

Regional Emergency Transportation Routes Update

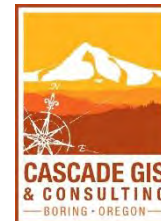
Washington County Coordinating Committee Review of Phase 1 Draft Report

March 15, 2021



Project Team: RDPO, Metro

Thuy Tu Consulting, LLC, Salus Resilience, Cascade GIS & Consulting, FLO
Analytics



Project Purpose



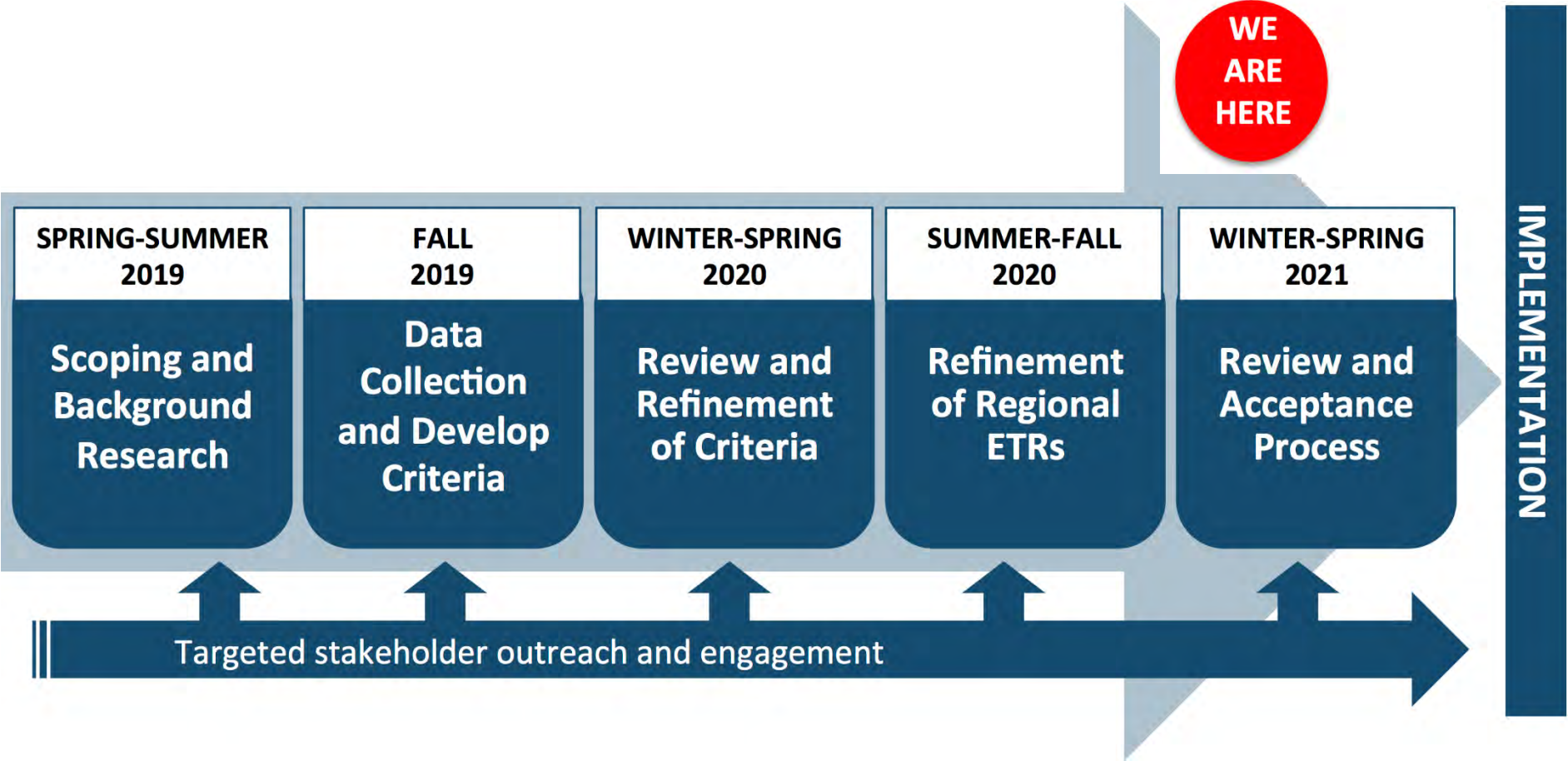
To update designated Regional Emergency Transportation Routes (RETRs) for the five-county region.

- Update 1996 and 2005/2006 ETRs
- Improve understanding of resilience of ETRs
- Raise visibility of ETRs
- Facilitate regional dialogue regarding resilience and recovery
- Set the stage for Phase 2 and future planning and investment

Regional ETR Update Work Group



Project Timeline



Stakeholder engagement | 2019 and 2020

- 7 Regional ETR work group meetings (2019-2020)
- 2 TPAC/MTAC workshops (2019-2020)
- 1 community leaders' forum (2019)
- 10 county-level coordinating committee briefings (staff and policy) (2020)
- 3 county-level coordinating committee meetings (policy) (2020)
- 8 jurisdictional specific meetings to review draft maps (2020)
- 3 REMTEC briefings (2019-2020)
- 2 Public Works work group briefings (2020)
- 3 RDPO Steering Committee briefings (2019-2020)
- 1 Joint Policy Advisory Committee on Transportation briefing (2019)
- 1 Metro Council briefing (2020)
- 1 Southwest Washington Regional Transportation Council briefing (2020)



