

UPDATED Nevada State Freight Plan
Table 1-4. Freight Strategies and Implementation Actions - IMMEDIATE-TERM ACTIONS

Strategy	Actions	Timeframe to Initiate Action	Lead Agency/ Contact	Required Partnerships	Potential Funding Source	Approximate Funding Need	Status	Date Status Changed	Remarks
1 Advance multi-use corridor planning for I-11.	1.1 Conduct an analysis of the regional freeway system in Southern Nevada, and determine how and where the I-11 corridor would most appropriately fit in the network.	2017-2019/ongoing	NDOT/David Bowers	<input type="checkbox"/> FHWA <input type="checkbox"/> RTCSNV <input type="checkbox"/> City of Boulder City <input type="checkbox"/> City of Henderson <input type="checkbox"/> City of Las Vegas <input type="checkbox"/> City of North Las Vegas <input type="checkbox"/> Clark County	NDOT – Other	\$2.5 million	Ongoing	4/4/2019	Recently completed Southern Nevada Traffic Study performed a high level (sensitivity) assessment of an I-11 corridor on the eastern portion of the valley. Next, NDOT selected a consultant and currently scoping a Tier 1 EIS for I-11 through (or around) the Las Vegas metro area.
	1.2 Perform a series of studies to assess the strategic extension of I-11 from Las Vegas to the Canadian border, comprising two levels of investigation: (1) detailed corridor planning to determine a single preferred I-11 corridor between the Las Vegas metropolitan area and Northern Nevada border, and (2) high-level visioning to assess the most logical connection to Canada, based on the greatest economic and trade-related opportunities.	2017-2019	NDOT/Kevin Verre	<input type="checkbox"/> FHWA <input type="checkbox"/> Washoe RTC <input type="checkbox"/> CAMPO <input type="checkbox"/> RTCSNV <input type="checkbox"/> Western States Freight Coalition <input type="checkbox"/> Cities/Counties	NDOT – Other	\$2.5 million	Completed/ Ongoing	4/4/2019	NDOT completed the I-11 Northern Nevada Alternatives Analysis PEL in December 2018 that narrowed the corridor option to US-95 to Tonopah and three possible extensions north to I-80 (official congressional designation). Next, NDOT plans to convene discussions with neighboring states of Idaho, Oregon, Washington, California, and Western Canada to initiate planning for possible extension north beyond Nevada via a formal or informal multi-state partnership.
2 Facilitate private development of intermodal facilities in Northern and/or Southern Nevada.	2.1 Identify and facilitate private development opportunities for intermodal facilities.	2017-2019/ongoing	GOED/Dan Langford	Economic development agencies	GOED	N/A	Ongoing	4/4/2019	GOED is actively recruiting businesses in the warehouse distribution/transportation logistics arena. An example of this is APEX Industrial Park.
3 Deploy technologies that improve the fuel-efficiency of commercial vehicles, and provide better mode-choice and integration to encourage the most sustainable freight transportation options.	3.2 Work with the FAC to recommend a mode policy that encourages moving freight in the most sustainable manner.	2017-2019	Nevada Trucking Association / Paul Enos NDOT/ Lee Bonner	FAC State Transportation Board NDOT	N/A	N/A	Planned	7/11/2019	The scope of the State Rail Plan Update partially addresses this, but only for one mode.
4 Preserve and renew Nevada’s freight highway network.	4.1 Update the State Highway Preservation Report every two years to keep an accurate assessment of current maintenance needs to renew funding allotments by the Nevada State Legislature.	2017-2019/ongoing	NDOT	N/A	NDOT – Other	TBD	Completed/ Ongoing	4/4/2019	NDOT is already doing this (completed one in 2015 and then again in 2017).
	4.2 Determine a reliable source of funding for implementation of needed preservation/maintenance requirements.	2017-2019	NDOT/Kevin Verre	<input type="checkbox"/> State Transportation Board <input type="checkbox"/> State legislature <input type="checkbox"/> Nevada's Trucking Association <input type="checkbox"/> FHWA	NDOT – Other	TBD	Ongoing	4/4/2019	This is part of the One Nevada Plan - identifying additional funding sources.
