NDOT STATEWIDE TSMO PROGRAM

Welcome to Transportation Systems Management and Operations Training

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Transportation Systems Management and Operations Training

TSMO Investment Prioritization Tool (IPT) and TSMO Evaluation Tool

TSMO Training Module 203

ATKINS

Member of the SNC-Lavalin Group

BEGIN »

In this training, you will learn:

- TSMO Investment Prioritization Tool and integration process
- TSMO Evaluation Tool and integration process

Module 203

Transportation Systems Management and Operations

- Section 01 / **TSMO IPT**
- Section 02 / **TSMO Evaluation Tool**
- Section 03 / **Final Assessment**

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Section 01

TSMO IPT

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TSMO Investment Prioritization Tool (IPT)

- Developed as a part of the TSMO Program Plan's Programmatic Elements.
- Uses a data-driven approach to evaluate and prioritize projects based on a specific set of qualitative and quantitative criteria.
- Currently used to prioritize projects as part of the ITS SDP, and ITS & ATM Master Plan.

Goal: To prioritize projects efficiently, allocate resources, and ensure alignment of the Traffic Operations division's efforts with the TSMO Vision, Mission, and Goals and Objectives.

NDOT IPT –
User Interface

INTRODUCTION

This tool uses a data-driven approach to evaluate and prioritize projects based on a specific set of qualitative and quantitative criteria, with multiple parameters utilized to estimate the quantitative criteria. The tool aims to ensure alignment of NDOT planning and operational efforts with the TSMO Vision, Mission, and Goals and Objectives.

PRIORITIZATION CRITERIA

TSMO Strategic Goals and Objectives	Other Criteria
Enhance Safety	Cost
Preserve Infrastructure	District Priority
Optimize Mobility	Dependencies, Business risks, and limitations
Enhance Reliability	Risk Severity
Optimize Customer Service	Strategic value
Foster Sustainability	
Strengthen TSMO Integration	
Enhance Collaboration	

GENERAL INSTRUCTIONS

Begin the evaluation in the "Unconstrained" tab.

In the "Unconstrained" tab, you may add rows to insert additional projects by clicking on this button: Insert Row at Selection

You may also remove unnecessary rows by clicking on this button: Delete Selected Rows

Once all projects information and evaluation are completed, you may sort the projects by Descending TSMO Score by clicking on this button: Sort by TSMO Score Descending

You can also sort the projects by Ascending TSMO Score by clicking on this button: Sort by TSMO Score Ascending

Columns in white require user input. Blue and Grey columns are automatically calculated.

To complete project evaluation(s) using this tool, the following steps should be undertaken:

Step 1 - Begin by filling out the project information in the "Unconstrained" tab (***Columns B to G***). Note that PCEMS No. (***Column G***) may not be applicable for all projects. At a minimum the following project information must be filled:

- Project No. (***Column B***)
- Year (***Column D***)
- Project/Services/Activities (***Column E***)
- Project Location (***Column F***)

Step 2 - Continue with the project evaluation(s) by completing ***Column I*** *to* ***Column BV*** *as per the instructions.*

COVER | Notes and Instructions | Unconstrained | Weights | References

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NDOT IPT –
Project Information

Delete Selected Rows | Insert Row at Selection | Sort by TSMO Score Ascending | Sort by TSMO Score Descending

Project No.	District	Year	Project/Services/Activities	Project Location	PCEMS No.
D1-75	District 1	2018	Chain Control and CCTV PTZ	SR 375, west of Tempiute	TBD
D1-74	District 1	2018	DMS Type 2	SR 373 near CA State Line	TBD

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NDOT IPT –
TSMO Strategic Goals and Objectives

ENHANCE SAFETY			
Crash Reduction Potential			
Crash Rate Index **(0-1 Points)**	EPDO Index	Safety Improvement Score **(0-3 Points)**	**ENHANCE SAFETY TOTAL**

PRESERVE INFRASTRUCTURE		
ITS Asset Improvement	Resilience	
Preservation of ITS Asset Base **(0-4 Points)**	Lifecycle Resources Required to Maintain Project in Future **(0-2 Points)**	**PRESERVE INFRASTRUCTURE TOTAL**

OPTIMIZE MOBILITY				
Travel Time Improvements		Project Connectivity	MultiModal Access	
Avg. Travel Time within 1 mile	Improves Travel Time within 1 mile of the project **(0-2 Points)**	Connections **(-1 to 2 Points)**	Pedestrian, Bike, or Transit Facility Improvements **(0-3 Points)**	**OPTIMIZE MOBILITY TOTAL**

