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OR 22 Facility Plan

25th Street SE to Gaffin Road SE

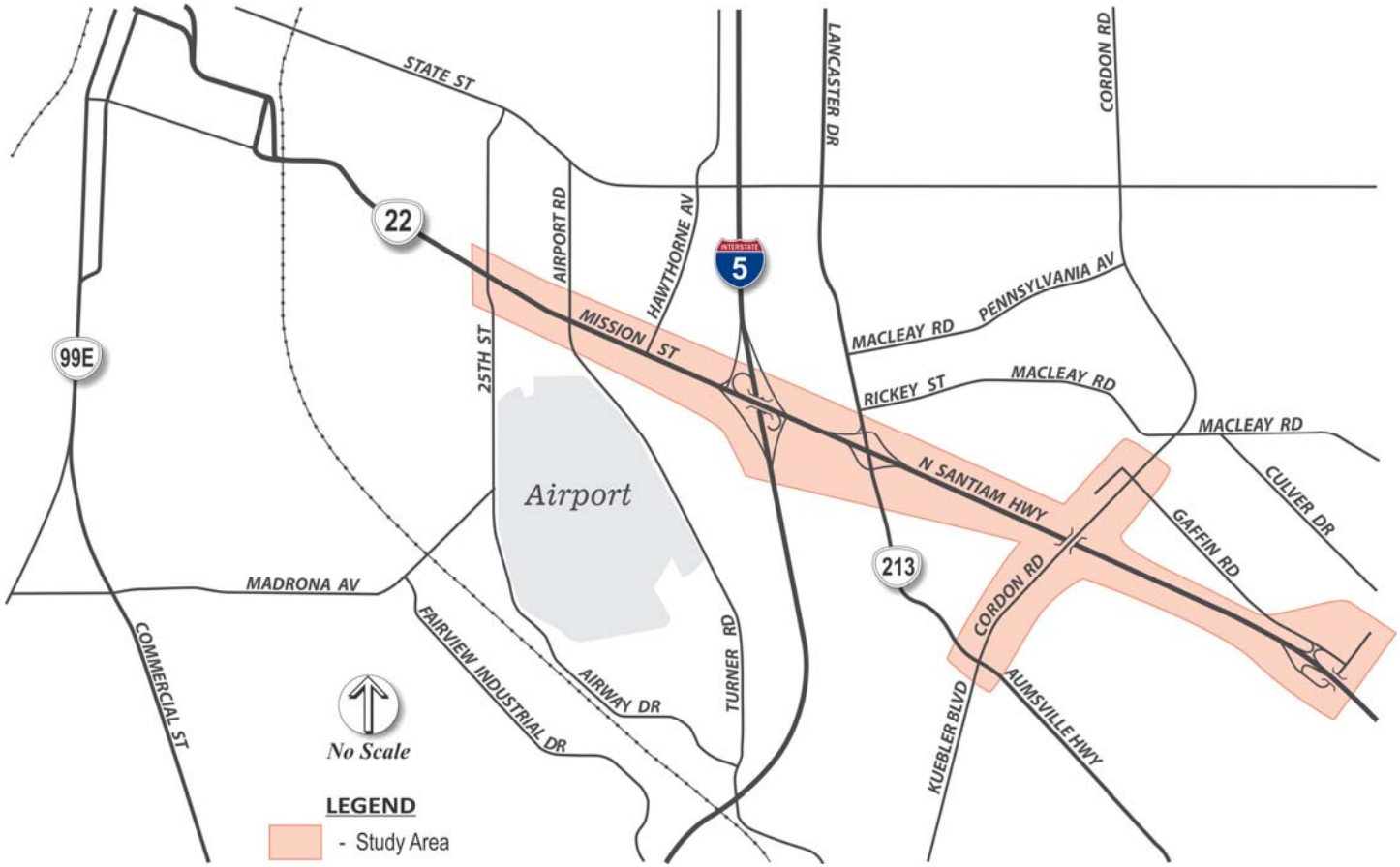
Community Open House

March 30, 2016

Project Background

Project Background

Study Area



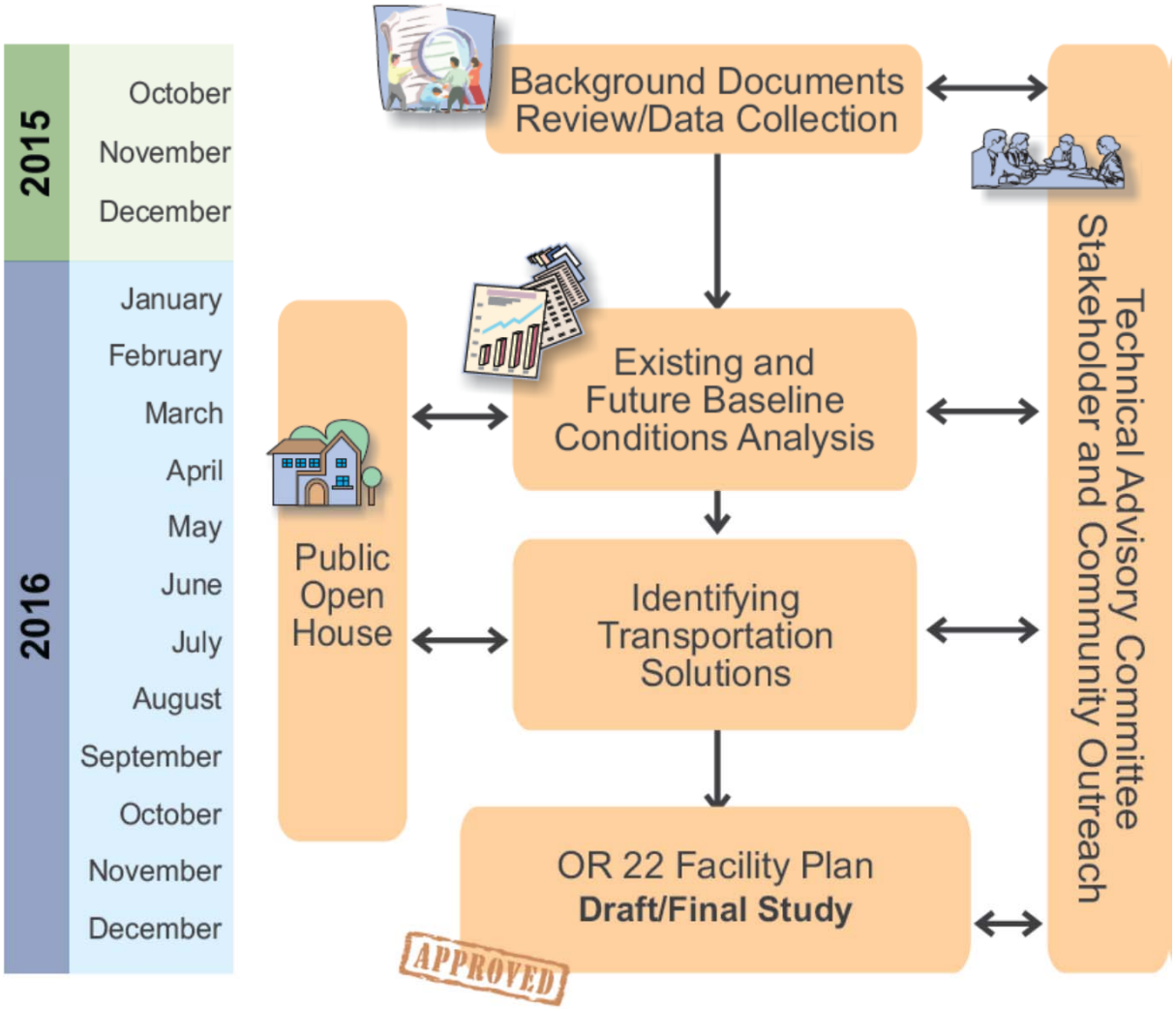
Project Background

Study Goals and Objectives

- Assess existing and future traffic conditions
  - Intersection Operations
  - Corridor Safety Performance
  - Bicycle, Pedestrian, and Transit Facilities
- Identify Transportation Needs and Solutions
  - Roadway Improvements
  - Alternative Mobility Targets

