



REGIONAL TRANSPORTATION COMMISSION

Metropolitan Planning • Public Transportation & Operations • Engineering & Construction

Metropolitan Planning Organization of Washoe County, Nevada

Verdi Area Multimodal Transportation Study

05 30, 2023





Study Purpose

- Conduct multi-modal analysis to identify:
 - Corridor gaps in connectivity (vehicular, ped, bike, transit)
 - Crash and congestion hot spots
- Design a strategy for developing regional road transportation improvements
- Identify short- and long-term improvements
- Solicit feedback from and inform agencies, stakeholders, and the general public throughout the process
- Development permitting/requirements handled by a respective local agency

Planning

- Existing conditions/needs assessment
- Community visioning
- Evaluation of alternatives
- Action plan/recommended improvements



Environmental

- Environmental study (state or NEPA process)
- Preliminary engineering
- Agency issues decision



Design

- Detailed corridor design
- Right-of-way, utilities, and other impacts
- Construction plans, permits, and funding secured



Construction

- Build and deliver



WE ARE HERE



Study Limits





Goals and Objectives

- Review existing conditions
- Identify gaps and needs
- Provide proposed project recommendations
- Primary focus on regional roads
- Stakeholder outreach



Existing Conditions Summary

- Significant new development
- Crashes primarily on I-80 (86% of overall crashes)
- Traffic growth more significant at interchanges
- Limited truck parking with spillover along 3rd Street and Verdi Road
- Lack of pedestrian connectivity
- Opportunity to enhance recreational bicycle access
- OHV concerns and confusion on regulations/ordinances



Public Outreach and Feedback

- Coffee with the RTC Study Team – June 10, 2022
 - On-site tablets with survey
 - Fact sheets
- Areas of Concern
 - Vehicular Speeds
 - Verdi Road
 - Bus Service
 - More Walkable/Bikeable
 - Better Freeway Access
 - Intersection Safety
 - Wildlife Concerns
 - *No More Development*
 - *Leave Verdi Alone*



A six-question online survey was used to gather public input about multimodal needs and concerns for the Verdi area.

273
RESPONSES RECEIVED

3

Is there a specific location or locations where you would like to see sidewalks constructed?



TOP RESPONSES:

- US 40
- Downtown Verdi
- Near the school
- Bridge Street
- In neighborhoods
- Verdi Road

4

Is there a specific location or locations where you would like to see bike paths/lanes constructed?



TOP RESPONSES:

- US 40
- Bridge Street
- Verdi Road
- Along the river
- 4th Street
- Near the school



UNR Speed Study

- Center for Advanced Transportation Education and Research (CATER)
- Connected Vehicle Data
- Sampling
 - Weekday - March 9th – 11th , 2022
 - Weekend – March 13th & 14th

Route	Posted	Weekday	Weekend	Data Sets
US 40 East	45 mph	37 mph	38 mph	210
US 40 West	45 mph	37 mph	39 mph	74
I-80 East	65 mph	70 mph	70 mph	308
I-80 West	65 mph	70 mph	70 mph	474
Bridge St	25 mph	15 mph	18 mph	43
S. Verdi Rd	25 mph	28 mph	28 mph	23

Average Speed



Proposed Area Improvements - Interstate 80

Near Term (NDOT Contract 3947 – Begin Spring 2023)

