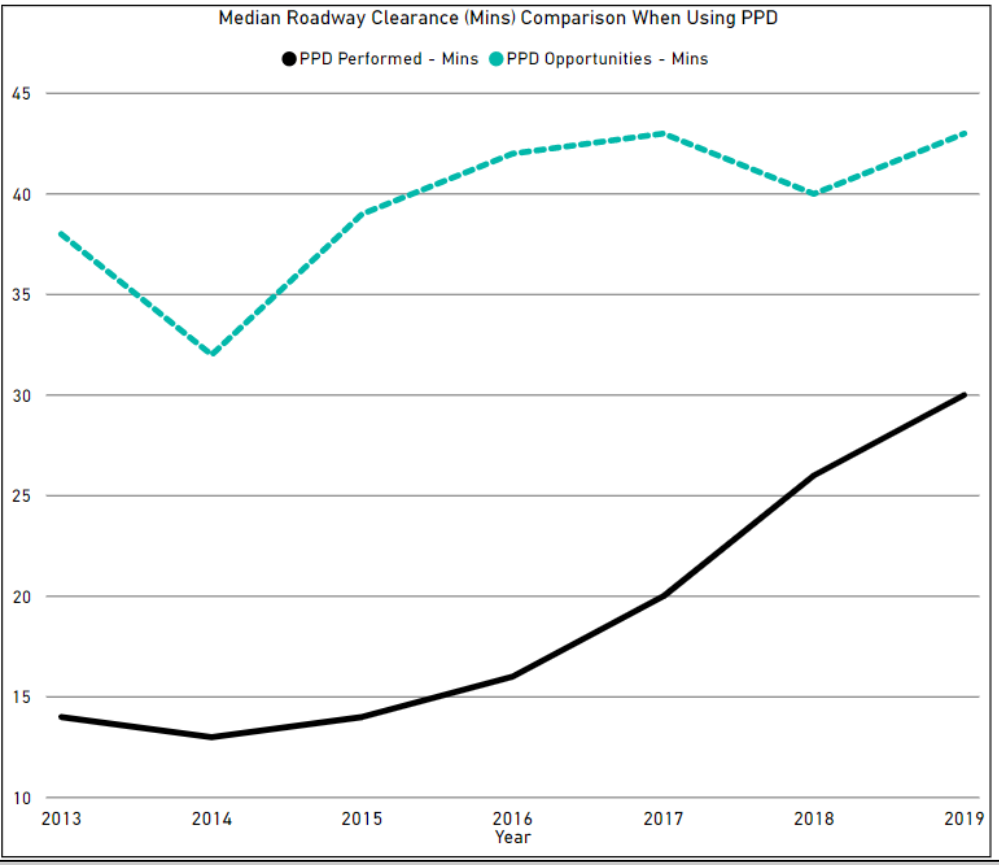
Push, Pull & Drag Report

Statewide Push/Pull/Dragged Event Count - Lane Blocking Events

Subtypes: Abandoned Vehicle - Hazard, Crash, Disabled Vehicle - Hazard, Fatal Crash, Hazard Tow, and Vehicle Fire

District: All

Month: All



% Clearance Change by District & Year

District	2013	2014	2015	2016	2017	2018	2019	Total
1		-42.4 %	73.8 %	-82.3 %	-52.4 %	-42.9 %	-18.4 %	**-45.8 %**
10		-23.3 %	-59.7 %	11.7 %	-61.1 %	-3.4 %	-59.1 %	**-37.3 %**
11				-54.4 %	-15.6 %	-27.6 %	-50.0 %	**-39.0 %**
12						-38.5 %	-61.1 %	**-34.8 %**
13					-28.0 %	-11.4 %	40.4 %	**-12.0 %**
14				-96.5 %	-72.5 %	58.9 %	-48.9 %	**-58.0 %**
2B	-30.0 %	-23.5 %	-33.3 %	-33.3 %	-27.1 %	-32.0 %	-29.2 %	**-31.8 %**
2C			-64.1 %	-8.2 %	-26.1 %	6.8 %	-43.6 %	**-15.0 %**
3	-30.9 %	-42.1 %	-34.0 %	-10.7 %	-29.4 %	0.0 %	-8.8 %	**-13.7 %**
4	-15.3 %	-42.6 %	-53.5 %	-48.3 %	-39.3 %	-6.0 %	-29.6 %	**-24.1 %**
5	-31.1 %	-38.8 %	-42.3 %	-41.3 %	-43.3 %	-23.3 %	-23.1 %	**-31.1 %**
7			-67.2 %	-79.5 %	-39.7 %	-8.6 %	-34.5 %	**-37.9 %**
8	-44.6 %	-50.0 %		-22.9 %	-21.6 %	-24.7 %	-24.7 %	**-28.9 %**
9		-41.5 %			-27.1 %	-8.8 %	-70.9 %	**-33.7 %**
Total	**-63.2 %**	**-59.4 %**	**-64.1 %**	**-61.9 %**	**-53.5 %**	**-35.0 %**	**-30.2 %**	**-55.0 %**

