Emerging Technologies Impact Assessment (ETIA) Overview
ETTA Overview

Primary tasks

**Phase 1:**
- Identify key trends in emerging transportation technologies
- Analyze impacts of the trends from Oregon perspective on the statewide transportation system

**Phase 2:**
- Develop planning scenarios on a broader range of considerations in preparation for policy plan updates
Where We Are Now

ETIA Phase 1 Schedule

Research and Analysis of Emerging Technologies
- Research and Analysis of Key Trends
- Assessment of Trends (Interviews)
- Policy Implications
- Impact Assessment Report

Timeline:
- July 2018
- Aug
- Sept
- Oct
- Nov
- Dec
- Jan
- Feb
- Mar 2019

Key Milestones:
- Notice to Proceed
- Kick Off Meeting
- OTC Workshop
- Draft Report
- Final Report

Begin Phase 2
ETIA Final Report
Overview of technologies and trends

Report groups emerging technologies into three categories:

**Vehicle technology** (AVs, CVs, EVs)

**Mobility options** (bike and e-scooter share, ride-hailing services)

**Freight logistics and local delivery applications**
ETNA Final Report
Overview of technologies and trends

Report identifies three overarching technological trends:

- Improvements in computing power
- Communications and networking
- Increase of available data ("big data")
ETIA Final Report
Policy Implications for Oregon

Framework for understanding possible outcomes – 12 “Foundational Goals”
OTC Emerging Technologies Workshop
Common themes/top concerns:

- Understanding of funding impacts
- Aligning ODOT's efforts with other state and local agencies
- Understanding anticipated settlement patterns
- Developing skills/experience within ODOT to address E.T. impacts
What is Anticipated for 2019?
ETIA Phase 2/Scenario Planning Work

Spring and early summer:

- ETIA Briefings in Bend and Eugene
- “Emerging Technologies Peer Exchange” in Salem with other state agencies
- Scope new contract: statewide long-range planning services
What is Anticipated for 2019?
ETIA Phase 2/Scenario Planning Work (continued)

Mid-summer to fall:

Begin RFP and consultant selection for new contract

Define a range (3-5) of alternative futures/planning scenarios

OTC approves approach to OTP and OHP Updates
What is Anticipated for 2019?
ETIA Phase 2/Scenario Planning Work (continued)

Fall to winter (and into 2020):

Kickoff OTP and OHP Updates
• Initiate Public Involvement process
• Form advisory groups

Continue background and research on key topics, e.g.:
• Transportation Systems Management & Operations (TSMO)
• Mobility as a Service (MaaS)
• Demographics, resiliency (going broader than technology)
Thank You

Adam Argo, AICP  
Principal Planner, ODOT  
Transportation Development Division  
503.986.3510  
Adam.ARGO@odot.state.or.us