



# OR62 Expressway Vilas Interchange

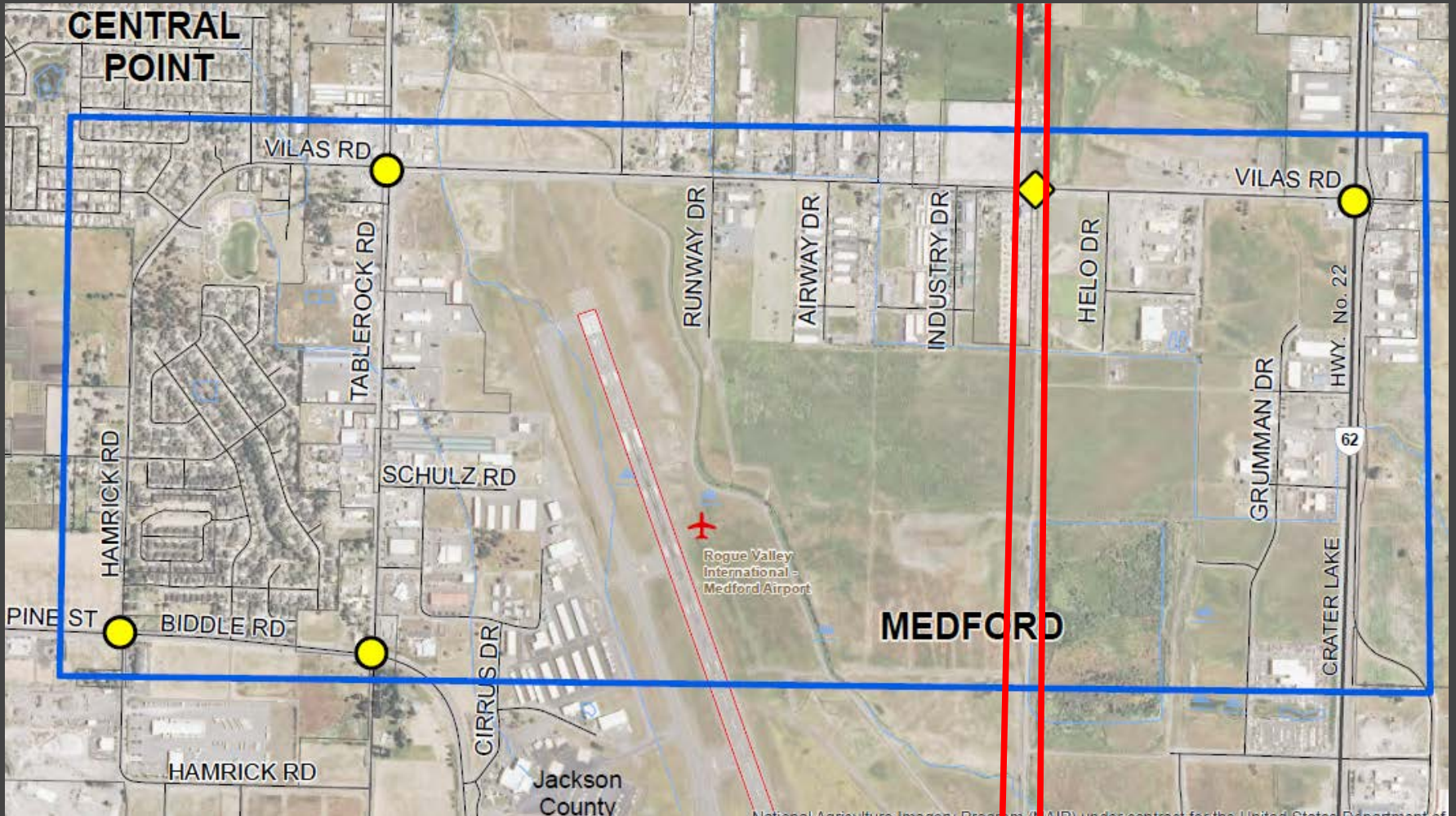
TAC Meeting

Presented by: Katie Brown

October 24, 2019



# BASELINE CONDITIONS SCENARIO



# Traffic Analysis Scenarios

1. **No Vilas Interchange** – JTA Expressway with No Interchange, 4-lane Vilas Rd, Tier 1 & 2 Projects with Additional Intersection Mitigations
2. **Build Vilas Interchange** – JTA Expressway with Vilas Interchange Build, 4-lane Vilas Rd, Tier 1 & 2 Projects with Additional Intersection Mitigations