3435
PPD

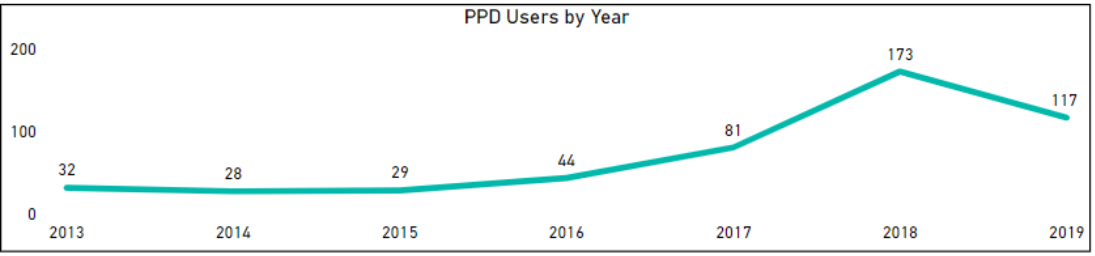
48985
PPD Opportunities

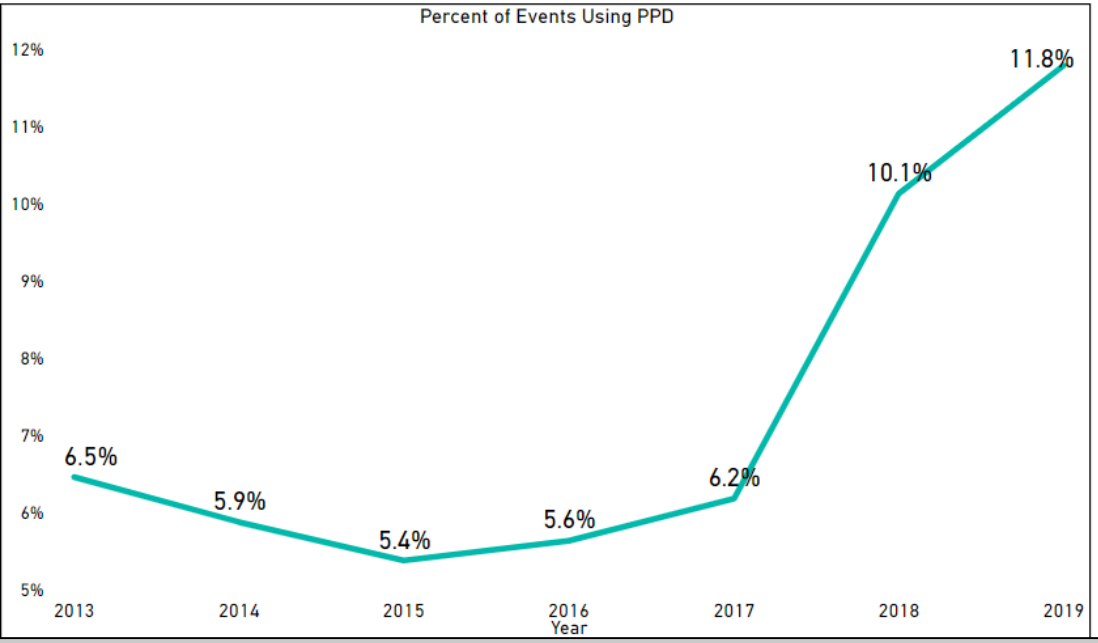
