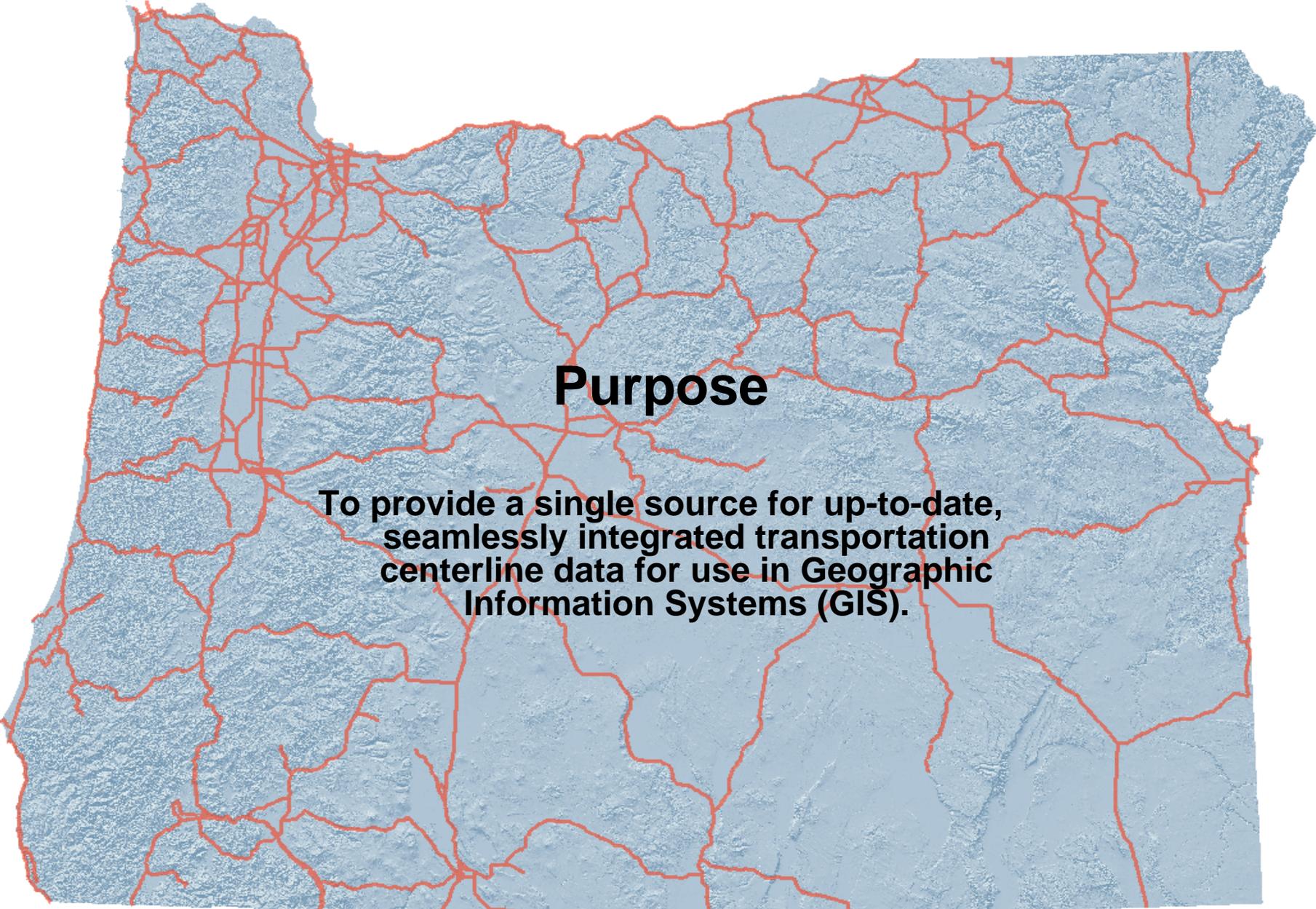
A topographic map of the state of Oregon, rendered in shades of blue and grey to show terrain. A network of red lines is overlaid on the map, representing a transportation network. The lines are most dense in the western part of the state, particularly around the Willamette Valley, and become sparser towards the eastern and southern regions. The text 'OR-Trans' is centered over the map in a large, bold, italicized font.