- Wildlife Fencing
- Removal of I-80 Rumble Strips

Mid Term

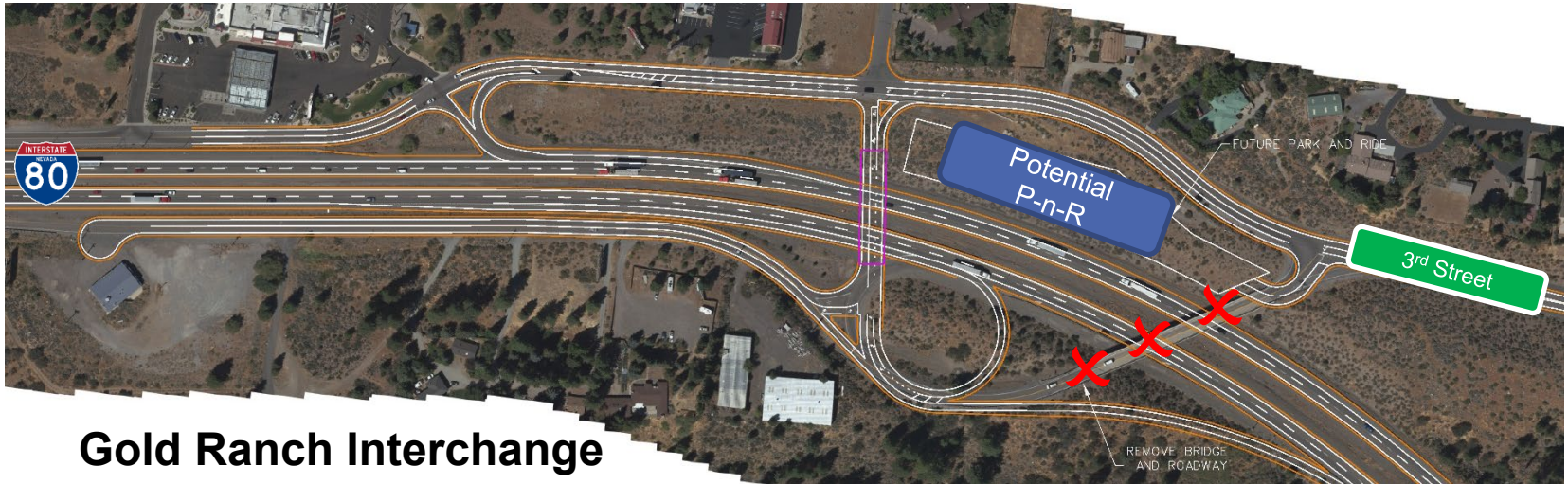
- Median Cable/Barrier Rail Installation
- Bridge Improvements (IIJA Funding)
- Widen I-80/Truckee Bridges (IIJA Funding)

Long Term

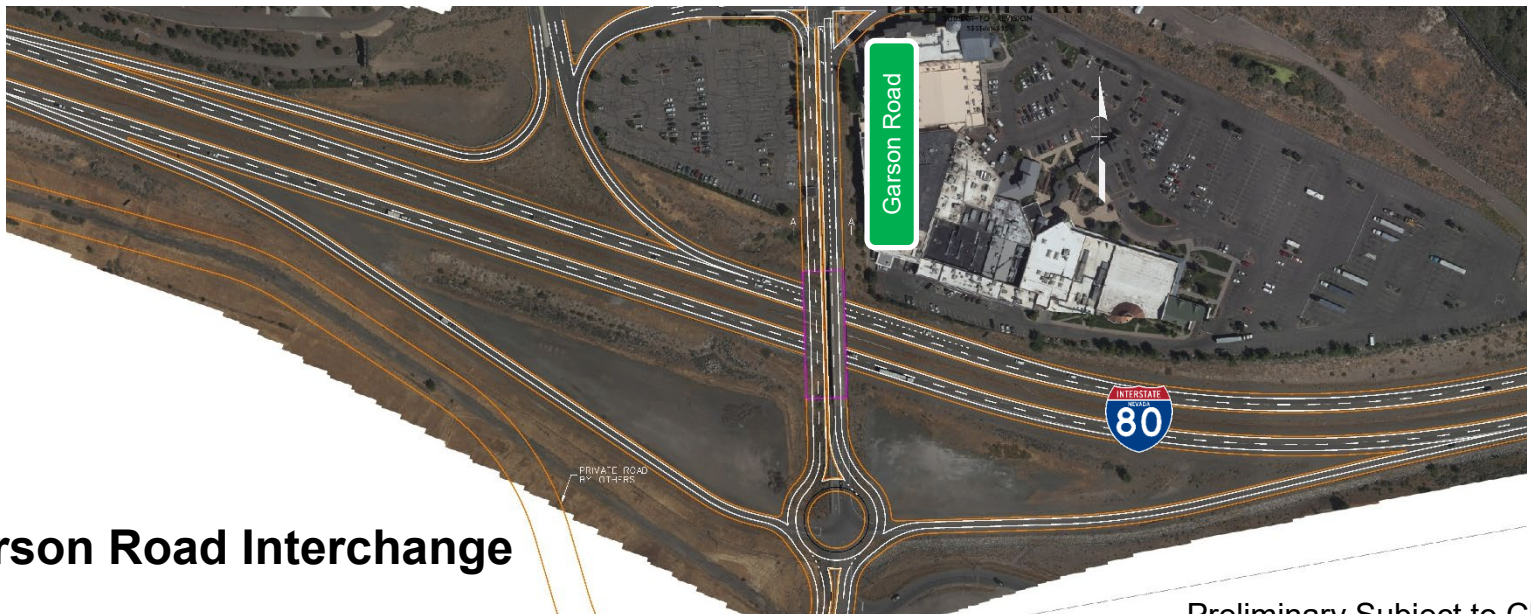
- Widen I-80 to Three Lanes
- Reconfigure/Reconstruct Gold Ranch Interchange and Bridge