ENHANCE RELIABILITY				
Travel Time Reliability		Business Accesiblity		
Planning Time Index	Potential Reliability Improvement Score **(0-2 Points)**	Total employment with in 1 mile of project area	Total Truck Movements (AADTT)	**ENHANCE RELIABILITY TOTAL**

OPTIMIZE CUSTOMER SERVICE			
Economic Development Potential	Access to Community Destinations	Equity Area	
Project Location **(0-1 Points)**	Score of Total number of Community Facilities within 5 miles of project **(0-1 Points)**	Improvements to Fiber Network **(0-1 Points)**	**OPTIMIZE CUSTOMER SERVICE TOTAL**

FOSTER SUSTAINABILITY						
GHG Emission Reduction		Other Environmental Enhancements		Reduce Future Maintenance		
Extent project contributes to reducing congestion, encouraging electrification, and diverting away from single occupant vehicles **(0-2 Points)**	**GHG Emission Reduction Weighted Average**	Other Environmental Enhancements **(-1 to 2 Points)**	**Other Environmental Enhancements Weighted Average**	Reduce Future Maintenance **(-1 to 1 Points)**	**Reduce Future Maintenance Weighted Average**	**FOSTER SUSTAINABILITY TOTAL**

STREGTHEN TSMO INTEGRATION		
Reduce Environmental Risk		
Sustainable and Balanced Design, Operations, and Maintenance **(0-5 Points)**	**Reduce Environmental Risk Weighted Average**	**STRENGTHEN TSMO INTEGRATION TOTAL**

ENHANCE COLLABORATION		
Enhance Collaboration		
Maximize coordination and collaboration between NDOT divisions and partnering agencies **(0-1 Points)**	**Enhance Collaboration Weighted Average**	**ENHANCE COLLABORATION TOTAL**

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NDOT IPT –
Quantitative Criteria

Crash Reduction Potential					
Crash Rate Index	EPDO Index	Safety Improvement Score (0-3 Points)	Measure: Crash Reduction Potential	Crash Reduction Potential Weighted Average	ENHANCE SAFETY TOTAL

ENHANCE RELIABILITY				
Travel Time Reliability		Business Accesiblity		
Planning Time Index	Potential Reliability Improvement Score (0-2 Points)	Total employment with in 1 mile of project area	Total Truck Movements (AADTT)	ENHANCE RELIABILITY TOTAL

- The **crash reduction potential** evaluates the impact of the project on reducing the number and severity of crashes or accidents in a particular area or transportation network.
- It was developed to mirror NDOT Safety Division's Network Screening Corridor approach
- The measure is evaluated using NDOT GIS 5-Year Crash Data

- **Travel time reliability** measures the consistency and predictability of travel times taking account factors such as congestion, incidents, and weather conditions that can impact travel time.
- This measure utilizes NDOT's INRIX tool to estimate the *Planning Time Index.*
- **Business accessibility** evaluates the ease with which businesses and employment opportunities can be accessed via a particular transportation network.
- This measure utilizes NDOT's TDM to extract employment data.

NDOT IPT –
Other Criteria

Cost	District Priority	Dependencies, Business Risks, and Limitations	Risk Severity	Benefit/Cost Ratio	Strategic Value
$0 - $499,999= **4 Points** $500,000 -$999,999 = **3 Points** $1 M - $2.99 M = **2 Points** $3 M - $5 M = **1 Point** > $5 M = **0 Points**	High = **3 Points** Medium = **2 Points** Low = **1 Point**	**What is the level of risks and degree of impact?** Examples: legal compliance, operational, stakeholders/public involvement, timing, data sources, technology, etc.	High = -2 Point Moderate = -1 Points Low = 0 Points Based on Dep	Low (0-4)= **0 Points** Mid (5-8)= **1 Point** High (9-12)= **2 Points**	Is there a high demand or need for the implementation of this project or will this project improve upon an existing project?? **(0-1 Points)**

NDOT IPT –
TSMO Score

Delete Selected Rows | Insert Row at Selection | Sort by TSMO Score Ascending | Sort by TSMO Score Descending

