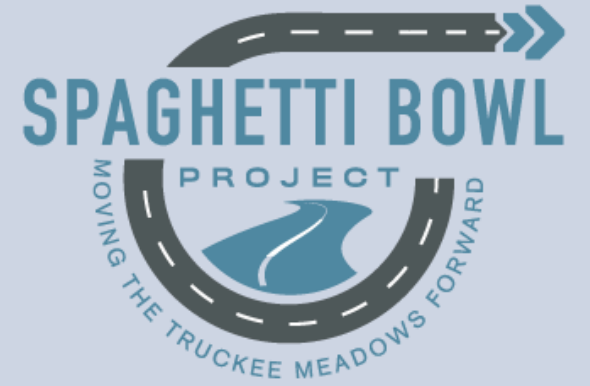


# SPAGHETTI BOWL



## SPARKS CITY COUNCIL MEETING

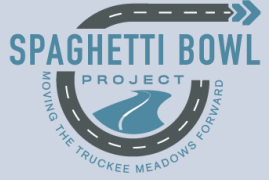
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Nick Johnson PE, PMP, CPM  
NDOT Senior Project Manager  
July 23, 2017

All Information is Preliminary and Subject to Revision

# PROJECT BACKGROUND



## Reno Spaghetti Bowl

- Spaghetti Bowl originally constructed between 1969 and 1971 for population of 130,000
- Population now about 420,000
- Washoe County has a forecasted growth rate exceeding state and national averages



## Reno/Sparks Traffic Study

- Analysis of current and future conditions
- Completed 2020, 2030, 2040 models



# PROJECT STUDY LIMITS



- I-80 Western Limits: Sierra/Virginia/Center St. Interchange
- I-80 Eastern Limits: Pyramid Highway Interchange



- I-580/US395 Northern Limits: N. McCarran/ Clear Acre Avenue Interchange
- I-580/US 395 Southern Limits: Moana Lane

# WHY DO WE NEED THIS PROJECT?



## Project Purpose:

- To accommodate the current and future travel demands, and improve safety.

