



# Nevada Freight Advisory Committee

Tim Mueller, NDOT Freight Program Manager

November 2, 2021

# NEVADA FREIGHT ADVISORY COMMITTEE MEETING AGENDA

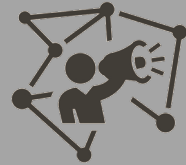
- Welcome and Introductions
- Role of Freight Advisory Committee
- Re-Designation of the Primary Highway Freight System (PHFS)
- Nevada State Freight Plan Update
- RTC of Southern Nevada Freight Plan Overview
- Open Discussion/Other Items



## ROLE OF FAC



Continuous feedback to NDOT regarding freight and goods movement



Primary conduit to provide stakeholder input into the Nevada State Freight Plan Update



Identify key freight issues and concerns



Review analysis and potential solutions



Provide recommendations on options and solutions

- FAST Act requires FHWA to update PHFS every 5 years
  - May increase PHFS mileage by 3% nation-wide (960 miles can be added)
- FHWA currently requesting comment on 3 proposed alternatives for PHFS changes
- Comments due December 15, 2021

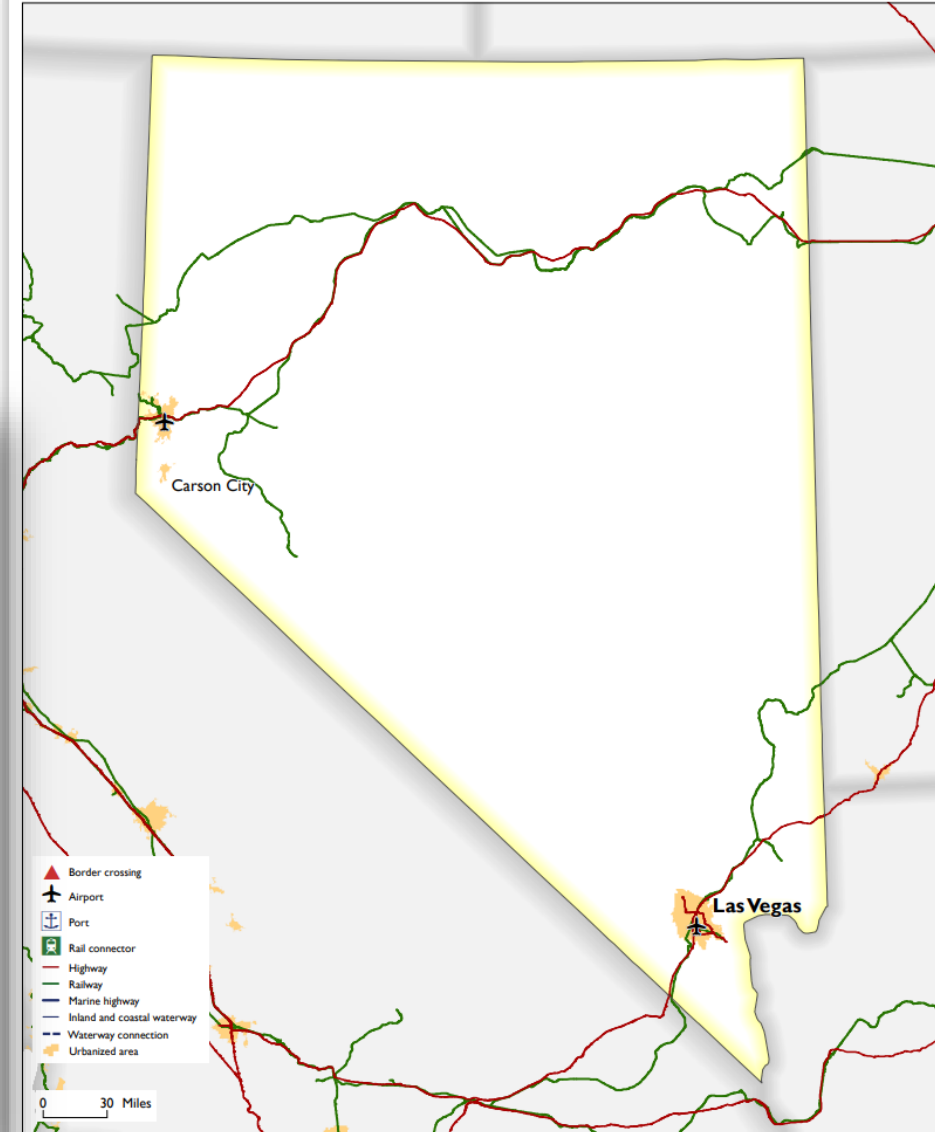
### PRIMARY HIGHWAY FREIGHT SYSTEM (PHFS) ROUTES