SDP P#	District	Year	Project/Services /Activities	Project Location	PCEMS No.	TSMO Score (DO NOT FILL IN) The higher the score, the higher return on investment.	Comments: Are there other factor that need to be taken in consideration?	Comments: Communication Infrastructure Needs
D1-75	District 1	2018	Chain Control and CCTV PTZ	SR 375, west of Tempiute	TBD	265.5		
D1-74	District 1	2018	DMS Type 2	SR 373 near CA State Line	TBD	54.1		
D1-72	District 1	2018	RWIS and CCTV PTZ	SR 266 near Lida	TBD	15.35		
D1-70	District 1	2018	RWIS and CCTV PTZ	SR 265, north of Silver Peak	TBD	75		

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Section 02

TSMO Evaluation Tool

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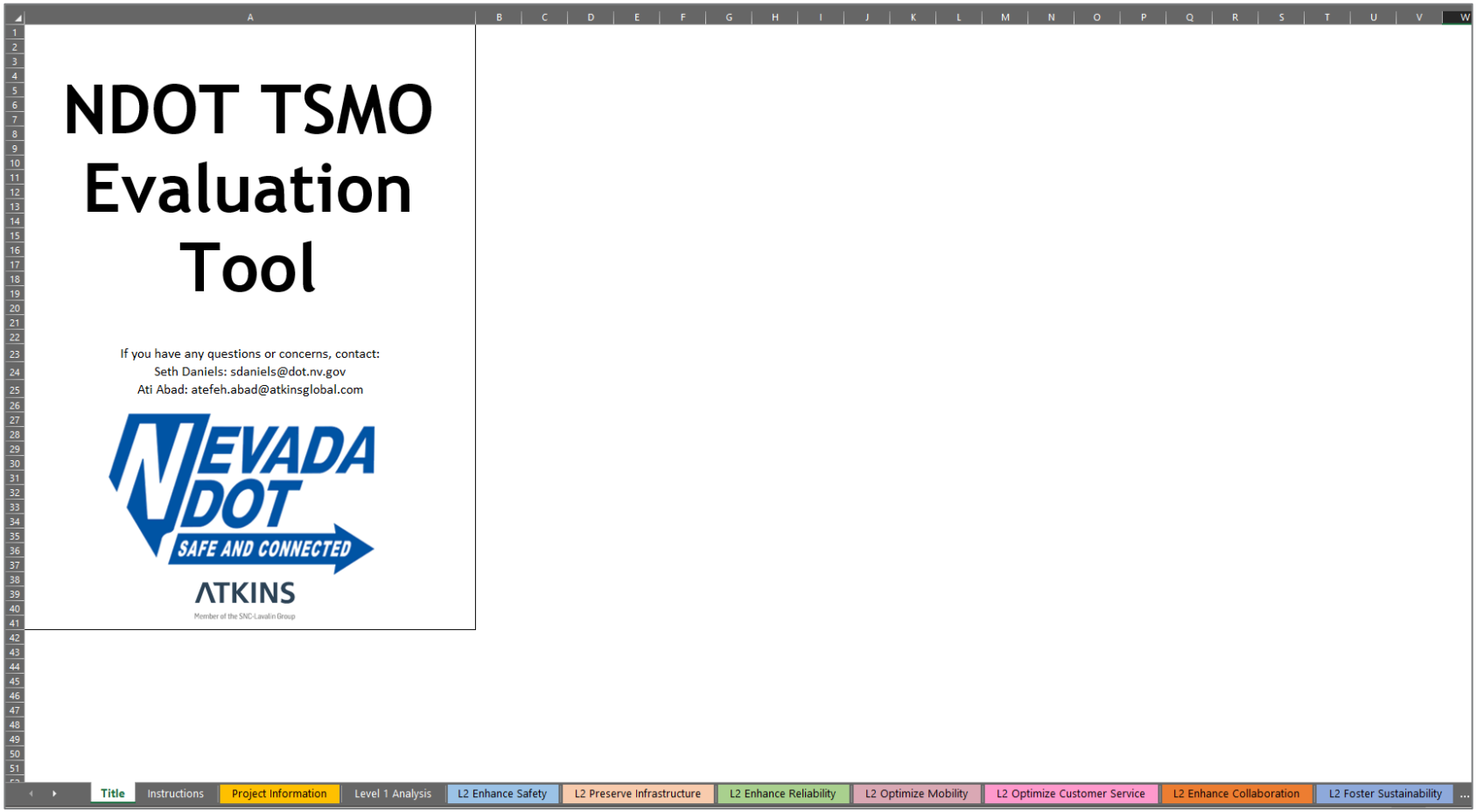
Projects will be evaluated at the scoping stage to identify opportunities to integrate TSMO strategies in a formalized manner.