## Project Needs:

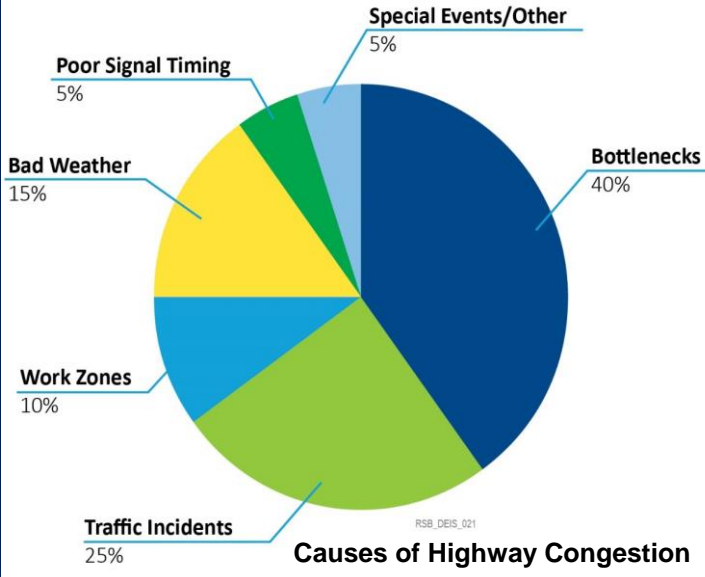
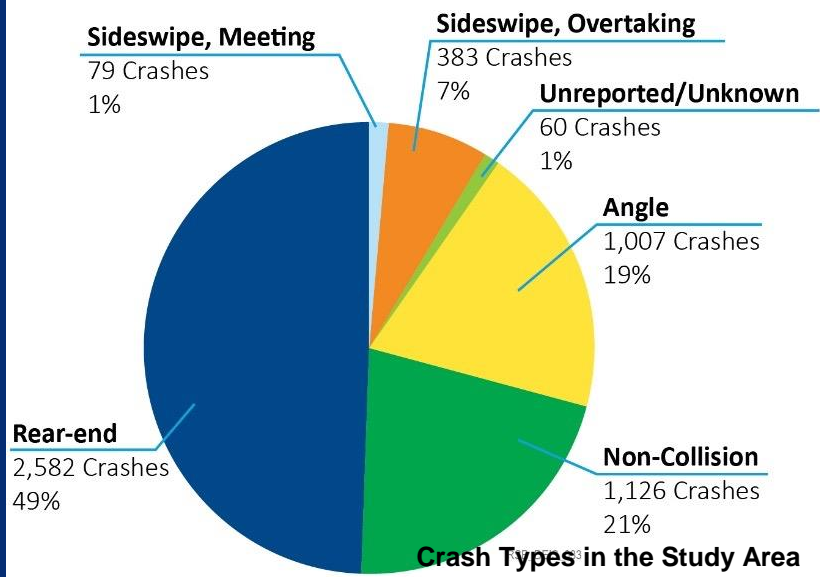
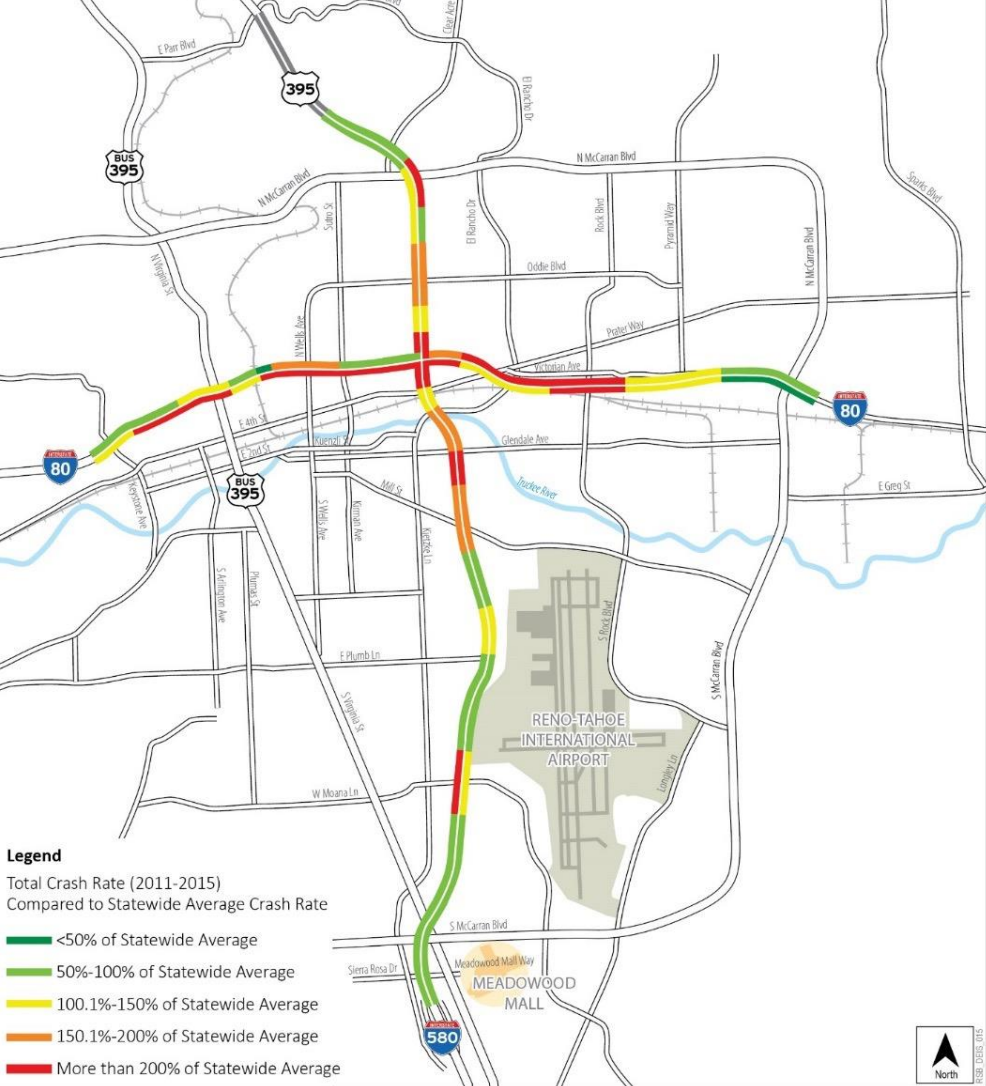
- Address high crash rates and improve safety
- Improve obsolete design and improve functionality of the interchange
- Reduce current and future congestion
- Accommodate current and future interchange capacity demands
- Develop a project that meets future regional transportation needs