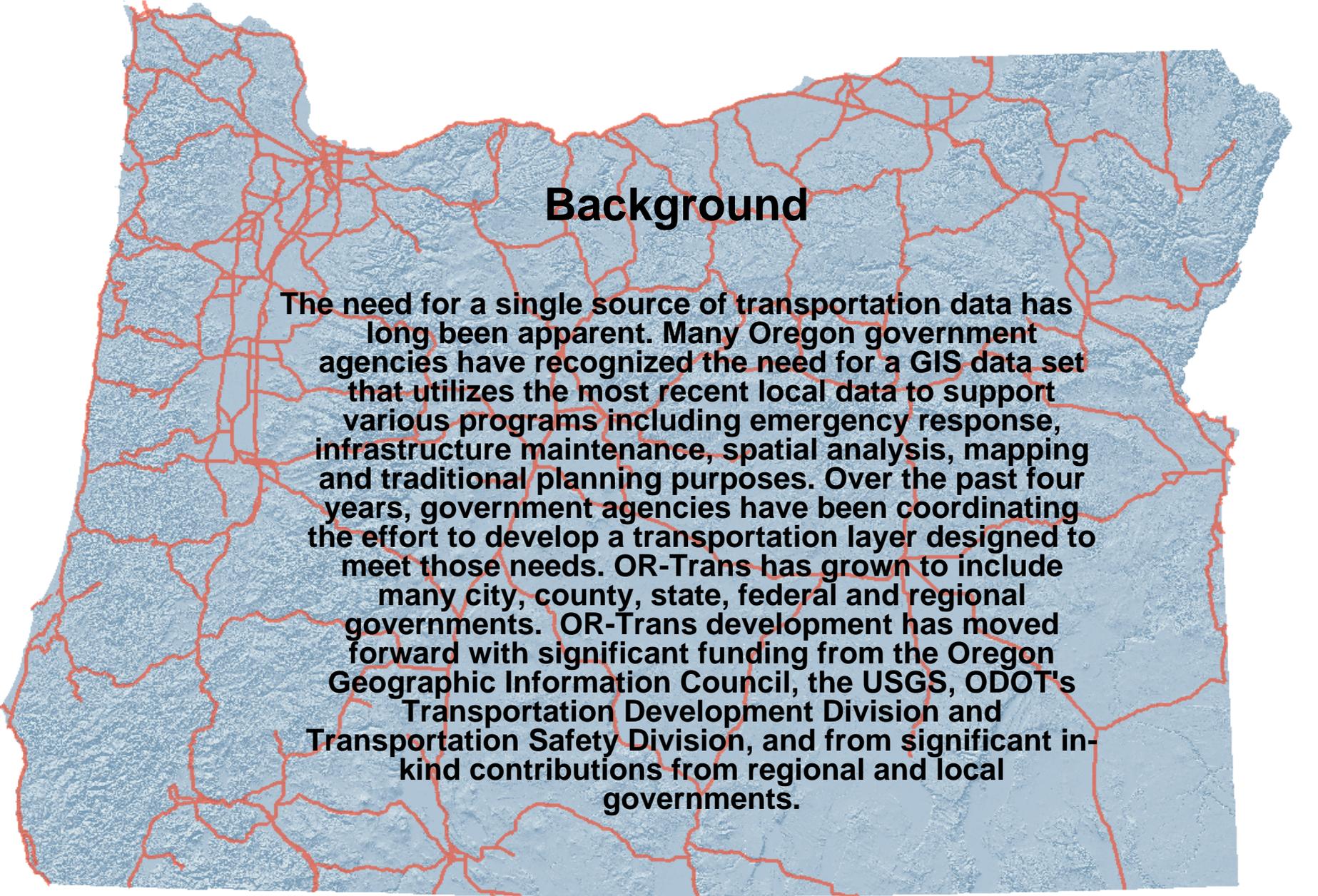
OR-Trans

Oregon Transportation Network for GIS

A map of the state of Oregon, filled with a light blue color. Overlaid on the map is a network of red lines representing transportation centerlines. The lines are more densely packed in the western part of the state, particularly around the Portland area, and become sparser towards the eastern and southern regions. The text 'Purpose' is centered on the map.