Project Background

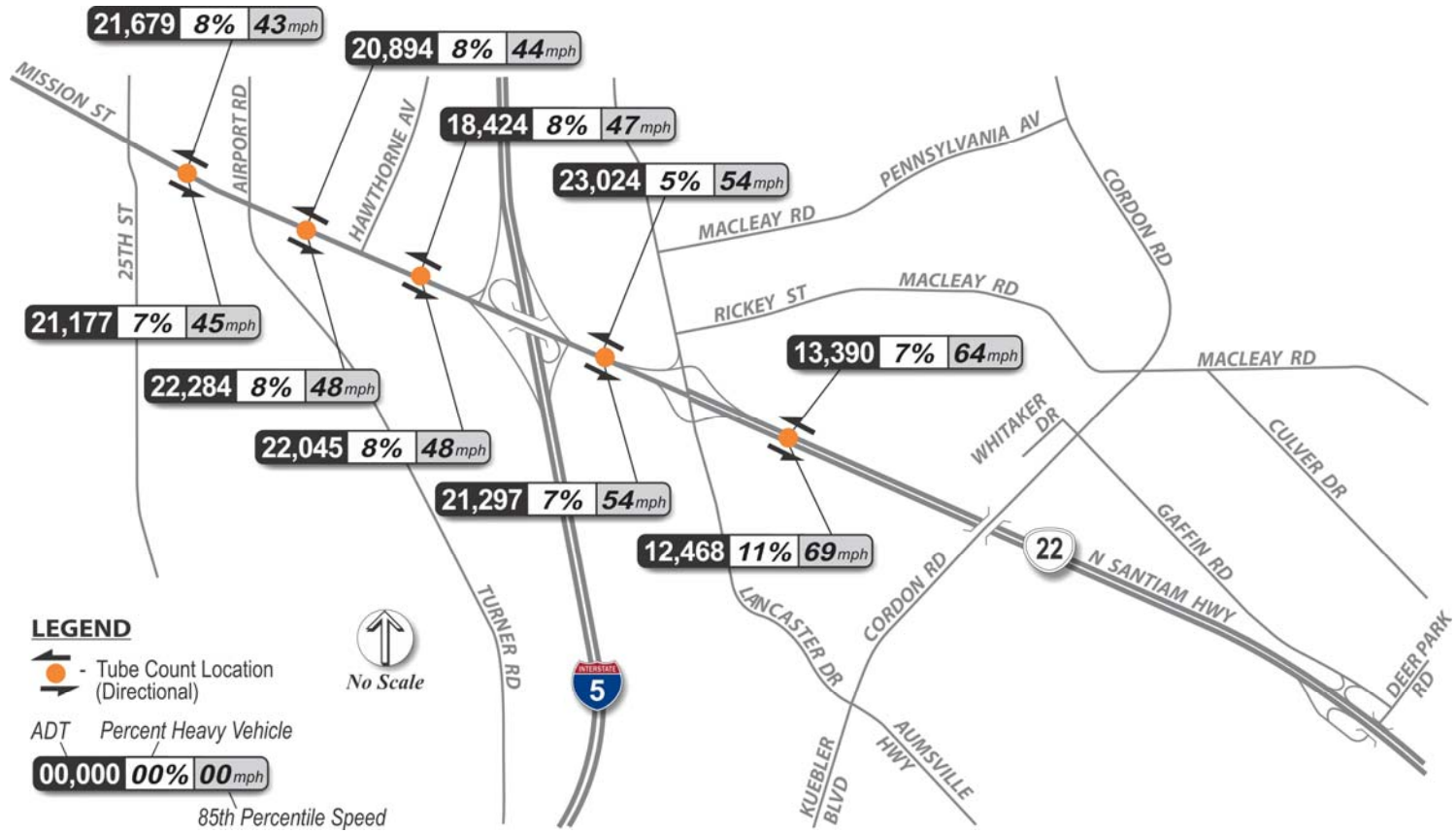
Study Schedule



Existing Conditions

Existing Conditions

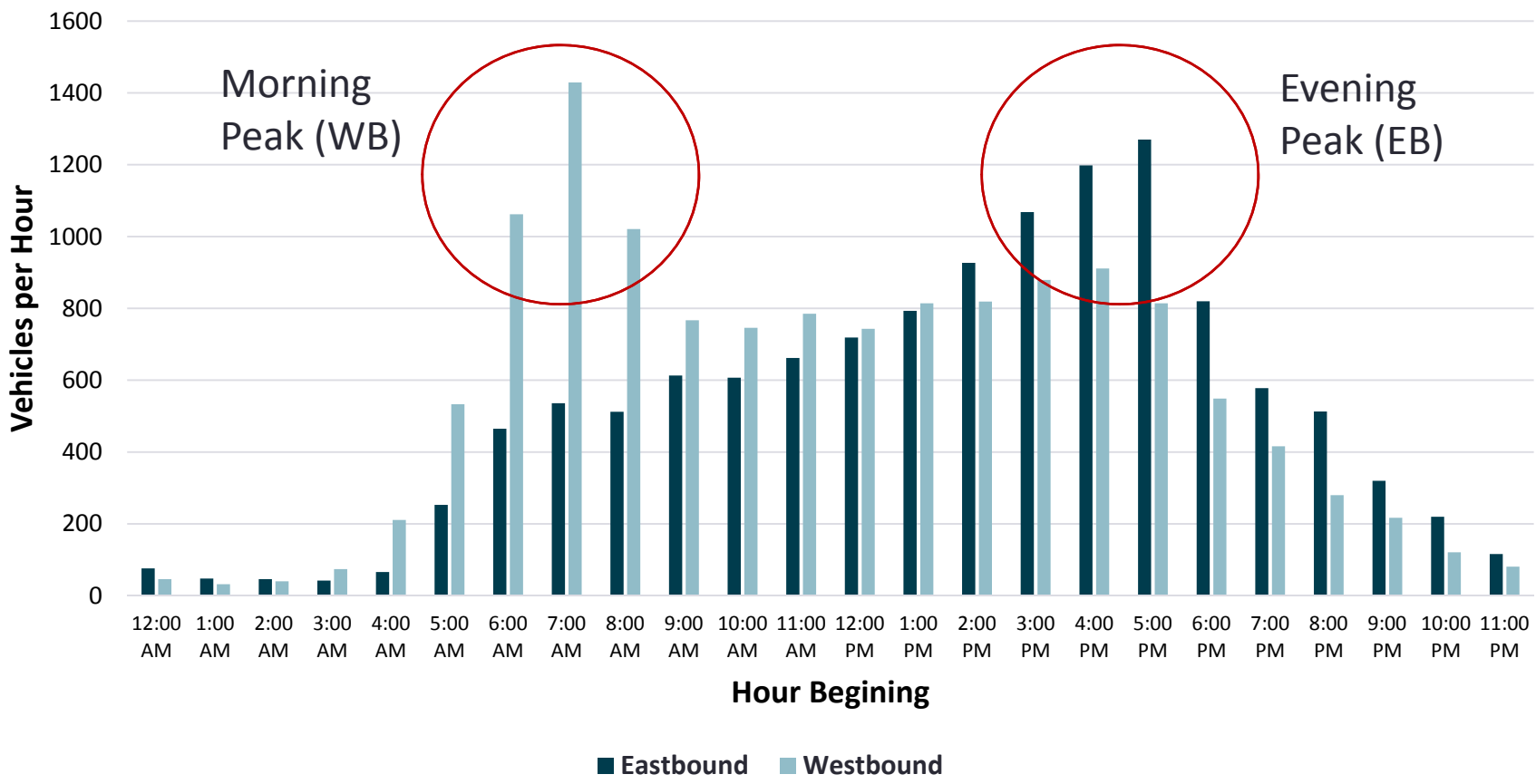
Daily Traffic Volumes, Speeds, and Vehicle Classification



