

# U.S. 395 Parr Boulevard Bridge

## Washoe County Board of County Commissioners Update



Jae Pullen, Project Manager  
November 10, 2020

# U.S 395 NORTH VALLEYS PHASE 1A PARR BOULEVARD BRIDGE REPLACEMENT



- New Bridge Opened October 9th

# U.S 395 NORTH VALLEYS PHASE 1A PARR BOULEVARD BRIDGE REPLACEMENT

## Public Feedback & Visibility Enhancements





# Mount Rose Corridor

## Washoe County Board of County Commissioners Update



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## Safety Improvements & Corridor Study



# MOUNT ROSE CORRIDOR UPDATE: SAFETY IMPROVEMENT PROJECT

## Callahan Rd & Edmonton Dr Safety Enhancements:

- Installing median islands, turn lane, & intersection lighting
- Advertise: November 2021
- Anticipated Construction Start: Spring 2022





## Corridor Action Plan:

- Define acceptable levels of access & mobility; consolidate & control access points
- Determine transportation system needs to support surrounding land uses
- Identify high level project solutions that support the corridor vision
- Build consensus with NDOT's partnering agencies & the public

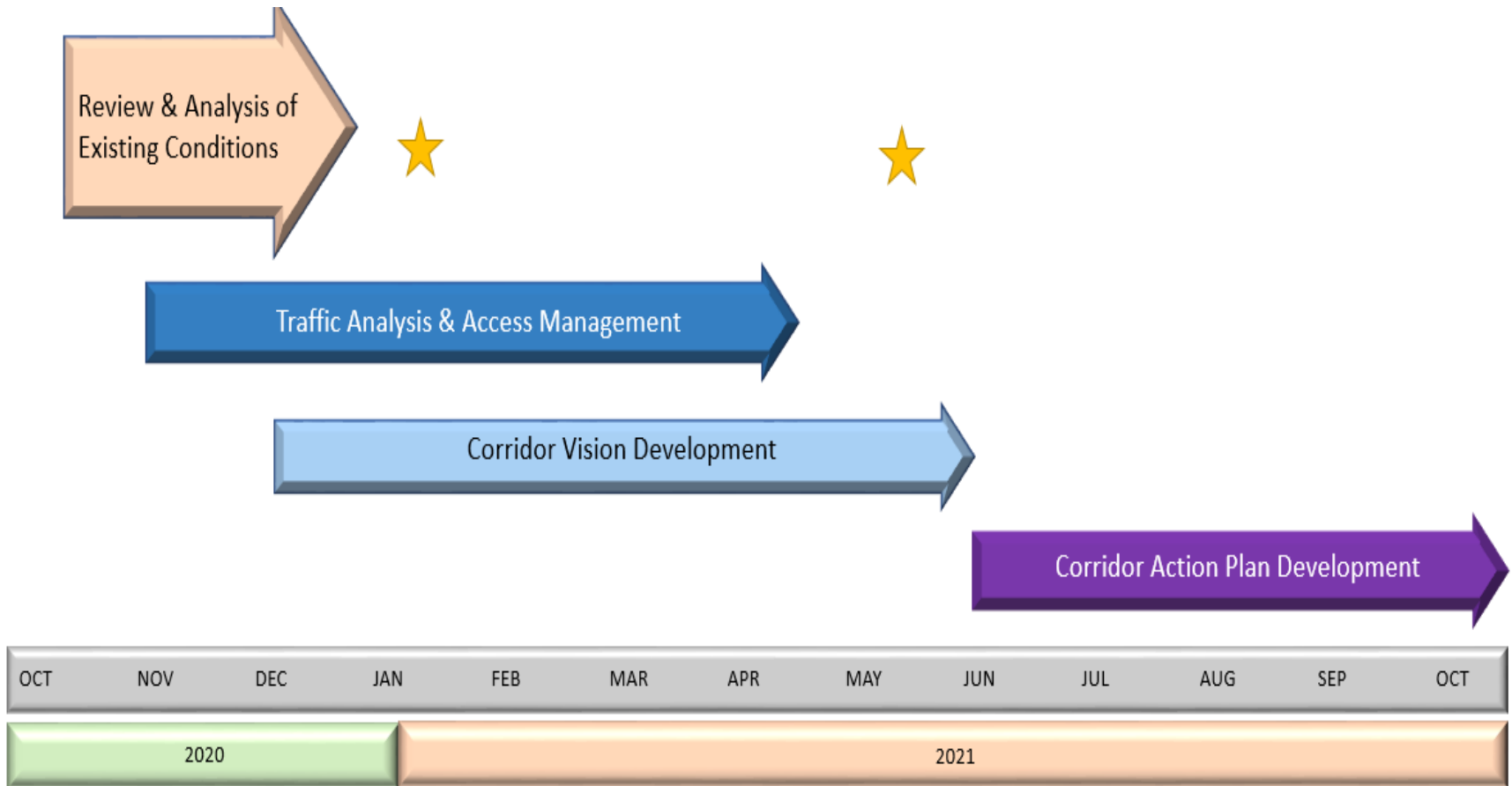