5 Develop a preservation and expansion program for short-line freight rail infrastructure.	5.1 Establish a policy to strengthen NDOT's role in rail planning and implementation, including funding. Establish a policy and criteria for state involvement in rail preservation. Based on criteria, identify investments on short-line rail infrastructure and service preservation.	2017-2019	NDOT/Lee Bonner FAC	<input type="checkbox"/> FRA	FRA	N/A	Planned	7/11/2019	Discuss this with the FAC in conjunction with the scope that will be delivered by NDOT on the State Rail Plan Update RFP.
	5.2 Develop a new rail spur to the Apex Industrial site in Southern Nevada to serve existing and near-term anticipated manufacturers.	2017-2019	RTCSNV/Beth Xie	<input type="checkbox"/> NDOT <input type="checkbox"/> City of North Las Vegas <input type="checkbox"/> Apex Holding Company	City of North Las Vegas	\$35 million	Planned	7/11/2019	This study began by RTC in support of the Future Faraday development but it has since been placed on hold. In discussions with Beth Xie/RTC this project is currently dormant.
7 Develop a method to track and integrate freight transportation, land use, and economic development planning along major freight corridors in Nevada.	7.1 Form land use advisory committees throughout the state to coordinate with NDOT on changes in land use strategies that may impact access along state- owned freight corridors, as well as new land developments that may impact the movement of freight vehicles.	2017-2019/ongoing	NV League of Cities & Municipalities NV Assoc. of Counties RTCs/MPOs FAC	<input type="checkbox"/> MPOs <input type="checkbox"/> NDOT <input type="checkbox"/> GOED <input type="checkbox"/> Economic development agencies	N/A	N/A	Planned	7/11/2019	No update on this. Will discuss the need to create this LU/Freight Advisory Committee with MPOs. Look for potential candidates to be added to the FAC to begin discuss this. For example, a representative from the Dept of Conservation Natural Resources and State Lands.
8 Maintain organization of the FAC to advise on implementation of freight strategies statewide.	8.1 Establish a schedule and process for convening or engaging the FAC in freight-related planning issues and progress upon completion of the NSFP.	2017-2019/ongoing	NDOT/Bill Thompson	<input type="checkbox"/> FAC	N/A	N/A	Completed	4/4/2019	Continuing this effort through Parametrix's current Freight Program Implementation Support contract.
9 Maintain organization and coordination of the WSFC to advise and support on regional freight issues, projects, and policies.	9.1 Establish the mission, organizational structure, process, and schedule for engaging the WSFC in freight-related planning issues upon completion of the NSFP.	2017-2019/ongoing	NDOT/Bill Thompson	<input type="checkbox"/> WSFC	N/A	N/A	Completed/ Ongoing	4/4/2019	WSFC efforts are ongoing. NDOT initially formed it, UDOT is currently leading it. The WSFC meets every other month. 11 western states, WY recently dropped out. Need to look for new sponsorship/lead agency.
10 Encourage logistics and manufacturing-based companies and organizations to pursue workforce development training opportunities.	10.1 Advise on known educational/training opportunities at FAC meetings and encourage members to pursue educational opportunities	2017-2019/ongoing	FAC Nevada Trucking Association/Paul Enos	<input type="checkbox"/> GOED <input type="checkbox"/> Nevada System of Higher Education <input type="checkbox"/> DETR	Knowledge Fund	TBD	Planned	4/4/2019	No action. Recommend removal of this strategy or change lead agency in the next update of NSFP.
11 Pursue freight-related research through NDOT's Research Section to improve the State's readiness and adaptability to new freight movement and technology trends.	11.1 Develop freight related problem statements to submit to NDOT's Research Section	2017-2019/ongoing	NDOT/Bill Thompson	<input type="checkbox"/> Nevada Trucking Association <input type="checkbox"/> UNR, UNLV, and other research entities	State Planning and Research Program	TBD	Ongoing	4/4/2019	This is one of the tasks under the current Freight Implementation Program Support contract being delivered by Parametrix that will help develop freight-related research ideas. FAC could help recommend problem statements but these have to be championed by Bill Thompson on behalf of NDOT.