Proposed Area Improvements Concepts



Gold Ranch Interchange



Garson Road Interchange

Preliminary Subject to Change



Proposed Area Improvements – Regional Roads

Vehicular

Verdi Road - Existing

- Paved width 22' and 2' – 4' gravel shoulders
- Steep slopes each side (cut-south, fill-north)
- Community concerns of cars going down slope
- Portion within UPRR right-of-way
- 420 AADT (2021)
- Poor cost/benefit & prioritization



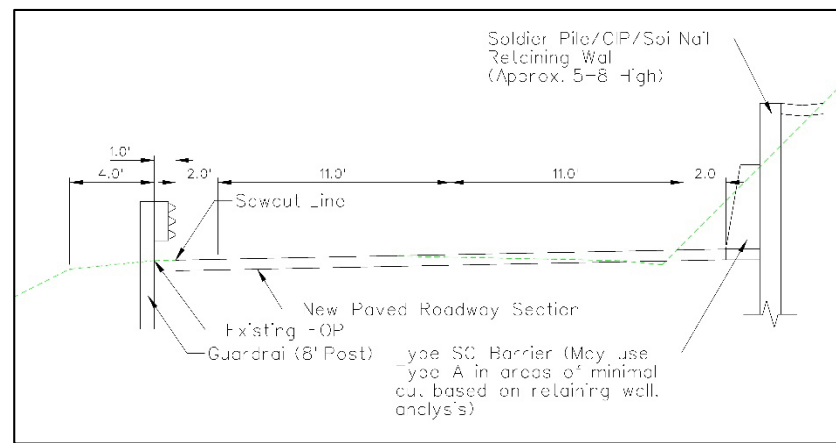
Option 1 - \$\$\$\$

- Two-way roadway – 11' lanes and 2' shoulders
- Provide guardrail on north side
- Significant retaining wall work on south side
 - 5'-8' tall