More than
40
touch points
in 2019 and
2020



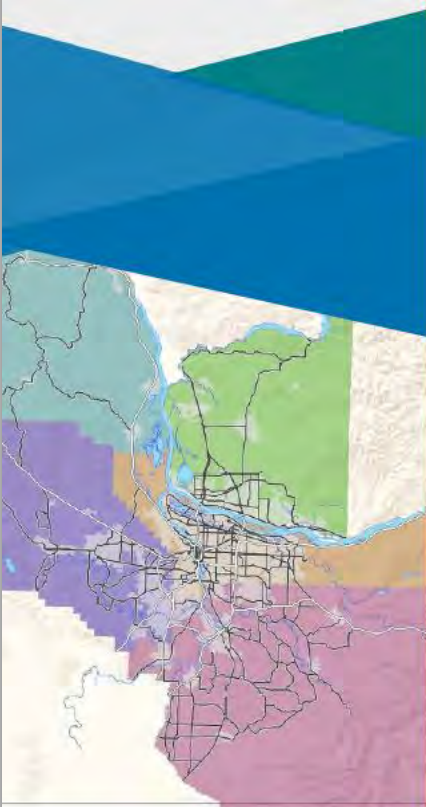
zoom


Overview of Draft Final Report


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Appendices





TU Consulting, LLC



SALUS RESILIENCE

DRAFT

Phase I Draft Report
**Regional Emergency
Transportation Routes Update**
for the Portland-Vancouver Metropolitan
Region in Oregon and Washington

Prepared for


RDPO
Regional Disaster Preparedness Organization
13000 Progress Parkway


Metro

February 4, 2021
154-035-016

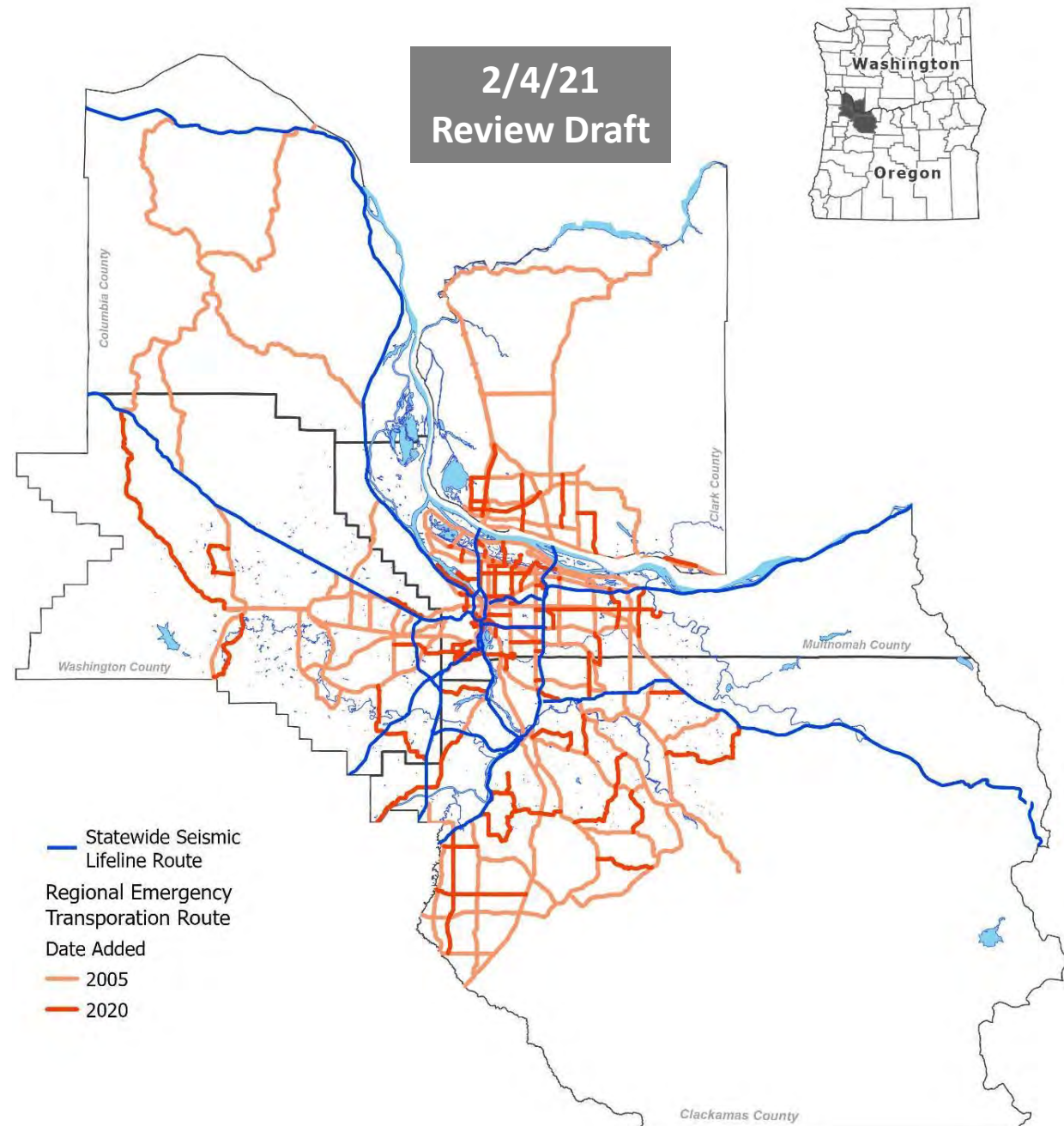
Thuy Tu Consulting, LLC
3510 NE 15th Avenue, Suite 210
Portland, OR 97212
503.490.6389

Salus Resilience
6420 S Macadam Avenue, Suite 100
Portland, OR 97239
503.620.7264