12 Incorporate autonomous system technologies into Nevada's freight system.	12.1 Understand and develop strategies to respond to advances in autonomous/connected vehicle technology and their impact on the freight transportation system, including related "smart infrastructure" to support implementation.	2017-2019	Nevada Center for Advanced Mobility/Dan Langford NV2X/Kandee Worley	<input type="checkbox"/> NDOT <input type="checkbox"/> GOED <input type="checkbox"/> DMV	GOED	N/A	In Progress	4/4/2019	NDOT's NV2X is currently developing the strategic action plan and organizational framework to address advanced technologies including AV/CV. Issuance of an RFP for consultant support is in the works.
	12.2 Understand and develop strategies to respond to drone or unmanned aerial vehicle technology as a potential supportive freight-delivery technique.	2017-2019	Nevada Institute for Autonomous Systems/Dan Langford	<input type="checkbox"/> NDOT <input type="checkbox"/> GOED <input type="checkbox"/> FAA <input type="checkbox"/> DMV	GOED	N/A	Planned	4/4/2019	See update for item 12.1.

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14	<p>Enforce regulatory compliance through aggressive inspections, use advanced inspection technologies to reduce costs and improve efficiencies for law enforcement and operators alike, and develop reasonable standards for over-dimensional vehicles to operate with fewer impediments on the freight network.</p>	<p>14.1 Identify locations for permanent truck inspection equipment, stations, and data system. Develop a scalable implementation plan with potential phased improvements (e.g. truck weigh stations, pre-screening lanes). Determine a method to sustainably fund improvements and operations, including full-time staffing and determine a fee schedule and appropriate use of fines (e.g., use truck fines to fund the inspection program). Change the Nevada Revised Statutes to allow permit fees to be charged in excess of administrative needs. The additional fees could be used for inspections or pavement preservation. Explore use of a consolidated online website or application to issue and store state-required permitting and credentials, allowing streamlined access for freight carriers and law enforcement compliance officers alike.</p>	2017-2019	<p>NDOT/Ben Craig NHP Northern Command/Don Plowman NHP Southern Command/John Arias</p>	Nevada Trucking Association	NDOT – Other	\$500,000	In Progress	4/4/2019	Currently being delivered by NDOT's Investigation of the Efficacy of Commercial Vehicle Safety, and Size and Weight Regulation and Enforcement in Nevada led by Atkins (aka "The Size and Weight Study").
16	<p>Update the NSFP at regular intervals to insure relevance of goals, objectives, and performance measures, and maintain a prioritized list of projects and programs.</p>	<p>16.1 Integrate recommendations from the NSFP into NDOT's performance-based Long Range Transportation Plan (LRTP).</p>	2017-2019	NDOT/Kevin Verre	<ul style="list-style-type: none"> <input type="checkbox"/> MPOs <input type="checkbox"/> Cities <input type="checkbox"/> Counties 	N/A	N/A	In Progress	4/4/2019	Began integrating freight project recommendations from the NSFP into One Nevada Plan.
		<p>16.5 Hire or allocate support staff to the NDOT Freight Program to implement these strategies.</p>	2017-2019/ongoing	NDOT/Bill Thompson	FAC	NDOT – Other	TBD	Planned	4/4/2019	Part of the Freight Program Implementation Plan Support led by Parametrix.
18	<p>Pursue an "all of the above" strategy to achieve sustainable transportation funding to operate, maintain, and expand Nevada's freight transportation system.</p>	<p>18.1 Stay abreast of legislative changes that may result in grant opportunities.</p>	2017-2019/ongoing	NDOT/Kevin Verre	<ul style="list-style-type: none"> <input type="checkbox"/> FAC <input type="checkbox"/> WSFC <input type="checkbox"/> AASHTO 	N/A	N/A	Ongoing	4/4/2019	On-going effort.
