

ODOT Connected Vehicle Applications

NW Transportation Conference
March 14, 2018

Agency Readiness

Oregon Statewide ITS Architecture and Operational Concept Plan























Prepared for








Prepared by

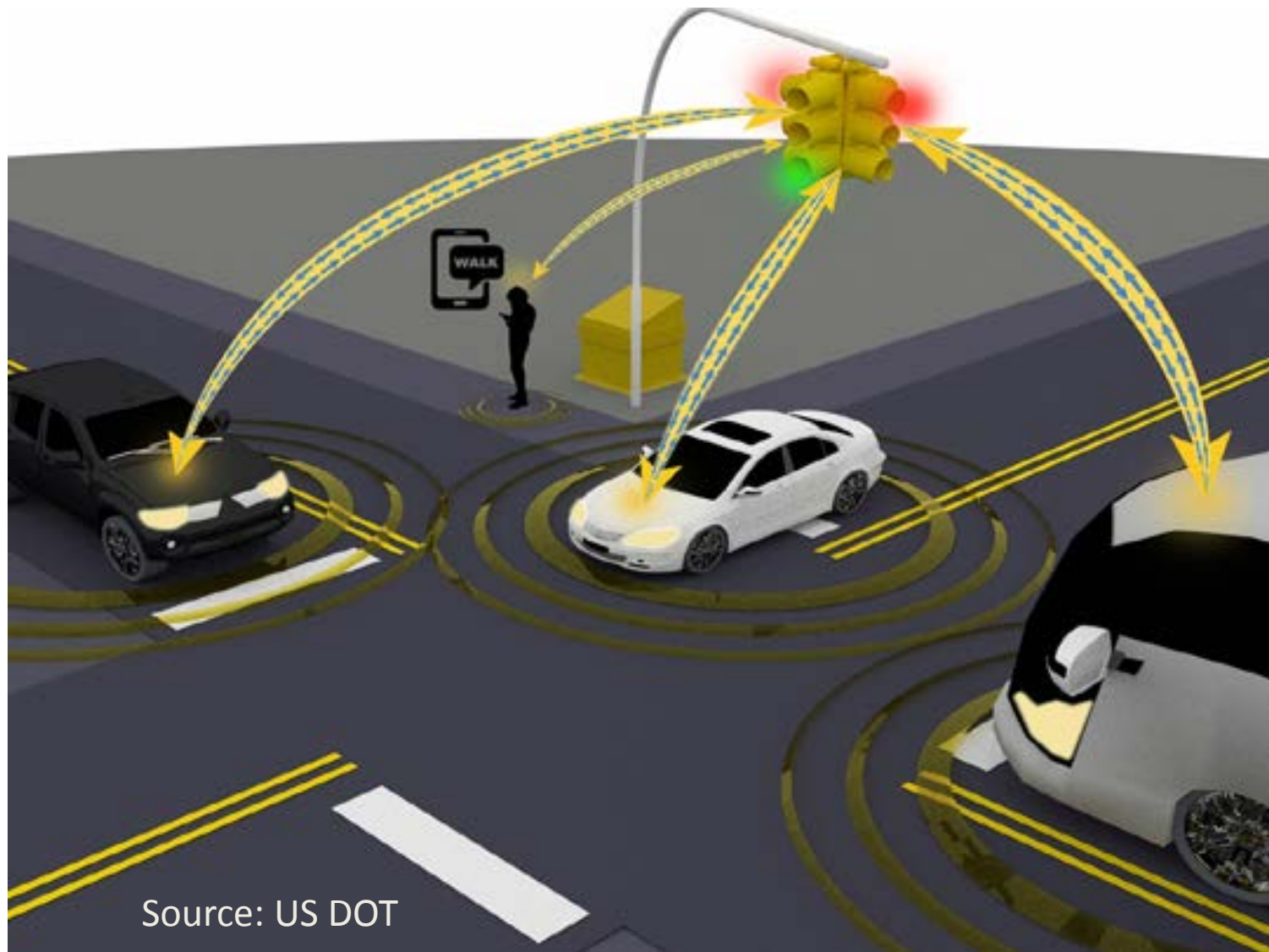
DKS Associates
TRANSPORTATION SOLUTIONS

APPLICATION READINESS ASSESSMENT

Pilot Project	Near-Term Readiness	Cost Effectiveness	Compatibility with Agency Initiatives	Overall Assessment
1. Multimodal Signal Priority				
2. Integrated Mobile Weather Enhanced Freeway Active Traffic Management				
3. Enhanced Curve Speed Warning				
4. Traffic Signal Phase and Timing (SPaT)-Multimodal Safety				
5. Enhanced Work Zone Safety				