# CONGESTION & CRASHES

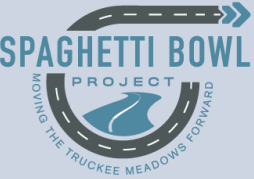


**Total Crash Rates Along the Freeways in the Study Area (2011 – 2015)**

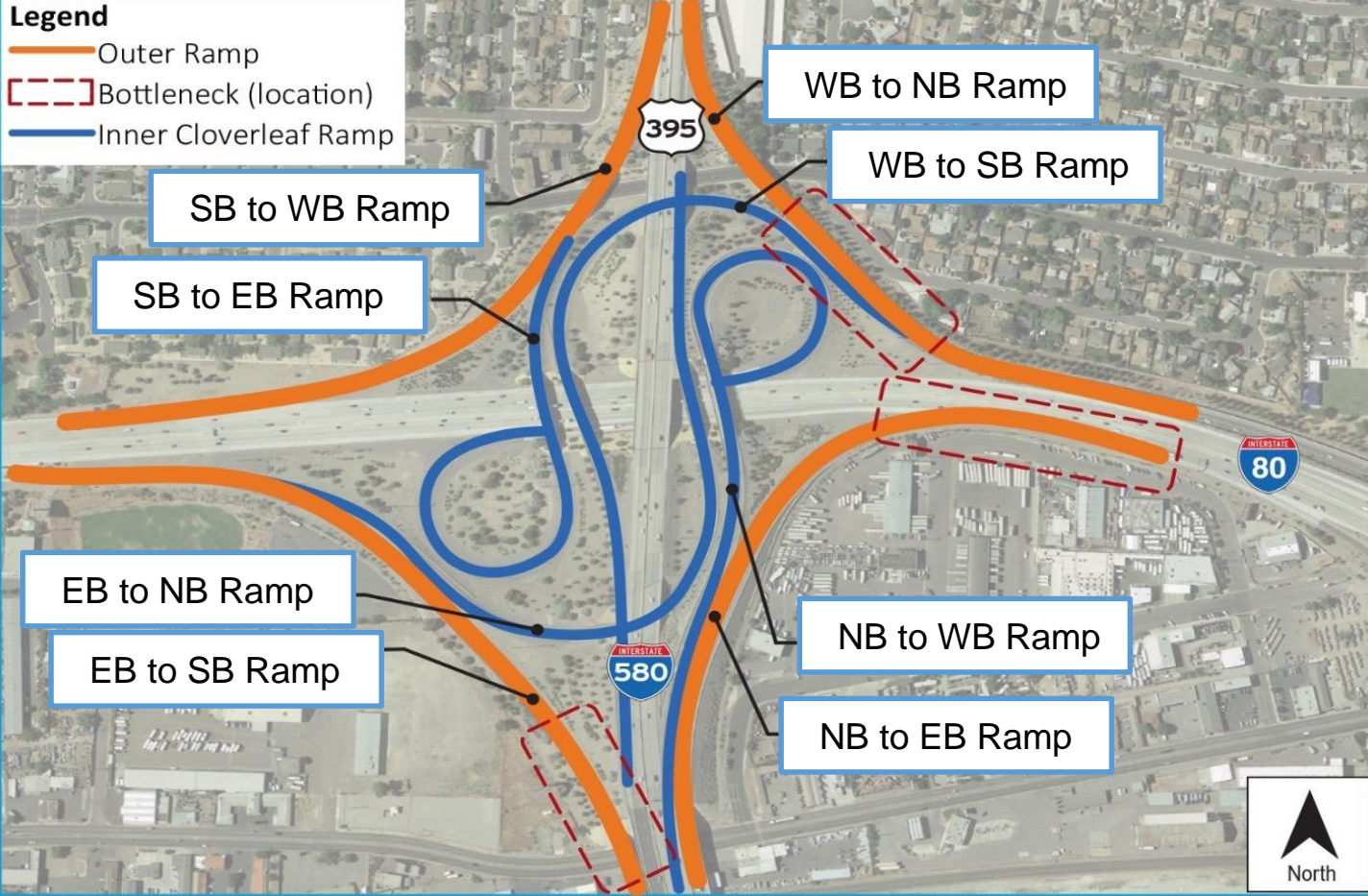


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# BOTTLENECKS & DESIGN DEFICIENCIES



## Existing Spaghetti Bowl

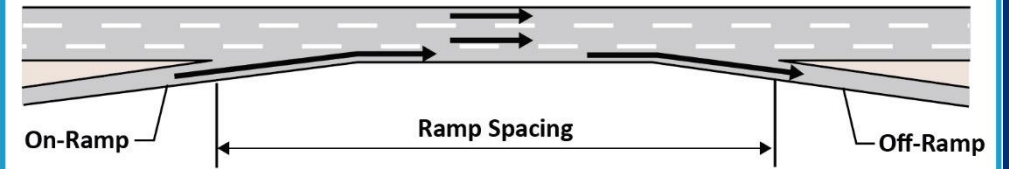


RSB\_DEIS\_004

## Interchange and Ramp Spacing



**Interchange Spacing:** The distance measured between the freeway cross streets.



**Ramp Spacing:** The distance between an on-ramp and the next off-ramp.

RSB\_DEIS\_003

# NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)



- NEPA is the law requiring federal agencies (FHWA) to assess the environmental effects of a proposed project prior to making decisions
- NEPA establishes a framework for environmental review and ensures public and agency participation in the process
- The NEPA process is intended to help agencies make decisions that consider environmental consequences and avoid, minimize, or mitigate environmental impact



# WHAT WILL THE EIS INCLUDE?

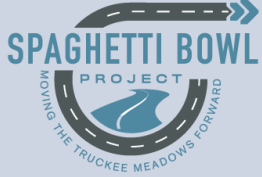


- Purpose and need for the project
- Range of alternatives; put forward one or more alternatives, including a No-Build alternative, for detailed study
- Existing environmental conditions
- Potential project impacts and how they can be avoided, minimized, or mitigated
- Public and agency involvement