# MOUNT ROSE CORRIDOR UPDATE: STUDY LIMITS





# MOUNT ROSE CORRIDOR UPDATE: BASELINE SCHEDULE



Public Meetings

## Jae Pullen, Project Manager



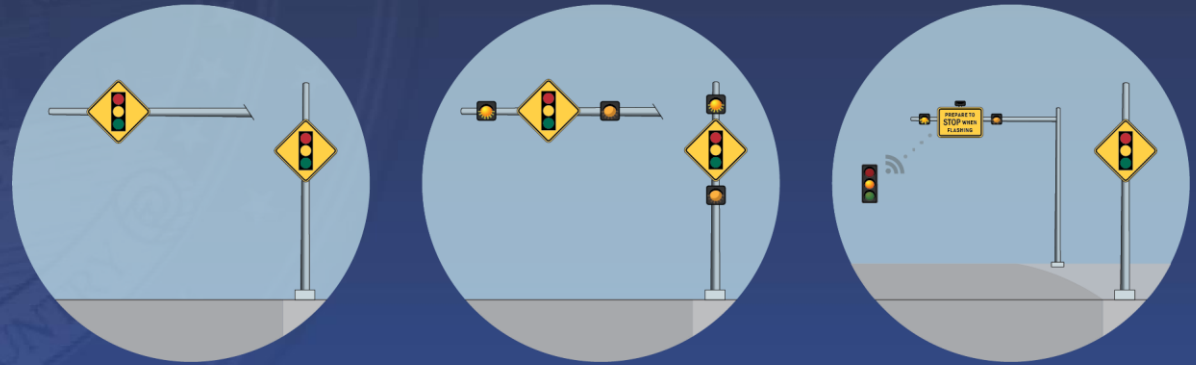
**JPULLEN@DOT.NV.GOV**



**(775) 888-7589**



# Statewide Advance Signal Warning System Changes



## Washoe County Board of County Commissioners Study & Project Overview



Sam Ahiamadi, Project Manager

November 10, 2020

# ADVANCE SIGNAL WARNING SYSTEM (ASWS) CHANGES

- **GOAL:** to develop a unified approach statewide that promotes uniformity and consistency in the treatment of ASWS specific to each intersection's individual needs.
- This will enhance the safety of the traveling public and **promote better driver behavior**. Similar modifications in other states have shown a reduction in crashes, including severe crashes and crashes from drivers running red lights.





- ASWS are used to alert drivers of upcoming traffic conditions, especially the potential need to stop at a signalized intersection.
- ASWS include the yellow signs stationed over the roadway that often feature flashing yellow lights to warn of a traffic signal ahead.