# Traffic Analysis Findings

## Summary

- 1. No-build – JTA Expressway, 4-lane Vilas Rd, Tier 1&2 Projects
  - Only 1 location over capacity
  - Shortest overall network travel time
  - Lowest intersection and turning bay blocking
- 2. Build – JTA with Vilas Interchange Build, 4-lane Vilas Rd, Tier 1&2 Projects
  - 8 blocked intersections vs. only 2
  - More extensive queuing
  - Less efficient – more overall delay

**Assume completion of intersection mitigations used in analysis**

**Assumed land use and employment rates must be maintained**



# Economist Estimate Change in Cost

Parameter	Scenario Step	
	Baseline to Scenario 1	Baseline to Scenario 2
Delay	\$46,000,000	\$28,800,000
Fuel	\$270,000	-\$2,300,000
Emissions	\$18,700	-\$157,000
Crash	-\$920,000	-\$1,700,000
<b>Annual Savings with Mitigations:</b>	\$45,400,000	\$24,600,000



# Scenario 2 Is Not Viable:

- Cost Tier 1 and 2 and additional mitigations is about \$37 million
- Land Use Restrictions
- Access Management question from Gun Club



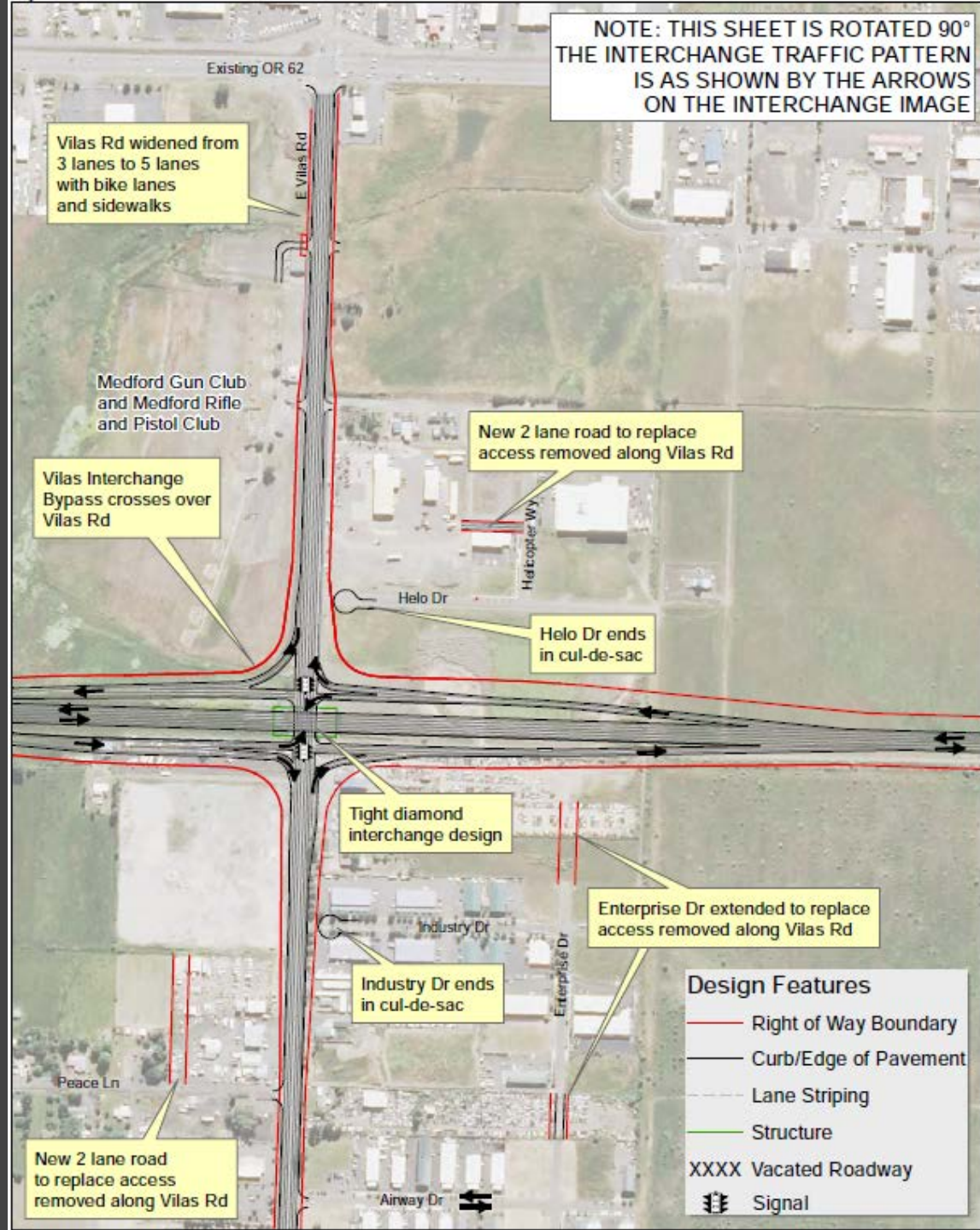


# TAC Questions





# Access Management

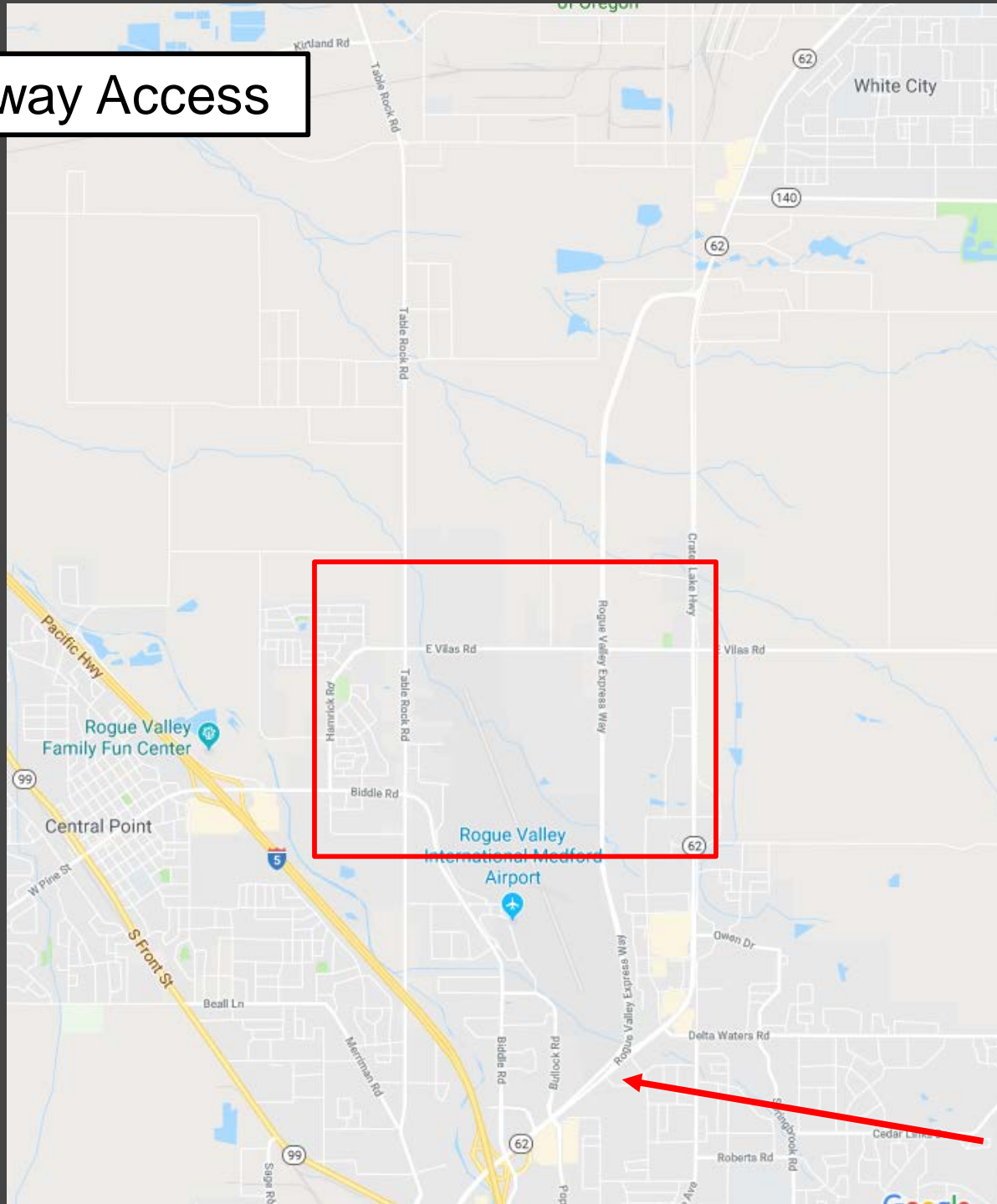




# East Vilas Road Comments

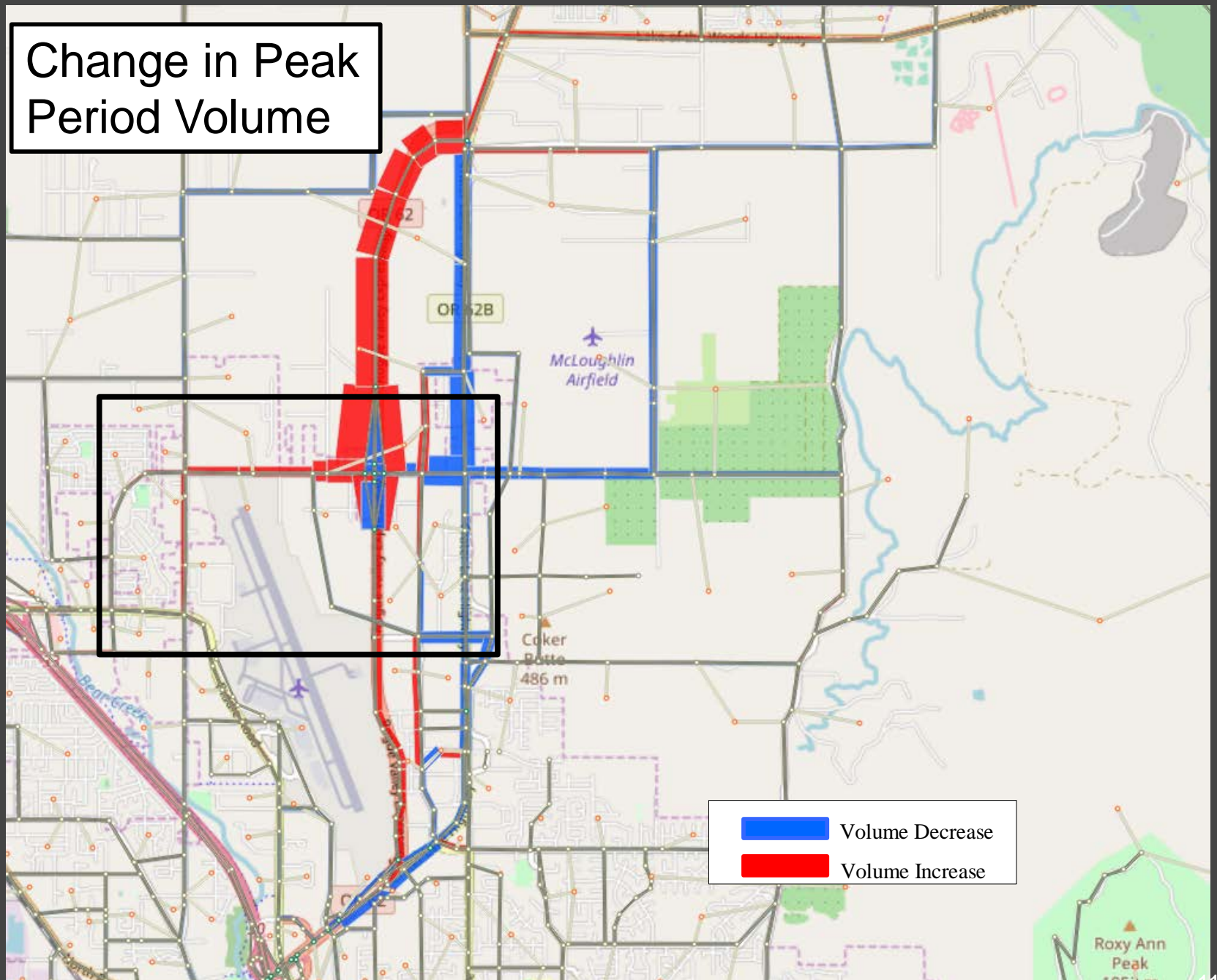


# Expressway Access





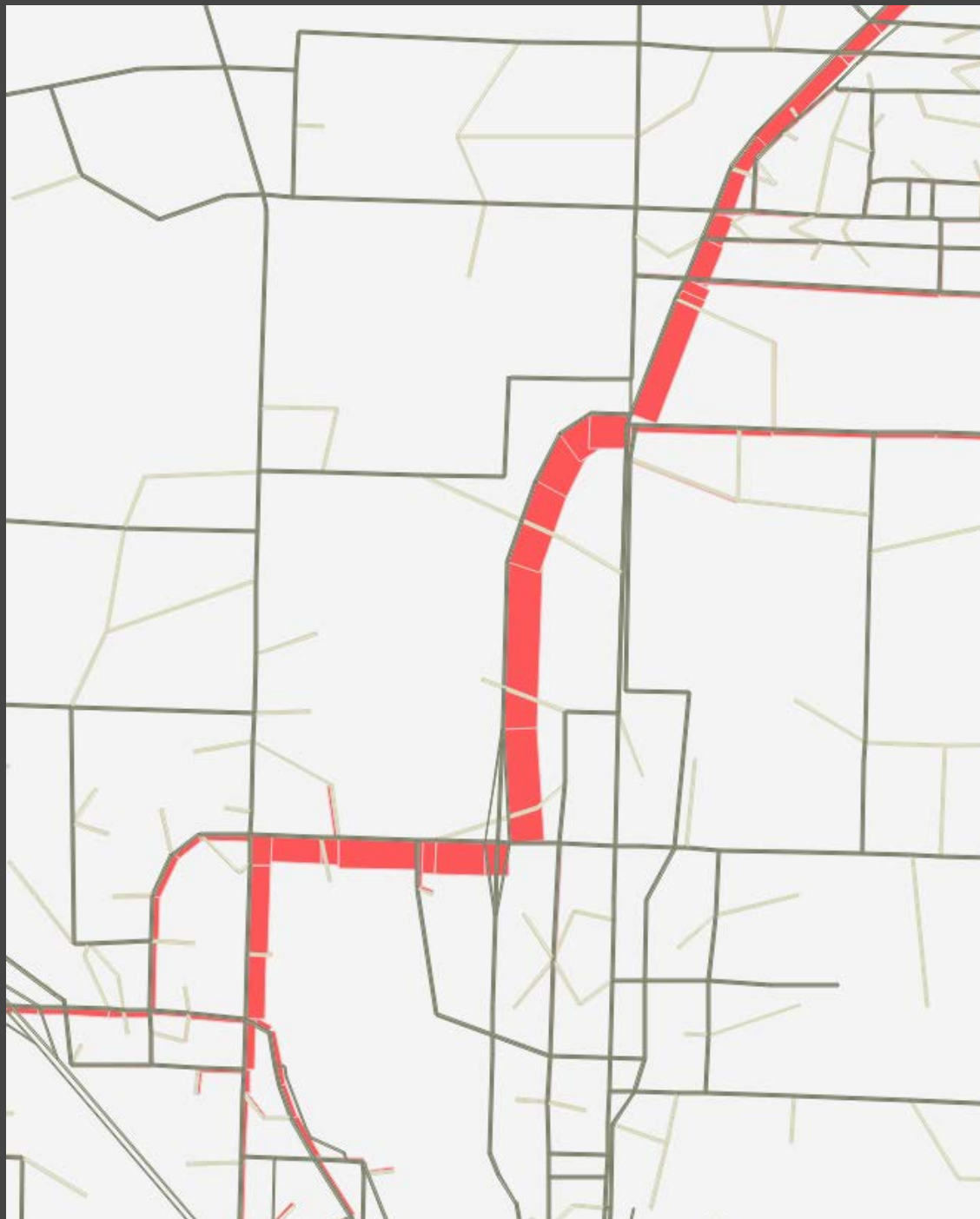
# Change in Peak Period Volume



# Northbound CLH