

Advanced Signal Warning System Project Update

January 12, 2022



ADVANCED SIGNAL WARNING SYTEM

ASWS are used to alert drivers when certain features are necessary to provide specific advance notice for 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.





CONSIDERATIONS FOR ASWS USE

Considerations listed in the State Guidance

- Limited Sight Distance
- Isolated or Unexpected Intersection
- High Speed
- Engineering Judgment





ASWS CHANGES

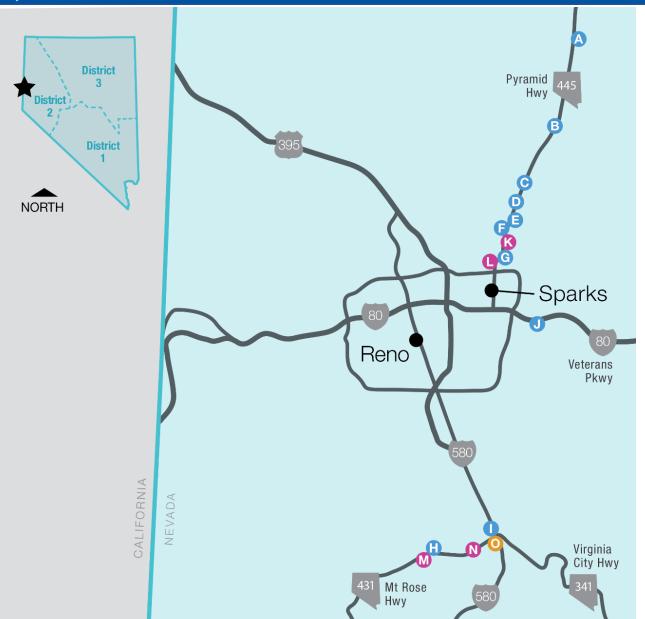
GOAL: to develop a unified approach statewide that promotes uniformity and consistency in the treatment of ASWS specific to each intersection's individual needs. This will enhance the safety of the traveling public and **promote better driver behavior**.

- System modifications have been successfully completed in Carson, Douglas, and Las Vegas.
- Similar modifications in other states have shown a reduction in travel speeds which enhances safety.





RENO-SPARKS AREA



TRAFFIC SIGNAL REMAINS, ELIMINATE ADVANCE WARNING SIGN



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

MODIFY TIMING





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

CONVERT TO PASSIVE



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

(SB) Southbound

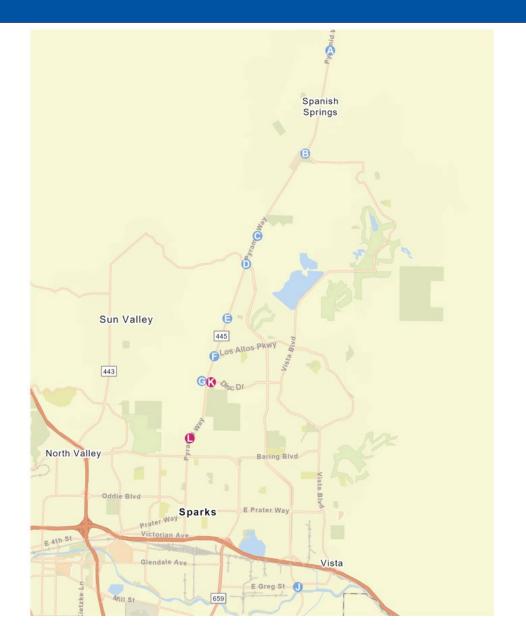
(NB) Northbound

(EB) Eastbound

(WB) Westbound



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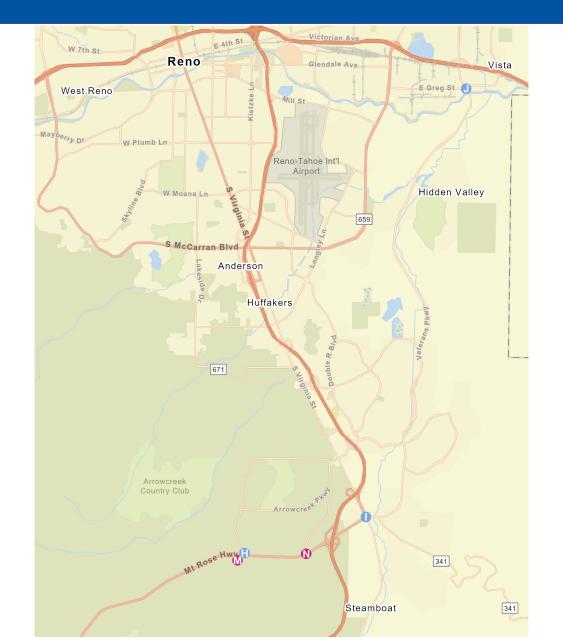
(SB) Southbound