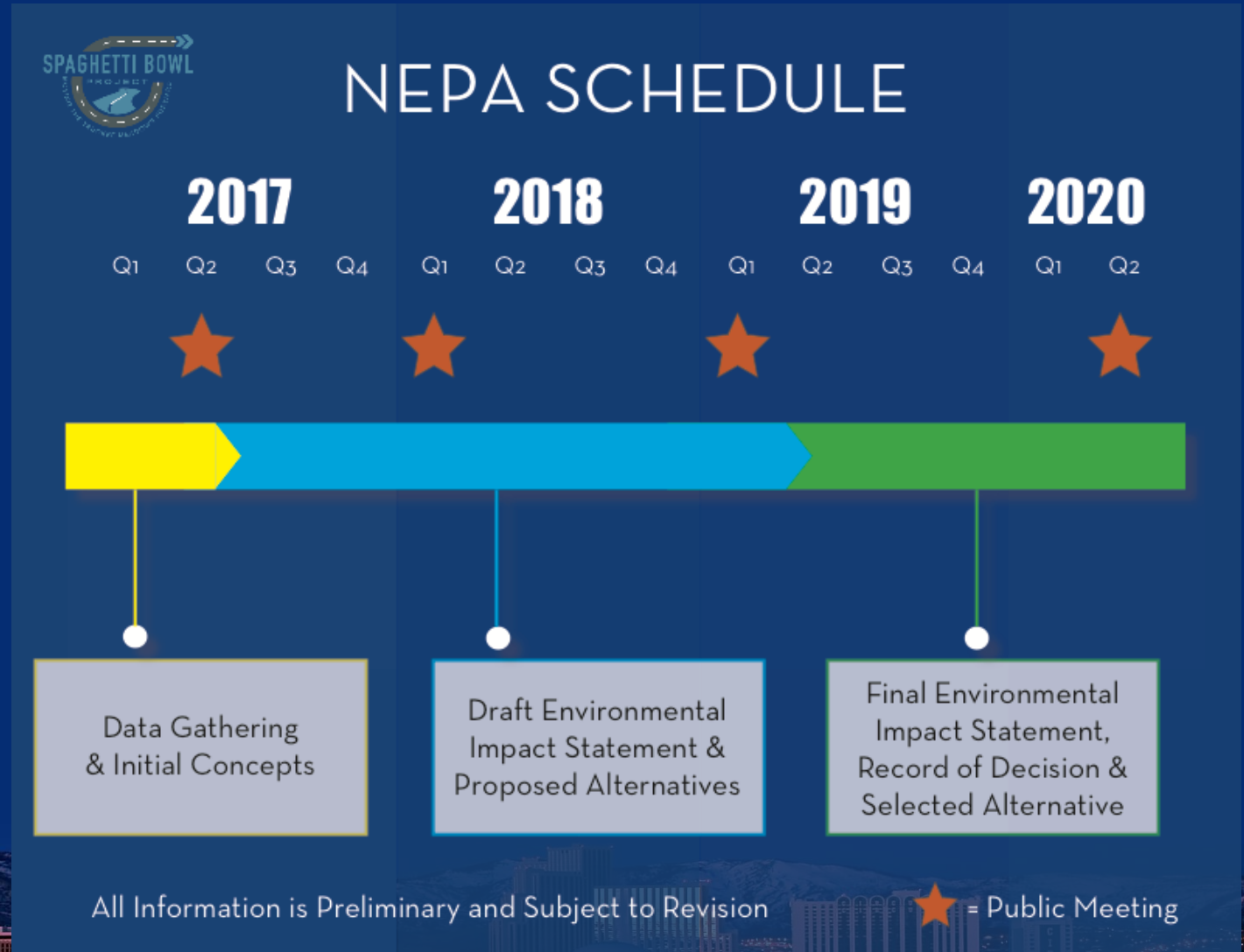
