



# Henderson Interchange Project Public Information Meeting

David Bowers, PE, NDOT Project Manager  
July 22, 2021

# WHAT CAN I EXPECT TONIGHT?

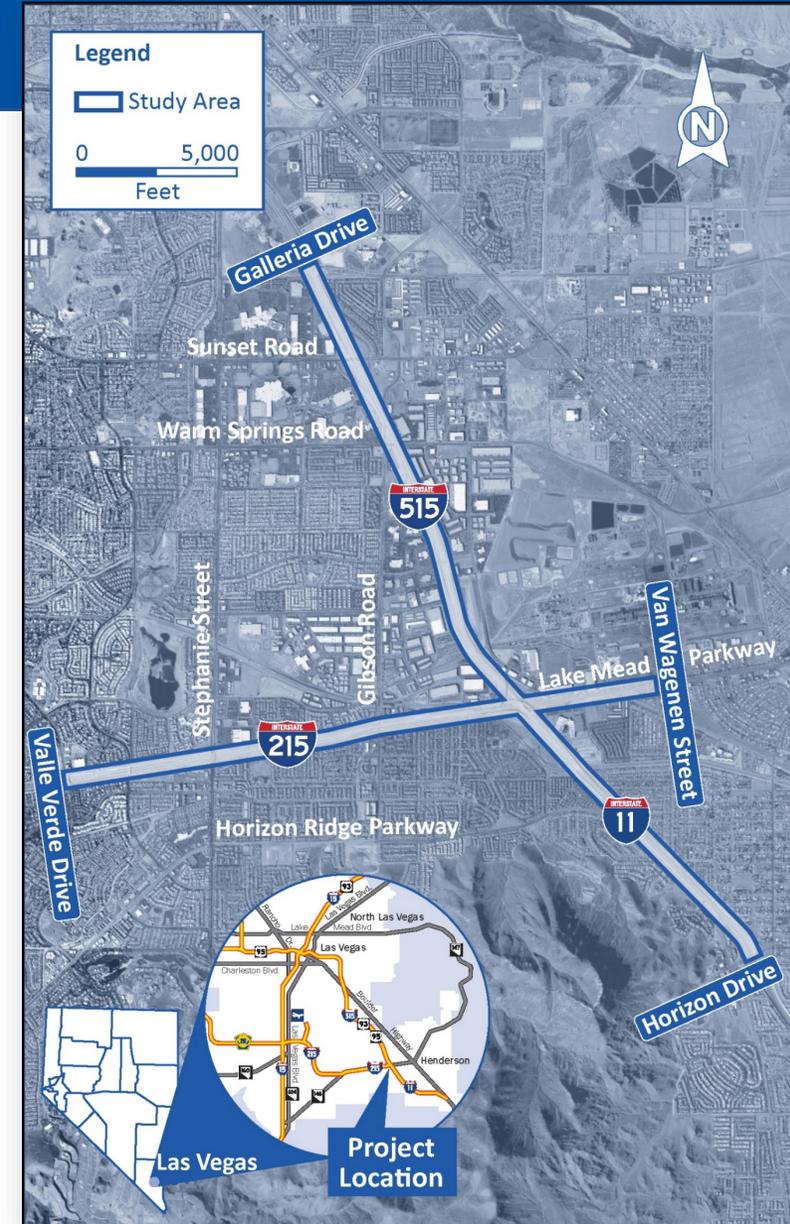
- Updated project information
- Project timeline
- Opportunity to submit comments
- Discussion with project staff

*Virtual Public Meeting: July 6 – August 5*  
<http://dot.nv.gov/hendersoninterchange>

# WHAT IS THE PROJECT AREA?

Study area limits:

- Valle Verde Drive to the west, Van Wagenen Street to the east, Galleria Drive to the north, and Horizon Drive to the south