*ADT = Average Daily Traffic Volume

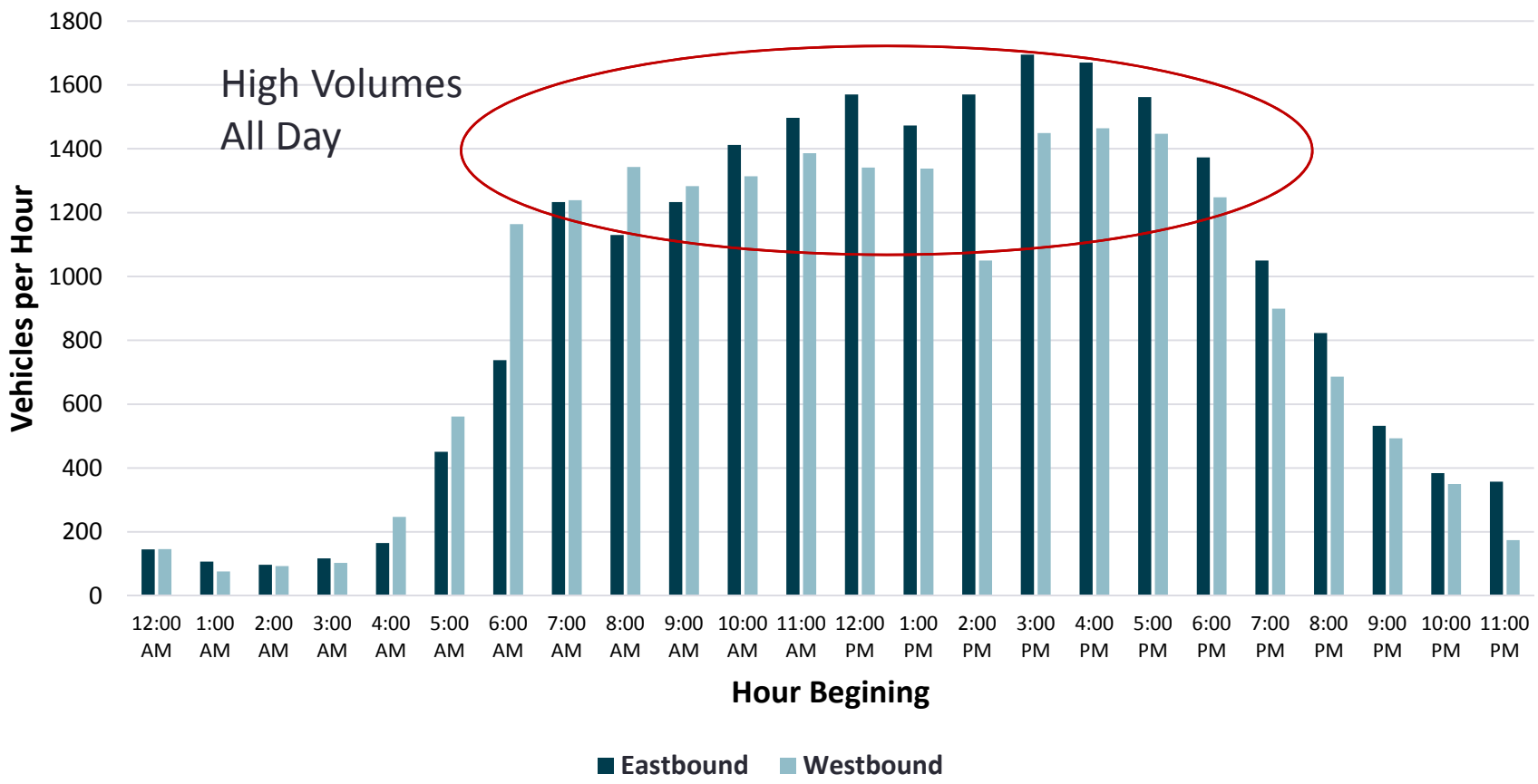
Existing Conditions

Daily Traffic Volume Trends – East of Lancaster



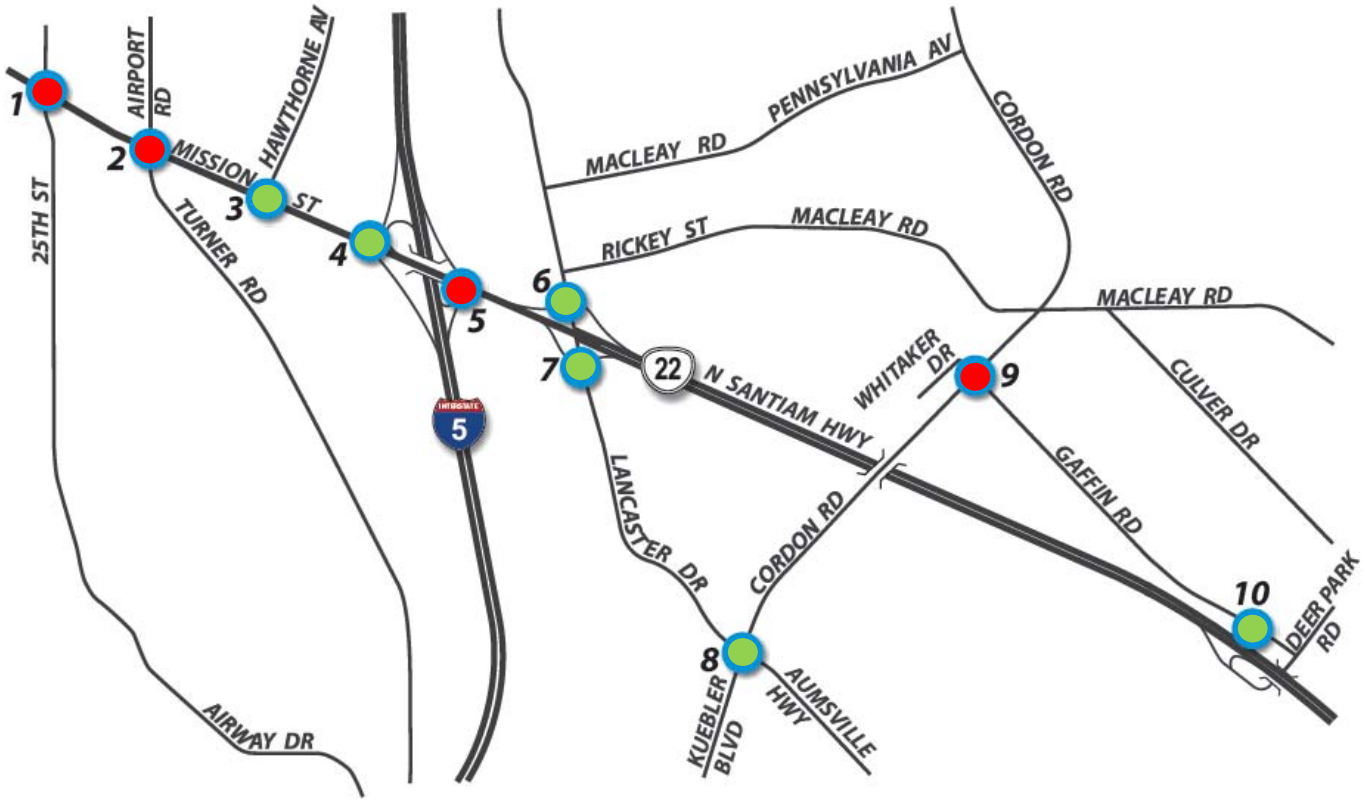