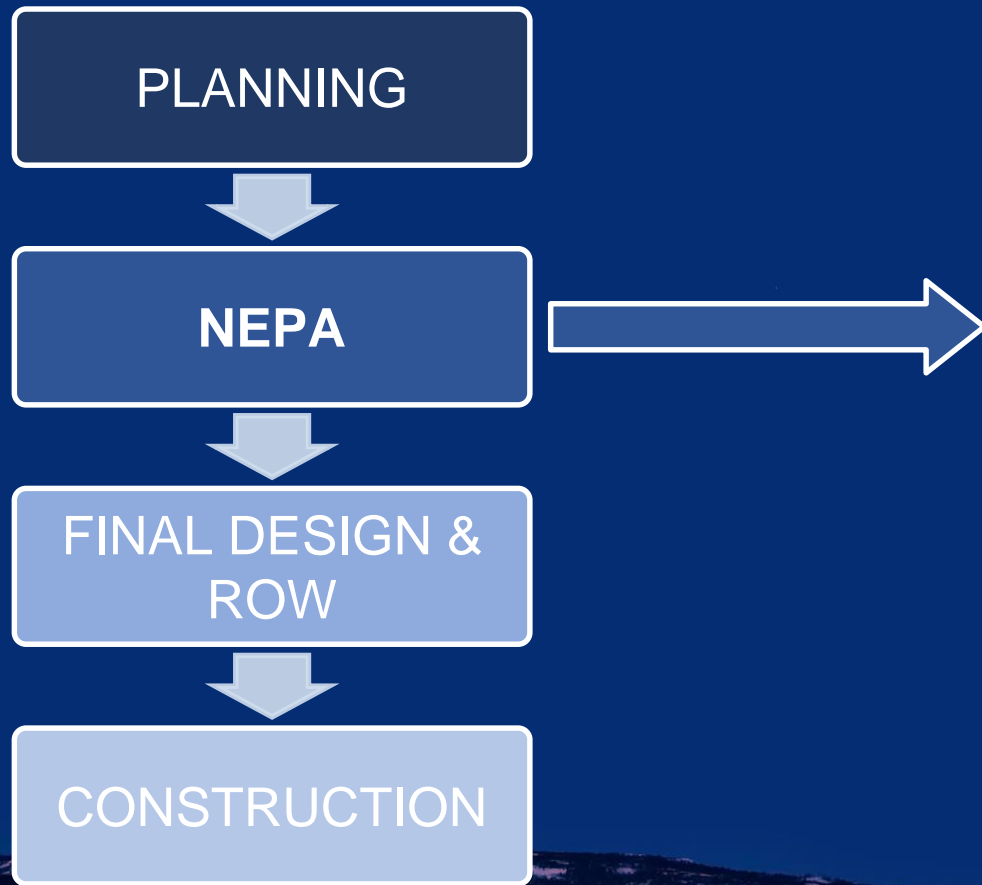
# NDOT/SPARKS COORDINATION GOALS