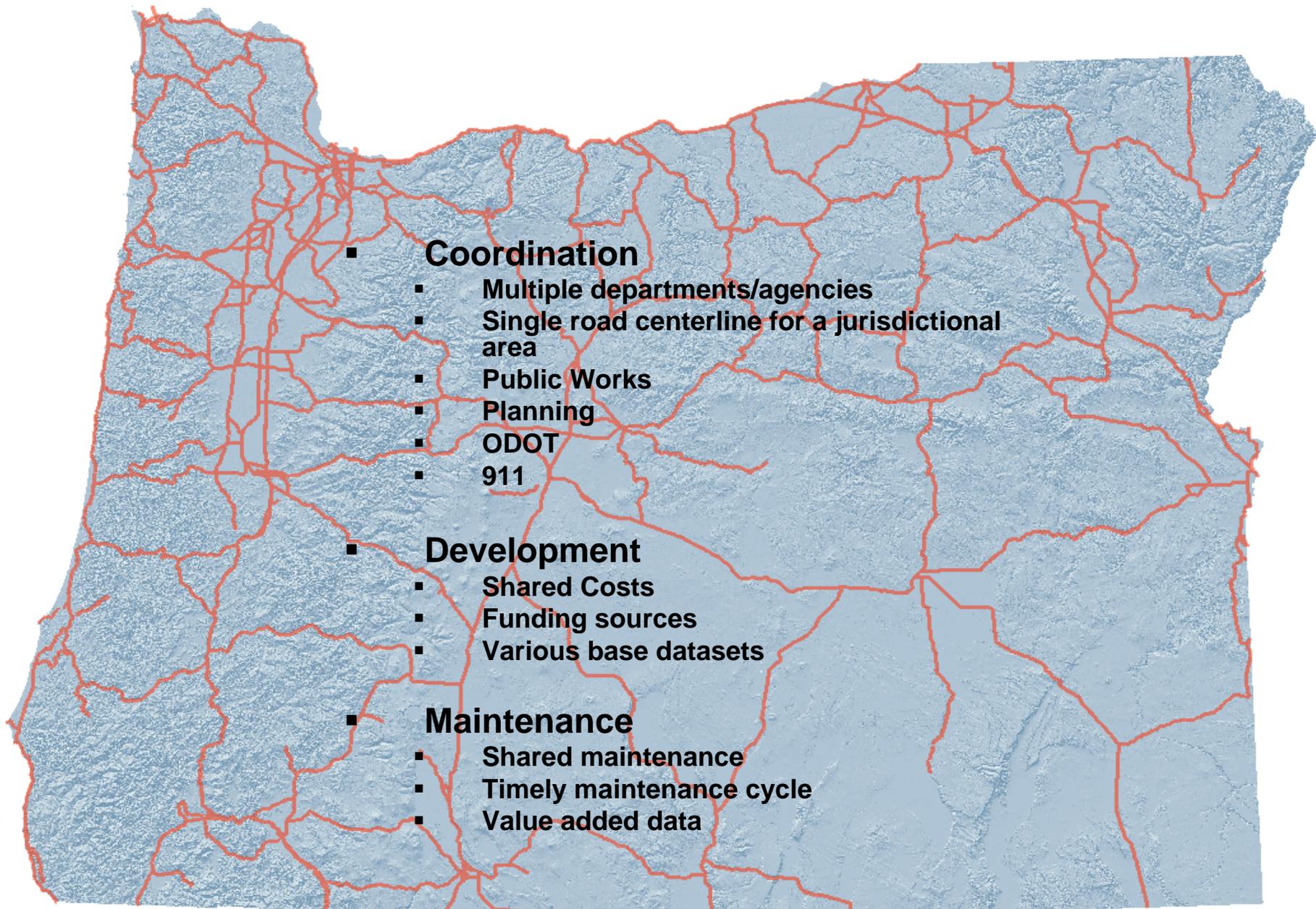
Purpose

To provide a single source for up-to-date, seamlessly integrated transportation centerline data for use in Geographic Information Systems (GIS).



