

All Roads Transportation Safety (ARTS) Program

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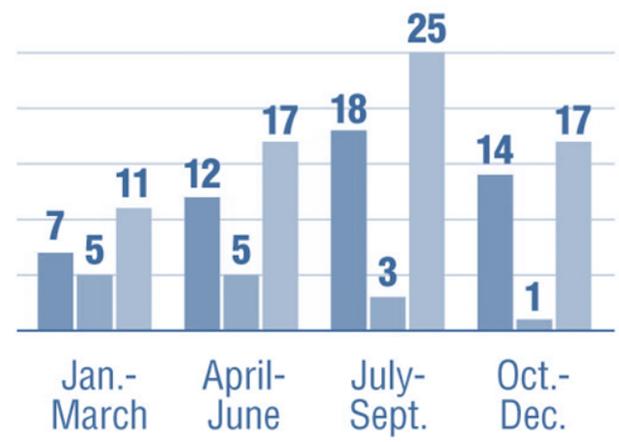
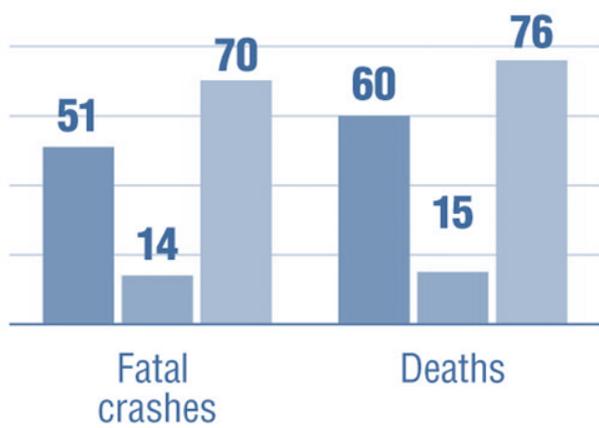
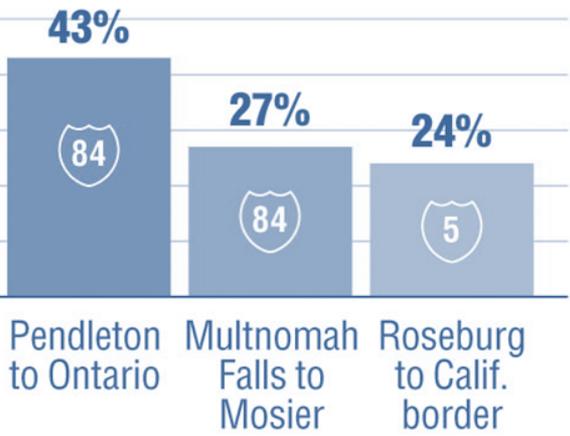




Oregon averages 1700 fatal and serious injury crashes each year



HSIP was traditionally only spent on State Highways, but 50% of our Fatal and Serious injury crashes occur on local agency roads