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NDOT TSMO Evaluation Tool Instructions

Initializing TSMO Evaluation Tool:

Step 1: Begin by filling out the Project Information Tab.

Step 2: Fill out the Level 1 Analysis tab. If you answered "Yes" to any of the questions on the Level 1 Analysis tab, proceed by filling out the relevant L2 Analysis tab(s).

If you answered "No" to all the questions on the Level 1 Analysis tab, proceed by completing the TSMO Waiver Form. Instructions for this task are presented below.

Step 3: All representatives are required to update the Suggestions tab. Instructions for this task are presented below.

Level 1 Analysis Instructions

- To complete the Level 1 Analysis, start by filling out your name and the date under "Name of representative filling out this form" and "Form start date."
- Answer each question by marking "Yes" or "No."
- Prior to completing the Level 1 Analysis, the following documentation should be obtained and reviewed to appropriately answer each question:

1- The last three years of crash data within the project area
2- Current NDOT design standards
3- As-built plans, field reconnaissance data, asset management database information within the project area
4- Documented and validated operational concerns (internal to NDOT or received from the traveling public) within the project area
5- List of relevant ITS SDP and ITS&ATM Master Plan projects
6- List of TSMO strategic goals and objectives
7- List of TSMO CMM dimensions

- If you answered "Yes" to any of the questions on the Level 1 Analysis tab, proceed by completing the Level 2 Analysis for the relevant goal tab(s).
- If you have comments on the questions, add that information under the "Comments" column (Column B).
- Add your suggestions under the "Suggestions" column (Column K).
- The Level 1 Analysis should be completed before or by the project scoping meeting.
- Revise the Analysis status on the top right of each tab to the appropriate status.

Level 2 Analysis Instructions

- To complete the Level 2 Analysis, start by filling out your name and the date under "Name of representative filling out this form" and "Form start date."
- Answer each question by marking "Yes," "No," "TBD," or "NA."
- If you have comments on the questions, add that information under the "Comments" column (Column F).
- For the questions with no predetermined suggestions, add your suggestions under the "Suggestions" column (Column G).
- Wherever you see a button that looks like this: [+]

you can click on it to add rows to include additional information for that question. If you add too many rows, click this button: [-]
to remove unnecessary rows.

- The Level 2 Analysis should be completed before or by the project scoping meeting.
- Revise the Analysis status on the top right of each tab to the appropriate status.

Note that 'Location', 'Comments', and/or 'Suggestions' may not be applicable to all questions.

Suggestions Tab Instructions

- Any text in the "Comments" and "Suggestions" columns on Level 2 Analysis tabs will be pulled into this tab after you click on "Insert all Suggestions"

A PDF version of the comments and suggestions summary can be generated by clicking on the "Print Tab" button.

- If you need to start over, click the "Click here to clear" button.

Final Report Instructions

- To create the final report by printing the yellow tabbed sheets: "Project Information" and "Suggestions."

TSMO Waiver Form Instructions

- If you answered "No" to all the questions on the Level 1 Analysis tab, proceed by filling out the TSMO Waiver Form. To create the final report, use the "Print" button on the TSMO Waiver Form tab to document the responses and attach a copy of the results of the Level 1 Analysis.

NDOT TSMO Evaluation Tool – Project Information

Transportation Systems Management & Operations
Evaluation Request Form

Request Date:
District:
Project Manager:
Email Address:
Phone:
Project Description:
Project Type:
Expected Scoping Date:
Project Area:
Begin MP:
Ending MP:
District Representative:
TSMO/TCT Representative:
Provide project scope and any necessary notes:
Primary funding sources/provider codes:
Participating (federal) funds:
Description of existing assets and ITS devices:
New/replace assets and ITS devices:
Description of new assets and ITS devices:

TSMO Evaluation Status Summary	
Level 1 Analysis	
Level 2 Enhance Safety	
Level 2 Preserve Infrastructure	
Level 2 Enhance Reliability	
Level 2 Optimize Mobility	
Level 2 Optimize Customer Service	
Level 2 Enhance Collaboration	
Level 2 Foster Sustainability	
Level 2 Strengthen TSMO Integration	