Background

The need for a single source of transportation data has long been apparent. Many Oregon government agencies have recognized the need for a GIS data set that utilizes the most recent local data to support various programs including emergency response, infrastructure maintenance, spatial analysis, mapping and traditional planning purposes. Over the past four years, government agencies have been coordinating the effort to develop a transportation layer designed to meet those needs. OR-Trans has grown to include many city, county, state, federal and regional governments. OR-Trans development has moved forward with significant funding from the Oregon Geographic Information Council, the USGS, ODOT's Transportation Development Division and Transportation Safety Division, and from significant in-kind contributions from regional and local governments.



- **Coordination**

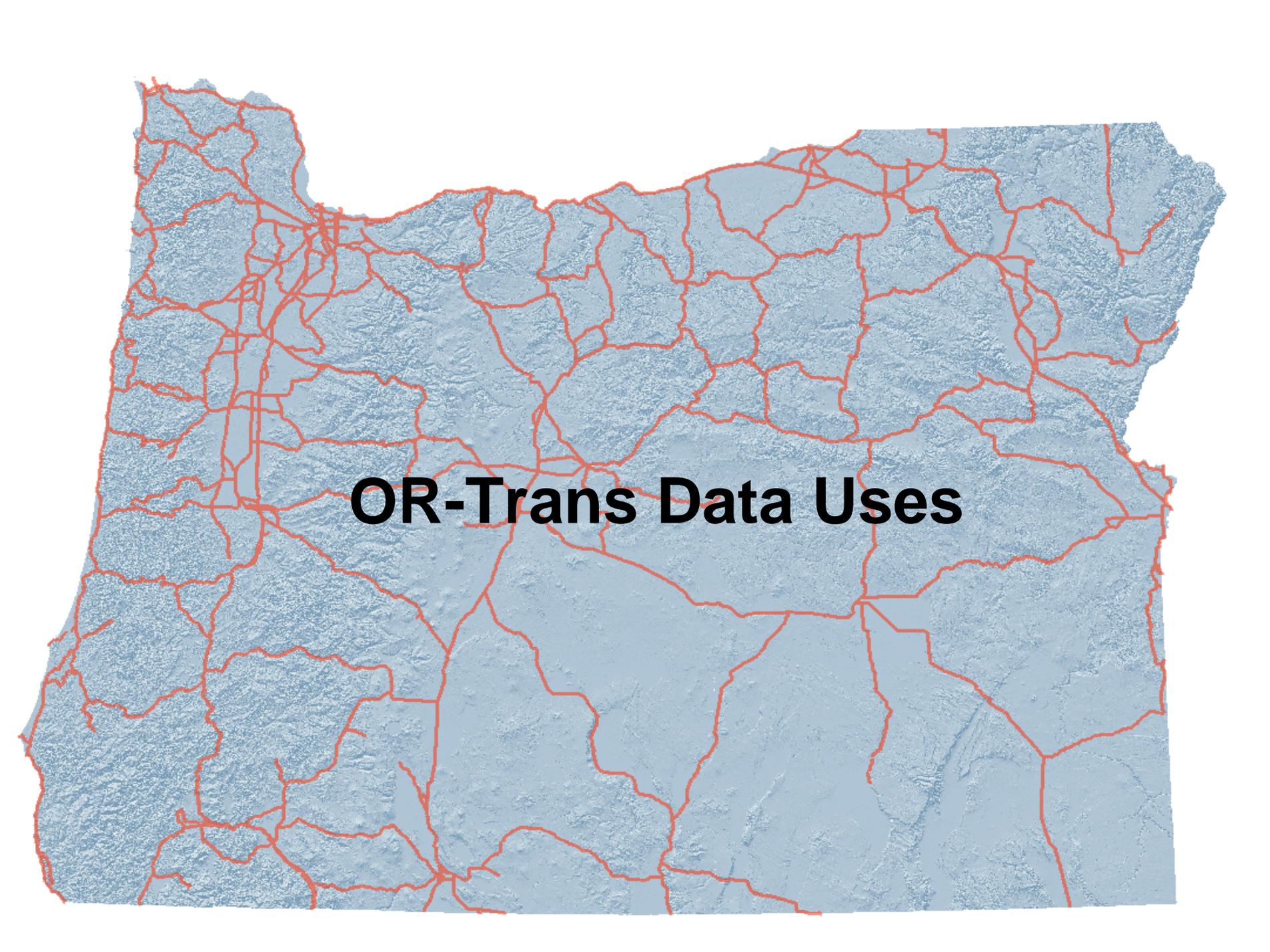
- Multiple departments/agencies
- Single road centerline for a jurisdictional area
- Public Works
- Planning
- ODOT
- 911