Push, Pull & Drag Report

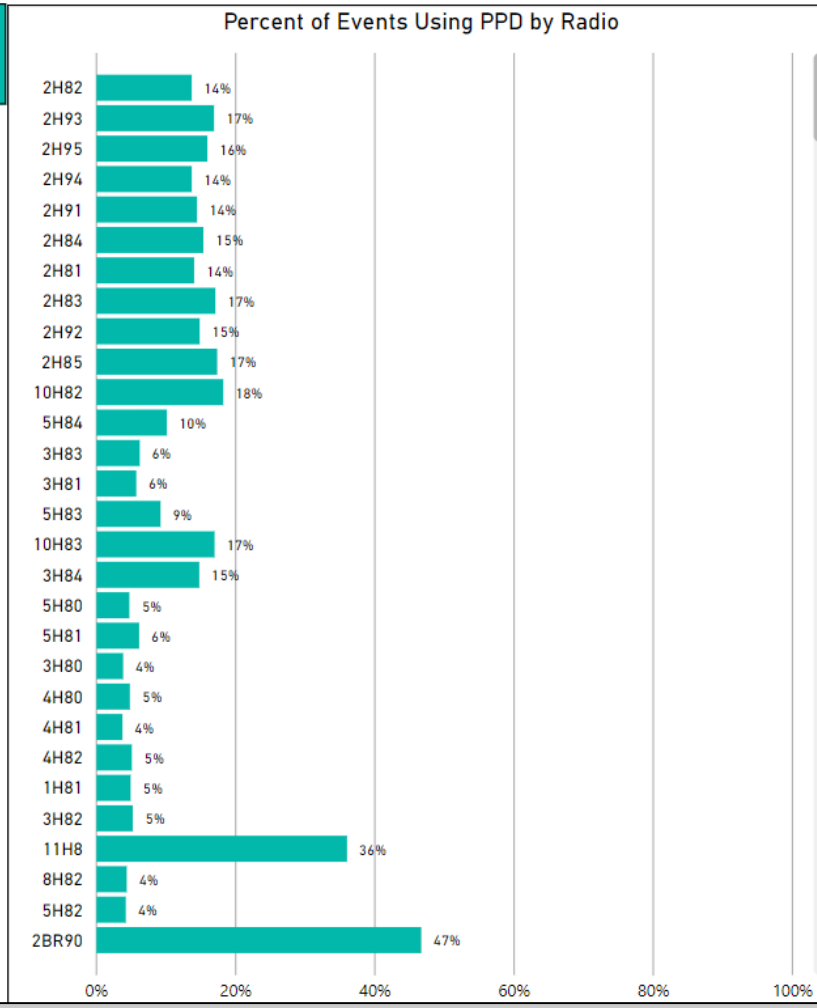
Statewide Push/Pull/Dragged Event Count - Lane Blocking Events

