Using the OCRS on ODOT:

1. Force Account Work

2. Consultant Projects
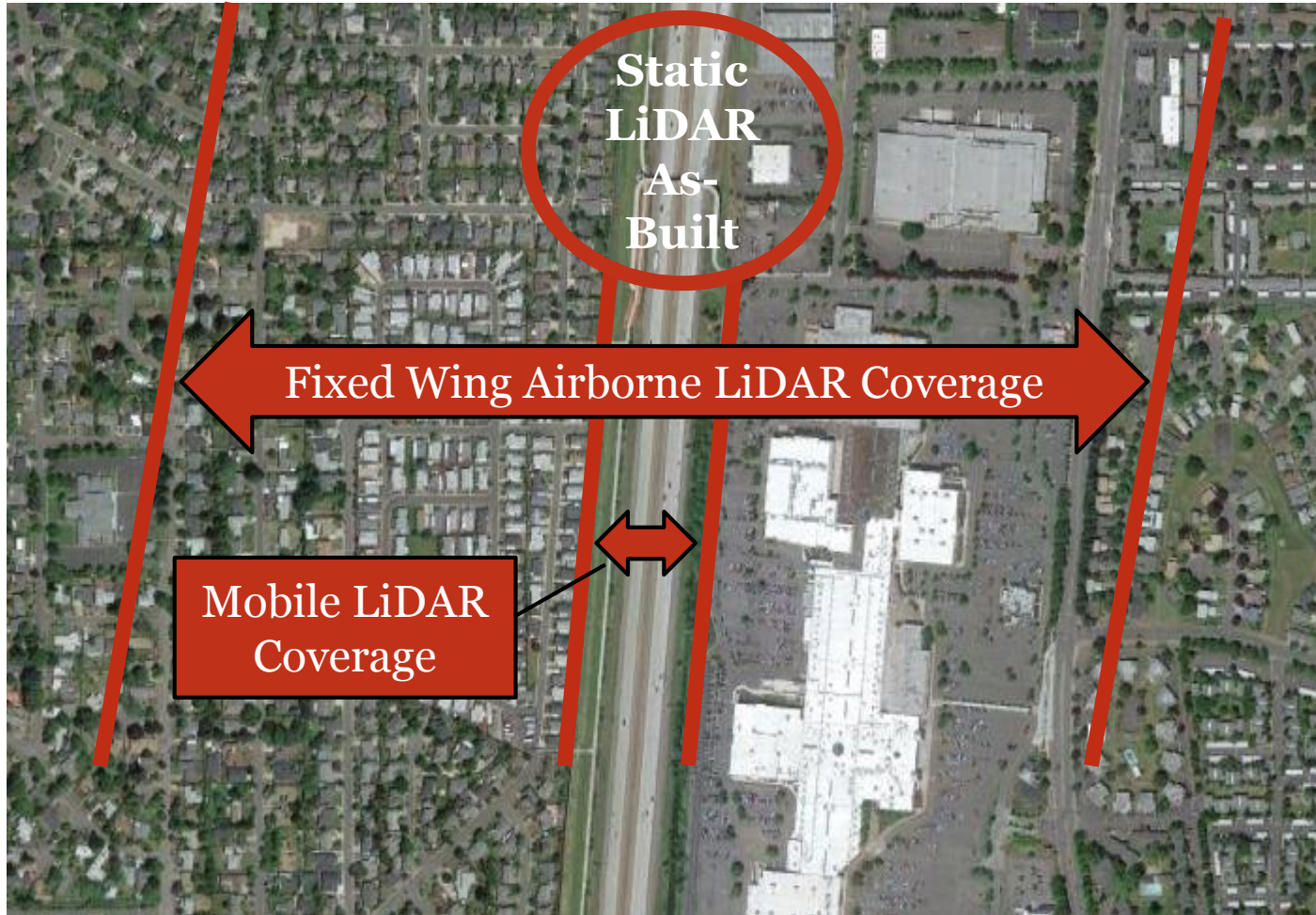
3.212 – Coordinate Systems
(ODOT Survey Policy and Procedure Manual)

- Initiate Project on **Approved Coordinate Systems** that includes the following:

  - Horizontal datum and epoch with ellipsoid

  - Vertical Datum and epoch

  - A geoid separation model

  - A mapping projection

Virtual Corridor Goal

Static LiDAR As-Built

Fixed Wing Airborne LiDAR Coverage

Mobile LiDAR Coverage

KEY CONCEPTS FOR THE FUTURE

DIGITAL DATA – CREATION, STORAGE, RETRIEVAL, AND FORWARD MIGRATION
MANAGING INFRASTRUCTURE LIFE CYCLE DATA
STRUCTURED DATA EXCHANGE - LANDXML
DIGITAL SIGNATURES
DATA SILOS
ENGINEERING DATA MANAGEMENT SYSTEM
ENGINEERING DATA AND ASSET MANAGEMENT
POST CONSTRUCTION SURVEYS
UNDERGROUND UTILITY LOCATION
DYNAMIC DOCUMENTS
ENGINEERING DATA AND THE GIS CONNECTION
IT INFRASTRUCTURE
WIRELESS COMMUNICATION
NEW STATEWIDE COORDINATE SYSTEM
THE OREGON REAL-TIME GPS NETWORK
HEIGHT MODERNIZATION
REMOTE SENSING
HIGH RESOLUTION IMAGERY/POINT CLOUDS FOR DESIGN
3D AND 4D DESIGN
VISUALIZATION
CONSTRUCTION AUTOMATION
MAINTENANCE AUTOMATION
ENGINEERING DATA AND INTELLIGENT TRANSPORTATION
DESIGN DATA AS PRIMARY AND CONSTRUCTION PLANS AS SECONDARY

Questions?