- **Development**

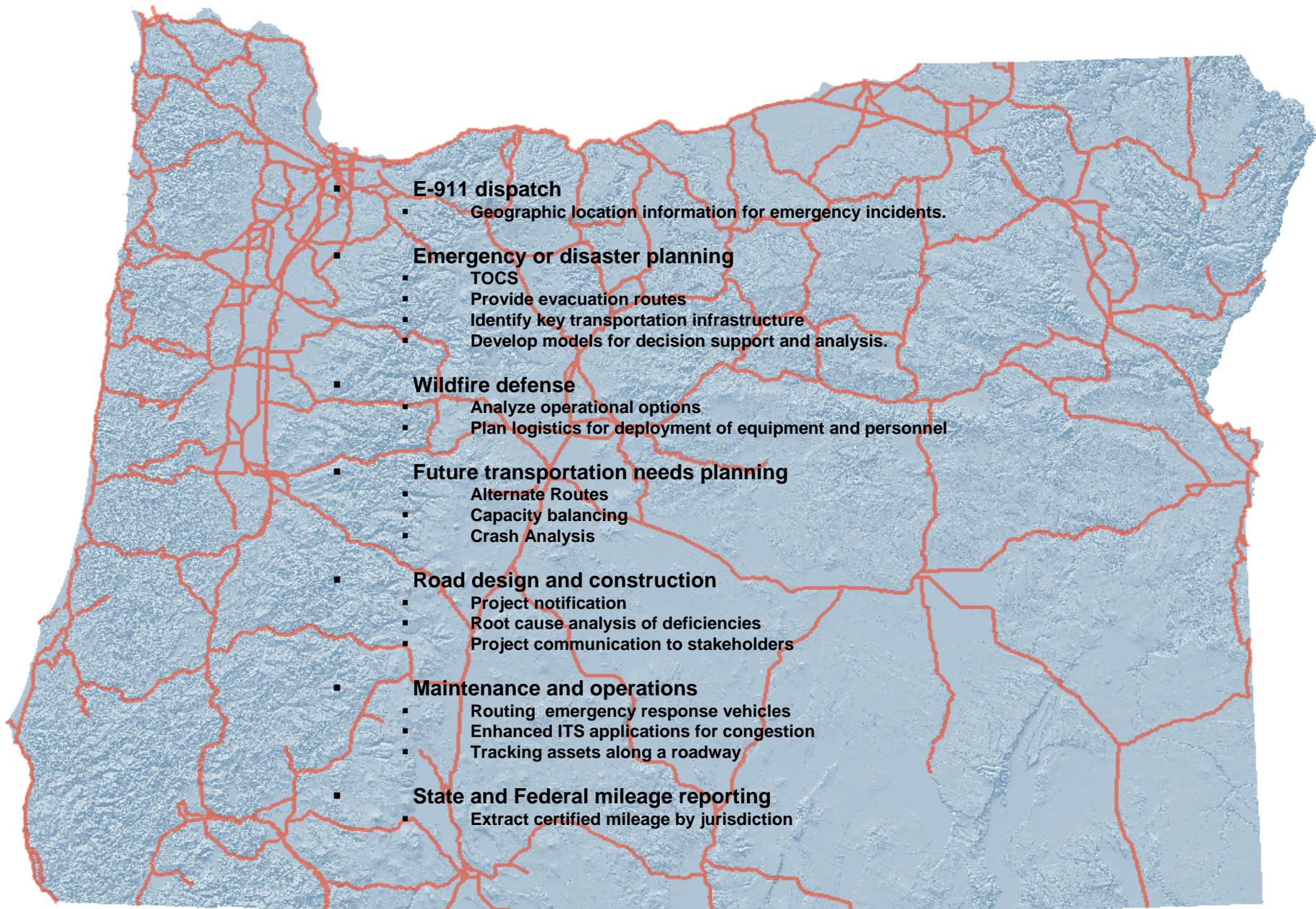
- Shared Costs
- Funding sources
- Various base datasets