DRAFT Updated RETRs

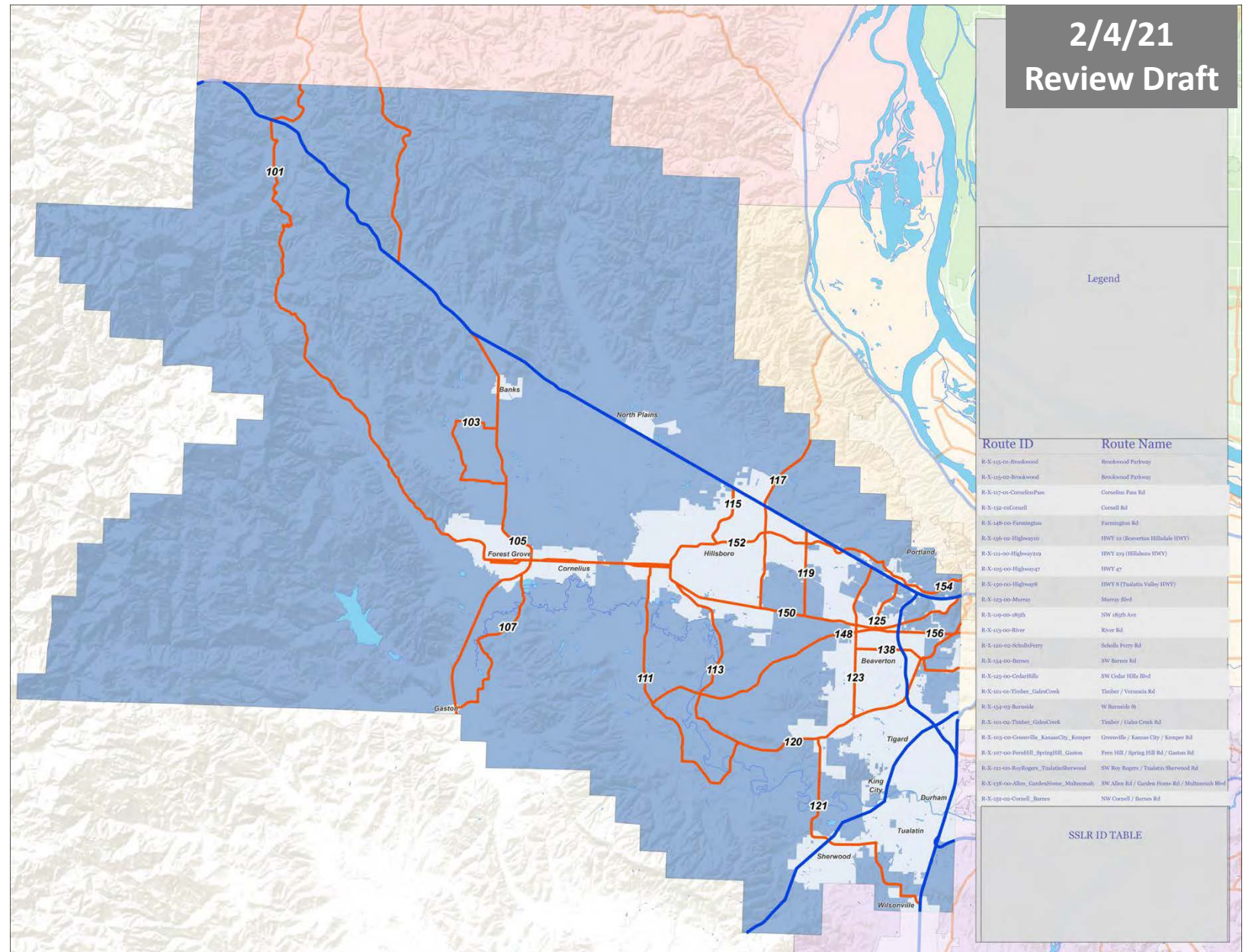
~40 routes added by jurisdictional partners to:

- connect to more state/regional critical assets
- reflect updates recommended through local planning and ODOT/County seismic lifeline bridge detour reviews
- add new and improved facilities



Draft Washington County Map

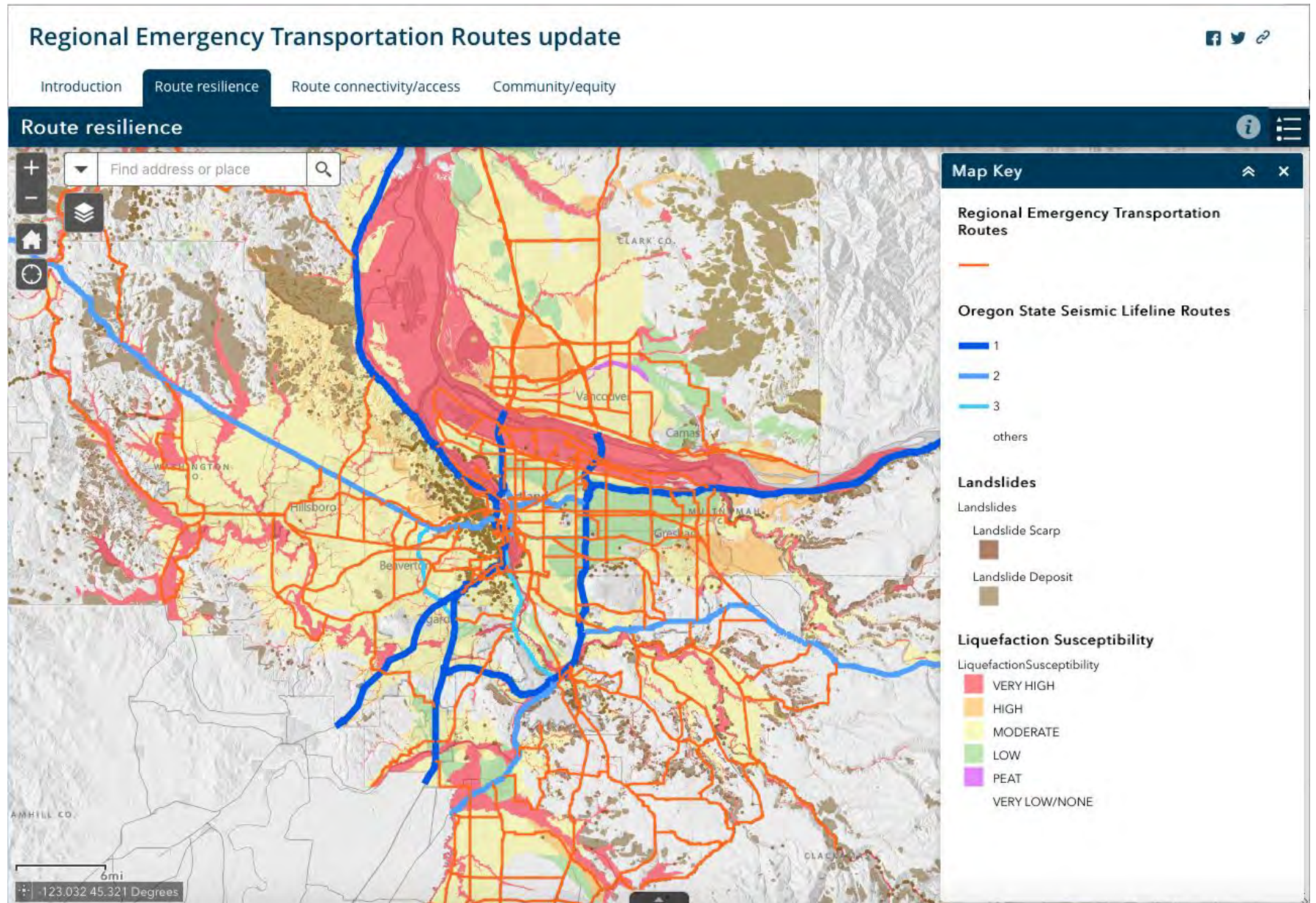
-  Statewide Seismic Lifeline Route
-  Regional Emergency Transportation Route