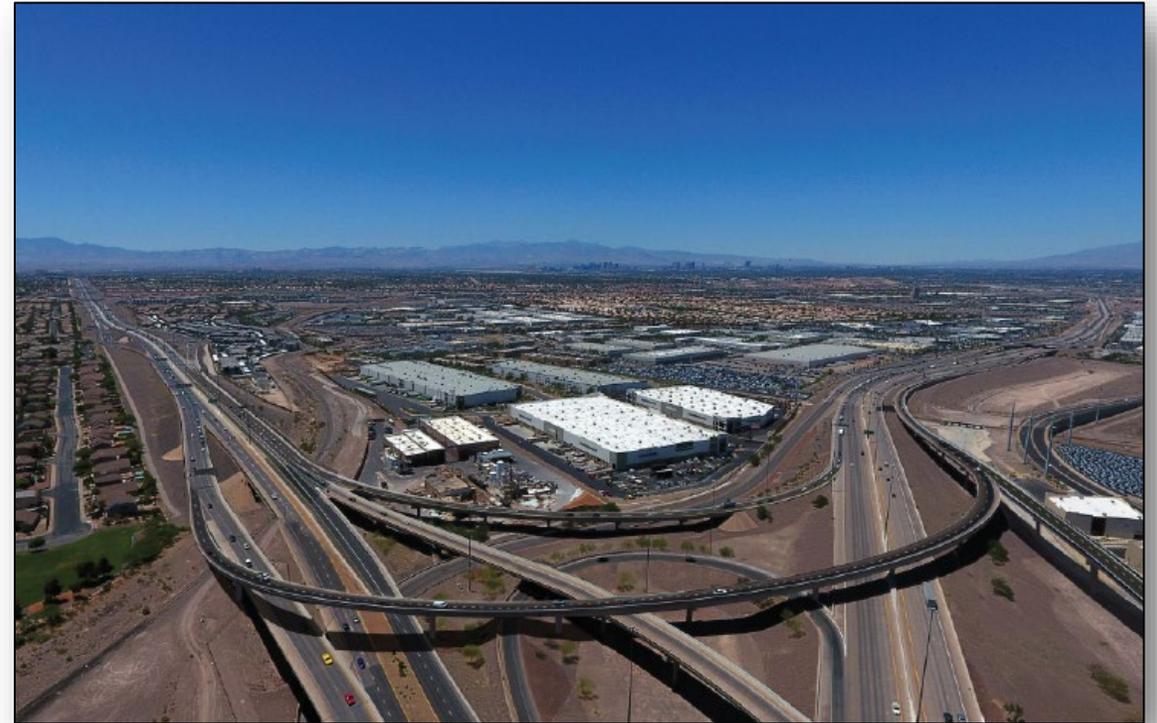
# WHY IS THE PROJECT NEEDED?

- Clark County population increase to more than 2.2 million = increased traffic demands
- Roadway deficiencies contribute to traffic backups and travel delay
- Restore local access and connectivity
- Crash rates exceed statewide averages



# WHAT IS THE PROJECT'S PURPOSE?

- Resolve existing roadway deficiencies in the Henderson Interchange and surrounding roadways
- Provide transportation improvements to serve existing and future growth areas
- Restore local traffic connectivity
- Accommodate regional and local plans