- **Maintenance**

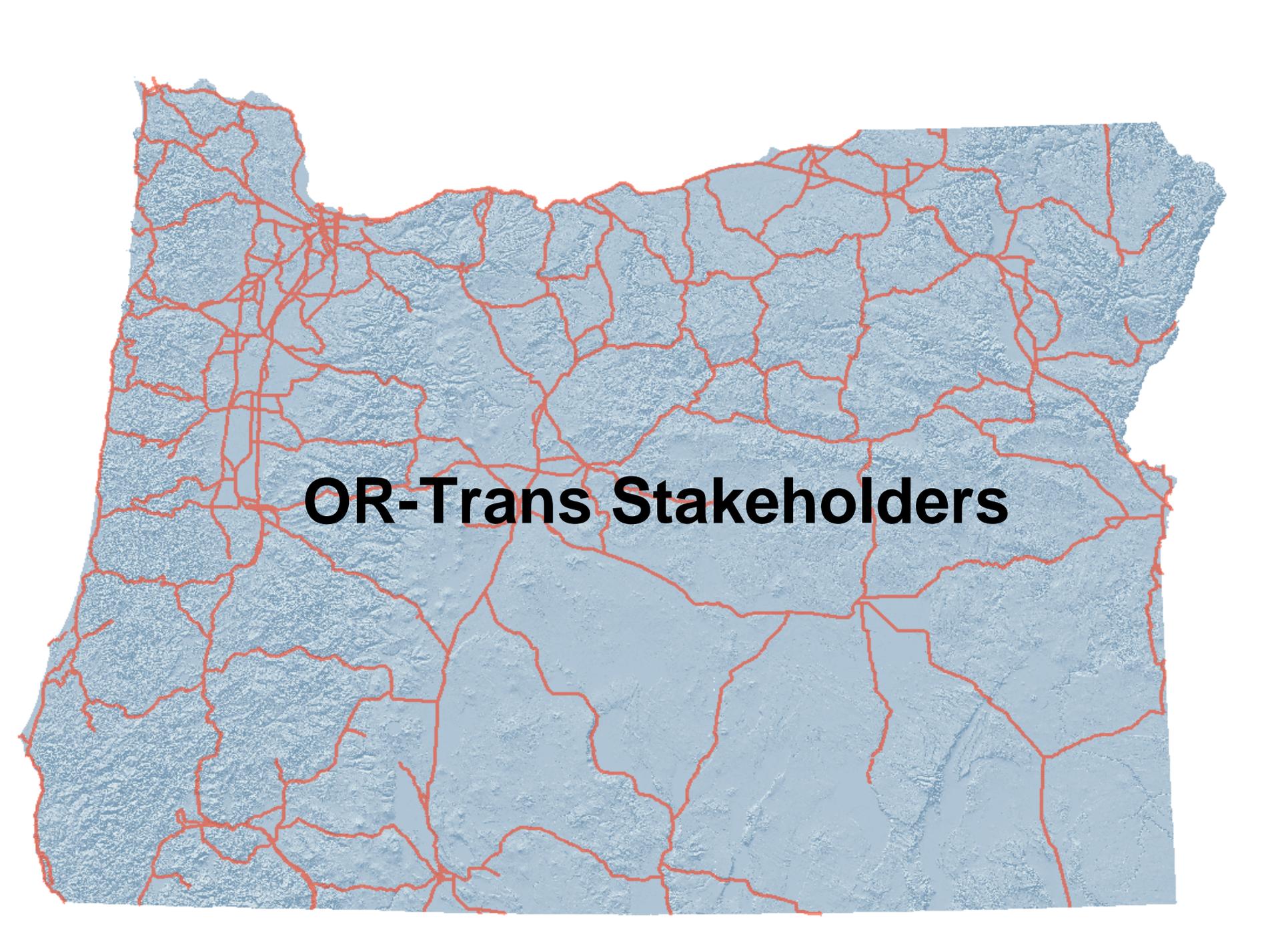
- Shared maintenance
- Timely maintenance cycle
- Value added data