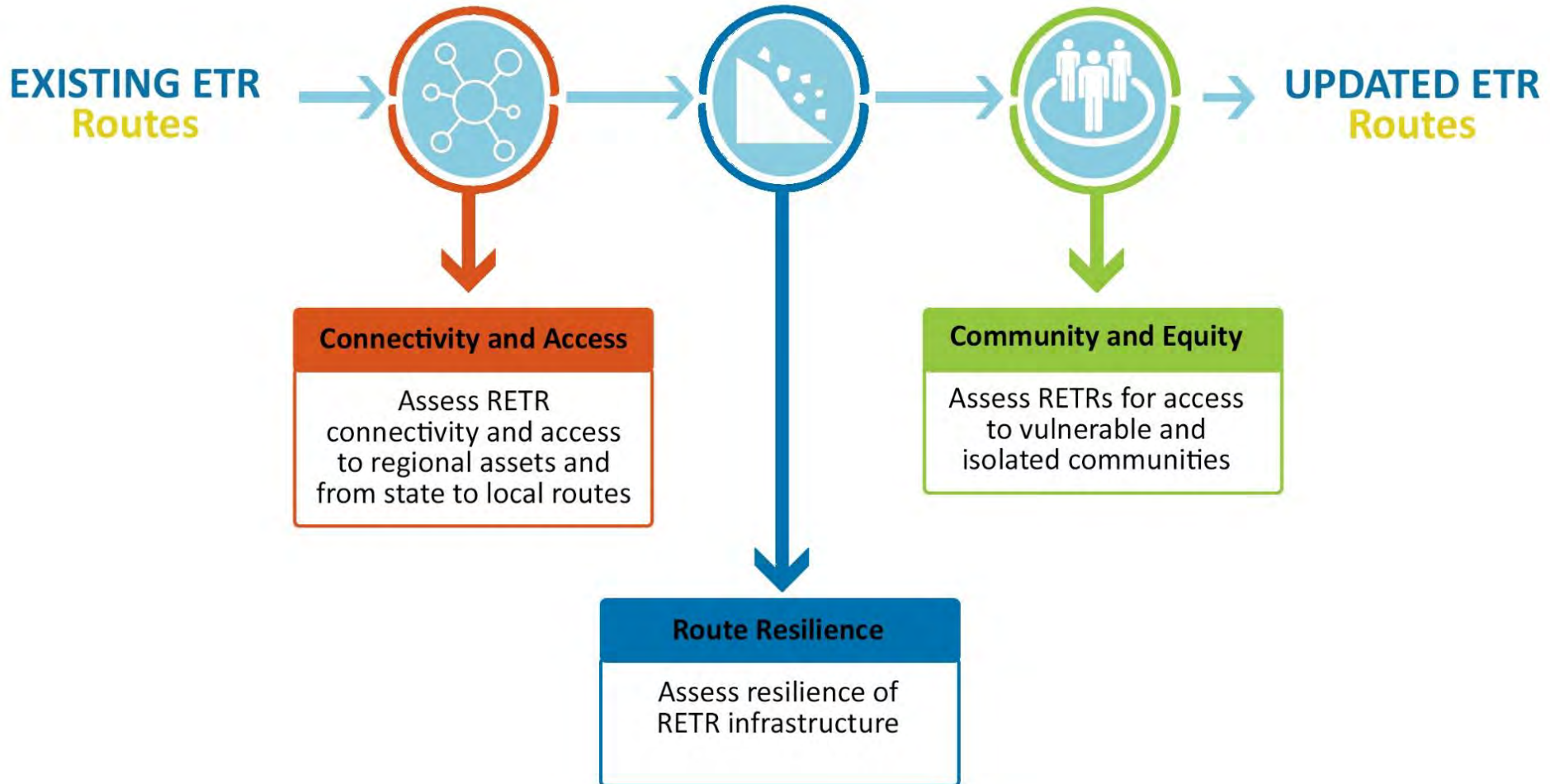
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On-line viewer