Project Information | Level 1 Analysis | L2 Enhance Safety | L2 Preserve Infrastructure | L2 Enhance Reliability | L2 Optimize Mobility | L2 Optimize Customer Service | L2 Enhance Collaboration | L2 Foster Sustainability | L2 Strengthen TSMO

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NDOT TSMO Evaluation Tool – L1 Analysis

LEVEL 1 TSMO ANALYSIS | **Level 1 Analysis Status:**

Name of the representative filling out this form:

Form start date: 7/13/2022

The following questions are to be completed for Level 1 TSMO Analysis. Please answer these questions based on your review of the project. If you answer "Yes" to any of the questions, a **Level 2 Analysis is required.** If you answer "No" to all of the questions in this tab, please proceed to "TSMO Waiver Form" tab and fill out the waiver form.

Print Tab

	L1 Enhance Safety Analysis	L1 Preserve Infrastructure	L1 Enhance Reliability	L1 Optimize Mobility	L1 Optimize Customer Service	L1 Enhance Collaboration	L1 Foster Sustainability	L1 Strengthen TSMO Integration	Comments	Suggestions
Are there any documented safety concerns within the project area? (For example, does the crash data provide any details on number of fatalities and	Yes									
From a safety and sustainability perspective, does the project area meet current design standards?							Yes			
Does the project currently use, or are there opportunities to use, existing infrastructure, such as sign structures,		Yes								
Are there opportunities to include elements in the project that would help keep the roadway system in a good state of service? (For example, a switch from asphalt to concrete to increase the lifecycle of the pavement, maintenance and asset management related										
Does the project eliminate the need for the additional capacity of additional lane miles?										
Are there any design changes or activities that may impact traffic operations due to construction and work zone in the project area?			Yes	Yes						
Are there any known mobility issues in the project area?										
Are there any documented operational or congestion concerns within the project area?					Yes					
Are there any validated concerns or complaints from the traveling public within the project area?						Yes				
Is there a TSMO/ITS project planned within the project area?								Yes		
Does the project enhance the performance of the transportation system while protecting and enhancing the natural environment?										
Are there opportunities for the project to help achieve any of the TSMO Strategic Goals?										
Does the project help improve TSMO maturity within NDOT? If yes, please indicate the targeted dimension in the comments box.										

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Level 1 Analysis | L2 Enhance Safety | L2 Preserve Infrastructure | L2 Enhance Reliability | L2 Optimize Mobility | L2 Optimize Customer Service | L2 Enhance Collaboration | L2 Foster Sustainability | L2 Strengthen TSMO Integration | Suggesti ...

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NDOT TSMO Evaluation Tool –
L2 Analysis

	A	B	C	D	E
1	**ENHANCE SAFETY ANALYSIS - General Information**			**Enhance Safety Analysis Status:**	
2	Name of the representative filling out this form:				
3	Form start date:	7/20/2022			
4	Safety is an essential aspect of Quality of Life. Recognizing that, ideally NDOT identified Enhance Safety as a TSMO Goal to improve the safety of both residents and visitors. The following questions are designed to help identify potential areas to improve safety through TSMO integration.				
5	**Level 2 Enhance Safety Analysis**	**Select one**	**Location**	**Comments**	**Suggestions**
6	Are there any known safety issues in the project area? If yes, indicate what safety issues and how are they proposed to be addressed in the comments column.				
7	Has a speed study been completed for the project? If yes, attach a copy of the speed study.				
8	Does this project align with current/future statewide safety initiatives?				
9	Is there safety funding set aside for this project? If yes, indicate the source and the amount in the comments column.				
10	Are there any physical characteristics in the project area that could contribute to potential safety issues?				
11	Are there opportunities to achieve a significant reduction in traffic fatalities and serious injuries within the project area?				
12	Are there any physical characteristics that may need to be addressed? If yes, identify the characteristics and the applicable requirements in the comments column.				
13	Do the existing pavement markings, signing, and delineation need to be replaced or improved? For example, do advance warning signs for curves need to be installed?				
14	Does the project include any specific TSMO strategies addressing safety? If yes, list the TSMO strategies that are being used.				
15	Does the project include performance measures and performance measurement for safety improvements?				
17	Use + or - to add or remove rows for Level 2 analysis.			+ -	Print Tab
18					

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... Level 1 Analysis | **L2 Enhance Safety** | L2 Preserve Infrastructure | L2 Enhance Reliability | L2 Optimize Mobility | L2 Optimize