OTHER CRASH STATISTICS

from Jan. 1, 2002, to Dec. 31, 2011

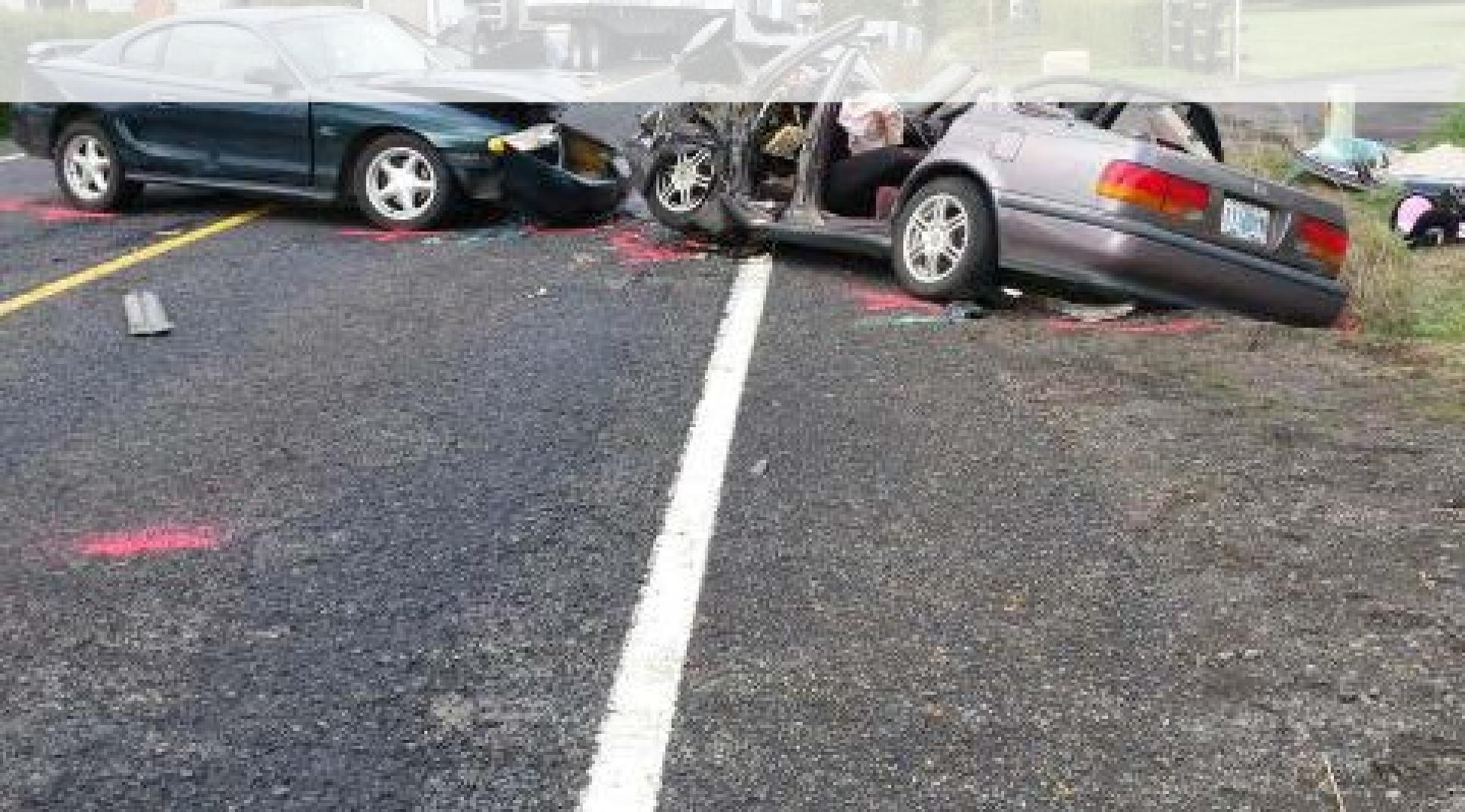


We are developing a data driven process targeted at reducing Fatal and serious injuries



**Using proven Safety Countermeasures
and prioritizing based benefit/cost, most
good for dollar spent**

Using traditional hot spot methods we will target locations with histories of fatal and serious crashes



Using the Systemic approach half the funding will be used for low cost measures that can be widely implemented



ODOT rolled out a Transition program in 2013 to begin addressing local road safety with systemic measures



Region 1 ARTS Program

Project Selection
and Refinement

Funding Estimates

Who to call?