Year: All | District: All | Month: All

300 PPD Users

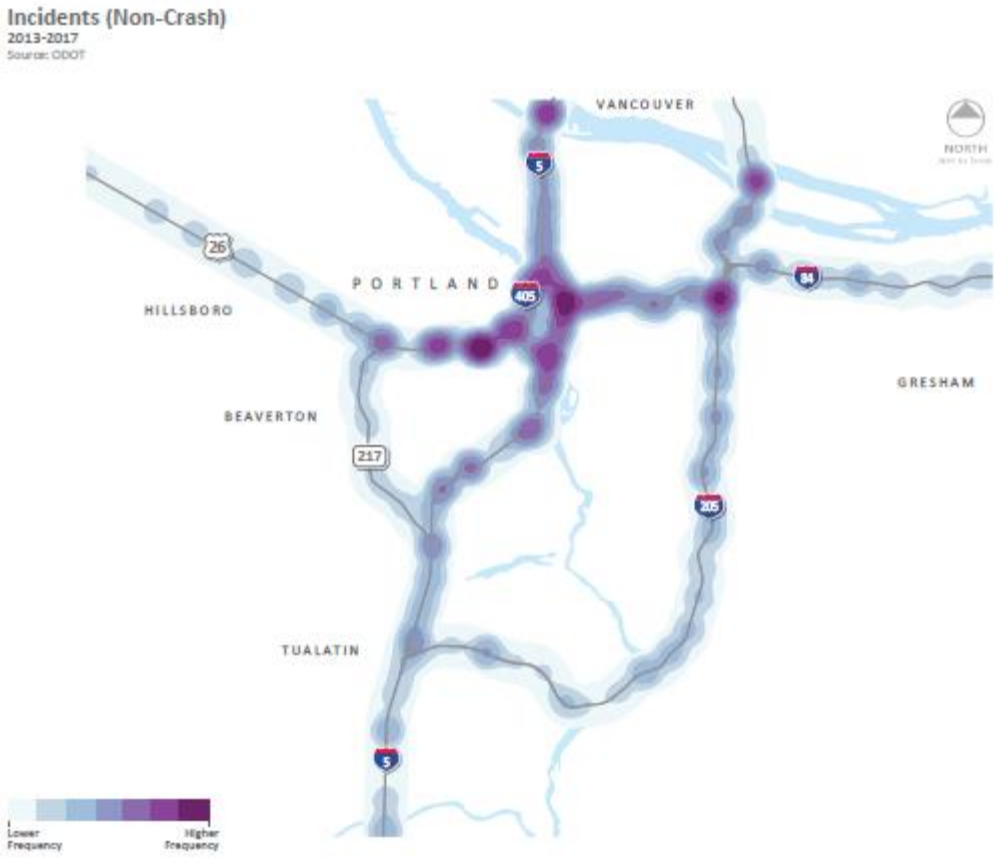




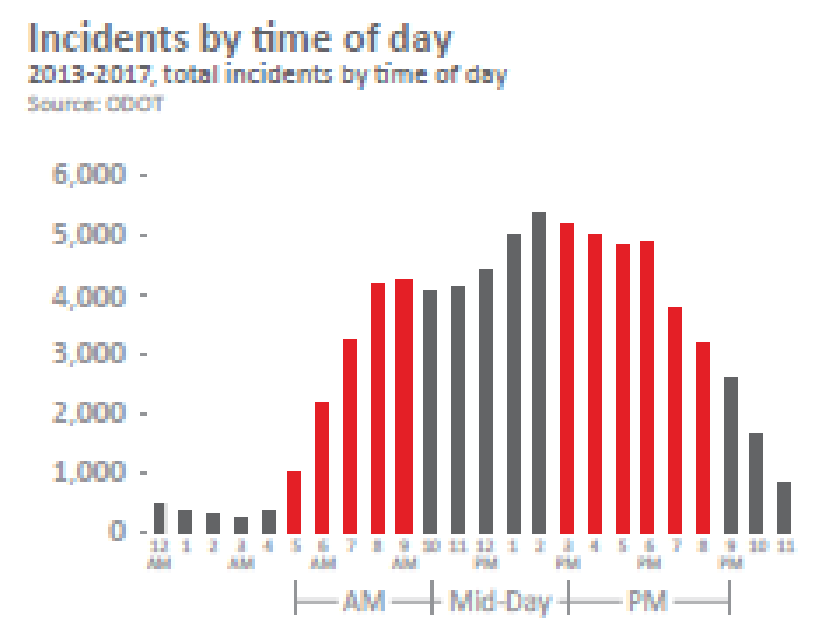


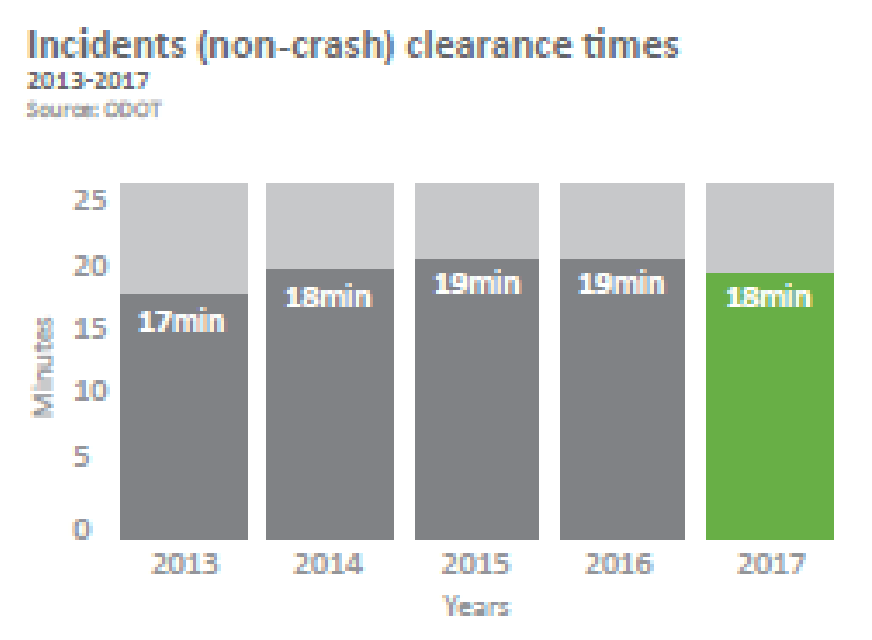
2018 TRAFFIC PERFORMANCE REPORT

Incidents