South of Vilas Rd



# Northbound OR62 On-Ramp

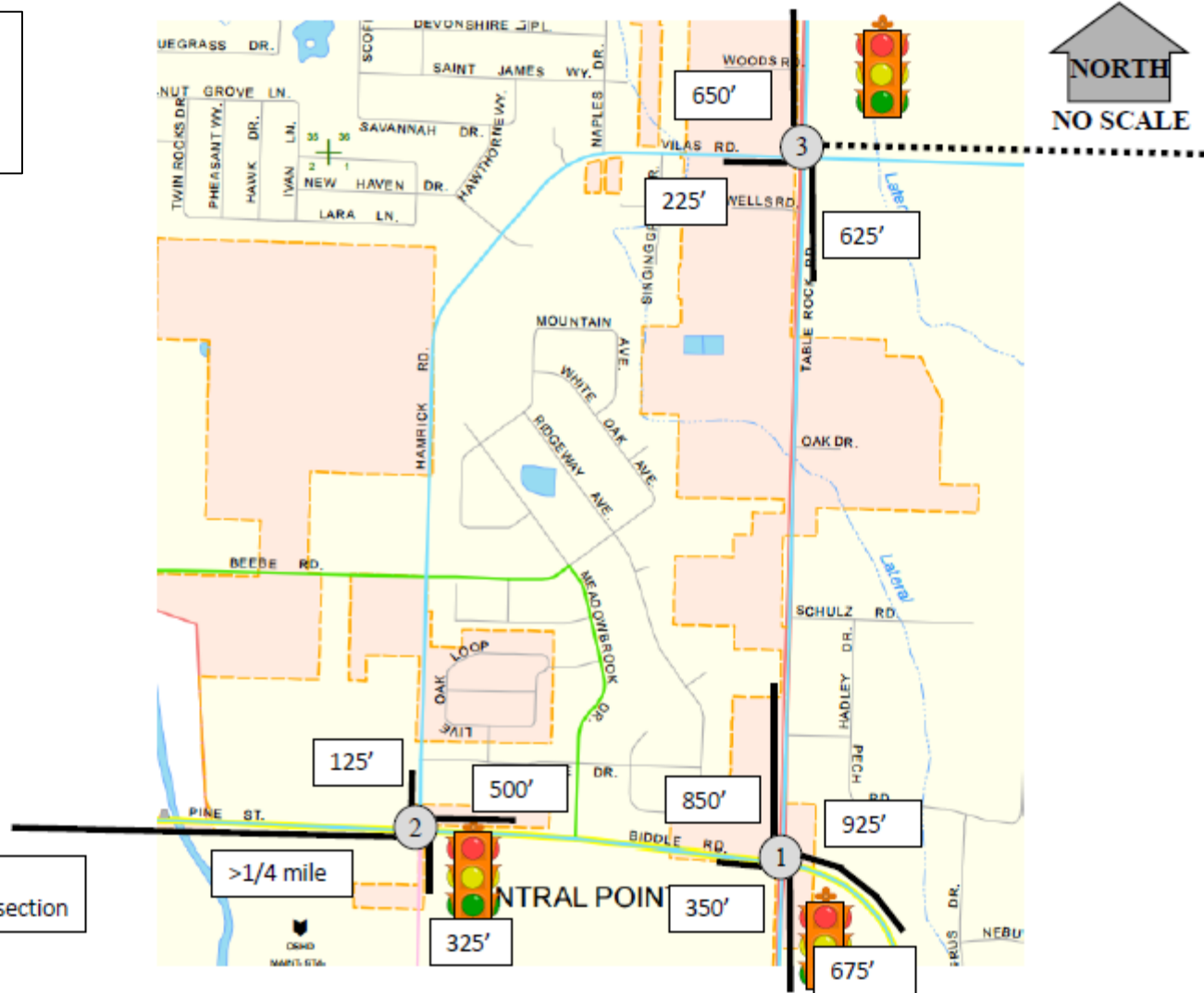




# Southbound OR62 Off-Ramp



# Scenario 1 Queues



OREGON DEPARTMENT OF TRANSPORTATION

TPAU

TRANSPORTATION PLANNING ANALYSIS UNIT

OR62 & Vilas Rd IAMP 95<sup>th</sup> Percentile Queue Lengths  
 No Build with Tier 1 and 2 Projects – NBT2