State	Route No	Start Point	End Point	Length (Miles)
NV	I15	CA/NV Line	NV/AZ Line	124.09
NV	I515	S215	U93	5.06
NV	I80	CA/NV Line	NV/UT Line	411.38
NV	I80 B	I80	I80	4.52
NV	S215	I15	I515	11.84
NV	U93	I515	U95	3.29
NV	U95	I15	4.49 Miles North of S573	12.61
<b>Subtotal</b>				<b>572.79</b>
<b>PHFS Total</b>				<b>572.79</b>

### INTERSTATE NOT ON THE PHFS

State	Route No	Start Point	End Point	Length (Miles)
NV	I515	S215	I15	14.61
<b>INTERSTATE NON-PHFS Total</b>				<b>14.61</b>

Nevada Interim Multimodal Freight Network



Note: For information on methodology used for feature selection in this map, please see U.S. Department of Transportation, Establishment of Interim National Multimodal Freight Network, Docket Number: DOT-OST-2016-0053.

OPTION

**1**

Equal allocation  
across all states (18  
miles each)

Provides 18  
additional miles of  
PFHS to NV

OPTION

**2**

Equal allocation  
among the 18 states  
with the most PFHS  
(53 miles each)

No new PFHS  
mileage added in NV

OPTION

**3**

Add a portion of  
Interstate Highways  
built since 2011 to  
PFHS

Potential to add new  
segments of I-11 to  
PFHS in NV

## OPTION



**1**

Equal allocation  
across all states (18  
miles each)

Provides 18  
additional miles of  
PFHS to NV

## OPTION

**2**

Equal allocation  
among the 18 states  
with the most miles  
(53 miles each)

No new PFHS  
mileage added in NV

### NDOT Team's Preliminary Recommendation:

- ❖ The best option for NDOT is probably **Option 1** because it guarantees each state additional mileage.
- ❖ **Option 3** would be the second-best option because NDOT has new Interstate on I-11 to add, but this option lacks certainty since it will compete with 1,500 other miles of new Interstate across the U.S.
- ❖ **Option 2** is the worst option since Nevada would not receive any additional mileage.

- Meet FAST Act requirements
- Support eligibility for federal funding
- Identify key freight infrastructure investments
- Reflect recent improvements
  - Completion of Project Neon
  - Initiation of Reno Spaghetti Bowl Xpress
  - Other key projects/actions



- Address changing needs
  - Diversification of economy to expand manufacturing, logistics and distribution sectors
  - Impacts of COVID-19
    - Increasing e-commerce and shipping needs
    - Impacts to supply chain
  - National focus moving freight out of CA ports
  - Focus on sustainability & climate action
    - Reducing GHG and emerging vehicle technologies
    - Supporting State climate goals
  - Others for discussion?