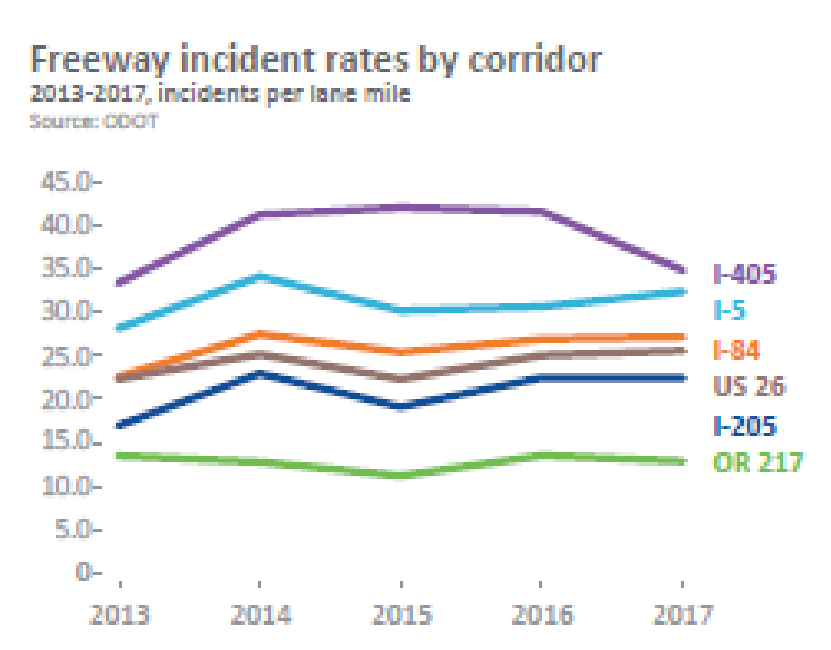


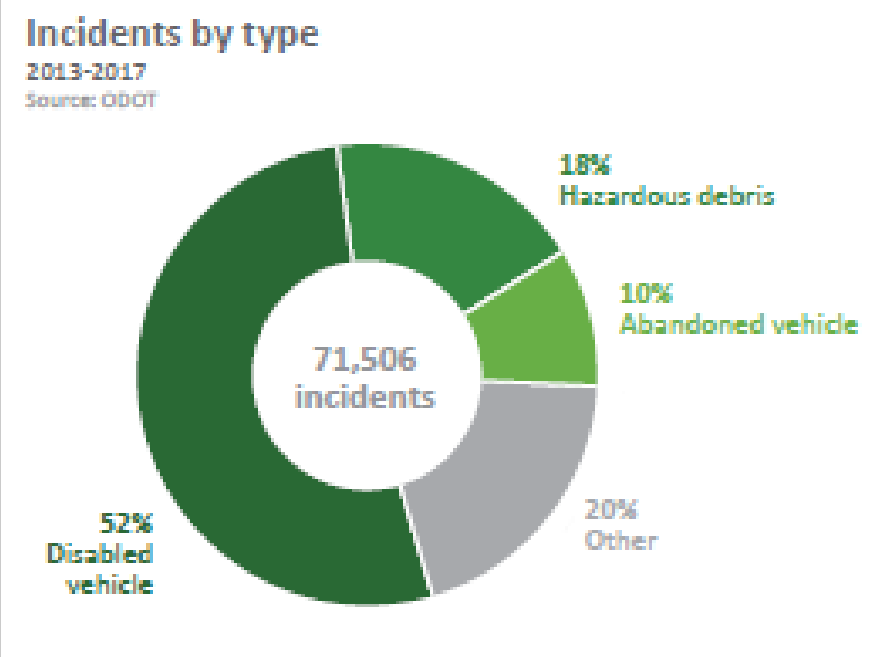
2018 TRAFFIC PERFORMANCE REPORT



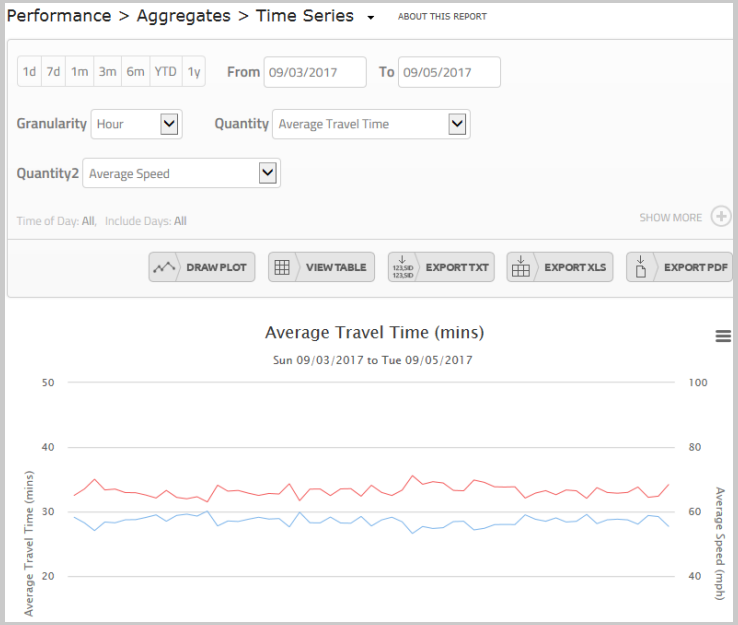


2018 TRAFFIC PERFORMANCE REPORT





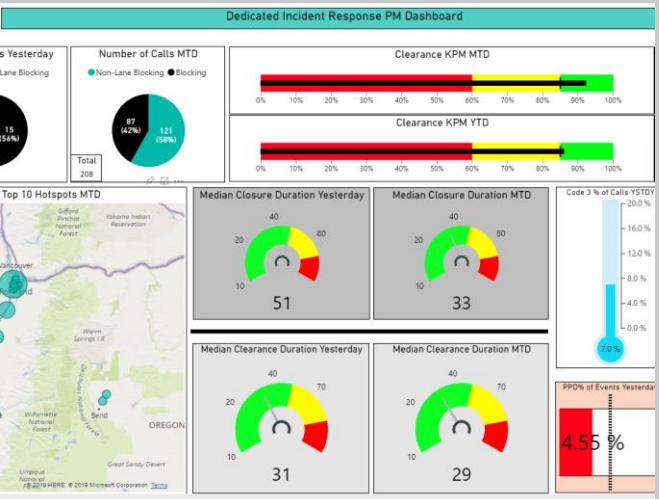
Future Reports/Reporting Tools
