

# ALASKA MOVES 2050

## Appendix J - Freight Investment Plan

December 2022



ALASKA STATEWIDE LRTP  
FREIGHT PLAN

## Appendix J - Freight Investment Plan

The Freight Investment Plan is fiscally constrained and includes a list of freight-supportive infrastructure projects across Alaska. It also describes how funds made available would be invested and matched.

### Freight Investment Project List—FY 22 to FY 27

Project	Region	Description	Phase	Cost FY22 to FY27	Planned NHFP Funds	State Match: 9.09%	Other Fed. & State Funds	Beyond Plan Period	STIP #
Dalton Highway Reconstruction MP 18-37	Northern	"Reconstruction, including widening and rehabilitation of approximately 19 miles of the Dalton Highway in the Hess Creek Area. Work includes replacing Hess Creek Bridge #1213."	Construction	<b>\$60,000,000</b>	\$17,000,000	\$5,418,000	\$54,582,000	\$55M	22446
Dalton Highway Reconstruction (MP 0-9)	Northern	"Reconstruct the Dalton Highway between MP 0-9 to improve substandard sections. This work will include the replacement of the Lost Creek Culvert with bridge #2322. "	Design and Construction	<b>\$41,000,000</b>	\$25,000,000	\$90,300	\$15,909,700	\$40M	22453
Sterling Highway MP 58-79	Central	Skilak Lake Road -Sterling rehabilitation and passing lane	Construction	<b>\$68,293,404</b>	\$17,500,000	\$1,590,750	\$49,202,654	TBD	2673, 32300, 32683, 33242, 32319

Project	Region	Description	Phase	Cost FY22 to FY27	Planned NHFP Funds	State Match: 9.09%	Other Fed. & State Funds	Beyond Plan Period	STIP #
Ocean Dock Road	Central	"Generally includes the intersection of Ocean Dock Road at the C Street ramps and the larger area of the Ocean Dock Road corridor from Whitney Road to Roger Graves Road within the Port of Alaska. Improvements will reduce freight delay caused by train and truck interactions at the existing rail-road at-grade crossings and to decrease the potential for crashes. "	Planning through Construction	\$46,000,000	\$29,768,000	\$2,705,911	\$13,526,089	TBD	No
State Rail Plan	Statewide	Statewide Rail Plan	Planning	\$1,100,000	\$910,000	\$82,719	\$107,281		
Truck Parking Study	Statewide	Complete a statewide truck parking study in coordination with the private sector to understand truck parking needs and identify cost-effective strategies to meet the needs.	Planning through Construction	\$350,000	\$322,000	\$29,270	\$-	TBD	No

**TOTAL Project Costs  
FY 22 to FY 27**

**\$216,743,404    \$90,500,000**

**TOTAL  
ESTIMATED NHFP  
APPORTIONMENT**

**90,500,000    \$9,916,950**

## Illustrative Listing of Projects

Below is an illustrative listing of freight projects. The list is not fiscally constrained, nor is it in any specific order. Some projects include more detail than others and some may already be in various stages of planning, design, and construction. The primary purpose of this listing is for documentation and future reference in the event additional federal dollars become available in the future.

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
	Dalton Highway MP 222-235		CRFC (certified)	\$17,120	Yes	Y
	Sterling Highway MP 60-79		PHFS	\$17,159	Yes	Y
	Dalton Highway MP 222-235		CRFC (certified)	\$10,700	Yes	Y
	Dalton Highway MP 0-9		CRFC (certified)	\$22,051	Yes	Y
	Modernization of the Klondike Highway		N/A	Unknown	No	
	Juneau Douglas North Crossing Bridge		N/A	Unknown	No	
<b>Statewide (DOT&amp;PF Priorities)</b>	The Williamsport-Pile Bay Road		N/A	Unknown	No	

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Statewide (Freight Advisory Committee Priorities)	Parks Highway Alternative Corridor (Wasilla Bypass)	Planning and Environmental Linkages (PEL) Study underway and will be finalized in Winter 2023.	PHFS/CRFC (potential)	Unknown	No	Y
	A road to Juneau		N/A	Unknown	No	
	Bridges on the Richardson Highway	Address bridges on the Richardson Highway that are height and/or weight restricted.	N/A	Unknown	No	
	Fund weigh stations for 24-hour operation	Research/perform a study to identify funding mechanisms to keep weigh stations open for 24 hours.	N/A	Unknown	No	
	Truck parking areas		N/A	Unknown	No	Y
	Chulitna River Bridge (Parks Highway)	Identified by the FAC as a bridge that hinders efficient freight movement	PHFS	Unknown	No	Y
	Eagle River Bridge (Glenn Highway)	Identified by the FAC as a bridge that hinders efficient freight movement	PHFS	Unknown	No	Y
	Improvements outside of the Port of Alaska for trucks and the railroad to move cargo to and from the port more efficiently		PHFS Intermodal Connector	Unknown	No	Y
	Rerouting of the railroad mainline around Fairbanks		N/A	\$800,000	No	
	ARRC Rail Bridge Improvements	The ARRC Bridge Program identifies structures requiring upgrade, overhaul or replacement. In pursuit of this program, ARRC's current 5-year plan calls for more than 30 bridges to be replaced or rehabilitated.	N/A	Varies	No	TBD