(NB) Northbound

(EB) Eastbound (WB) Westbound



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PROJECT SCHEDULE

SCHEDULE





PROJECT UPDATE

Construction complete

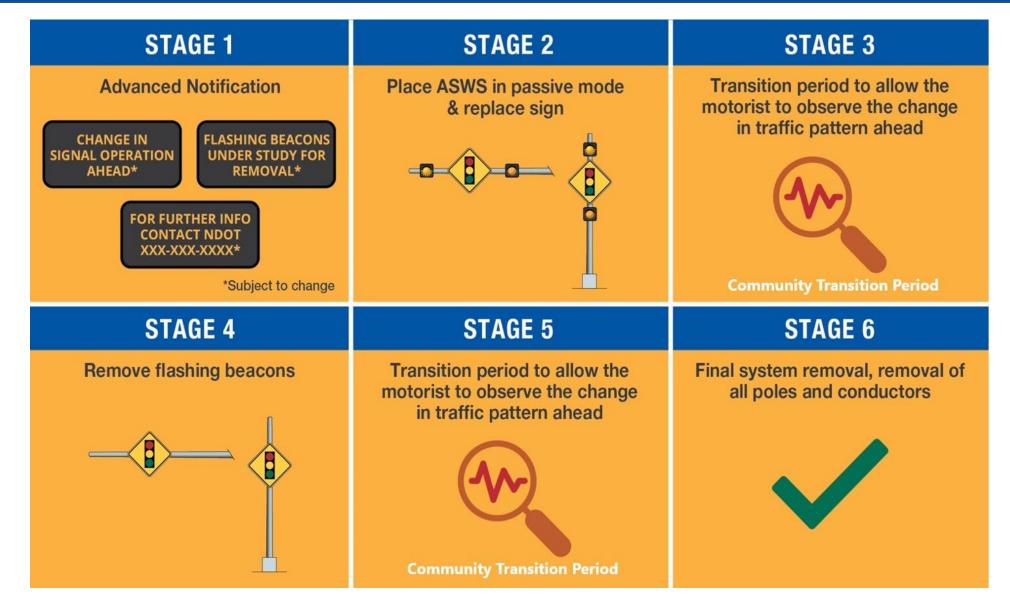
- ✓ Northern Nevada NDOT District 2 SOUTH: Carson City and Douglas County
- ✓ NDOT District 1: Clark County/Las Vegas Area
- ✓ NDOT District 3: Northeastern Nevada/Elko Area

Construction scheduled to begin in Spring/Summer 2022

□ Northern Nevada NDOT District 2 NORTH: Washoe County



DECOMMISSIONG PLAN STAGES





UNR TRAFFIC STUDY





UNR TRAFFIC STUDY

- UNR'S use of LiDAR (Light Detecting And Ranging) was completed in December of 2020 and prepared by the UNR Center for Advanced Transportation Education and Research
- The Intersection Traffic Study with LiDAR at Pyramid and Los Altos Pkwy was prepared for the Regional Transportation Commission (RTC), Washoe.

Methodology

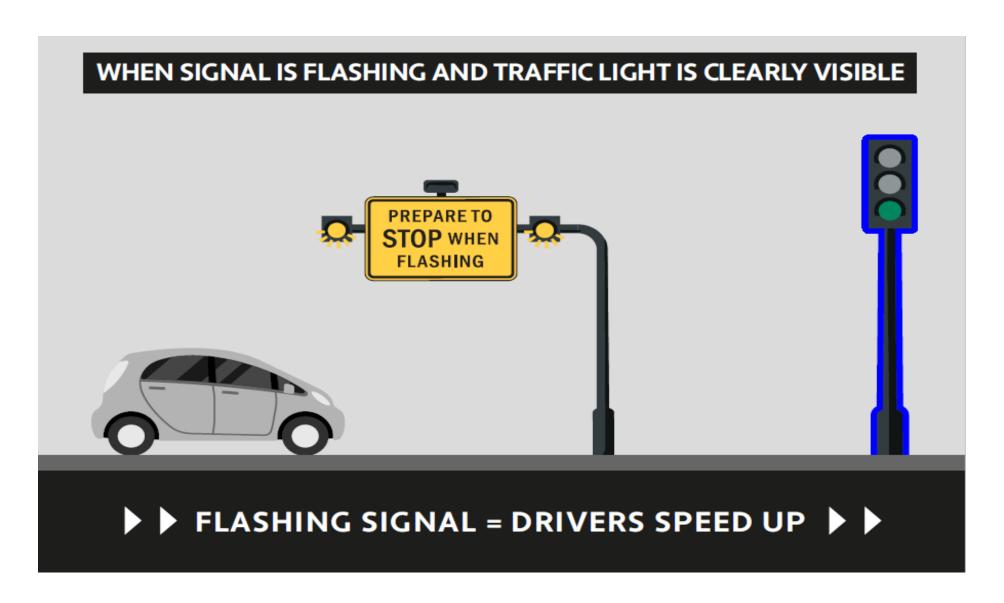
7 speed-study zones for each southbound lane

Conclusion

When both the ASWS signal <u>and</u> traffic light were clearly visible, <u>most</u> vehicles sped up by a few miles per hour after the ASWS signal was activated

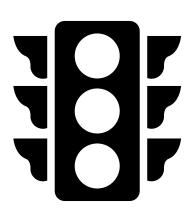


ASWS





PROJECT SUCCESS



After decommissioning was carried out in Carson City, Douglas County, and Las Vegas, **no crashes** were reported at the removal locations.



STAY CONNECTED



Website: NVsafesignals.com

Communications Toolkit

- Frequently Asked Questions
- District Fact Sheets
- Video



Hotline: 775.888.7000



Email: info@dot.nv.gov



ASWS

THANK YOU