Where we want to go:

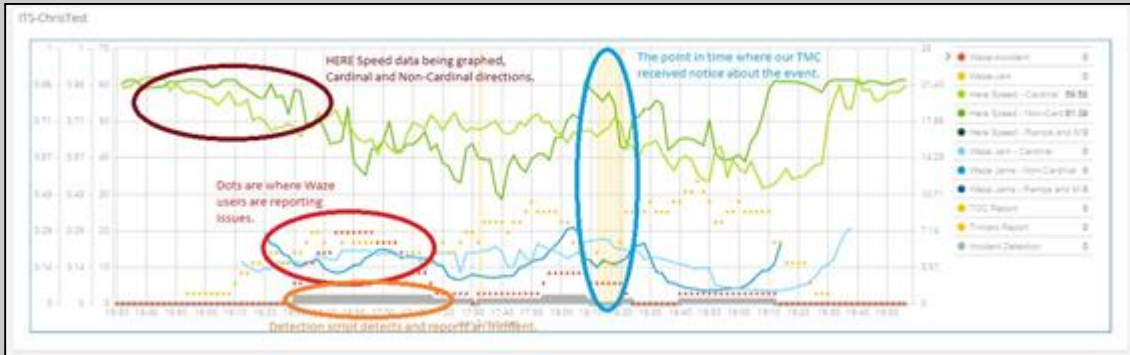


- **Power BI**
- **iPeMS**
- **WAZE**
- **Live Reports**
- **Partnership Reports**

Current

- E-Mail Blasts
- SSRS Reports
- INVIEW Reports
- Trip Check





THANK YOU.