<https://arcg.is/0rWCX5>

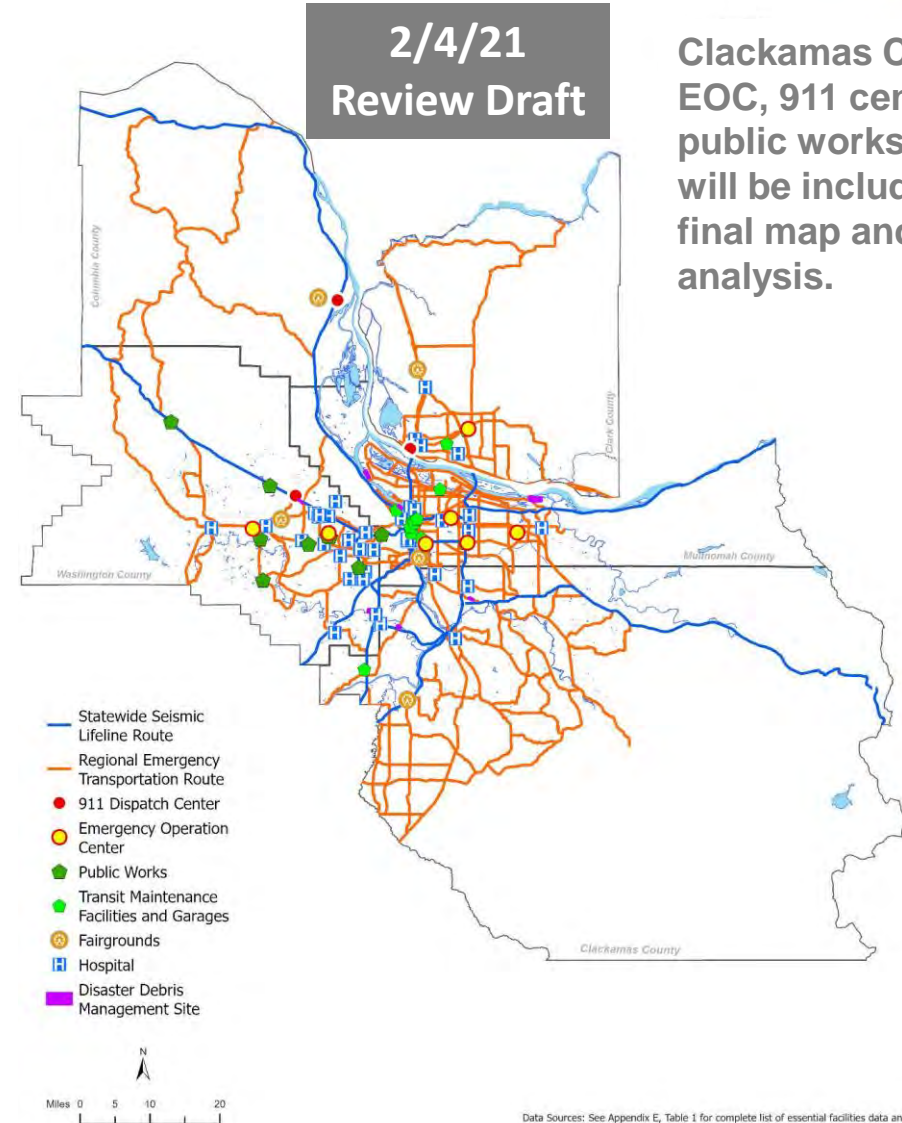
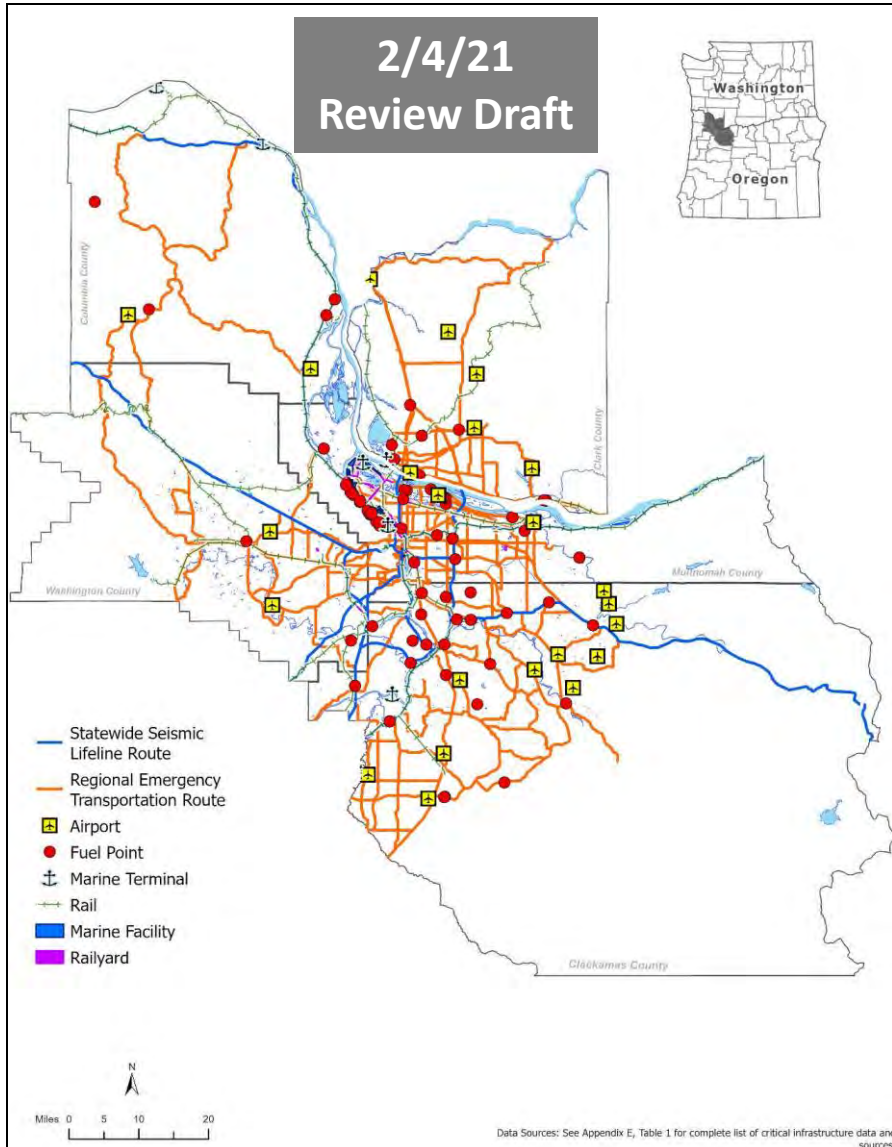
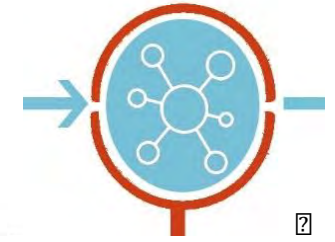


