Quiet Zones BNSF Line

City Council

Meeting Date: January 6, 2019

Presented by Michael R. Beltran II, P.E., City Engineer

Background

- March 2017 Council directs Staff to look at Feasibility of Quiet Zones
- April 2018 Staff receives two (2) proposal for study
- June 2018 Staff presents proposals to Council
- July 2018 Proposals are resubmitted with reduced scope
- November 2018 Council Awards Contract for Feasibility Study

Consultant Scope

- Quiet Zone Feasibility Study
 - Evaluate Existing Conditions
 - Traffic Counts and Sound Study
 - Potential Safety Improvements
 - Stakeholder Coordination Diagnostic Meeting
 - Safety Measure Evaluation
 - Funding Research
 - Environmental Review
 - Draft and Final Feasibility Study
- Quiet Zone Establishment
 - Notice of Intent Package
 - Crossing Improvement Exhibits

What is a Quiet Zone?

- Stretch of Track where Train Horns are not Required
 - Exceptions include:
 - Emergencies
 - Person on Track
 - Workers within 25 feet of Track



Supplemental Safety

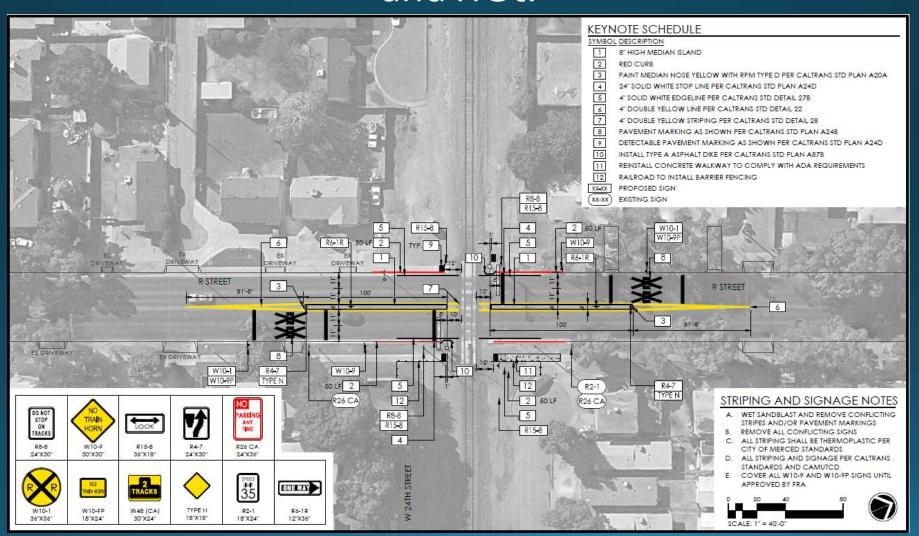
- 14 Supplemental Safety Measures (SSM) established by FRA
 - What are Supplemental Safety Measures
 - SSM #13 Non-Transversable Curb Medians with or without Channelization Devices
 - SSM for 5 of 8 crossings is #13



State Route 59, Bear Creek, K St. Canal St., M St., and R St.

- SR 59 Project Except Signage (Est. \$20,000)
- Bear Creek (Est. \$120,000)
 - Install Pedestrian Barriers
 - Install Asphalt Dikes
- Canal Street (Est. \$180,000)
 - Eliminate / Relocate Post Office Driveway
 - Install Pedestrian Barriers
 - Sidewalks to be ADA
- M Street (Est. \$110,000)
 - Sidewalks to be ADA
- R Street (Est. \$130,000)
 - Residential Driveway to be Right In / Right Out
 - Install Barriers on East Side of Crossing
 - Sidewalks to be ADA

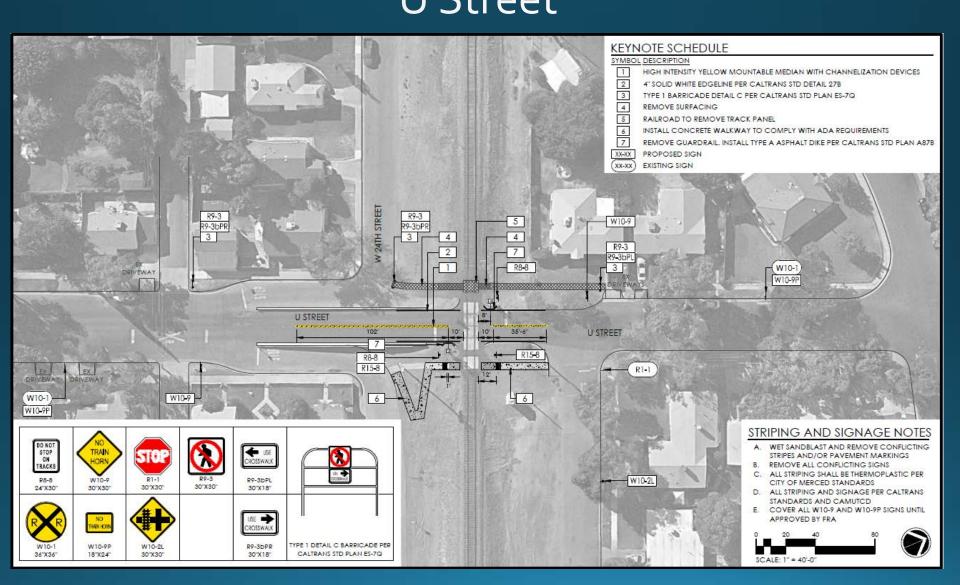
State Route 59, Bear Creek, K St., Canal St., M St., and R St.