Option 2 - \$

- Convert to one-way
- Provide guardrail
- 10' travel lane, 8' shared use path

- Either option may require upgrades to UPRR/Bridge Street signal crossing





Proposed Area Improvements – Regional Roads

Pedestrians and Bicyclists

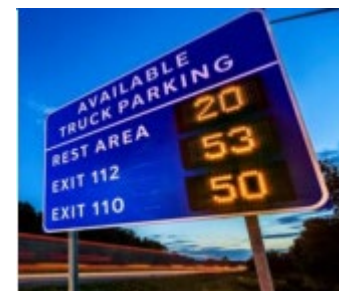
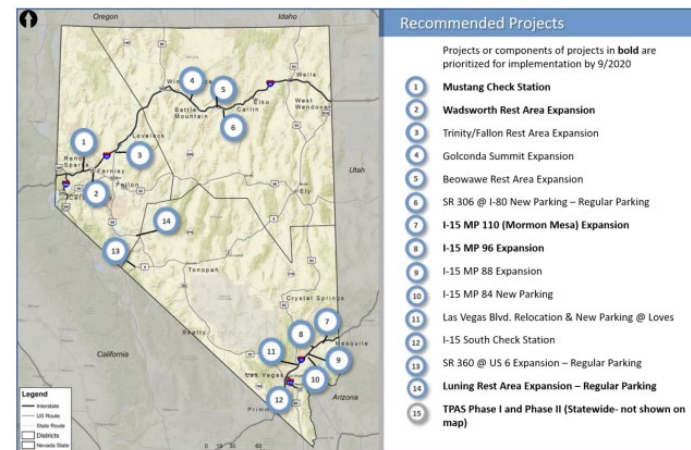
- Enhance Edinburgh roundabout
 - Provide bicycle ramps to utilize crosswalks
- Shared Use Paths
 - 3rd Street
 - Bridge Avenue
 - 3rd Street to Verdi Elementary
 - 3rd Street to Verdi Road (UPRR Crossing)
 - Bridges
 - Truckee 3rd Street (east)
 - Truckee 3rd Street (west)
 - Canal 3rd Street
- Crystal Peak Drive under I-80