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NDOT TSMO Evaluation Tool – Suggestions

NDOT TSMO Evaluation Tool
Summary Sheet

If you have any questions or concerns, contact: Seth Daniels: sdaniels@dot.nv.gov

2022 Version

Project Information	
Project Manager:	Request Date:
Project Type:	District:
Project Area:	Beging MP:
District Representative:	End MP:

Questions	Comments	Suggestions

Page 1

Click here to clear

Print Tab

Insert all Suggestions

TSMO Evaluation Status Summary	
Level 1 Analysis	
Level 2 Enhance Safety	
Level 2 Preserve Infrastructure	
Level 2 Enhance Reliability	
Level 2 Optimize Mobility	
Level 2 Optimize Customer Service	
Level 2 Enhance Collaboration	
Level 2 Foster Sustainability	
Level 2 Strengthen TSMO Integration	

L2 Enhance Safety | L2 Preserve Infrastructure | L2 Enhance Reliability | L2 Optimize Mobility | L2 Optimize Customer Service | L2 Enhance Collaboration | L2 Foster Sustainability | L2 Strengthen TSMO Integration | Suggestions | TSMO Waive ...

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NDOT TSMO Evaluation Tool – TSMO Waiver Form

Print Tab

NDOT TSMO Evaluation Tool
Waiver Form

If you have any questions or concerns, contact: Seth Daniels: sdaniels@dot.nv.gov

2022 Version

Project Information	
Project Manager:	**Request Date:**
Project Type:	**District:**
Project Area:	**Beging MP:**
District Representative:	**End MP:**

Name of the representative filling out this form:
Division:
Date:

I hereby acknowledge I have read and completed review of the Level 1 Analysis tab. Per my responses recorded on the Level 1 Analysis tab and to the best of my knowledge, a Level 2 Analysis is not required for this project at this stage.

Signature

Page 1

L2 Preserve Infrastructure | L2 Enhance Reliability | L2 Optimize Mobility | L2 Optimize Customer Service | L2 Enhance Collaboration | L2 Foster Sustainability | L2 Strengthen TSMO Integration | Suggestions | TSMO Waiver Form

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Outcome, Learning and Benefit

- Close coordination and collaboration during the development process.
- Maximum possible contribution of each project towards achievement of TSMO goals and objectives.
- The goal is for all NDOT Divisions to use this tool at the project scoping level.

Section 03

Final Assessment

Click to access the
Final Assessment Quiz

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FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

1. TSMO IPT and Evaluation Tool were developed to:

- ◯ Enhance collaboration in project planning and scoping
- ◯ Identify opportunities for TSMO integration in projects
- ◯ Allocate funding and resources more efficiently
- ◯ All of the above

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

1. TSMO IPT and Evaluation Tool were developed to:

- ⊗ Enhance collaboration in project planning and scoping
- ◯ Identify opportunities for TSMO integration in projects
- ◯ Allocate funding and resources more efficiently
- ◯ All of the above

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

1. TSMO IPT and Evaluation Tool were developed to:

- ◯ Enhance collaboration in project planning and scoping
- ⊗ Identify opportunities for TSMO integration in projects
- ◯ Allocate funding and resources more efficiently
- ◯ All of the above

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

1. TSMO IPT and Evaluation Tool were developed to:

- ◯ Enhance collaboration in project planning and scoping
- ◯ Identify opportunities for TSMO integration in projects
- ⊗ Allocate funding and resources more efficiently
- ◯ All of the above

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

1. TSMO IPT and Evaluation Tool were developed to:

- ◯ Enhance collaboration in project planning and scoping
- ◯ Identify opportunities for TSMO integration in projects
- ◯ Allocate funding and resources more efficiently
- ● All of the above

Correct! Click for next question.

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

2. The TSMO Evaluation tool is decision-making tool used to prioritize projects efficiently, allocate resources, and ensure alignment of the Traffic Operations division's efforts with the TSMO Vision, Mission, Goals and Objectives.

- ◯ True
- ◯ False

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

2. The TSMO Evaluation tool is decision-making tool used to prioritize projects efficiently, allocate resources, and ensure alignment of the Traffic Operations division's efforts with the TSMO Vision, Mission, Goals and Objectives.