# PROJECT DEVELOPMENT TIMELINE TO DATE



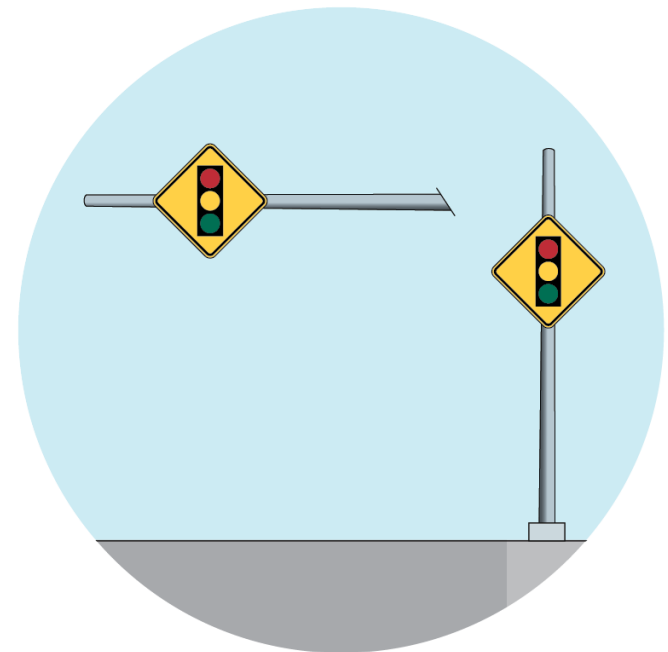


- **STATIC SYSTEM:**

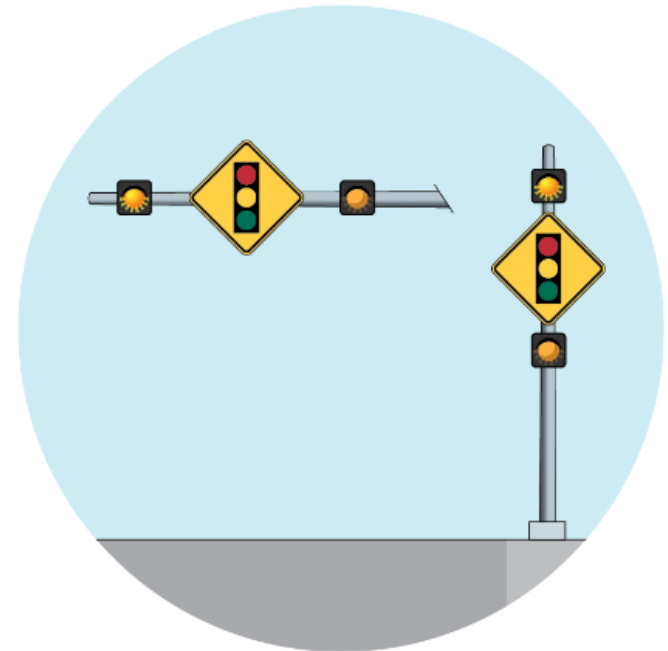
Only includes signage alerting drivers to an upcoming traffic signal or intersection.

- Best used if:

- Signal is visible from an adequate distance but there is still a need to provide some advance warning.



- **PASSIVE SYSTEM:** Includes signage and a continuously flashing beacon.
- Best used if:
  - Signal is visible from an adequate distance but drivers are transitioning from a rural to an urban area
  - Signal is isolated, unexpected, and/or road speeds are above 45mph



- **ACTIVE SYSTEM:** Includes signage and a flashing beacon that is connected to the signal controller, and only flashes during a signal change, such as from green to yellow, or when a signal is red.
- Best used if:
  - Signal has limited sight distance that doesn't provide proper reaction time
  - Area has heavy truck traffic, winter or other conditions that require additional stopping distance or reaction time



# WHEN TO REMOVE ASWS



- ASWS were previously installed based upon speed threshold
- NDOT's update to mirror updated Manual on Uniform Traffic Control Devices (MUTCD) guidance and account for field conditions
- As part of the project each location had a field review conducted
- Site specific conditions were accounted for as part of the recommendations