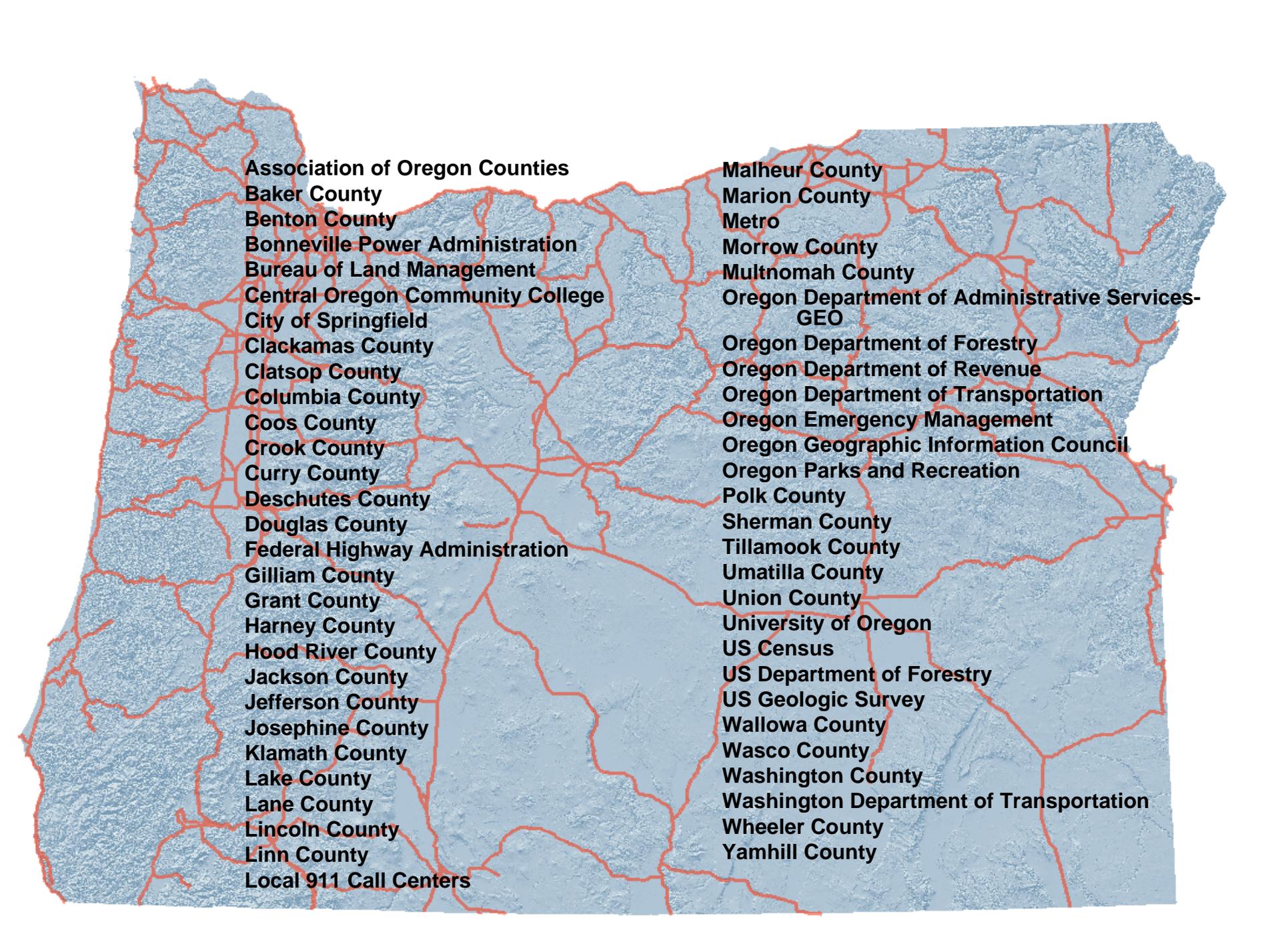
OR-Trans Data Uses



- **E-911 dispatch**
 - Geographic location information for emergency incidents.
- **Emergency or disaster planning**
 - TOCS
 - Provide evacuation routes
 - Identify key transportation infrastructure
 - Develop models for decision support and analysis.
- **Wildfire defense**
 - Analyze operational options
 - Plan logistics for deployment of equipment and personnel
- **Future transportation needs planning**
 - Alternate Routes
 - Capacity balancing
 - Crash Analysis
- **Road design and construction**
 - Project notification
 - Root cause analysis of deficiencies
 - Project communication to stakeholders
- **Maintenance and operations**
 - Routing emergency response vehicles
 - Enhanced ITS applications for congestion
 - Tracking assets along a roadway
- **State and Federal mileage reporting**
 - Extract certified mileage by jurisdiction

A topographic map of the state of Oregon, rendered in shades of blue and grey to show terrain. Red lines delineate the county boundaries across the state. The text "OR-Trans Stakeholders" is centered on the map in a bold, black, sans-serif font.

OR-Trans Stakeholders

A map of Oregon with county boundaries highlighted in red. The map is overlaid with a list of various organizations and agencies, arranged in two columns. The background of the map is a light blue topographic relief.

Association of Oregon Counties
Baker County
Benton County