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Fairbanks Area (DOT&PF Northern Region, including FAST Planning)	Robertson, Gerstle and Johnson River Bridge Replacements (Alaska Highway)	Replace all three highway bridges to new standards. Includes reconstruction, drainage improvements, roadside hardware, and utilities.	PHFS	Unknown	No	Y
	Parks Highway MP252 - 262 Rehabilitation		PHFS	Unknown	No	Y
	Parks Highway MP262 - 276 Rehabilitation		PHFS	Unknown	No	Y
	Parks Highway MP285 - 305 Rehabilitation		PHFS	Unknown	No	Y
	Parks Highway Road/Rail Swap (MP 235)	Realign the Parks Highway and the railroad in the vicinity of Denali National Park to eliminate the at grade road/rail crossing at MP 235.	PHFS	Unknown	No	Y
	Parks Highway MP 315 - 325 Reconstruction	Reconstruct the Parks Highway from Milepost 319 to 325 and replace Little Goldstream Creek Bridge at Milepost 315. Project addresses roadway geometry and safety issues.	PHFS	Unknown	No	Y
	Parks Highway MP 183-192 Reconstruction	Reconstruct the Parks Highway and replace the East Fork Chulitna River Bridge #0260. Project enhances safety and road conditions.	PHFS	Unknown	No	Y
	Elliott Highway MP 12-19 Rehabilitation	State of Good Repair project to address road damage	PHFS (Proposed)	Unknown	No	Y
	Elliott Highway MP 51-63 Rehabilitation	State of Good Repair project to address road damage. Rehabilitate the Elliott Highway from MP 51-63 including bridge work (Tolovana River Bridge #0440), roadside hardware, drainage improvements, and utilities.	PHFS (Proposed)	Unknown	No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Fairbanks Area (DOT&PF Northern Region, including FAST Planning)	Elliott Highway MP 63-73 Rehabilitation	SOGR project to address road damage	PHFS (Proposed)	Unknown	No	Y
	Dalton Highway MP109-144 Reconstruction	Reconstruction, including widening, spot repairs and resurfacing of approximately 35 miles of the Dalton Highway. Also includes replacing Douglas Creek Bridge #1560. Construction will happen in 3 stages: NID 30276, NID 30270 and the final segment of construction including bridge #1560 under this NID 22452.	CRFC (certified)	Unknown	No	Y
	Dalton Highway MP 305-335 Upgrades	Upgrade the Dalton Highway from Milepost 305 to 335. Work includes resurfacing, minor realignments, grade raises, addition of turnouts, roadside hardware, drainage improvements, utilities, and replacement of the Dan Creek Bridge No. 1521.	CRFC (potential)	Unknown	No	Y
	Dalton Highway MP 190 Hammond River Bridge Replacement	Replace the Hammond River Bridge, which is structurally deficient.	CRFC (certified)	Unknown	No	Y
	Tok Cutoff MP 60-68 Rehabilitation	SOGR project to address road condition	PHFS	Unknown	No	Y
	Tok Cutoff MP 68-76 Rehabilitation	SOGR project to address road condition	PHFS	Unknown	No	Y
	Alaska Highway MP 1235-1268 Rehabilitation and Passing Lanes	Rehabilitate highway and construct passing lanes.	PHFS	Unknown	No	Y
	Alaska Highway Passing Lanes MP 1221 - 1422	Construct passing lanes on the Alaska Highway (to promote safety) - note, project has two stages of work. Project addresses freight and safety issues.	PHFS	Unknown	No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Fairbanks Area (DOT&PF Northern Region, including FAST Planning)	Parks Highway MP 163-183 Rehabilitation	Rehabilitate the Parks Hwy to improve drainage, and construct passing lanes and an at grade railroad crossing at Milepost 169 (Note: project has 3 stages).	PHFS	Unknown	No	
	Richardson Highway MP 248-263 Passing Lanes (Delta to Fairbanks)	Project facilitates safety and passing movements.	N/A	Unknown	No	
	Steese Expressway/ Johansen Expressway Interchange	Construct a grade-separated interchange at the intersection of Steese Expressway and Johansen Expressway. Realign adjacent access as necessary to accommodate the selected interchange configuration. Work includes a new bridge.	PHFS	Unknown	No	
	Richardson Highway Mile Point 139-151 Milepost 137-148 Rehabilitation and Widening (Stage I of III)	Rehabilitate the interstate portion of the Richardson Highway facilitating freight movement from the Alaska Highway to the Glenn Highway.	PHFS	Unknown	No	
	Richardson Highway MP 233 Bear Creek Bridge #0593 Replacement	Reconstruct the Richardson Highway between MP232 and 234.5, and replace the Bear Creek Bridge #0593. Note this project is not on the interstate but does facilitate freight between Valdez and Fairbanks.	N/A	Unknown	No	
	Steese Highway MP 11-20 Rehabilitation and Widening	Rehabilitate the Steese Highway past Fox to support traffic and freight. Project will include widened shoulders, improved drainage and intersection improvements.	N/A	Unknown	No	
	Parks Highway MP 305-319 Reconstruction	Reconstruct the Parks Highway north of Nenana; includes passing lanes, pavement, drainage, bridge work	PHFS	Unknown	No	