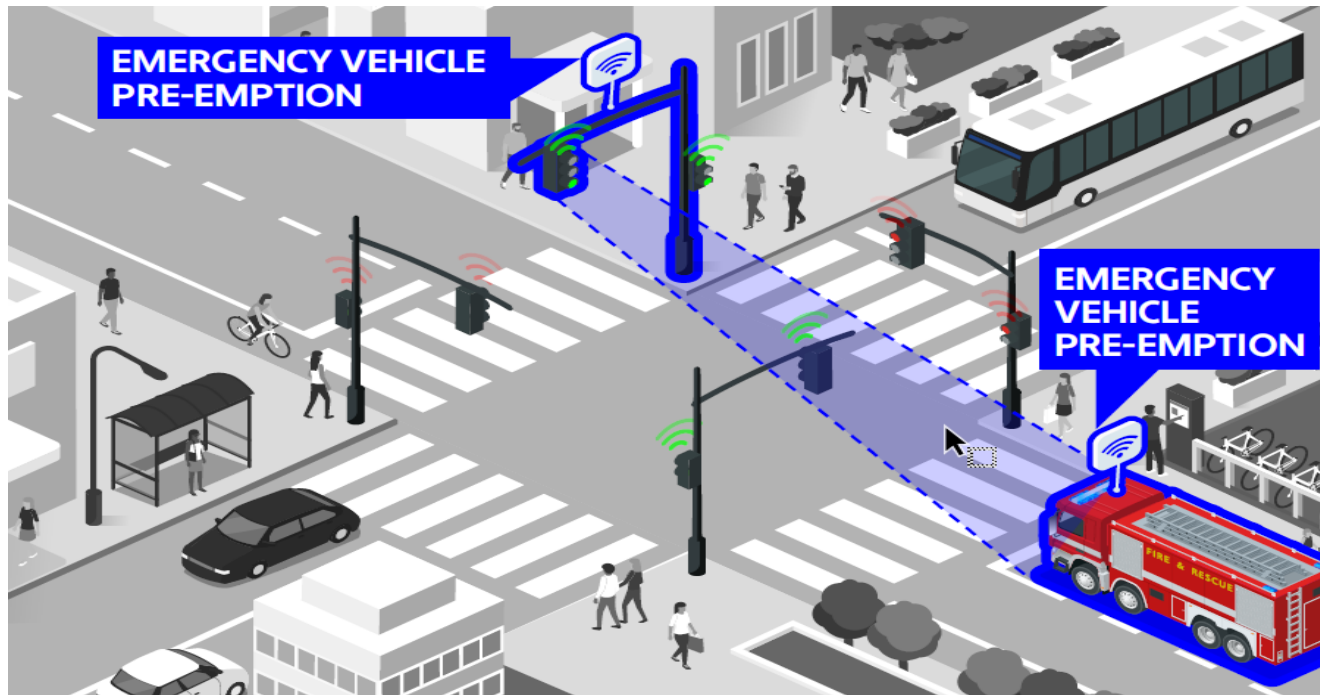


- Study and project promote uniformity and consistency in ASWS throughout Nevada
- Enhance safety and promote better driver behavior
- Effort aims to reduce red-light running, and speeding some of the most serious traffic problems in the nation.
- Estimates show vehicles running red lights result in more than 200,000 people being injured and approximately 900 deaths nationwide per year.

- Timing is being modified to promote safer driving behaviors. Currently, at certain intersections, an advanced notice is being given to drivers and they are “overdriving” or attempting to “beat” the signal and running red lights.
- Timing will vary for each advance signal and is dependent upon the geometry and site conditions at each location.