Existing Conditions

Daily Traffic Volume Trends – Between Hawthorne and Airport



Existing Conditions

Intersection Operations



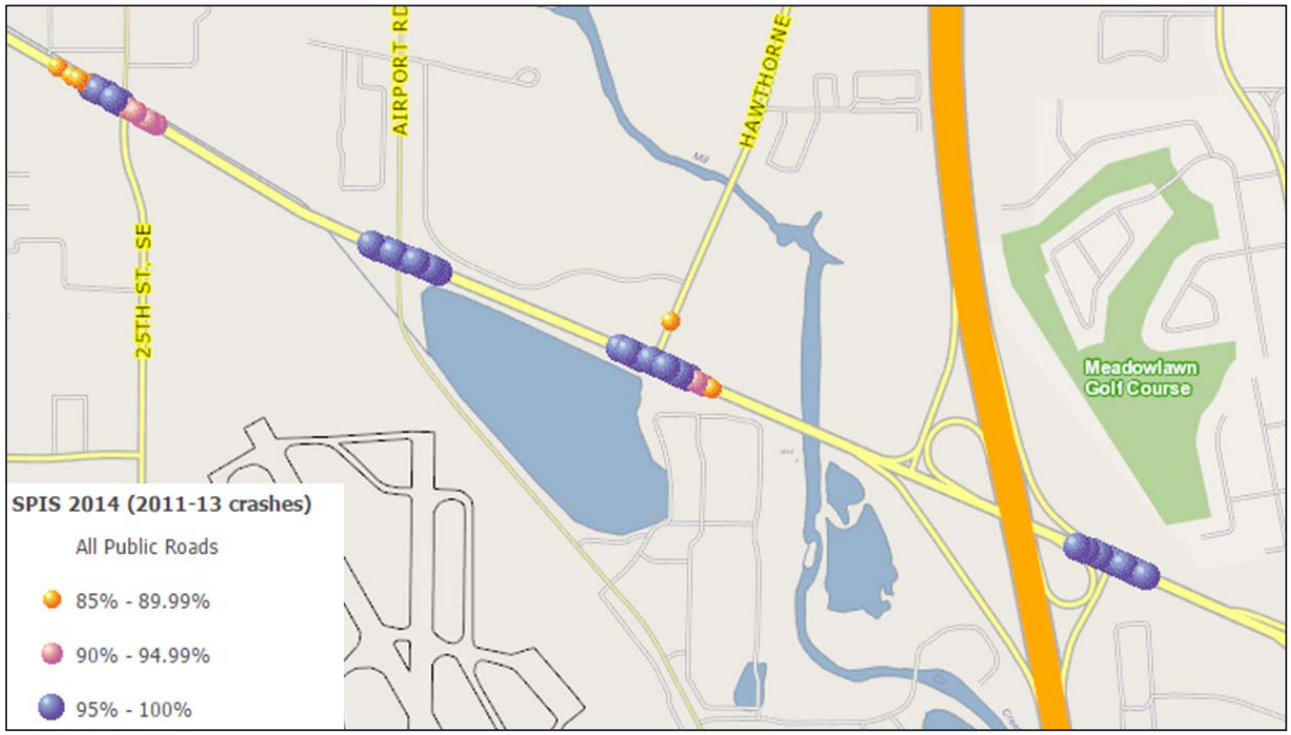
Legend