		<p>18.2 Strategize project opportunities for this five-year round of NSFP grants; prepare necessary planning and environmental studies to meet grant requirements.</p>	2017-2019	NDOT/Kevin Verre	FAC	National Highway Freight Program	Varies depending on project	Ongoing	4/4/2019	On-going effort.
		<p>18.3 Maintain coordination with FAC and WSFC to collaborate on potential funding opportunities that are conducive to multi-state projects or partnerships.</p>	2017-2019/ongoing	NDOT/Bill Thompson	N/A	N/A	N/A	Ongoing	4/4/2019	On-going effort.
		<p>18.4 Communicate to the public and stakeholders the status quo outlook for the condition and performance of the State Highway System, and the need for additional and more sustainable transportation funding measures.</p>	2017-2019/ongoing	NDOT/Kevin Verre FAC	<ul style="list-style-type: none"> <input type="checkbox"/> NDOT <input type="checkbox"/> DMV <input type="checkbox"/> Nevada Trucking Association <input type="checkbox"/> MPOs <input type="checkbox"/> National Association of Counties 	N/A	N/A	Planned	4/4/2019	On-going effort. Need to update this action since fuel tax indexing was passed and also need to include the three diesel bills (SB48, SB61, SB138).

Table Organization Notes:

Required partnerships, funding category or funding needs noted as "To Be Determined (TBD)" require additional study or project identification to further define.

UPDATED Nevada State Freight Plan
Table 1-4. Freight Strategies and Implementation Actions - MID-TERM ACTIONS

Strategy	Actions	Timeframe to Initiate Action	Lead Agency/ Contact	Required Partnerships	Potential Funding Source	Approximate Funding Need	Status	Date Status Changed	Remarks		
1	Advance multi-use corridor planning for I-11.	1.3	Update the Nevada Rail Plan with an analysis of the feasibility of completing a freight rail connection between Las Vegas and Reno-Sparks-Carson City.	2020-2022	NDOT/Lee Bonner	<ul style="list-style-type: none"> <input type="checkbox"/> FRA <input type="checkbox"/> Washoe RTC <input type="checkbox"/> CAMPO <input type="checkbox"/> RTCSNV <input type="checkbox"/> Western States Freight Coalition <input type="checkbox"/> Cities/Counties <input type="checkbox"/> UPRR <input checked="" type="checkbox"/> BNSF 	NDOT – Other	\$500,000	Planned	7/9/2019	
3	Deploy technologies that improve the fuel-efficiency of commercial vehicles, and provide better mode-choice and integration to encourage the most sustainable freight transportation options.	3.1	Encourage use of cleaner vehicle technologies to reduce freight vehicular emissions.	2020-2022	Nevada Trucking Association/Paul Enos	<ul style="list-style-type: none"> <input type="checkbox"/> NDOT <input type="checkbox"/> DMV 	N/A	N/A	Planned	4/4/2019	Semi electric semi truck production is back in as Tesla continues to test/evaluate production and logistics. The route between Fremont factory in California and Gigafactory 1 in Nevada is one of the routes Tesla is focused on. Additionally, with the designation of US 95 in northern Nevada as Electric Highway, NDOT continues to look for candidate corridors for installation of EV charging stations.
		3.3	Build a compelling public benefits analysis and demonstration of potential market feasibility for new intermodal and/or bulk transload rail services from/to the State.	2020-2022	GOED, Melanie Sheldon	<ul style="list-style-type: none"> <input type="checkbox"/> NDOT <input type="checkbox"/> UPRR <input type="checkbox"/> LVGVA <input type="checkbox"/> RTCSNV <input type="checkbox"/> Washoe RTC 	GOED	\$100,000	Planned	4/4/2019	Already in the scope for the State Rail Plan Update.