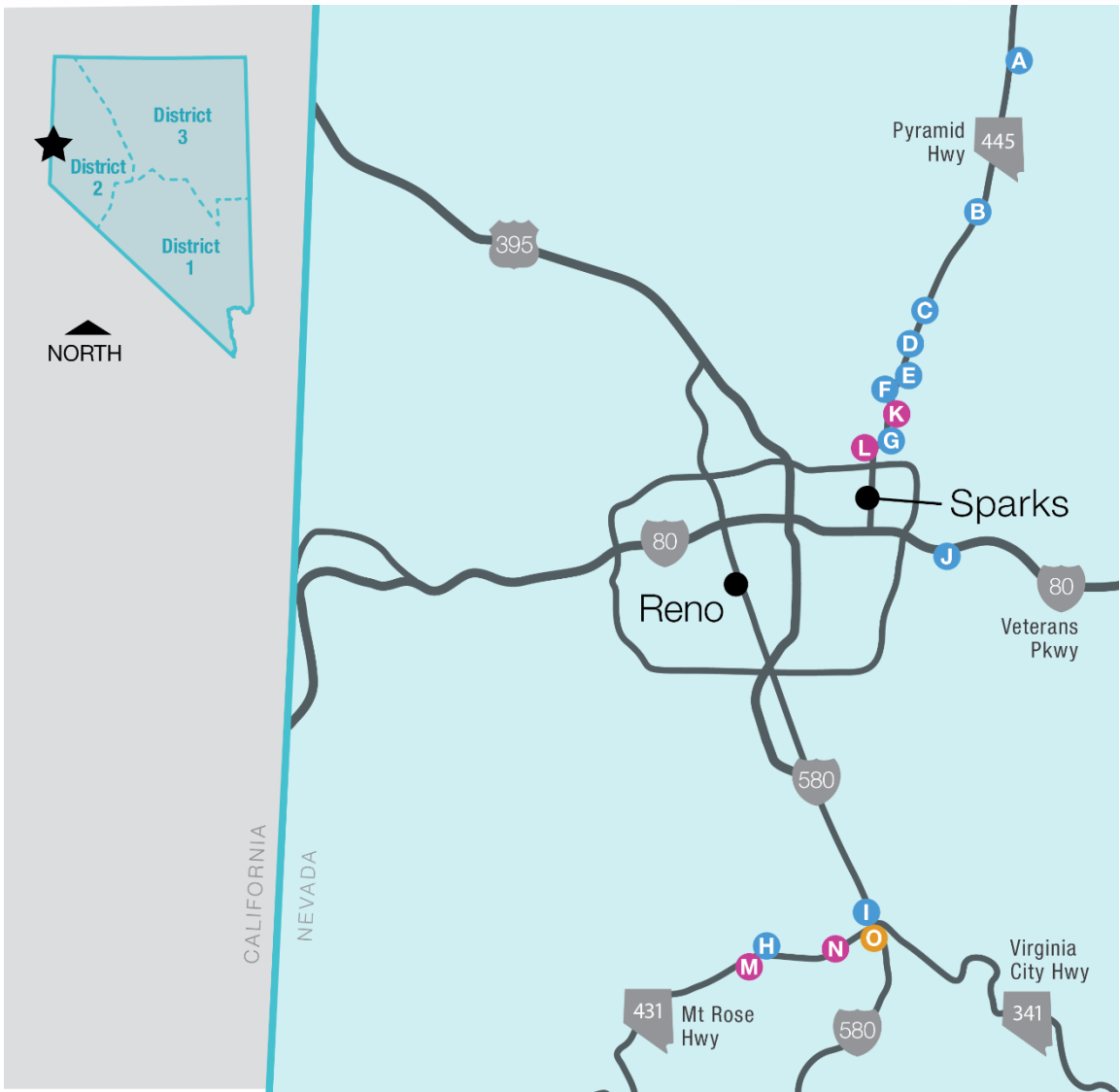
# EMERGENCY VEHICLE PRE-EMPTION & PEDESTRIAN PRIORITY



## Still fully functioning without ASWS

- With and without ASWS, emergency vehicles can disrupt a normal signal cycle to proceed through an intersection more quickly, under safer conditions
- Protected pedestrian crossings
- Emergency vehicle detection
- Emergency vehicle pre-emption

# RENO-SPARKS AREA



## TRAFFIC SIGNAL REMAINS, ELIMINATE ADVANCE WARNING SIGN



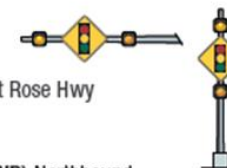
- A** (NB) SR-445 Pyramid Hwy / Calle De La Plata
- B** (NB/SB) SR-445 Pyramid Hwy / Eagle Canyon Dr / La Posada Dr
- C** (NB/SB) SR-445 Pyramid Hwy / Lazy Five Pkwy
- D** (NB/SB) SR-445 Pyramid Hwy / Sparks Blvd
- E** (NB/SB) SR-445 Pyramid Hwy / Golden View Dr
- F** (NB/SB) SR-445 Pyramid Hwy / Los Altos Pkwy
- G** (SB) SR-445 Pyramid Hwy / Disc Dr
- H** (WB) SR-431 Mt Rose Hwy / Thomas Creek Rd
- I** (SB) US-395A / SR-431 Mt Rose Hwy
- J** (NB) I-80 Veterans Pkwy / Greg St