At or below volume-to-capacity standard

Exceeds volume-to-capacity standard

Existing Conditions

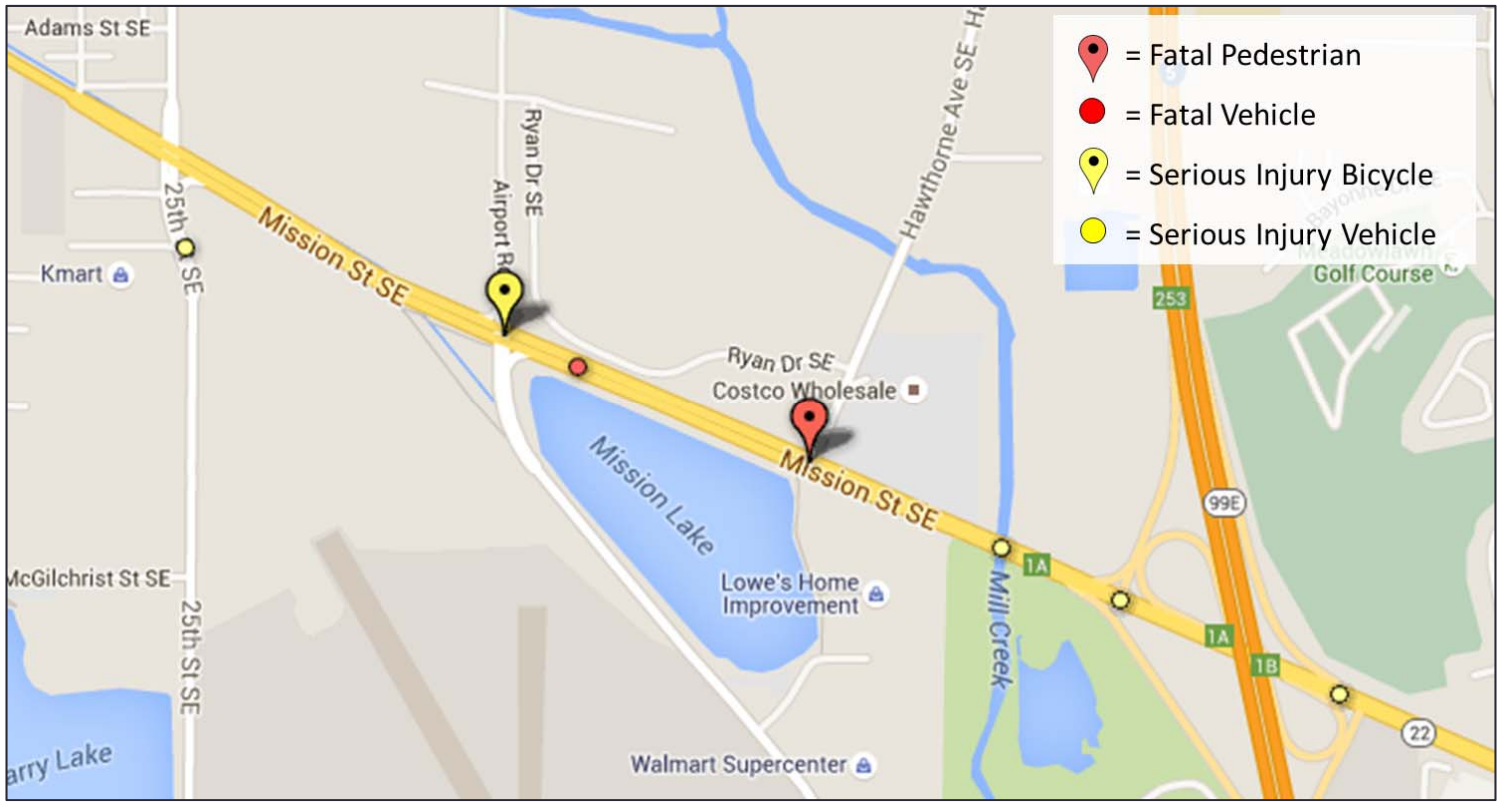
High-Crash Locations (ODOT 2014 Safety Priority Index System)