		3.4	Pursue electrification at truck stops to reduce vehicle emissions from idling	2020-2022	FAC Nevada Trucking Association/Paul Enos Private Truck Stops NV2X/Kandee Worley	<ul style="list-style-type: none"> <input type="checkbox"/> NDOT <input type="checkbox"/> Nevada Trucking Association <input type="checkbox"/> Department of Conservation and Natural Resources <input type="checkbox"/> Nevada Governor's Office of Energy 	Private	TBD	Planned	4/4/2019	This was evaluated as part of NDOT's Truck Parking Study. Unfortunately, no one wants to fund truck stop electrification...yet. This initiative can be on hold until EV trucks get deployed and technology becomes more mature/known.
		3.5	Establish incentives to encourage the trucking industry to invest in next generation truck technologies.	2020-2022	Nevada Trucking Association/Paul Enos	<ul style="list-style-type: none"> <input type="checkbox"/> NDOT <input type="checkbox"/> DMV <input checked="" type="checkbox"/> FAC (Trucking Companies) 	NDOT – Other	TBD	Planned	4/4/2019	Discuss/collaborate with Nevada Trucking Association as well as NDOT's Kandee Bahr Worley (NV2X).
6	Strengthen NDOT's Rail Safety and Security Program	6.1	Secure additional funding for NDOT's Rail Safety and Security Program. Additional funding from private stakeholders, discretionary grants, or other Federal, state, or local sources could help to fund more significant changes, such as closures or physical grade separations.	2020-2022	NDOT/Doug Fromm	<ul style="list-style-type: none"> <input type="checkbox"/> UPRR <input type="checkbox"/> MPOs <input type="checkbox"/> Cities <input type="checkbox"/> Counties 	TBD	TBD	Planned	4/4/2019	No update on this.
13	Increase the number of truck parking spaces and facilities, along with supportive ITS improvements.	13.1	Create a Nevada Truck Rest Stop Implementation Plan. Phase I is largely completed as part of the NSFP, and Phase II would consist of continued data collection and analysis, including surveys and interviews that will result in identification of issues as well as recommendations for additional truck parking areas.	2020-2022	NDOT/Bill Thompson	<ul style="list-style-type: none"> <input type="checkbox"/> Nevada Trucking Association <input type="checkbox"/> WSFC 	National Highway Freight Program	\$500,000	Completed	4/4/2019	This is part of the current NDOT Truck Parking Study led by Cambridge which is nearing completion and funding has been identified to advance some of the implementation recommendations. The projects identified in the study will go through the prioritization process (One Nevada) and the list will be included on the freight website.
		13.2	Implement investments in partnership with private and public stakeholders on truck parking ITS and expanding rest areas along interstate and interregional highways. Explore multistate partnerships.	2020-2022	NDOT/Bill Thompson	<ul style="list-style-type: none"> <input type="checkbox"/> FAC <input type="checkbox"/> WSFC 	National Highway Freight Program	\$2.5 million	Planned	4/4/2019	This is one of the recommendations from the NDOT Truck Parking Study.
14	Enforce regulatory compliance through aggressive inspections, use advanced inspection technologies to reduce costs and improve efficiencies for law enforcement and operators alike, and develop reasonable standards for over-dimensional vehicles to operate with fewer impediments on the freight network.	14.3	Develop design standards to require an 18-foot-0-inch bridge clearance for all new construction to be considered, and implemented when feasible.	2020-2022	NDOT	Nevada Trucking Association	TBD	TBD	Planned	4/4/2019	No need for design standards. Being implemented by NDOT Structures Division. REMOVE FROM TABLE
15	Develop response plans and mitigation strategies for potential threats to Nevada's freight transportation system.	15.1	Research and document risks, mitigation measures, and emergency plans in a Comprehensive Disaster Risk Assessment.	2020-2022	NDOT/Bill Thompson	Nevada Highway Patrol	NDOT – Other	\$200,000	Planned	4/4/2019	Discuss with FAC.