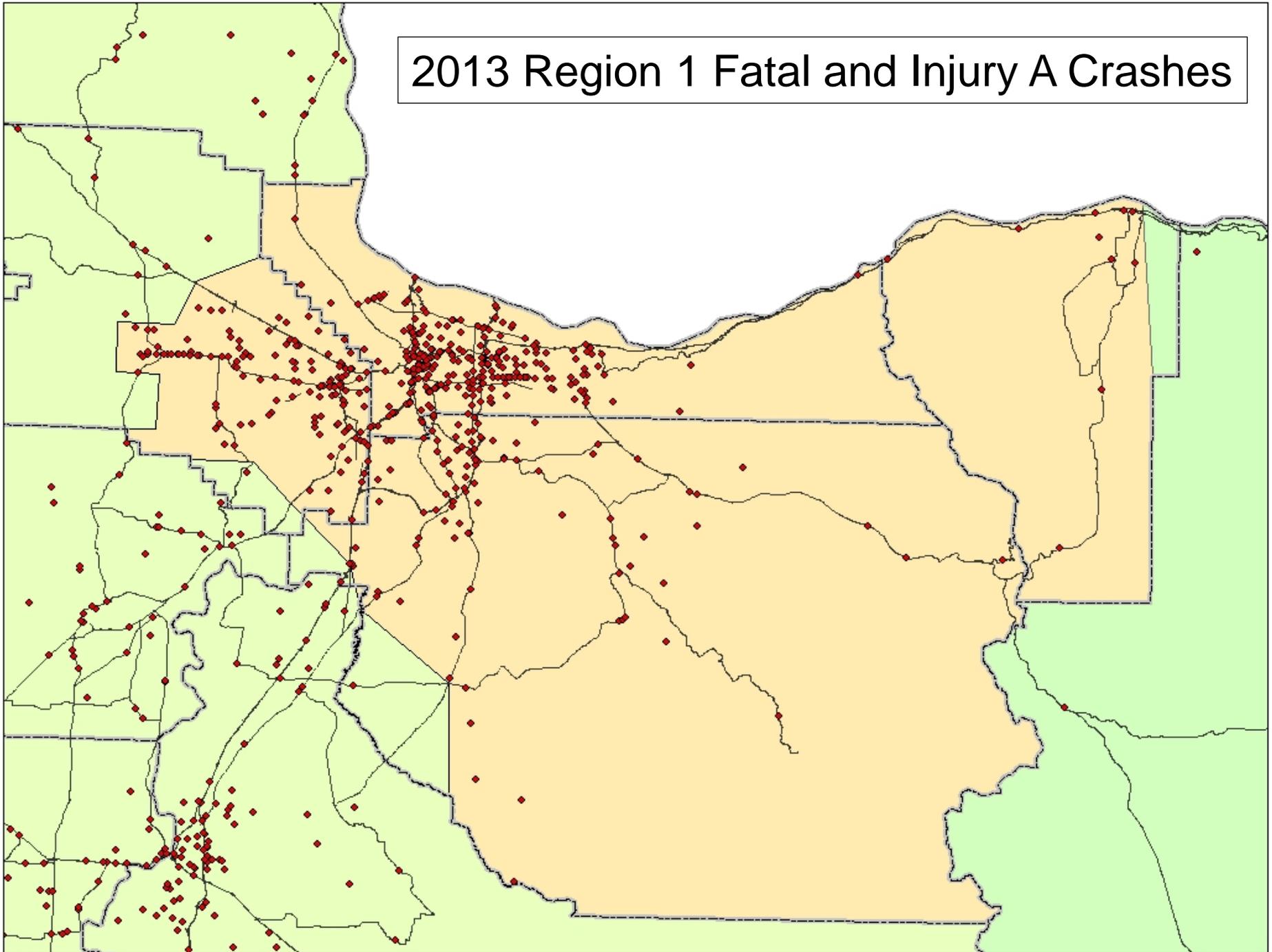
**ARTS funding will be split 50/50 between
hot spot and systemic**





Hot Spot lists will be developed by ODOT and shared with local agencies who will give input into the selection of the hot spot projects

2013 Region 1 Fatal and Injury A Crashes





Systemic selection will be through an application process, funding for each emphasis area will be split roughly proportional to the amount of F&A

Fatal and serious injury crash locations are **random!**



Impossible to predict where the next will occur.

What is Systemic Road Safety

- Systemic looks at aggregate crash trends to identify potential concerns or focus areas
- Uses low cost, proven countermeasures to address system wide problems
- Can be used over multiple locations with similar characteristics or crash trends to effectively reduce fatal and serious injury crash on our transportation system
- May identify different locations or corridors than traditional “hot spot” approach



Systemic Project Selection

1. Identify focus areas based on crash trends
2. Identify the low cost countermeasures that effectively reduce fatal and serious injury crashes
3. Search crash data system for crash types treated by the selected countermeasures to determine priority locations
4. Confirm countermeasures effectively address the crash trends for the corridor or location
5. Implement low-cost, cost-effective countermeasures in locations with highest impact on reducing fatal and serious injury crashes