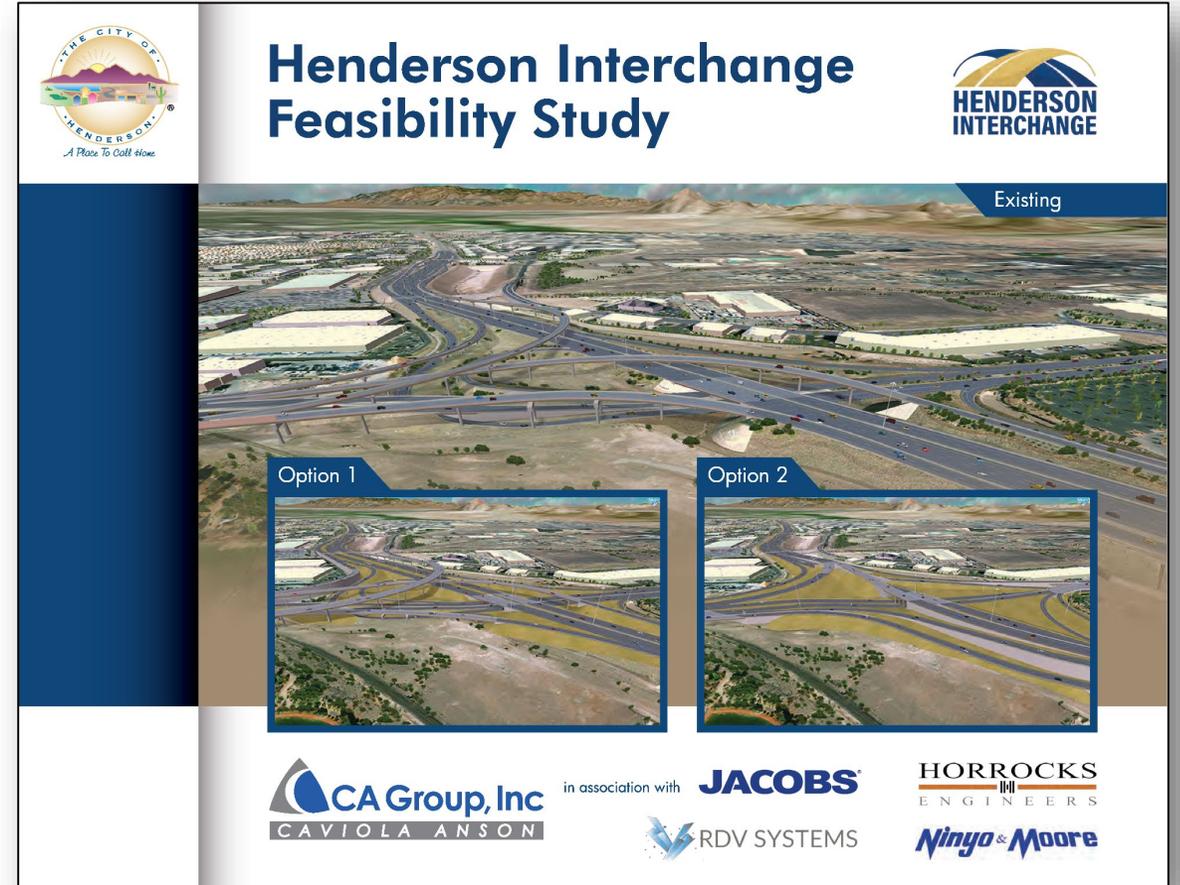
# WHAT IS NEPA?

- NEPA is the National Environmental Policy Act (1969), requiring federal agencies to assess the environmental effects of proposed actions before making decisions
- Using the NEPA process, agencies evaluate the environmental, social, and economic effects of proposed actions. Agencies also provide opportunities for public review and comment on those evaluations

- Access
- Air Quality
- Archaeology
- Environmental Justice
- Geology
- Hazardous Materials
- Historic Properties
- Land Use
- Traffic Noise
- Public Parks and Recreation Areas
- Safety
- Socioeconomic Considerations
- Visual Resources
- Water Quality and Hydrology
- Wildlife

## Feasibility Study

- Completed in February 2020
- Included 37 ideas, combined into 3 alternatives
- Resulted in 2 alternatives, Option 1 and Option 2, recommended for further study



## Option 1

- Existing interchange style retained
- Ramp and freeway reconstruction with additional lanes to accommodate 2040 traffic volumes