## MODIFY TIMING



- K** (NB) SR-445 Pyramid Hwy / Disc Dr
- L** (SB) SR-445 Pyramid Hwy / Farr Ln / Queen Way
- M** (EB) SR-431 Mt Rose Hwy / Thomas Creek Rd
- N** (EB) SR-431 Mt Rose Hwy / Wedge Pkwy

## CONVERT TO PASSIVE

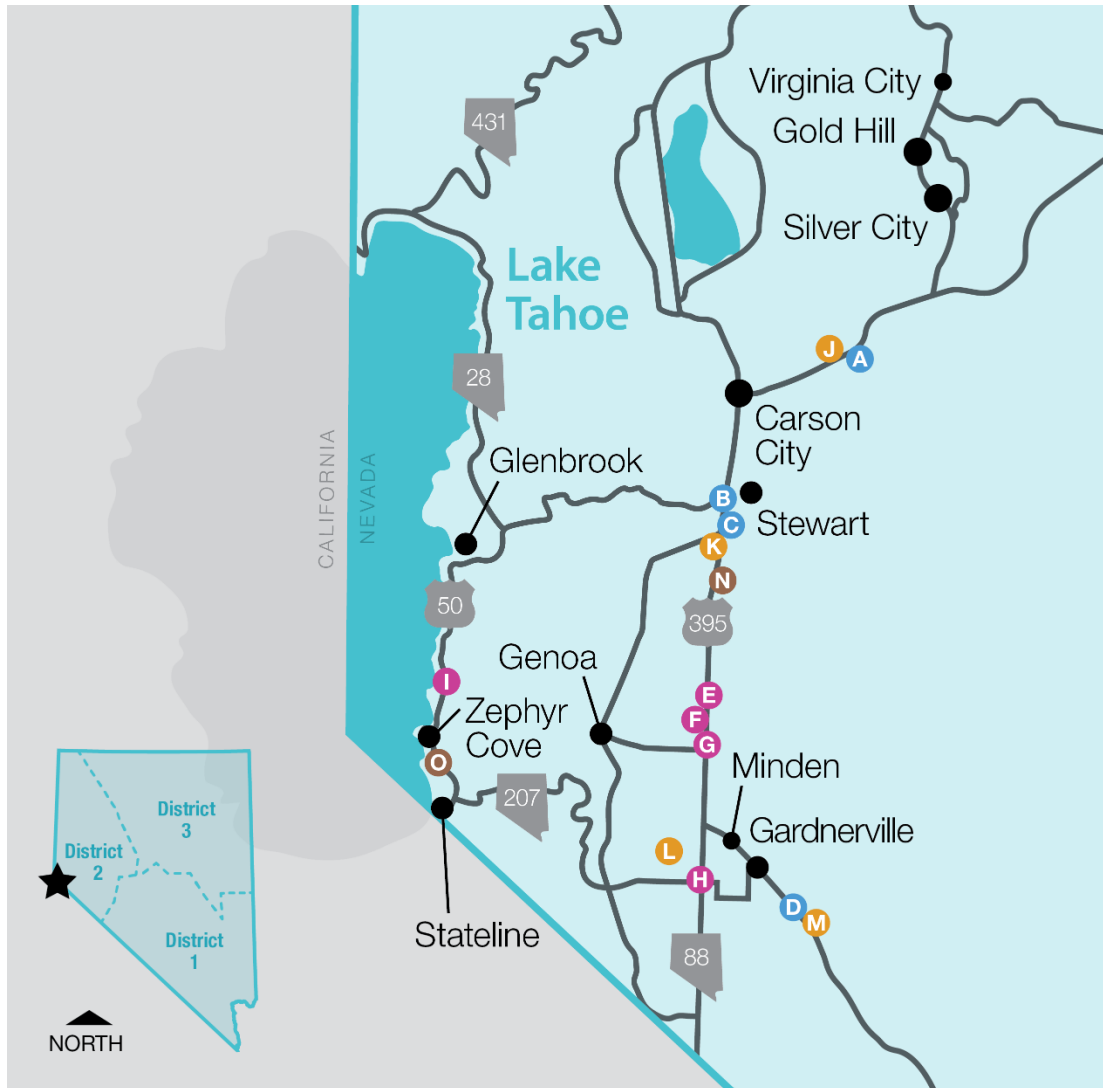


- O** (NB) US-395A / SR-431 Mt Rose Hwy

(SB) Southbound (NB) Northbound  
(EB) Eastbound (WB) Westbound



# CARSON – TAHOE – DOUGLAS COUNTY AREA



## TRAFFIC SIGNAL REMAINS, ELIMINATE ADVANCE WARNING SIGN



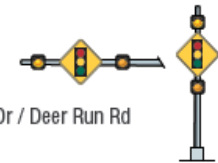
- A (EB) US-50 / Arrowhead Dr / Deer Run Rd
- B (NB) US-395 / Topsy Ln
- C (NB) US-395 / Sunridge Dr
- D (SB) US-395 / Muller Pkwy

## MODIFY TIMING



- E (NB) US-395 / Stephanie Way
- F (NB) US-395 / Johnson Ln
- G (NB) US-395 / Airport Rd
- H (NB/SB) SR-88 / Waterloo Ln / Mottsville Ln
- I (NB) US-50 / Zephyr Cove

## CONVERT TO PASSIVE



- J (WB) US-50 / Arrowhead Dr / Deer Run Rd
- K (NB) US-395 / Mica Dr
- L (EB/WB Side Streets) SR-88 / Waterloo Ln / Mottsville Ln
- M (NB) US-395 / Muller Pkwy