- ⊗ True
- ◯ False

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

2. The TSMO Evaluation tool is decision-making tool used to prioritize projects efficiently, allocate resources, and ensure alignment of the Traffic Operations division's efforts with the TSMO Vision, Mission, Goals and Objectives.

- ○ True
- ● False

Correct! Click for next question.

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

3. The TSMO IPT is an excel-based evaluation tool that will enable NDOT to integrate TSMO processes during the development or initiation phase of every project, ensuring TSMO and associated strategies are formally considered and evaluated.

- ◯ True
- ◯ False

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

3. The TSMO IPT is an excel-based evaluation tool that will enable NDOT to integrate TSMO processes during the development or initiation phase of every project, ensuring TSMO and associated strategies are formally considered and evaluated.

- ⊗ True
- ◯ False

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

3. The TSMO IPT is an excel-based evaluation tool that will enable NDOT to integrate TSMO processes during the development or initiation phase of every project, ensuring TSMO and associated strategies are formally considered and evaluated.

- ○ True
- ● False

Correct! Click for next question.

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

4. Which one of the following statements is correct regarding the TSMO Waiver Form:

- ◯ The form is required when Level 1 analysis is complete.
- ◯ The form is required when Level 2 analysis was triggered.
- ◯ The form is only applicable if the evaluator responds 'No' to all the questions in Level 1 analysis.
- ◯ The form includes the evaluator's recommendations on Level 2 analysis.

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

4. Which one of the following statements is correct regarding the TSMO Waiver Form:

- ⊗ The form is required when Level 1 analysis is complete.
- ◯ The form is required when Level 2 analysis was triggered.
- ◯ The form is only applicable if the evaluator responds 'No' to all the questions in Level 1 analysis.
- ◯ The form includes the evaluator's recommendations on Level 2 analysis.

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

4. Which one of the following statements is correct regarding the TSMO Waiver Form:

- ◯ The form is required when Level 1 analysis is complete.
- ⊗ The form is required when Level 2 analysis was triggered.
- ◯ The form is only applicable if the evaluator responds 'No' to all the questions in Level 1 analysis.
- ◯ The form includes the evaluator's recommendations on Level 2 analysis.

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

4. Which one of the following statements is correct regarding the TSMO Waiver Form:

- ◯ The form is required when Level 1 analysis is complete.
- ◯ The form is required when Level 2 analysis was triggered.
- ● The form is only applicable if the evaluator responds 'No' to all the questions in Level 1 analysis.
- ◯ The form includes the evaluator's recommendations on Level 2 analysis.

Correct! Click for next question.

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

4. Which one of the following statements is correct regarding the TSMO Waiver Form:

- ◯ The form is required when Level 1 analysis is complete.
- ◯ The form is required when Level 2 analysis was triggered.
- ◯ The form is only applicable if the evaluator responds 'No' to all the questions in Level 1 analysis.
- ⊗ The form includes the evaluator's recommendations on Level 2 analysis.

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

5. Which one of the following statements is incorrect regarding the TSMO IPT:

- ◯ Utilized to prioritize ITS project
- ◯ Prioritizes projects based on multiple factors including TSMO goals and objectives
- ◯ Will automatically group ITS projects
- ◯ Helps identify potential project risks and dependencies

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

5. Which one of the following statements is incorrect regarding the TSMO IPT:

- ⊗ Utilized to prioritize ITS project
- ○ Prioritizes projects based on multiple factors including TSMO goals and objectives
- ○ Will automatically group ITS projects
- ○ Helps identify potential project risks and dependencies

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

5. Which one of the following statements is incorrect regarding the TSMO IPT:

- ◯ Utilized to prioritize ITS project
- ⊗ Prioritizes projects based on multiple factors including TSMO goals and objectives
- ◯ Will automatically group ITS projects
- ◯ Helps identify potential project risks and dependencies

Incorrect. *Try again*

FINAL QUIZ

NDOT STATEWIDE TSMO PROGRAM

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

5. Which one of the following statements is incorrect regarding the TSMO IPT:

- ◯ Utilized to prioritize ITS project
- ◯ Prioritizes projects based on multiple factors including TSMO goals and objectives
- ● Will automatically group ITS projects
- ◯ Helps identify potential project risks and dependencies

Correct! Congratulations you're done. Click to continue.

FINAL QUIZ

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TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS TRAINING

Module 203 / IPT and Evaluation Tool

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Incorrect. *Try again*

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THANK YOU

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IPT AND EVALUATION TOOL

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