Corridor SPIS Sites, based on 2011-2013 crash data

Existing Conditions

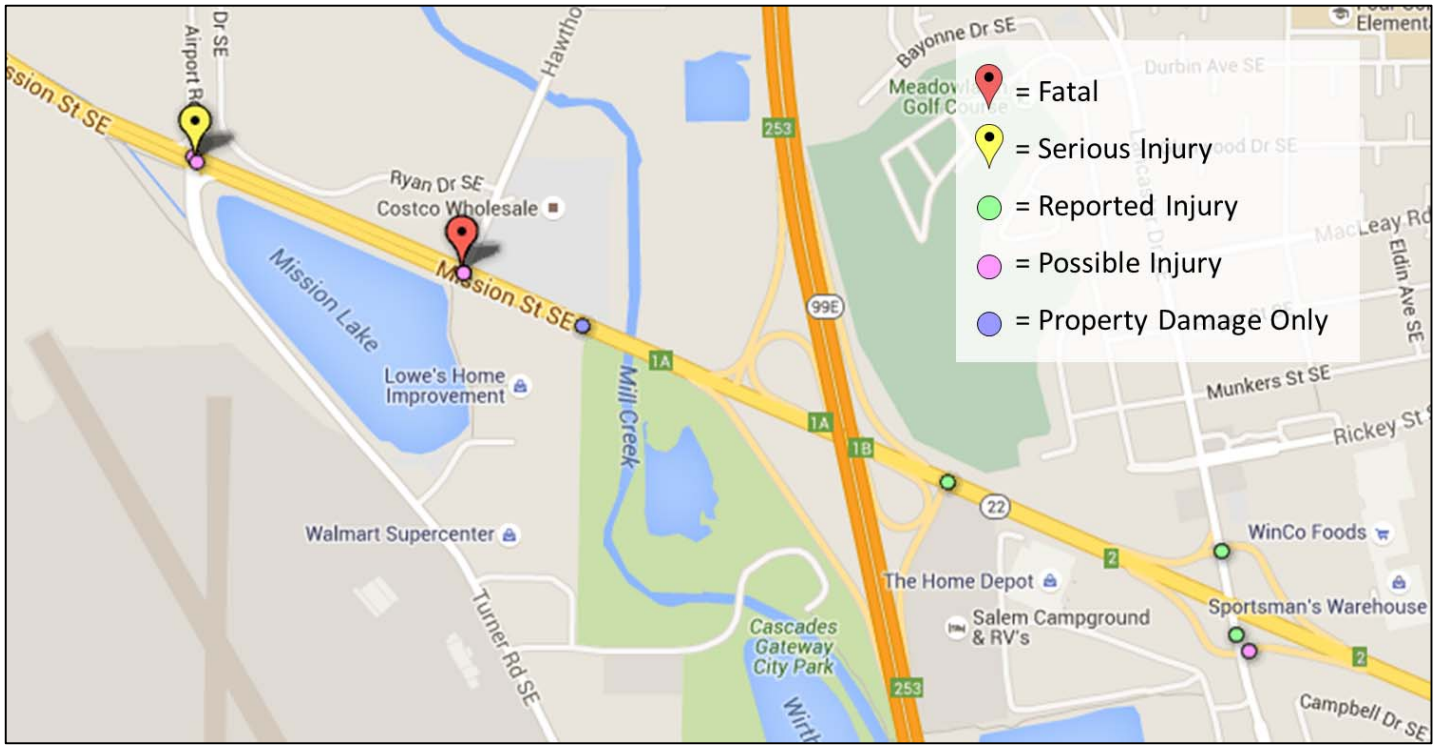
Corridor Safety Performance



Fatal and Severe Injury Crashes, 2009-2013

Existing Conditions

Corridor Safety Performance



Bicycle and Pedestrian Crashes, 2009-2013

Existing Conditions

Corridor Safety Performance

- Top 3 Crash Types:
  - Rear-End, 67%
  - Turning, 13%
  - Side-Swipe, 9%

- Bicycle and Pedestrian Crashes:
  - 2% of corridor total

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Existing Conditions

Key Findings

- There is a lack of comfortable and safe bicycle and pedestrian facilities along OR 22.
- Transit service is limited along the corridor, especially service connecting the east and west sides of I-5.
- East of I-5, travel speeds are significantly higher than the posted speed limit.

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Existing Conditions

Key Findings

- Several intersections have been identified as high-crash locations:
  - OR 22 at 25th Street
  - OR 22 at Airport Road/Turner Road
  - OR 22 at I-5 NB Ramps
- Several intersections currently do not meet operating standards:
  - OR 22 at 25th Street
  - OR 22 at Airport Road/Turner Road
  - OR 22 at I-5 NB Ramps
  - Cordon Road at Gaffin Road

Future Conditions

Future Conditions (2035)