## MODIFY TO STATIC



- N (SB) US-395 / Mica Dr
- O (NB) US-50 / Elks Point Rd

(SB) Southbound (NB) Northbound  
(EB) Eastbound (WB) Westbound



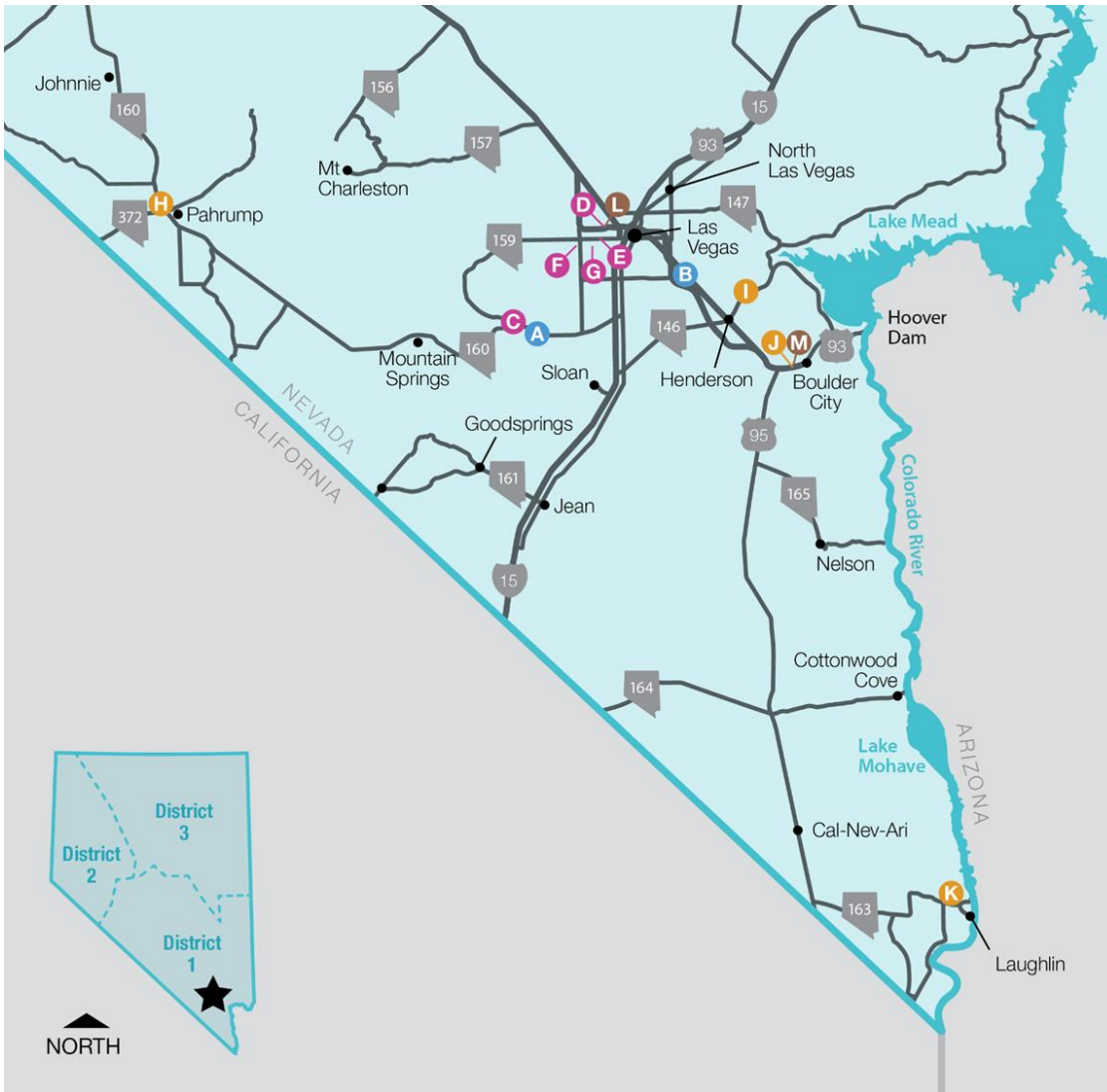
## MODIFY TIMING



**A** (NB/SB) SR-227 / Errecart Blvd / Powderhouse Rd

**B** (EB/WB) SR-227 / SR-228

(SB) Southbound      (NB) Northbound  
(EB) Eastbound      (WB) Westbound

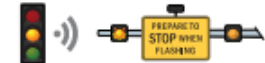


## TRAFFIC SIGNAL REMAINS, ELIMINATE ADVANCE WARNING SIGN



- A** (EB) SR-160 / Fort Apache
- B** (SB) Boulder Hwy / Gibson Rd

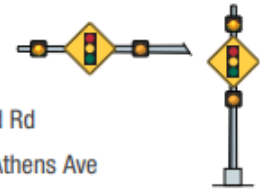
## MODIFY TIMING



- C** (EB/WB) SR-160 / SR-159
- D** (WB) Sahara Ave / I-15
- E** (WB) Spring Mountain Rd / I-15 (sign shape change)
- F** (EB) Flamingo Rd / Decatur Blvd\*
- G** (WB) Flamingo Rd / Hotel Rio Dr\*

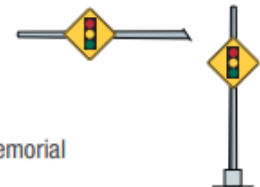
\*Requires further study

## CONVERT TO PASSIVE



- H** (WB) SR-160 / Homestead Rd
- I** (WB) Lake Mead Pkwy / Athens Ave
- J** (EB) US-93 / Veterans Memorial
- K** (EB) SR-163 / Casino Dr

## MODIFY TO STATIC



- L** (SB) I-15 / Sahara Ave
- M** (WB) US-93 / Veterans Memorial

## SCHEDULE





## **NDOT District 1: Southern Nevada: Clark and Nye counties**

- Contract Awarded to ACME Electric on 10/14/2020 (P311-20-016)
- NTP has been issued;  
construction will commence on November 16

## **Northern Nevada NDOT District 2 SOUTH: Carson and Douglas counties**

- Contract Awarded to Parr Electric on 10/27/2020 (P313-20-016)
- NTP has been issued; construction will commence on November 30

## **Northern Nevada NDOT District 2 NORTH: Washoe county**

- Project implementation to be coordinated



- Access to businesses and residences will remain open at all times and traffic alerts will advise drivers before any major construction. Where needed, flaggers will be stationed at designated areas to maintain safe travel.
  
- Construction activities could include:
  - Lane closures
  - Traffic delays
  - Detours
  - Noise, dust and vibrations



Website: [NVsafesignals.com](https://www.nvsafesignals.com)

## Communications Toolkit

- Frequently Asked Questions
- District Fact Sheets
- Video



Hotline: 775.888.7000



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