<b>Region (Identified By)</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Designation</b>	<b>Estimated Cost (in \$000s)</b>	<b>Currently on STIP?</b>	<b>NHFP Eligible? (Y/N)</b>
<b>Fairbanks Area (DOT&amp;PF Northern Region, including FAST Planning)</b>	<b>Parks Highway MP 169 Hurricane Crossing</b>	Grade separated railroad crossing at MP 169 on the Parks Highway.	PHFS	Unknown	No	
	<b>Fairbanks Rail Extension to Delta Junction and Ft Greely</b>	Extend rail connectivity to Delta Junction and Ft. Greely. Connecting to Delta Junction facilitates freight movement related to natural resource extraction/mining (Kinross Mine Tetlin to Fort Knox Ore Transport). Connecting to Ft. Greely provides a connection for military movements.	N/A	Unknown	No	Y

<b>Region (Identified By)</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Designation</b>	<b>Estimated Cost (in \$000s)</b>	<b>Currently on STIP?</b>	<b>NHFP Eligible? (Y/N)</b>
<b>Anchorage Area (DOT&amp;PF Central Region, including AMATS)</b>	<b>AMATS MTP Project #111 - Glenn Highway Capacity Improvements Phase II - Artillery Road Interchange to Hiland</b>	Construct improvements to the southbound Glenn Highway from Artillery Road Interchange to Hiland Road Interchange.	PHFS	\$53,000	No	Y
	<b>AMATS MTP Project #112 - Glenn Highway Hiland Road Interchange Reconstruction</b>	Reconstruct the Glenn Highway Interchange at Hiland Road. Make necessary non-motorized improvements including connection of the Glenn Highway pathway. Evaluate the need for a two lane on ramp from Hiland Road Interchanges to the weigh station. Project would consider adjacent land use.	PHFS	\$30,000 (2018)	No	Y
	<b>AMATS MTP Project #113 - Glenn Highway Interchange Analysis - North Eagle River to Eklutna</b>	Assess the following interchanges for current and future operations and make recommendations for any improvements: Old Glenn Hwy/Eklutna Village Rd, Thunderbird Falls, Mirror Lake, North Peters Creek/Settlers Dr, South Peters Creek/Ski Rd, Birchwood Loop Rd North, Birchwood Loop Rd South, North Eagle River Interchange.	PHFS	\$5,657 (2018)	No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Anchorage Area (DOT&PF Central Region, including AMATS)	AMATS MTP Project #114 - Glenn Highway: Hiland Road & Artillery Road Interchanges Planning and Environmental Linkages (PEL) Study	Further refine and analyze Glenn Highway interchange concepts at Hiland Road and Artillery Road to evaluate environmental challenges and improve the understanding of various design issues and anticipated project costs. Bridges in the project area include #0535, 1327, 1328 & 1341.	PHFS	\$2,000 (2018)	No	Y
	AMATS MTP Project #117 - Midtown Congestion Relief Project	On completion of the Midtown Congestion Relief Planning and Environmental Linkages (PEL) study and after the NEPA process identifies a preferred alternative, purchase right of way for future improvements from Tudor Road to 20th Avenue and extend the Seward Highway frontage roads; includes interim projects identified as part of the Midtown Congestion Relief PEL. Project would include non-motorized improvements and consider adjacent land use.		\$193,288 (2018)	No	
	AMATS MTP Project #128 - Seward Highway Reconstruction - O'Malley Road to Dimond Blvd	Reconstruct and widen from 4 to 6 lanes. Landscaping and possible noise walls. Includes reconstruction of Dimond Blvd interchange. Recommend separated pathways on all frontage road improvements.	PHFS	\$130,930 (2018)	No	Y
	AMATS MTP Project #129 - Seward Highway/ Glenn Highway Connection PEL Study - 20th Avenue (Chester Creek) to Airport Heights Road	The intent of this PEL is to define a vision for the future of this connection, identify environmental and resource concerns and opportunities in the study area, and use the information to develop reasonable alternatives through consultation with the affected agencies and the public.	PHFS	\$5,000 (2018)	No	Y