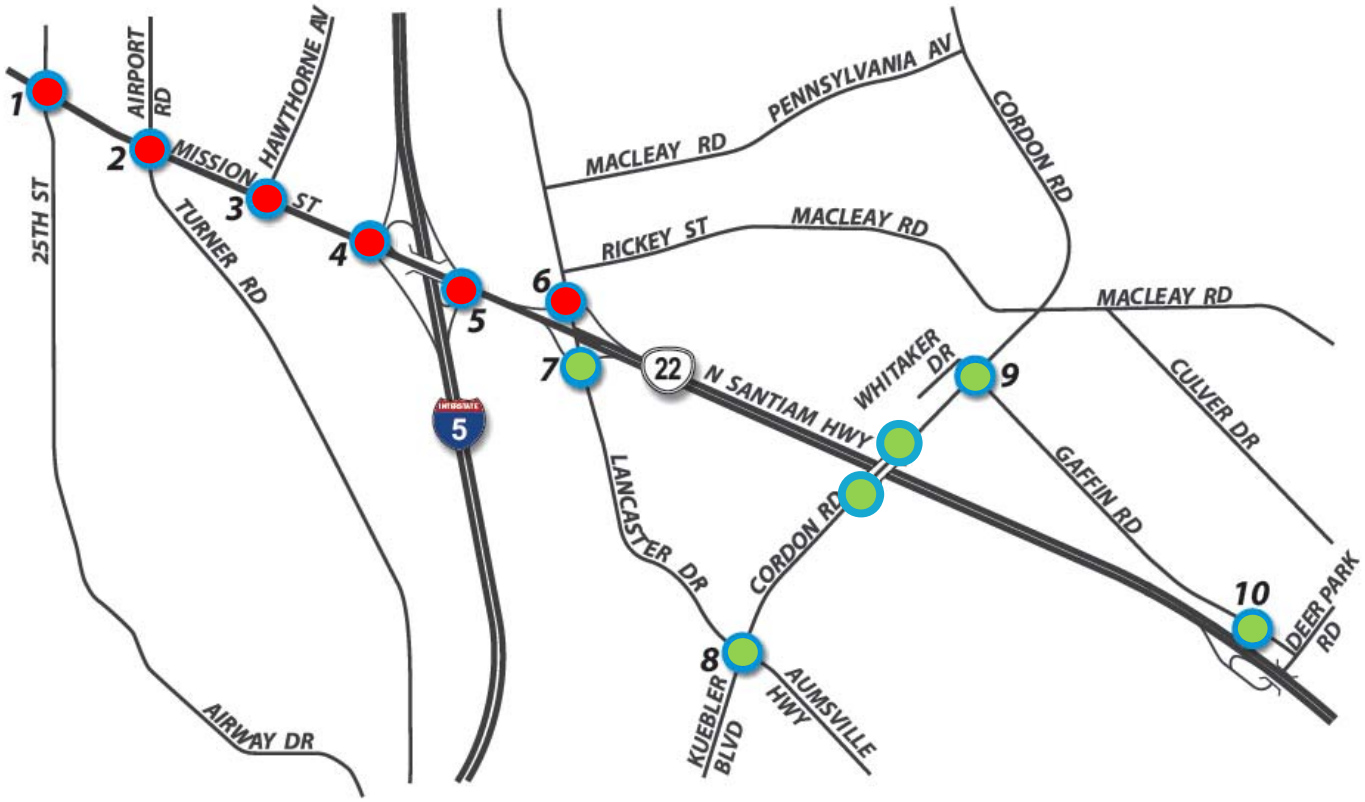
Analysis Method and Assumptions

- 2035 Future Model
  - Uses future land use assumptions, potential development, and proposed roadway network to estimate horizon year traffic volumes.
  - Includes interchange at Cordon Road
- Cordon Road Interchange
  - Assumed:
    - Tight Diamond Configuration
    - Four through lanes on Cordon Road

Example of a tight diamond interchange.

Future Conditions (2035)

Intersection Operations



Legend

At or below volume-to-capacity standard

Exceeds volume-to-capacity standard

Future Conditions (2035)

Alternative Mobility Targets

- May not be able to meet current mobility targets in future
  - Very high traffic volumes
  - Right-of-way constraints
  - Options are limited for feasible improvements
- Alternative Mobility Target possibilities:
  - Higher v/c ratio (currently 0.85 or 0.90 for ODOT/City roadways)
  - Acceptable number of hours over capacity
  - Other

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Future Conditions (2035)

Key Findings

- Several intersections will not meet current operating standards:
  - OR 22 at 25th Street
  - OR 22 at Airport Road/Turner Road
  - OR 22 at I-5 SB Ramps
  - OR 22 at I-5 NB Ramps
  - Lancaster Drive at OR 22 WB Ramps
- Alternative mobility targets may be necessary.
  - May not be possible or feasible to “fix” all of the issues with additional capacity.
  - ODOT and can develop and approve the use of alternative mobility targets for the corridor.

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Next Steps and Further Information

Next Steps

Upcoming Deliverables and Meetings

- Identifying Transportation Solutions
  - Intersection Improvements
  - Bike/Ped/Transit Facility Improvements
  - Cordon Road Interchange Conceptual Design and Operations
- Next Community Open House
  - July or August 2016
  - Present and gather feedback on recommended improvements

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Further Information

Northwest Region- Region 2

Oregon Department of Transportation

Department

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OR 22 Facility Plan for 25th Street SE to Gaffin Road SE in Salem

OVERVIEW

The OR22 Facility Plan will assess existing and future transportation operations and safety conditions on OR 22 (Mission Street SE) between 25th Street SE and Gaffin Road SE in Salem, and identify potential solutions to the problems. The project will look at the situation that exists today, forecast conditions, identify and analyze future options, and make recommendations for a safe and efficient facility. The plan will include a new interchange at Cordon Road.

The OR 22 Facility Plan will be prepared by the Oregon Department of Transportation (ODOT) in collaboration with agencies, jurisdictions, citizens, and stakeholders to create a common vision for the future of transportation in the corridor. Involving citizens in the planning process is essential to build integrity in project outcomes.

PUBLIC INVOLVEMENT

To receive regular updates about the project, including invitations to meetings, email Julie@cogitopartners.com. View the Public Involvement Plan to learn more about the project. The plan includes information on the project background, decision process, and stakeholder involvement.

OR 22 public involvement graphic.png

PROJECT AREA

OR 22 map 1.png

OR 22 map 2.jpg

OR 22 (east) is a principal arterial in this urban/developing urban and industrial area; it is designated an expressway and truck route on the National Highway System (NHS). The western portion of the corridor carries roughly 43,000 vehicles per day while the eastern portion carries around 26,000 vehicles per day.

The area adjacent to OR 22 includes a mix of commercial, industrial, institutional and residential uses. A natural area including wetlands is located in the vicinity of I-5, as well as Cascades Gateway Park. Composed of 101 acres of trees, natural areas, developed paths, Walter Wirth Lake, ball fields, a golf course, picnic areas, and a playground, this large urban park serves a variety of users.
http://www.cityofsalem.net/Residents/Parks/ParkTour/Pages/Cascades%20Gateway%20Park.aspx

The project corridor includes OR 22 from 25th Street SE to Gaffin Road SE in the City of Salem, within Marion County. The project area will also include Lancaster Drive from Hagers Grove Road-Carson Drive SE to Macleay Road SE.

Project Website

www.OR22FacilityPlan.org

E-Updates List

Contact Dan Fricke, ODOT Project Manager, to receive project updates and meeting invites via email. (Contact info on project website and on next slide.)

Contact Us

Project Team

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