Factors Applied in RETR Update



RETR Connectivity and Access Findings

State/Regional critical assets

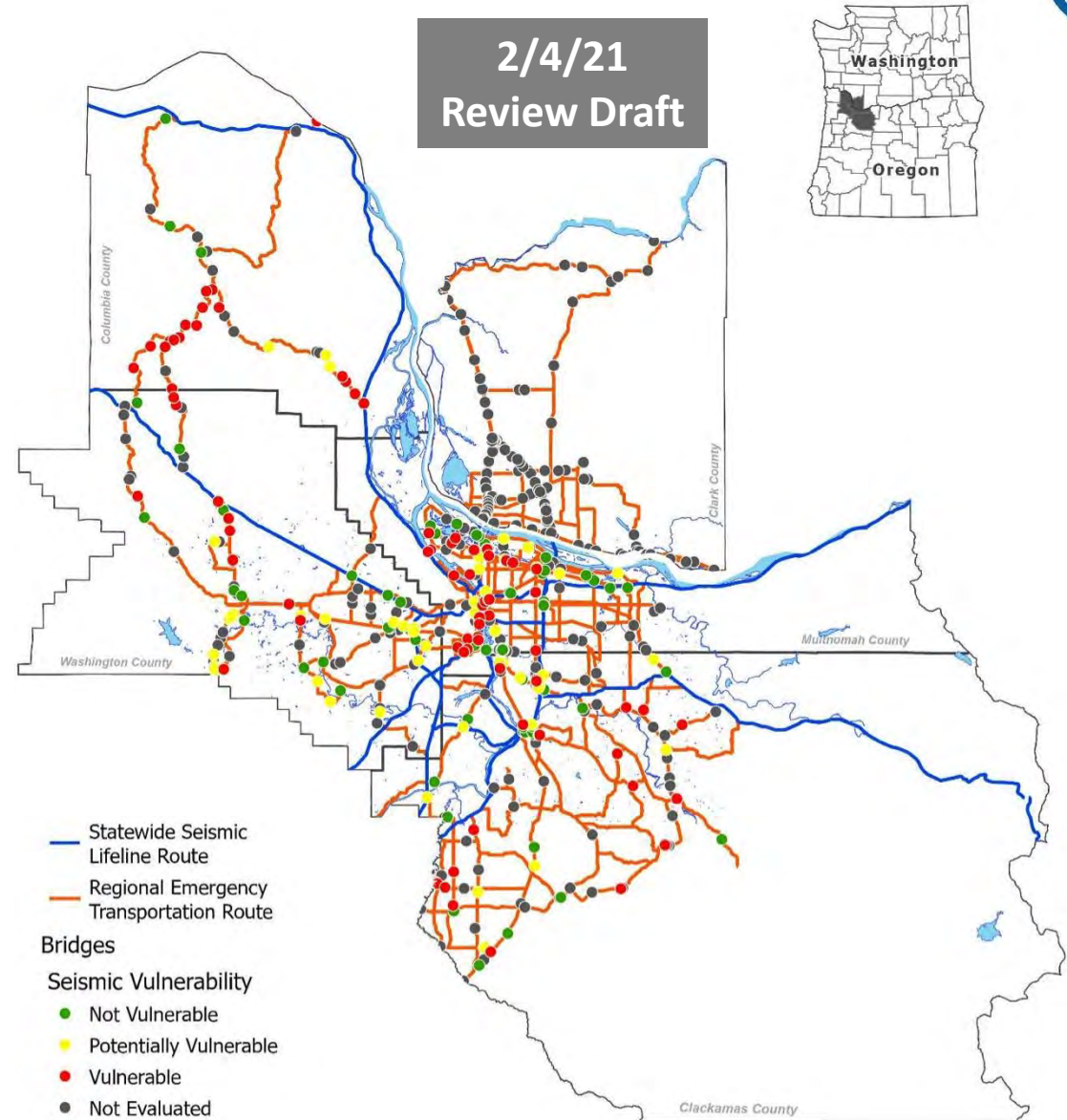


Clackamas County EOC, 911 center and public works sites will be included in final map and analysis.

RETR Resilience Findings

Vulnerable Bridges

- Vulnerable bridges greatly increase risk in region.
- Crossings of the Columbia and Willamette rivers are very vulnerable.
- Seismic and landslide impacts to roads and bridges will likely hinder connectivity and access during an emergency.