**VICTORY**  
LOGISTICS | DISTRICT





- Stakeholder Outreach
- Freight Supply Chain
  - Key location, infrastructure and trends
- Sustainable Freight Transportation
- Freight Performance Reporting and Needs Assessment
- Risk-Based Management
  - Scenario analysis to study supply chain impacts, vehicle mode and route, and truck parking plan implementation
- Freight Plan Strategies and Investment Plan



Nevada State Freight Plan  
Update – 2022

**Project Management Plan -  
FINAL**

NDOT Agreement: P128-21-802 (NTP 13, 2021)  
Parametrix Project No.: 434-5214-009

September 24, 2021

# NEVADA STATE FREIGHT PLAN UPDATE SCHEDULE

NDOT Project Schedule Nevada State Freight Plan Update - 2022																	
Task	Description	2021				2022											
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
1	Project Management																
2	Stakeholder Outreach																
3	Freight Supply Chains & Trends																
4	Sustainable Freight Transportation																
5	Freight Performance Reporting & Needs Assessment																
6	Risk-Based Management																
7	Freight Plan Strategies & Investment Plan																
8	Final Documentation/Transportation Board Adoption/FHWA Approval																

**LEGEND:**

- FAC Meeting
- State Transportation Board Meeting
- FHWA Review/Approval
- Draft Submittal
- Final Submittal



# NDOT Freight Advisory Committee Meeting



**RTIC**

Southern Nevada  
**Freight Plan Update**

*presented by*

Beth Xie, Regional Transportation Commission

November 2, 2021

# Southern Nevada Freight Plan: Purpose and Schedule

Develop transformational policies and infrastructure improvements needed to integrate Southern Nevada into global supply chains and strengthen our economy.



# Southern Nevada Freight Plan Update: Goals

## Enhance Safety

- Reduce truck involved crashes

## Preserve Infrastructure

- Improve bridge & pavement condition on freight corridors

## Optimize Mobility

- Improve truck travel time reliability on freight corridors

## Transform Economies

- Develop a freight system (infrastructure and policies) that supports economic development and diversification

## Foster Sustainability

- Move goods sustainably

## Connect Communities

- Provide economic opportunities, while reducing impacts, to equity focused communities

# Analysis of Freight Conditions and System Performance for Each Goal Area

- » Intermodal facilities – Rail intermodal facilities, airports, Pipeline, Rail yard,
- » Truck Volumes -
- » Enhance Safety-Truck Involved Crash Analysis based on EPDO
- » Infrastructure Conditions –Bridges and pavement in poor condition –HPMS data
- » System Performance—INRIX Travel time data, congestion
- » Transform Economy—Freight related employment, Industrial Space, Warehouse distribution
- » Connect Communities -Population growth and equity analysis

# Analysis of Freight Trend Use FAF5 data and Other Trends

- » Mode Share, Freight Movement Directions
- » Top Commodities
- » Top Trade Partners
- » Top OD Pairs for Pass Through Freight Flows.
- » Workforce challenges – Conducted a Supply Chain Interview
- » Environmental Trends
- » Technological Trends
- » Truck Parking and Marshalling Yard

# SWOT Analysis

## Strengths

- Proximity to the largest economy in the US (California)
- Favorable tax and regulatory environment

## Weaknesses

- Shipping imbalance
- Lack of trained workforce

## Opportunities

- Continued growth
- Implement best practices

## Threats

- Limited land and water resources
- Industrial land use encroachment



# Future scenario planning - (4-hour workshop) Identified strategies and future scenarios - strategies that will perform well under any plausible future condition

## Combined Strategies - Group 1 and 2



- Highway Improvements
- Open Up Developable Land
- Truck Parking
- Smart Logistics Center

- Convention Marshalling Yard
- Water Infrastructure Improvements
- Transit Access
- Zero Emissions Fuel Strategies

# Next Steps

- » Land Use and Economic Development Subcommittee meeting –Mid Nov, 2021
  - Provide guidance on the development of land-use strategies for improving freight mobility
  - Assess potential economic impact of those strategies
- » Refine and define strategies with input from Land Use and Economic Development Subcommittee
- » Prioritize Strategies with FAC Input

Goal Weighting and evaluation Criteria

>> **Final Report –May 2022**

- Discussion among FAC members
- Next Steps
  - Technical analysis
  - Next FAC meeting February 1, 2022





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