<b>Region (Identified By)</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Designation</b>	<b>Estimated Cost (in \$000s)</b>	<b>Currently on STIP?</b>	<b>NHFP Eligible? (Y/N)</b>
<b>Anchorage Area (DOT&amp;PF Central Region, including AMATS)</b>	<b>AMATS MTP Project #130 - Seward Highway/O'Malley Road Interchange</b>	Reconstruct the interchange at Seward Highway and O'Malley Road. Project would include non-motorized improvements and consider adjacent land use.	PHFS	\$20,800 (2018)	No	Y
	<b>AMATS MTP Project #132 - Seward Highway/Tudor Road Interchange Reconstruction</b>	Reconstruct the Seward Highway/Tudor Road Interchange and make necessary safety and capacity improvements. Project would include non-motorized improvements and consider adjacent land use.	PHFS	\$31,500 (2018)	No	Y
	<b>AMATS MTP Project #204 - Glenn Highway Artillery Road Interchange Reconstruction</b>	Reconstruct the Glenn Highway Interchange at Artillery Road. Project would include non-motorized improvements, including connection of the Glenn Highway Pathway. Project would consider adjacent land use.	PHFS	\$51,400 (2018)	No	Y
	<b>AMATS MTP Project #212 - Midtown Congestion Relief Project</b>	Reconstruct the Seward Hwy as a freeway from 20th Avenue to Tudor Road which may include interchanges at 36th Avenue, Northern Lights Blvd, Benson Blvd, Fireweed Lane, and the addition of frontage roads. Project would include non-motorized improvements and consider adjacent land use.	PHFS	\$250,125 (2018)	No	Y