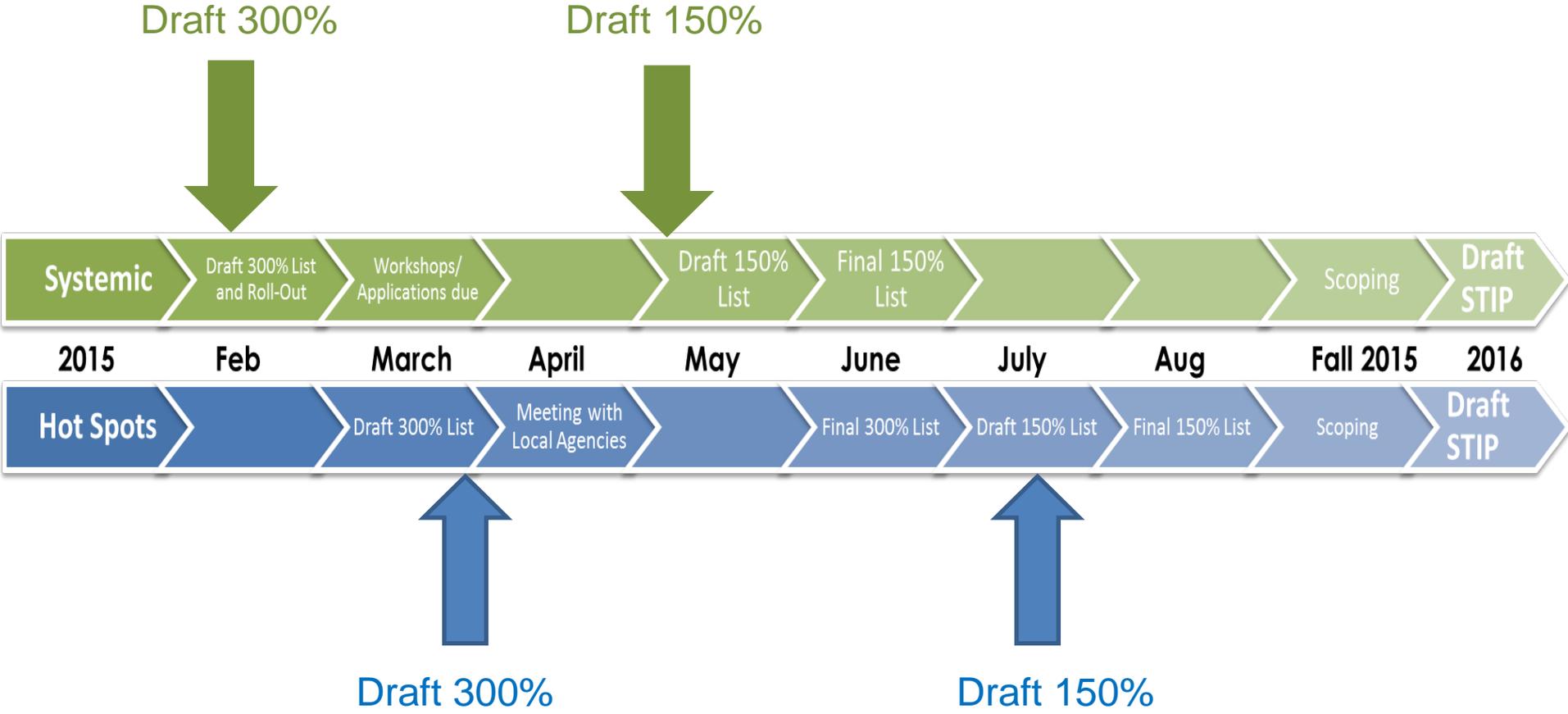


Example of a Systemic Road Departure Project

1. Select a corridor from the Draft 300% Systemic Road Departure list
2. Determine crash trends in corridor
3. Select appropriate countermeasure from CRF list
 - Enhanced signs at curves
 - Centerline and shoulder rumble strips
 - Alignment delineation
 - Fixed object removal.
4. Estimate cost for appropriate countermeasures.
5. Apply benefit / cost
6. Submit Application



Region 1 ARTS Process (Timeline)



Region 1 ARTS Systemic Program Dates

Feb 10th – ARTS Systemic **Roll-Out Meeting** @ ODOT, 2:00pm-4:00pm

Feb 26th – ARTS Systemic **Workshop** @ ODOT, 9:30am-11:30am

March 5th – ARTS Systemic **Workshop** @ ODOT, 9:30am-11:30am

Week of March 9th – ARTS Systemic **Workshop**, TBD

March 27th – Systemic **Applications Due**

For more information:

http://www.oregon.gov/ODOT/HWY/TRAFFIC-ROADWAY/Pages/ARTS.aspx#Systemic_Approach



Thank You

For more info, please contact:

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