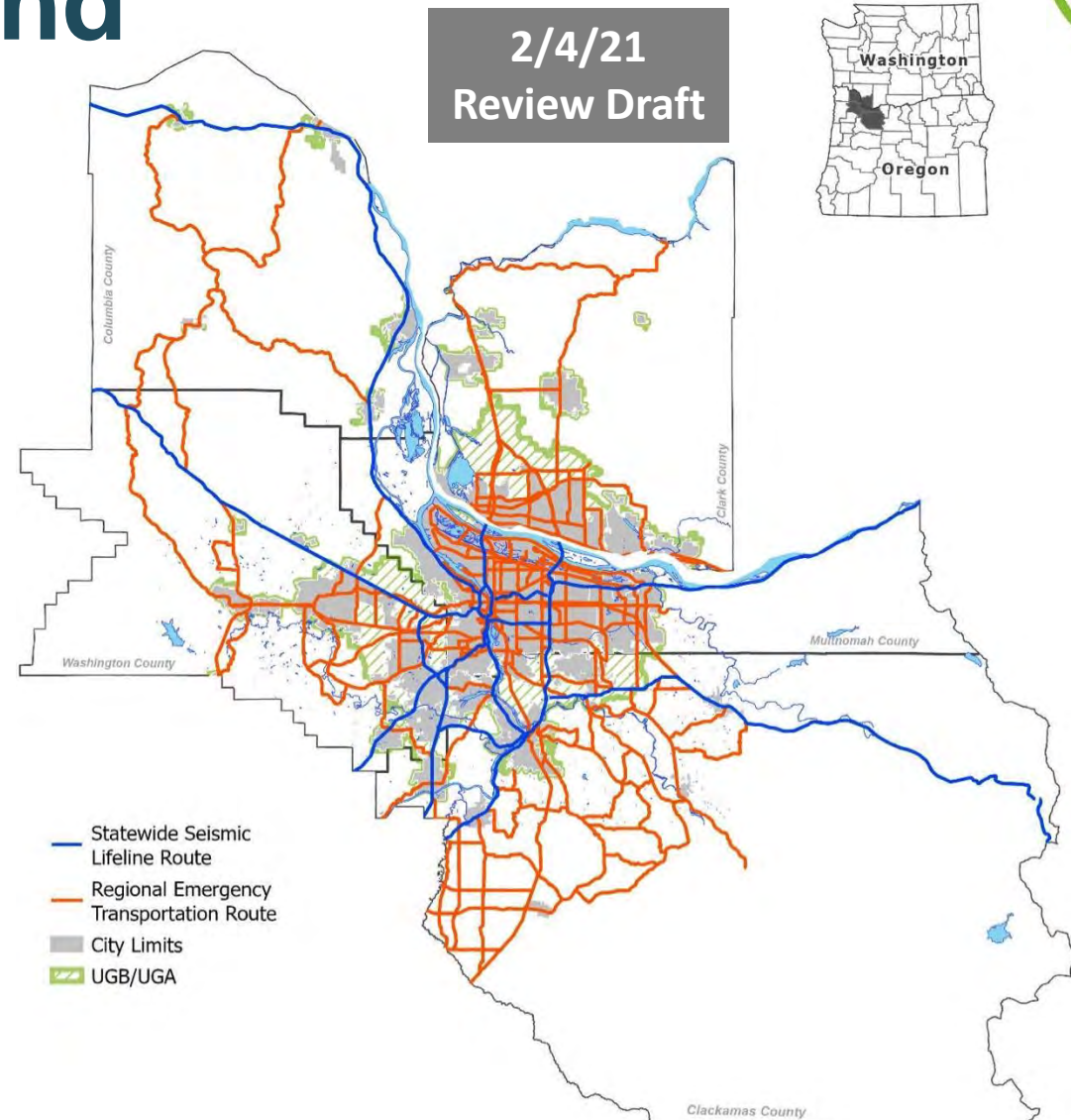


RETR Community and Equity Findings

Population Centers and Growth Areas



- provides adequate connectivity and access to communities
- limited alternate routes and transportation services in some rural areas with fewer travel options
- more in-depth equity analysis and community-specific engagement needed in future work