		15.2	Conduct a Hazardous Commodity Flow Study to document by what route and mode all hazardous materials are transported throughout Nevada.	2020-2022	NDOT/Bill Thompson	<ul style="list-style-type: none"> <input type="checkbox"/> State Emergency Response Commission <input type="checkbox"/> Nevada Dept. of Public Safety, HAZMAT Permitting Office 	National Highway Freight Program	\$300,000	In Progress	4/4/2019	Currently completing NDOT's Hazardous Commodity Flow Study led by Cambridge.
16	Update the NSFP at regular intervals to insure relevance of goals, objectives, and performance measures, and maintain a prioritized list of projects and programs.	16.2	Integrate freight performance measures into NDOT's annual Performance Management process, allowing the monitoring of performance and progress of freight improvements. Based on the resultant analysis, maintain a list of high priority freight performance needs.	2020-2022	NDOT/Bill Thompson	<ul style="list-style-type: none"> <input type="checkbox"/> FAC <input type="checkbox"/> MPOs 	NDOT – Other	TBD	In Progress	4/4/2019	Part of the Freight Program Implementation Plan Support led by Parametrix.
		16.3	Conduct periodic updates to Nevada's defined National Highway Freight Network.	2020-2022	NDOT/Bill Thompson	FAC	N/A	TBD	In Progress	4/4/2019	Part of the Freight Program Implementation Plan Support led by Parametrix.
17	Implement projects defined in the NSFP prioritized list of improvements.	17.1	Incorporate the fiscally constrained freight investment plan into the long-range transportation plan, and update as needed.	2020-2022	NDOT/Bill Thompson	FAC	In conjunction with NDOT's L RTP	N/A	Completed/ Ongoing	7/9/2019	See Bill Thompson's freight program list of obligated and non-obligated projects. Will continue to coordinate with One NV Plan project prioritization efforts.
		17.2	Periodically identify and prioritize additional freight-related capital improvement projects, and update the prioritized list of projects and fiscally constrained freight investment plan	2020-2022	NDOT/Kevin Verre	FAC	N/A	N/A	Completed/ Ongoing	4/4/2019	Ongoing effort by Bill Thompson.
18	Pursue an "all of the above" strategy to achieve sustainable transportation funding to operate, maintain, and expand Nevada's freight transportation system.	18.5	Prepare a "business case" document that assesses quantitatively and/or qualitatively the economic and non-economic benefits of full implementation of the state's long-range transportation plan to the significant beneficiary groups.	2020-2022	GOED, Melanie Sheldon	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> NDOT <input checked="" type="checkbox"/> FAC <input checked="" type="checkbox"/> Nevada Trucking Association <input checked="" type="checkbox"/> MPOs <input checked="" type="checkbox"/> Counties <input checked="" type="checkbox"/> Cities 	NDOT – Other	\$1 million	Planned	4/4/2019	On-going effort. Change lead agency to GOED with added partnerships.

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Strategy		Actions		Timeframe to Initiate Action	Lead Agency/ Contact	Required Partnerships	Potential Funding Source	Approximate Funding Need	Status	Date Status Changed	Remarks
14	Enforce regulatory compliance through aggressive inspections, use advanced inspection technologies to reduce costs and improve efficiencies for law enforcement and operators alike, and develop reasonable standards for over-dimensional vehicles to operate with fewer impediments on the freight network.	14.2	Construct the inspection stations at key locations, including integration of advanced technologies to gather information – reducing layover time for truckers and limiting the number of on-hand staff required (e.g. Drivewayze or PrePass, which use electronic transponders to quickly access vehicle information and ensure compliance with state requirements).	2023-2027	NDOT/Bill Thompson NHP Northern Command/Don Plowman NHP Southern Command/John Arias	TBD	National Highway Freight Program	\$2 million	Planned	7/9/2019	Currently at NDOT Scoping Division for design of inspection station on I-15.
		16.4	Conduct a wholesale update to the NSFP every five years.	2023-2027	NDOT/Bill Thompson	FAC	NDOT – Other	\$1.5 million	Planned	7/9/2019	No action. Program for FY 2021

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