Bonneville Power Administration
Bureau of Land Management
Central Oregon Community College
City of Springfield
Clackamas County
Clatsop County
Columbia County
Coos County
Crook County
Curry County
Deschutes County
Douglas County
Federal Highway Administration
Gilliam County
Grant County
Harney County
Hood River County
Jackson County
Jefferson County
Josephine County
Klamath County
Lake County
Lane County
Lincoln County
Linn County
Local 911 Call Centers

Malheur County
Marion County
Metro
Morrow County
Multnomah County
**Oregon Department of Administrative Services-
GEO**
Oregon Department of Forestry
Oregon Department of Revenue
Oregon Department of Transportation
Oregon Emergency Management
Oregon Geographic Information Council
Oregon Parks and Recreation
Polk County
Sherman County
Tillamook County
Umatilla County
Union County
University of Oregon
US Census
US Department of Forestry
US Geologic Survey
Wallowa County
Wasco County
Washington County
Washington Department of Transportation
Wheeler County
Yamhill County

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Web Sites

- **OR-Trans**
<http://egov.oregon.gov/ODOT/TD/TDATA/gis/TransFIT.shtml>
- **Oregon's Road Authority database online**
<http://www.oregon.gov/ODOT/TD/TDATA/gis/roadAuthorities.shtml>
- **Transportation Pooled Fund Project**
http://www.wsdot.wa.gov/mapsdata/transframework/TPF_Pilot.htm
- **WA-Trans**
<http://www.wsdot.wa.gov/mapsdata/TransFramework/default.htm>