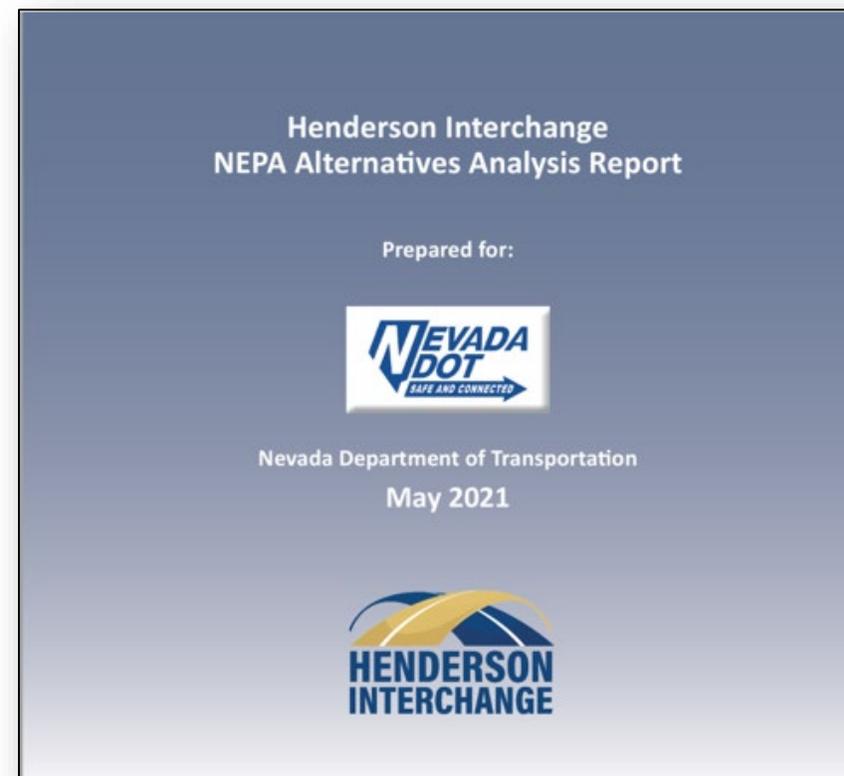
## Option 2

- Crossover style interchange with ramps and freeway widened to accommodate 2040 traffic volumes



## Value Analysis Study and Alternatives Analysis Report

- Value Analysis Study for both Feasibility Study options completed August 2020
- Alternative Analysis Report completed May 2021
- Identified improvements designated as Option 2A and Option 3



## Option 2A

- Modification of Option 2 crossover, where only the east-west roadways (I-215 and Lake Mead Parkway) cross over



## Option 3

- Existing “core” interchange retained, with a flyover median connector added between I-515 and I-215



## NEPA Alternatives Refinement – Weighted Scoring System

- Safety
- Traffic operations
- Performance
- Accessibility
- Capital cost
- Time to construct
- Environmental aspects
- Maintenance of traffic (phased construction)
- Additional general-purpose lane
- Operations & maintenance costs

OPTION 1	OPTION 2A	OPTION 3
Median Weighted Score <b>8.0/10</b>	Highest Weighted Score <b>9.1/10</b> Recommended as Single Build Alternative	Lowest Weighted Score <b>7.4/10</b>