Crossings U Street (Est. \$90,000)

- No Supplemental Safety Measures
 - Recommendations for Enhanced Safety
 - Install Fencing Along Corridor
 - Sidewalks to ADA on east, Removal of west sidewalk
 - BNSF and FRA Recommend Closure (U Street)
 - BNSF may contribute to fencing if closed

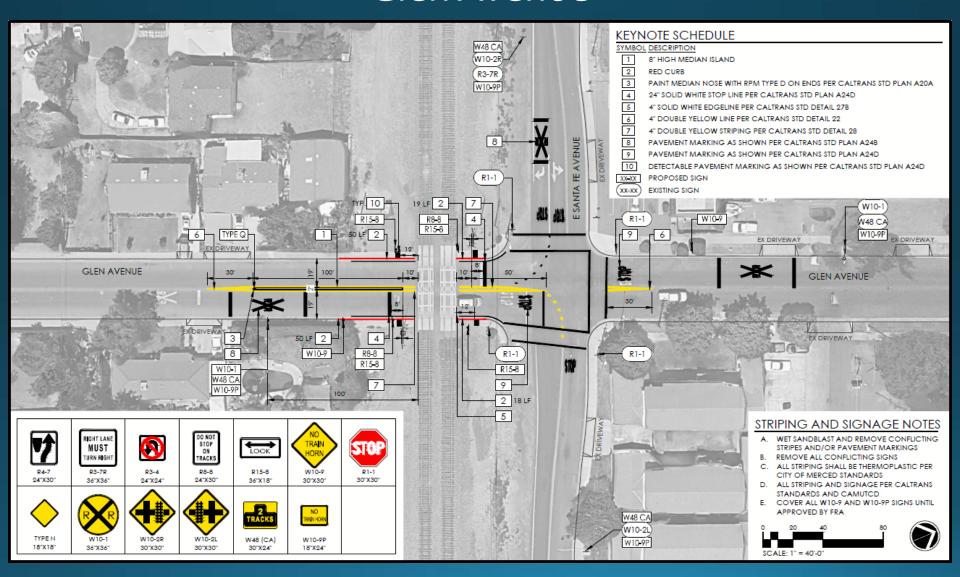
Crossings U Street



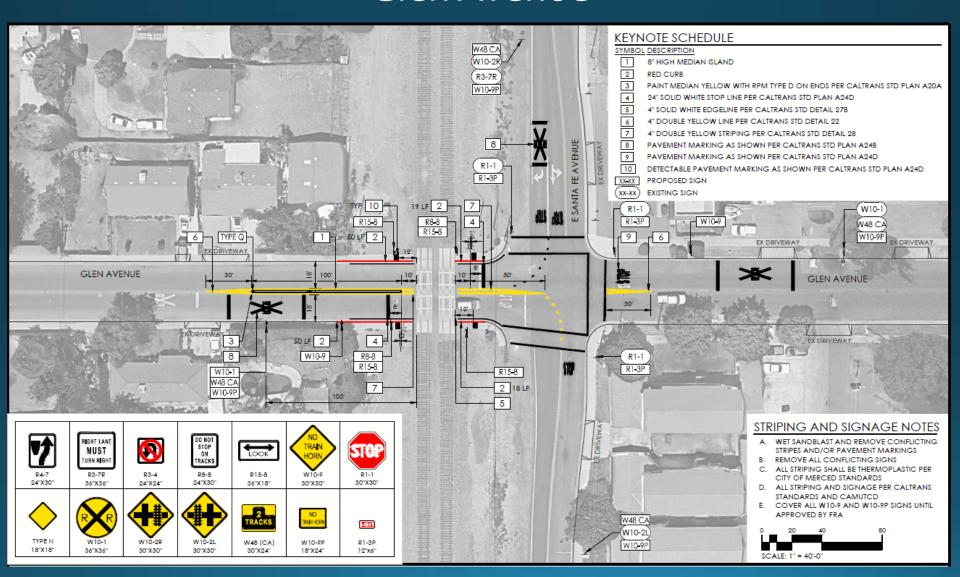
Glen Avenue (Est. \$150,000)

- No Supplemental Safety Measures
 - Traffic Study and Signalization
 - Adjust Striping
 - Relocate North bound Stop Bar
 - Install Fencing
 - Sidewalks to be ADA
 - 3-Way Stop or 4-Way Stop With Median

Glen Avenue



Glen Avenue



Summary of Costs

Intersection	
Highway 59	\$20,000
Bear Creek	\$120,000
Canal Street	\$180,000
M Street	\$110,000
R Street	\$130,000
U Street	\$90,000
Glen Avenue	\$150,000
Total Estimated Cost	\$800,000

Additional Comments

- Pedestrian Fencing entire Corridor Est \$1.6MM
- Amtrak to Blow Horn Entering and Leaving Station
- FRA Quiet Zone Indicator
- Liability to the City

The Process

- PRELIMINARY PLANNING Completed
 - Update Crossing Information
 - Participate in Diagnostic Review
 - Quiet Zone Eligibility FRA Quiet Zone Indicator
 - Identify any Private or Pedestrian Crossings
 - Prepare Estimates

Next Steps

- Determine Funding Sources
 - Grants, Railroad, Local
- Determine Which Crossings
- Identify Supplemental Safety Measure (SSM) for Each Crossing
- Identify Funding to Implement SSMs
- Coordinate with the Railroad for final Approval