File : OR62-Vilas

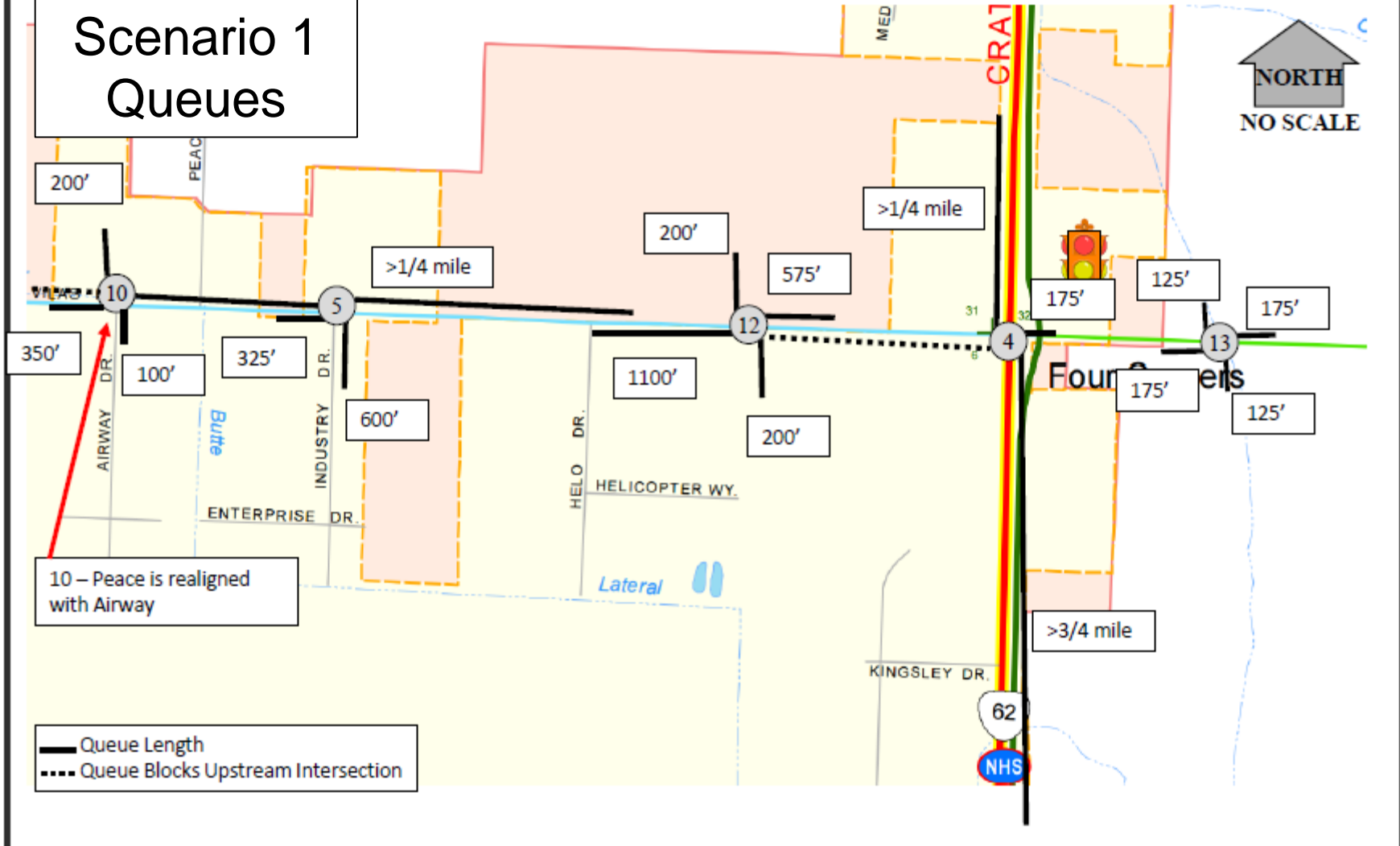
Prepared By: Katie Brown

Date : 3/14/19

Reviewed By: P. Schuytema, P.E.