- Facilitate open and timely exchange of information between the project team and the City of Sparks about the project, its potential impacts, and appropriate mitigation.
- To resolve unavoidable negative effects this project may have on Sparks, and to maximize land ownership and socioeconomic benefits to Sparks.
- To achieve compliance with legally required steps under federal and state laws, orders, and regulations.
- To obtain Sparks concurrence with the preferred alternative.



# PROJECT TIMELINE



All Information is Preliminary and Subject to Revision



# COMMUNICATION/OUTREACH: LOOKING AHEAD

## Effective Outreach to the City of Sparks:

- Public meeting this September (date, location TBA)
- Sparks Citizen Advisory Committee meeting on October 12
- Ongoing updates to City Council members

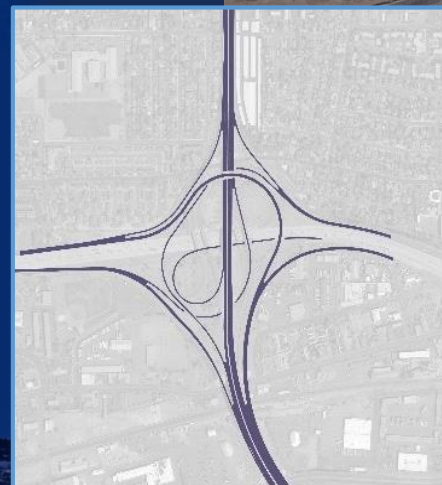
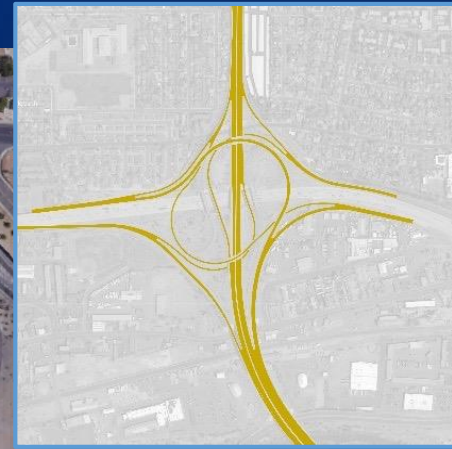
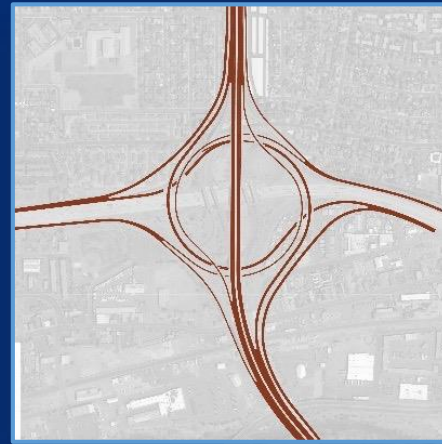
## Stakeholder Meetings:

- Meeting during summer/fall with 27 local stakeholders and employers such as The Nugget, Reno-Tahoe Airport, GSR, Walmart, Chamber of Commerce, REMSA, IGT, Nevada Air National Guard, Q&D Construction, Granite Construction, UNR, etc.

# SPAGHETTI BOWL: MOVING FORWARD



- Continued public & stakeholder outreach
- Initial concepts & alternatives development – Fall 2017
- Environmental studies and documentation
- Draft EIS – Mid 2018



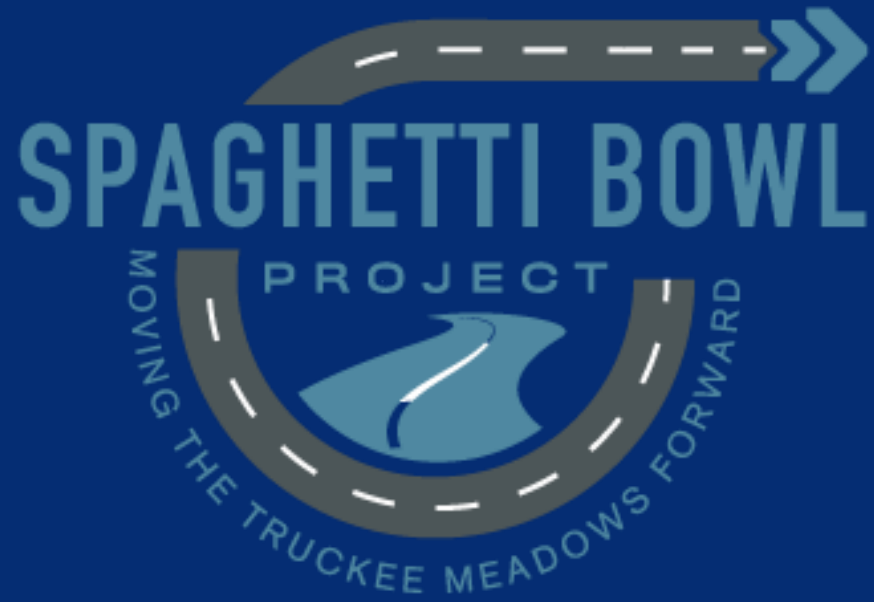
# MORE INFORMATION & CONTACT



[www.ndotspaghettibowl.com](http://www.ndotspaghettibowl.com)

- Project hotline: 775-622-5555
- Information email: [info@ndotspaghettibowl.com](mailto:info@ndotspaghettibowl.com)
- Senior Project Manager: Nick Johnson, P.E., NDOT  
(775) 888-7318 | [njohnson@dot.nv.gov](mailto:njohnson@dot.nv.gov)





QUESTIONS?

