

## **NDOT TSMO Steering Committee Meeting**

February 2021

# Agenda

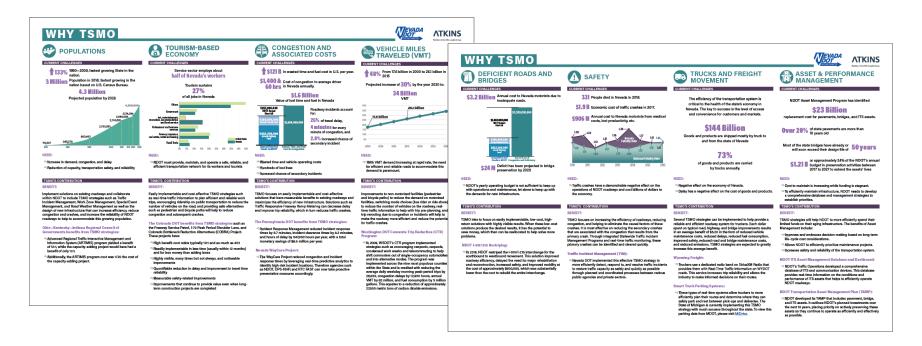
- NDOT TSMO Business Case for Divisions
- NDOT TSMO Website
- 2021 NOCoE TSMO Awards







#### **NDOT Business Case Reminder**



## Let's test our knowledge!

https://create.kahoot.it/kahoots/my-kahoots







#### **New Business Case Alert!**

#### NDOT TSMO Business Case for Divisions









### NDOT TSMO Business Case for Divisions - Categories

Planning

Design

Construction

Traffic Safety

Environmental

Human Resources

Maintenance and Asset Management

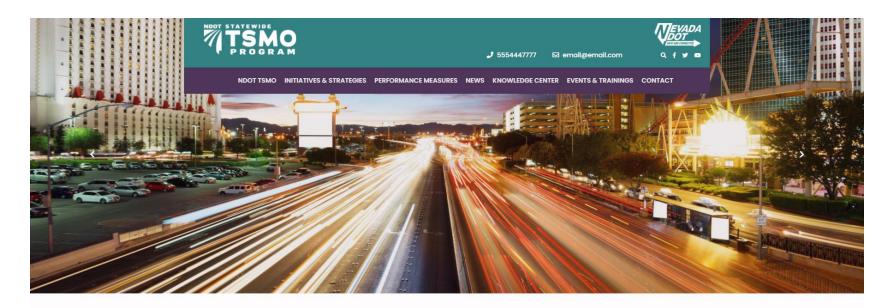
Freight Planning







#### **NDOT TSMO Website**



#### Welcome!

This website was developed by NDOT as a resource for the agency's TSMO Program. TSMO strategies support NDOT's mission to "Provide, operate, and preserve a transportation system that enhances safety, quality of life, and economic development through innovation, environmental stewardship, and a dedicated workforce."

Strategies offered by TSMO are used to proactively address transportation challenges (such as recurring and/or non-recurring congestion, safety, mobility, and reliability). This performance-driven program focuses on the surface transportation system and the policies, business processes, technologies, infrastructure, and systems that are applied to manage and operate this system more efficiently.

#### www.nvtsmo.com



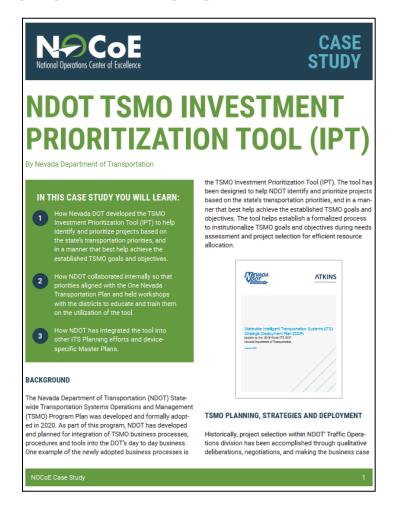




#### 2021 NOCoE TSMO Award Winners













#### 2021 NOCoE TSMO Award Winners

#### THE INVESTMENT PRIORITIZATION TOOL FOCUSES ON PRIORITIZING PROJECTS ACCORDING TO THE FOLLOWING CATEGORIES:

- •Alignment with the Statewide TSMO Strategic Goals and Objectives.
- •Initial cost of the project/technology purchase and/or deployment.
- ·Districts' Priority.
- •Level of risks and degree of impact of a specific project/technology.