<b>Region (Identified By)</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Designation</b>	<b>Estimated Cost (in \$000s)</b>	<b>Currently on STIP?</b>	<b>NHFP Eligible? (Y/N)</b>
<b>Anchorage Area (DOT&amp;PF Central Region, including AMATS)</b>	<b>AMATS MTP Project #214 - Seward Highway /Glenn Highway Connection - 20th Avenue (Chester Creek) to 13th</b>	Construct freeway connection between Seward Highway/20th Avenue and 13th Avenue with freeway access and egress ramps onto Ingra/ Gambell Streets near the northern termini of the project. Reconstruct Ingra Street/ Gambell Street and construct separated grade crossings of the freeway to reconnect portions of the east-west street system. Construct an interchange at Airport Heights Drive and Glenn Highway Intersection. Project would include non-motorized improvements and consider adjacent land use.	PHFS	\$237,500 (2018)	No	Y
	<b>Anton Anderson Memorial Tunnel Operations</b>	This tunnel is an important critical link to an ice-free port with rail connectivity to the Kenai Peninsula Borough, Municipality of Anchorage, the Matanuska-Susitna Borough and the Fairbanks North Star Borough	CRFC (Potential)		No	Y
	<b>Bethel Chief Eddie Hoffman Highway</b>	Provides the only connection between the town of Bethel, Bethel Airport, and Port of Bethel.	CRFC (Potential)		No	Y
	<b>Bridge Access Road Pavement Preservation</b>	Roadway pavement preservation on this road is essential as it provides the only alternative crossing of the Kenai River that could provide access to the entire lower Kenai Peninsula	N/A		No	Y
	<b>Eklutna Interchange Bridge Height Improvements</b>	Bridge height clearances at this interchange have restricted freight movement.	PHFS (Glenn Hwy)		No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Anchorage Area (DOT&PF Central Region, including AMATS)	Glenn Hwy Airport Heights to Park Hwy Rehab	Rehabilitate the highway to extend pavement life and provide safety/capacity improvements on entrance ramps that are functionally deficient. <a href="https://dot.alaska.gov/creg/glenn/">https://dot.alaska.gov/creg/glenn/</a>	PHFS		No	Y
	Glenn Hwy MP 34-42 Reconstruction	This reconstruction project will result in a four-lane divided highway designed to accommodate increasing traffic by adding lanes, widening shoulders, accommodating turning movements at designated turn pockets, and other traffic/safety improvements. <a href="http://www.brooks-alaska.com/glennhighway/">http://www.brooks-alaska.com/glennhighway/</a>	PHFS		No	Y
	Glenn Hwy 53-56 Reconstruction	To improve overall roadway maintenance, mitigation of rock fall due to unstable gravel slopes of Moose Creek Canyon, improvement of tight roadway curves, provide accommodation for bicyclists and pedestrians. Project is federally funded with a state match of 9 percent. <a href="http://www.glennhighwayatmoosecreek.com/Documents/20211215_Moose_Creek_PFS_508.pdf">http://www.glennhighwayatmoosecreek.com/Documents/20211215_Moose_Creek_PFS_508.pdf</a>	PHFS	\$35,000	No	Y
	Glenn Highway Over Height Bypass Improvements - Anchorage to Eklutna	Easy on, easy off solutions to encourage truckers to avoid bridges with inadequate load heights.	PHFS		No	Y
	Kenai Spur Hwy 29-38	Resurface the Kenai Spur Highway between mileposts 29 and 38. Improvements to roadside hardware, safety, drainage, signs, and minor structural section improvements may also be included.	N/A		No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Anchorage Area (DOT&PF Central Region, including AMATS)	Parks Highway and Palmer-Wasilla Highway Intersection Freight Bottleneck Relief	Freight bottleneck relief from Parks Highway at Hyer Road to Knik-Goose Bay Road.	PHFS and CUFC (Proposed)		No	Y
	Parks Highway Freight Bottleneck Relief through Wasilla	Freight bottleneck relief through Wasilla	PHFS		No	Y
	Parks Hwy 99-123 Rehabilitation	This section of the Parks Highway has the greatest seasonal weight restriction, limiting the entire route's efficiency to the freight industry.	PHFS		No	Y
	Port of Anchorage Access Improvements	DOT&PF Central Region has a study underway to address solutions.	PHFS Intermodal Connector		No	Y
	Seward Hwy 36th Ave Interchange		PHFS		No	Y
	Seward Highway 99 to 118	This section of the Seward Highway is part of the Governor's safety initiative and improvements would help freight travel as well as safety.	PHFS		No	Y
	Seward Hwy Sterling Intersection improvements	Construct improvements to the Seward Highway and Sterling Highway intersection to improve traffic flow and safety.	PHFS (Sterling Hwy)		No	Y
	Seward Hwy Alyeska Hwy intersection	Construct a divided highway intersection at the Alyeska Highway to allow queuing for left turning vehicles.	PHFS		No	Y
	Seward Hwy MP104-108.5 (Windy Corner to Rainbow Point)	Improve the Windy Corner area of the Seward Highway to include highway realignment, auxiliary lanes, safety improvements, wildlife viewing turnouts, and railroad relocation as needed.	PHFS		No	Y

Region (Identified By)	Project Name	Project Description	Designation	Estimated Cost (in \$000s)	Currently on STIP?	NHFP Eligible? (Y/N)
Anchorage Area (DOT&PF Central Region, including AMATS)	Seward Hwy 25.5-36 Rehabilitation	Restoring, resurfacing, and rehabilitation (3R) of the Seward Highway, from MP 25.5 to 36, Trail River to the Sterling Wye, to preserve and extend the service life of the highway, enhance safety, and provide passing lanes. The project may also include pedestrian amenities and traffic calming in the community of Moose Pass. This is a new project in the corridor to revisit the roadway rehabilitation, initially through the development of an Environmental Document.	N/A		No	Y
	Seward Hwy O'Malley to Dimond Reconstruction	Reconstruct the Seward Highway between O'Malley Road and Dimond Blvd. which may include: new north and south bound lanes and auxiliary lanes, a new interchange connecting 92nd Avenue to Academy Drive, reconstruction of the existing interchanges within the project limits, construction and reconstruction of frontage roads, pathway and sidewalk improvements, noise walls and drainage improvements.	PHFS		No	Y





# LRTP

ALASKA STATEWIDE LONG-RANGE  
TRANSPORTATION PLAN



ALASKA STATEWIDE LRTP  
**FREIGHT PLAN**