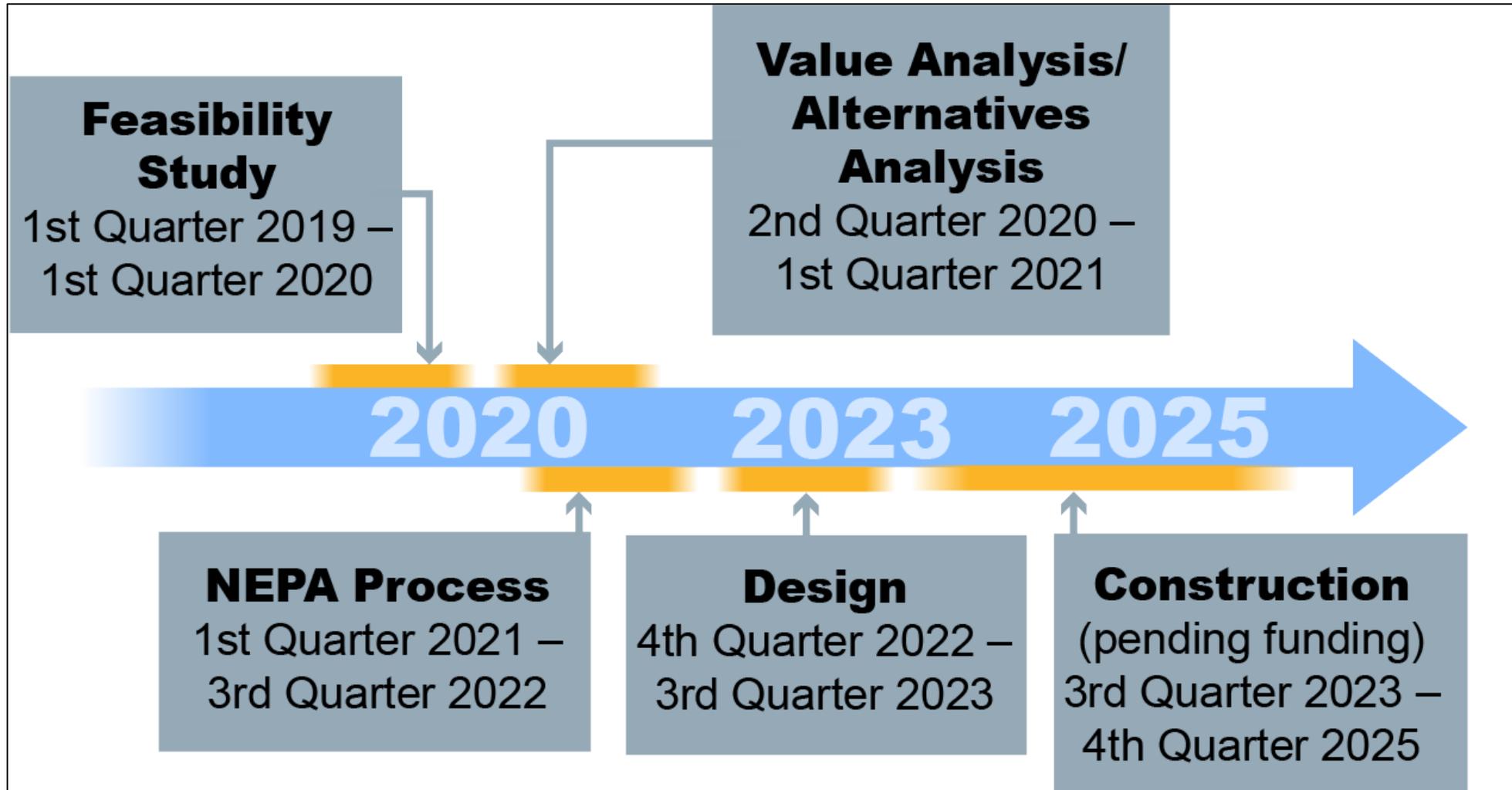
*RECOMMENDATION FOR ONE BUILD ALTERNATIVE TO EVALUATE IN THE NEPA PROCESS*

## Option 2A – Build Alternative

- Crossover style interchange where the east-west roadways (I-215 and Lake Mead Parkway) cross over
- Reconnection of travel from Lake Mead Parkway to Gibson Road
- Connection of travel between I-215 and Auto Show Drive
- Auxiliary lanes on I-11 between Horizon Drive and system interchange
- Arterial street improvements on Lake Mead Parkway



# WHAT IS THE TIMELINE?



# HOW DO I PROVIDE COMMENTS?

- Fill out a comment form included in your handout packet & place it in the comment box, or provide verbal comments tonight to the court reporter.
- Submit your comment form by mail:  
David Bowers, PE, NDOT Project Manager  
123 E. Washington Street, Las Vegas, NV 89101
- Send email to [henderson.interchange@dot.nv.gov](mailto:henderson.interchange@dot.nv.gov)

*Comments accepted until 5 p.m., August 5, 2021*

# HOW DO I STAY INVOLVED?

- Project website: <http://dot.nv.gov/hendersoninterchange>
  - Link to virtual public meeting (through August 5, 2021)
  - Project history, resource links, and contact information
  - Information for public hearing – towards project completion
- Project phone: (702) 582-9933 (leave a message)
- Project email: [henderson.interchange@dot.nv.gov](mailto:henderson.interchange@dot.nv.gov)



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