Ratings key: 1 (Worst) -  2 -  3 -  4 -  5 (Best) - 

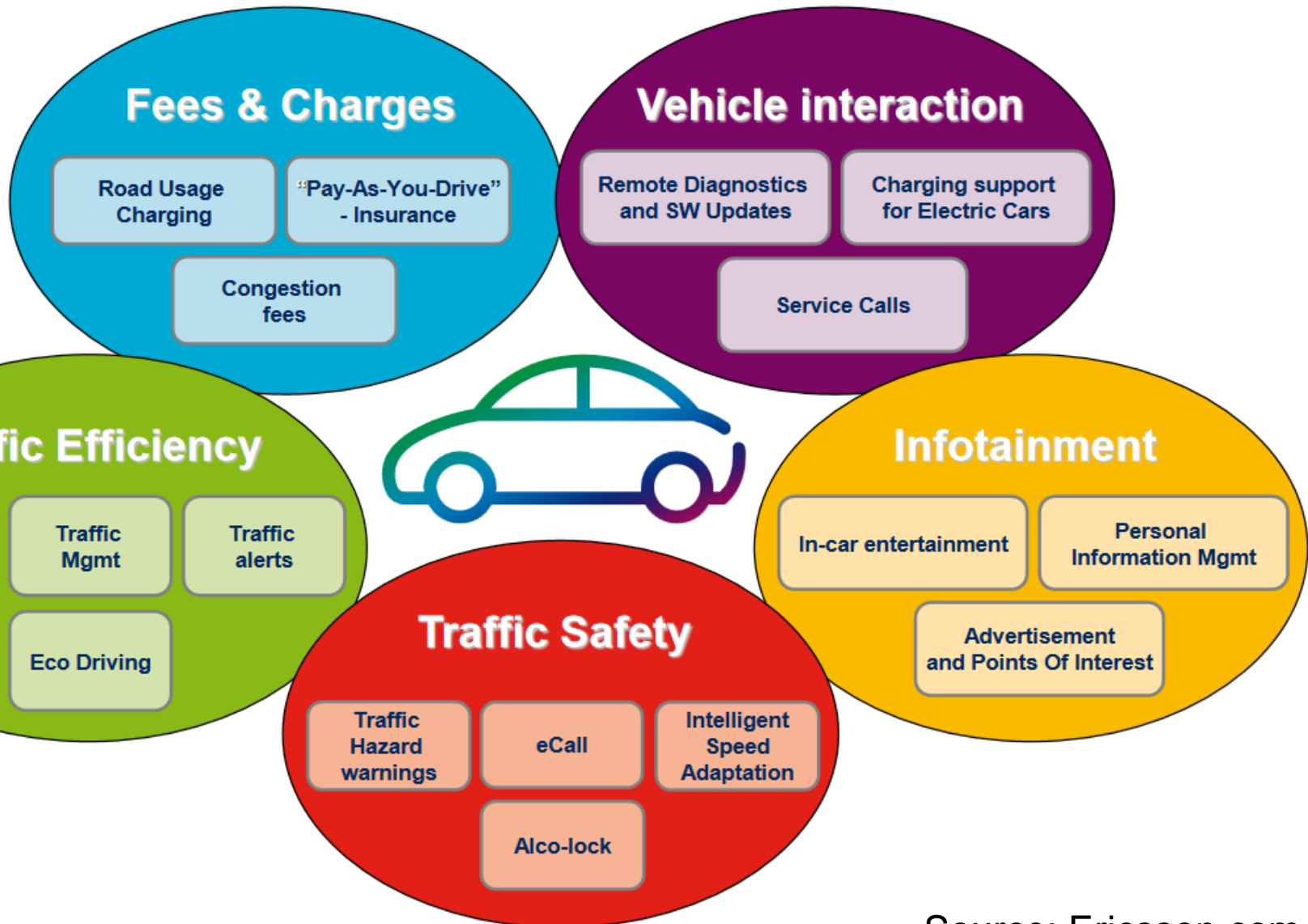
Vehicle to Infrastructure Connectivity



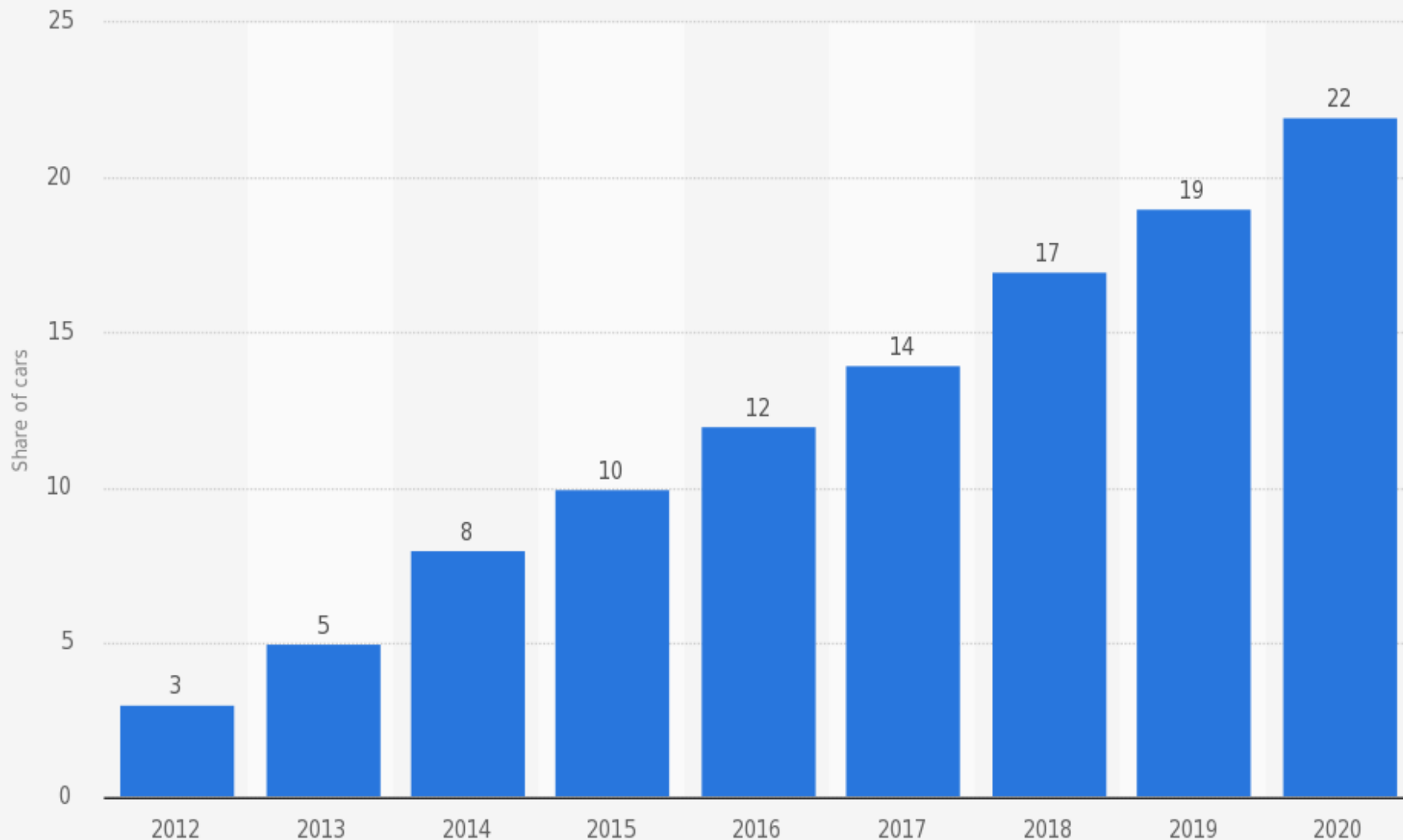
Source: US DOT



the connected car



Share of cars connected to the Internet worldwide from 2012 to 2020



Source:
McKinsey
© Statista 2015

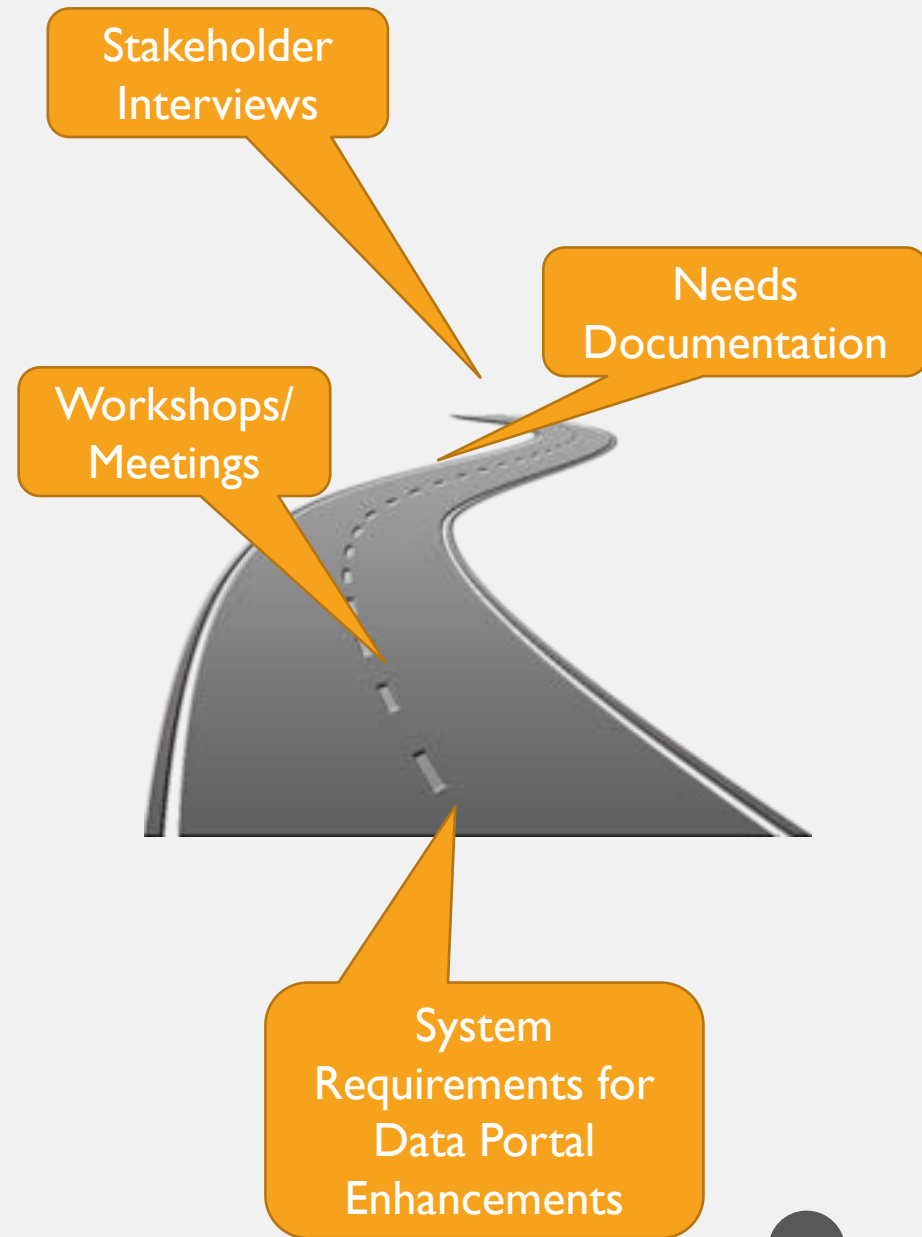
Additional Information:
Worldwide

The Vision:

An automated transportation data portal that provides a platform for sharing agency data with a connected environment.

Project Overview

- A. Identify what data is important to share in the connected vehicle (CV) environment
- B. Better understand OEM/ISP data needs to prepare for widespread adoption of connected/automated vehicles
- C. Enhance the accessibility and usability of the Portal



Connected Vehicle Data Portal



Connected Vehicle Pilot Project: Mission St, Salem Oregon