FIGURE M-3

# Scenario 1 Queues



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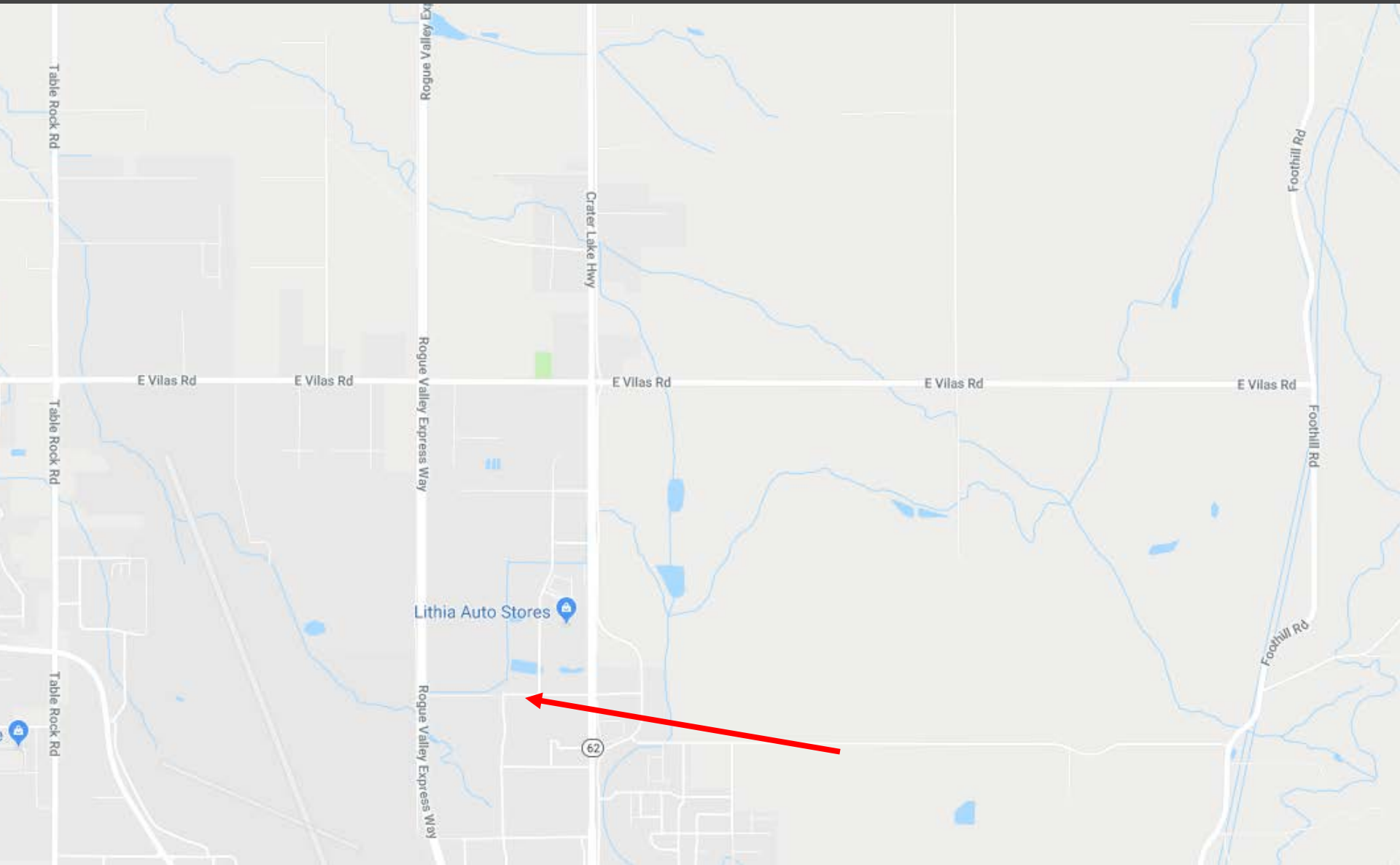
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FIGURE M-4





# Coker Butte Overpass







Thank you.