Strategic Goals	Strategic Objectives							
Enhance Safety	Reduce incidents, injuries, and fatalities.							
Preserve Infrastructure	Maintain transportation assets to preserve investments.							
Optimize Mobility	Maximize system efficiency by reducing congestion and/or promoting multimodal transportation.							
Foster Sustainability	Develop a sustainable transportation system through sustainable and balanced design, operations, and maintenance.							
Enhance Reliability	Improve economic competitiveness and enhance quality of life through reliable travel times.							
Optimize Customer Service	Provide timely and accurate travel information to internal and external customers to enable informed decision- making.							
Enhance Collaboration	Maximize coordination and cooperation between NDOT divisions and partnering agencies to proactively manage and operate an integrated transportation system.							

#### THE INVESTMENT PRIORITIZATION TOOL FOCUSES ON PRIORITIZING PROJECTS ACCORDING TO THE FOLLOWING CATEGORIES:

- ·Benefit/Cost Ratio.
- •Strategic Value or High Demand for certain technology.
- •Communication Infrastructure Needs in coordination with the IT Group.

Technology	Benefit/Cost ratio
Dynamic message signs	3.81
Closed-circuit television	3.95
Microwave vehicle detection systems	1.02
Freeway courtesy patrol	3.82
Tolling/Express Lanes	2.50*
Ramp Metering	9.00*
Adaptive Traffic Signal Control	12.25*
RWIS	6.00*
Animal Crossing	1.50
DMS & CCTV	3.88
DMS & CCTV & RWIS	4.59
CCTV & RWIS	4.98
'Averaged value	



NDOT coordinated with the Planning division when developing the tool to ensure that the criteria established for the IPT and definitions are aligned with the One Nevada Transportation Plan.

Once the tool was established, NDOT held workshops with the districts to educate and train them on the utilization of the tool and explained the incorporation process of the tool into everyday business.



The IPT has now been formally adopted by NDOT Traffic Operations division.

The division utilizes this tool to prioritize projects listed within the Statewide

ITS Strategic Deployment Plan (SDP) every other year.

NDOT's next step with this effort is to integrate TSMO Performance Measures into the tool for a more performance driven decision-making process. Formal adoption and integration of this tool has greatly helped NDOT in TSMO Culture and Collaboration improvements at a statewide level.







## NDOT IPT

					Project Prioritization Criteria												
Project Information				Alignment with TSMO Strategic Goals and Objectives													TSM0 Score
SDP P#	Project/Services/ Activities	Project Location	PCEMS No.	Enhance Safety	Optimize Mobility	Enhance Reliability	Preserve Infrastructure	Foster Sustainability	Optimize Customer Service	Enhance Collaboration	Cost	Implementation	Dependencies, Business Risks, and Limitations	Risk Severity	Benefit/Cost Ratio	Strategic Value	(DO NOT FILL IN) The higher the score, the higher return on investment. (Max 17)
D3-31	CCTV PTZ & RWIS	US 6, west D16:F16 of Ely	TBD	1	0	1	1	0	1	1	4	3	Coordination with NWS	-1	1	0	12
D3-28	CCTV PTZ and RWIS and Weather (Signage) Chain Control	US 6, east of US 6/ SR 379 intersection	TBD	1	0	1	1	1	1	1	4	2	Comms to site required, Coordination with NWS	-1	1	0	12
D3-19-10	RGB Full matrix Sign mounted DMS	SR 227 & MP5	TBD	1	0	1	0	0	1	1	4	3		0	0	0	11
D3-10	DMS Type 2 (US 50 EB/WB), CCTV PTZ	US 50/SR 305 intersection	TBD	1	0	1	0	0	1	1	4	3		0	0	0	11
D3-9	DMS Type 2 (US 50 EB/WB), Weather (Signage) Chain Control Station and CCTV PTZ	US 50/SR 278 intersection	8-00251	1	0	1	0	1	1	1	3	3	Coordination with NWS	-1	0	0	10
D3-50	RWIS and CCTV PTZ	SR 318, South of Junction US 6	TBD	1	0	1	1	0	1	1	4	2	Coordination with NWS	-1	0	0	10
D3-40	CCTV PTZ	US 50/SR 376 intersection	TBD	1	0	1	0	0	1	1	4	1		0	0	0	9
D3-24	DMS Type 2 (US 93 NB), RWIS, CCTV PTZ	US 93,Ely @ McGill	8-00251	1	0	1	0	1	1	1	3	1	Comms to site required, Coordination with NWS	-1	1	0	9
D3-33	DMS Type 2 (US 93 SB) & CCTV	US 93, near Warm Springs - US 93S SR229 Ruby Intersection	TBD	1	0	1	0	0	1	1	4	1		-1	0	0	8







# Ongoing Tasks

- TSMO Staffing and Workforce Development Plan
- TSMO Performance Management Program
- TSMO Website







# Next Meeting May 2021







