

GTVP Innovation and Seismic Subcommittee

DRAFT Outline of Innovation Vision and Recommendations

Innovation Vision Statement:

Oregon will be a leading state in the adoption of transportation innovation, through a governance, business, and regulatory environment that supports new technology. Oregon will be an early adopter of proven innovations and best practices developed in other states and at the national and international level. Oregon will advance innovation investments through public and private partnerships in service to the state's broad transportation goals. We will avoid unnecessary regulatory burdens and ensure innovation aligns with state priorities and safeguards the public interest.

Innovation Principles:

Through transportation innovation, Oregon will:

- *Improve public safety and health.*
- *Ensure mobility, and increase capacity by reducing congestion.*
- *Ensure equitable access to and benefits from new innovations.*
- *Collect, utilize and share information with partners to enhance innovation, while ensuring data privacy and public interests.*
- *Enhance system security and resiliency.*
- *Reduce the carbon intensity and overall carbon output of the transportation system.*
- *Promote a Multi-Modal Transportation System – Innovation priorities in the state agencies should support the integration of multiple transportation modes (rail, road, bike, ped, air, marine, etc.).*

Goals:

- **Adequate Funding** – Funding should provide resources to allow for, and where opportunities present themselves incentivize innovation within the agency and encourage partnerships.
- **Efficient Regulation** – Identify regulatory barriers and streamline regulations and to speed innovative technologies, projects, and programs to deployment.
- **Right of Way (ROW)** – State and local governments should work to reform ROW agreements, rules and restrictions to streamline deployment of innovative projects and programs.
- **Staffing Structure** - Adjust agency staffing structures and plans to enable and streamline response and project implementation timelines. (*e.g., ODOT, OPUC, ODEQ, etc.*).
- **Support Best Practices** – Appropriate agencies should regularly conduct national best practices analysis and report findings to the Legislature.
- **Carbon Reduction** – Develop carbon reduction targets, goals and incentives for the sector and utilize innovative projects and programs to enable reductions (*e.g., carbon reduction credits for Electric Vehicle (EV) and Natural Gas Vehicle (NGV) deployment*).
- **Technology Research** – Oregon should be a national testbed for the development and deployment of innovative transportation technologies (*e.g., Connected and Automated Vehicle (CAV) and EV technology*)
- **Build Upon Current Success** – Continue to support current and ongoing innovation efforts, including Unmanned Aerial Vehicles, (UAVs), and Connected and Automated Vehicles (CAVs), Electric Vehicle charging infrastructure, and ODOT Innovative Partnerships

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Preliminary recommendations (next 4 years):

- Implement the staffing structure and objectives outlined in the Connected and Automated Vehicles Report. Consider adopting a similar structure for technology and innovation throughout the transportation agency (e.g., cross-functional Steering Team, staff advisor, etc.).
- Execute a technology and innovation Capability and Maturity Model throughout the agency to assess strengths and areas for improvement.
- Alternatively Fueled Vehicle Infrastructure – Work with the Legislature and OPUC to incentivize further EV and NGV infrastructure development where needed.
- Public Private Partnerships - Provide additional funding and direction to the Immediate Opportunity Fund (IOF) program as a template to drive innovation across modes, government agencies, and the private sector. (*what is the recommendation here? Legislature should fund it?*).
- Governor’s Office – Appoint a “Transportation Innovation Officer” to drive interagency coordination among agencies on transportation innovation (*see CAV Report for example model*).
- Establish partnerships with companies and other states with the objective of making Oregon a key testbed for the development and deployment of innovative transportation technologies (*e.g., CAV and EV technology*)
- Preserve and maintain intrastate rail connectivity and public Right of Way (ROW) to accommodate future innovations (high speed rail, intra-state rail network, etc.)
- Support rural airports through development of innovative rural air service programs (e.g., ‘uber model’ for aviation)

Mid-term and long term recommendations (5 years and beyond):

- Future Innovations: Continue effort to make Oregon a key testbed for the development and deployment of innovative transportation technologies (*e.g., CAV and EV technology*)
- Preserve and improve rail corridors to accommodate future innovations - Mobility- high speed rail, intra-state rail network, etc. (e.g., prioritize and fund short-line upgrades, continue to invest in most recent high-speed rail systems and technologies).
- Plan future capital investments to enable innovative transportation approaches and adaptations to the greatest extent possible.
- Develop and strengthen transportation infrastructure through Public Private Partnerships supporting innovative technologies.
- As UAV technology phases from testing to implementation, maintain Oregon as a continued leader.