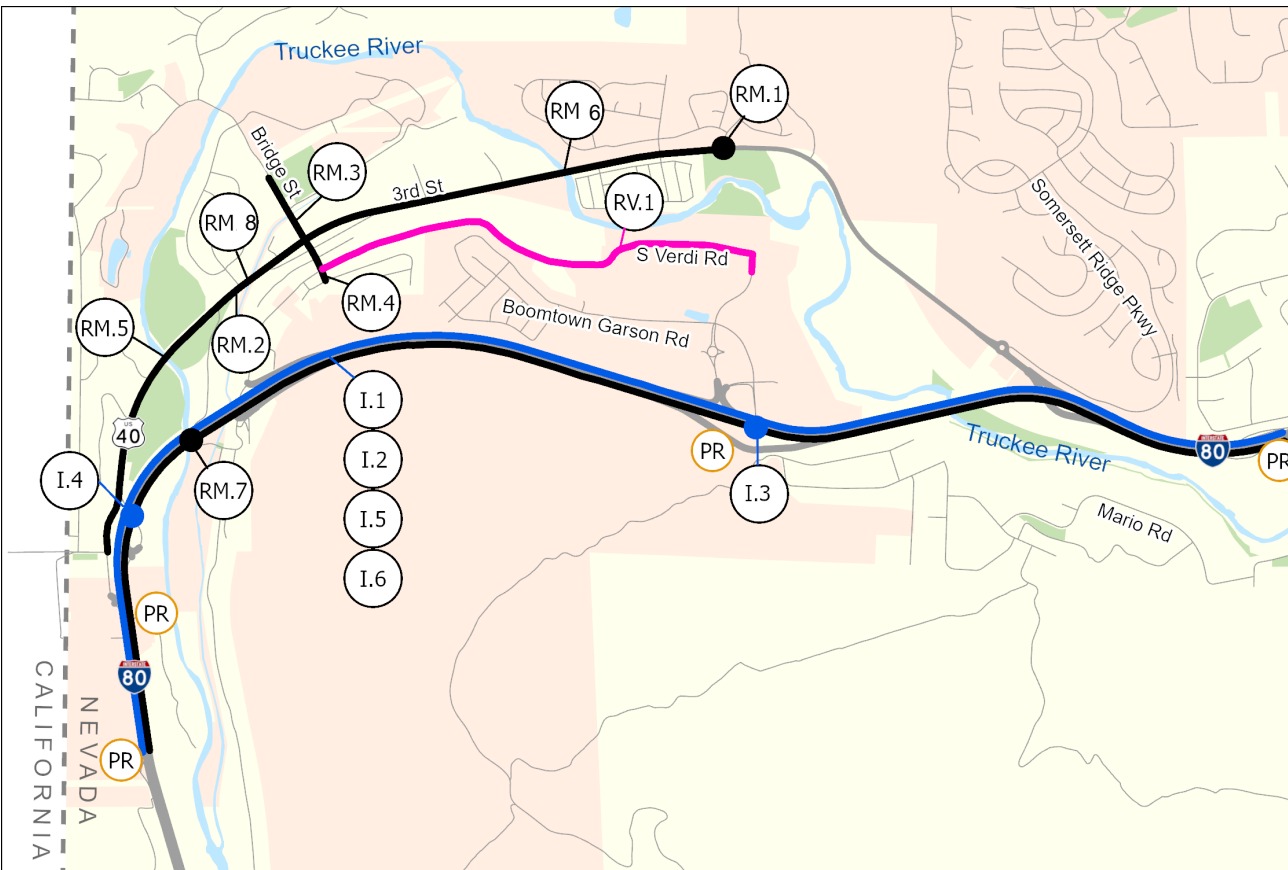
Proposed Area Improvements – Additional

- Freight
 - Freight plan to continue addressing truck parking and advance notification of I-80 closures
 - Private parcels near Gold Ranch and Mogul & 4th Street
 - RTC regional freight study (upcoming)
- Park-n-Rides
 - New Gold Ranch interchange
 - Partnership with Boomtown Casino
- Transit
 - Focused educational outreach to Verdi area
- Speed Management
 - Reduce lanes to 11' on 3rd Street (US 40) from Exit 2 to Exit 5
 - Continue working with law enforcement





Proposed Area Improvements - Summary



— Freeway/Ramp
— Regional Highway
— Collector/Local Street
City of Reno
Washoe County

● I-80 Project - Point Project
— I-80 Project
● Multi-Modal - Regional Road - Point Project
— Multi-Modal - Regional Road
— Vehicular - Regional Road
PR Potential Park-n-Ride Location

0 1 Mile

Verdi Area Multimodal Transportation
Study Recommendations



Interstate (I)

- I.1 – Install wildlife fencing*
- I.2 – Removal of I-80 rumble strips*
- I.3 – Widen/Reconstruct Garson Road structure
- I.4 – Reconfigure/Reconstruct Gold Ranch interchange
- I.5 – Median cable or barrier rail
- I.6 – Widen I-80 to 3 lanes (4th St. to Gold Ranch)
- I.7 – Widen I-80 bridges over Truckee River to accommodate I.5 & R.3

Regional Roads (Peds/Bikes) (R)

- R.1 – Provide sidewalk bike ramps to Edinburgh roundabout
- R.2 – Provide shared use path on 3rd Street
- R.3 – Provide shared use path on Bridge Ave – 3rd St to Verdi Elementary
- R.4 – Provide shared use path on Bridge Ave – 3rd St to Verdi Rd
- R.5 – Provide shared use path bridge over Truckee (3rd St west)
- R.6 – Provide shared use path bridge over Truckee (3rd St east)
- R.7 – Provide shared use path on Crystal Peak under I-80
- R.8 – Provide shared use path bridge over canal

Regional Roads (Vehicles) (V)

- V.1 – Improve S. Verdi Road – Bridge St to Cabela Dr

* Ongoing projects



Next Steps

- Address public comments and finalize draft report
- Draft report for board approval



THANK YOU

Regional Transportation Commission of Washoe County

In association with
CA Group and Parametrix

Truckee Meadows/Verdi Citizen's Advisory Board Meeting

xwang@rtcwashoe.com
chad.anson@c-agroup.com

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