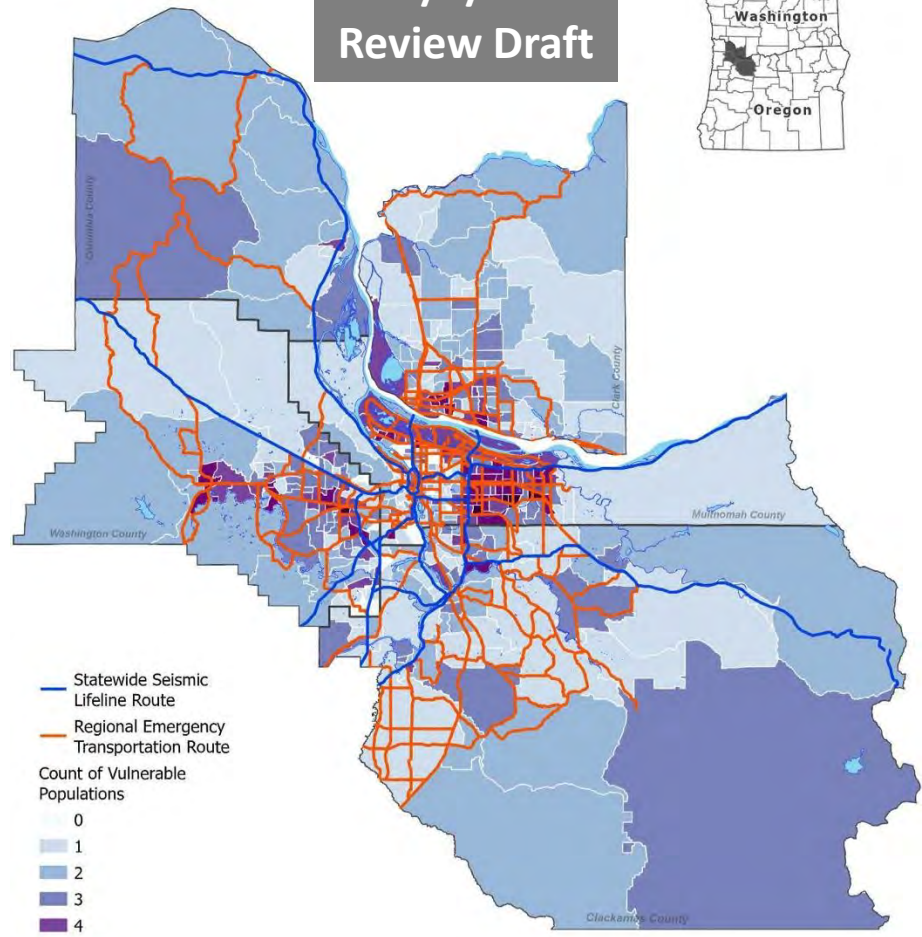




RETR Community and Equity Findings

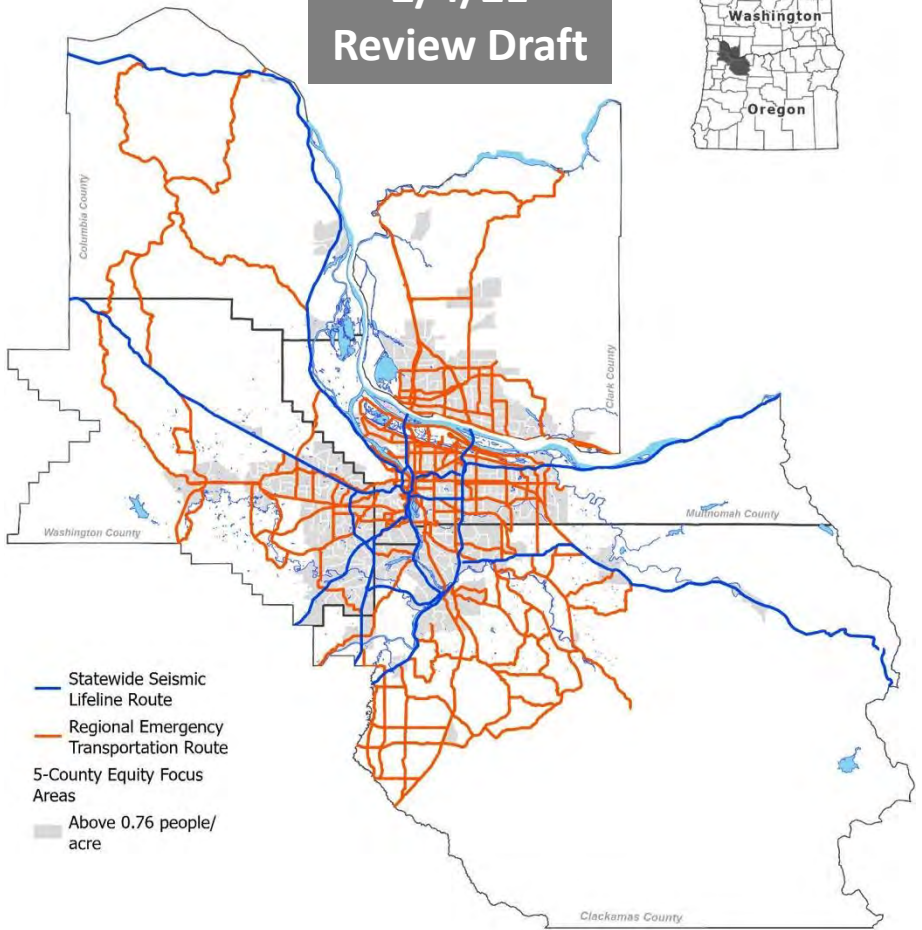
Vulnerable Populations and Equity Focus Areas

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- Statewide Seismic Lifeline Route
- Regional Emergency Transportation Route
- Count of Vulnerable Populations
- 0
- 1
- 2
- 3
- 4
- 5
- 6

2/4/21
Review Draft



- Statewide Seismic Lifeline Route
- Regional Emergency Transportation Route
- 5-County Equity Focus Areas
- Above 0.76 people/acre

Recommendations for Future Work

Recommendation	Level	Lead/Key Partner(s)
1. Integrate regional ETRs into other planning and investment decision-making processes	Regional	Various
2. Prioritize or tier the regional ETRs	Regional	RDPO & Metro (RETR Phase 2)
3. Develop RETR management plans to include: RETR operations in an emergency, evaluation of specific hazard events, maintenance and coordination between jurisdictions and transition to recovery	Local with regional facilitation	Local jurisdictions with facilitation by RDPO & Metro (RETR Phase 2)
4. Better address vulnerable populations	Regional	RDPO & Metro (RETR Phase 2 and Social Vulnerability Tool)
5. Integrate RETR and LETRs into evacuation planning	Local and regional	Various
6. Formalize the RETRs and agree to a plan for consistent updates	Regional	RDPO & Metro (Phase 2)
7. Engineering evaluation of top priority/tier routes for seismic upgrades	Local and regional	TBD
8. Evaluate river routes	Regional/State	Ports, Coast Guard & State Resilience Office
9. Develop equity-centered public messaging for transportation in emergencies	Regional	RDPO Public Messaging Task Force
10. Evaluate bike and pedestrian options for emergency transportation	Local	Various

Next Steps

Feb. and March

Broad stakeholder review

March

Refine draft maps and report to address feedback

April/May

SW RTC, JPACT and the Metro Council consider action

May

RDPO Policy Committee considers action

Dissemination Webinar

Thank you!

Laura Hanson, RDPO
Laura.hanson@portlandoregon.gov

Kim Ellis, Metro
kim.ellis@oregonmetro.gov



rdpo.net/emergency-transportation-routes