

AP/AL: Appropriation **Project Type:** Construction
Category: Transportation
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Pat Kemp
Estimated Project Dates: 04/20/2014 - 06/30/2016 **Contact Phone:** (907)465-3900

Brief Summary and Statement of Need:

Repair damaged areas, due to flooding and ice jams, which resulted in substantial damage to the public infrastructure. These projects are not eligible for reimbursement from the Federal Highway Administration or the Federal Emergency Management Agency.

Funding:	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>Total</u>
Gen Fund	\$2,408,107						\$2,408,107
Total:	\$2,408,107	\$0	\$0	\$0	\$0	\$0	\$2,408,107

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

No prior funding history.

Project Description/Justification:

The Department of Transportation and Public Facilities (department) has incurred costs associated with the necessary repairs to department infrastructure as a result of flooding and ice jams occurring May 17, 2013 and continuing through June 2013. On May 30, 2013, the Governor declared an emergency disaster. The flooding covered a major portion of the Northern Region and included the following boundaries: southernmost location Richardson Highway MP 29 near Valdez; northernmost location Dalton Highway MP 325 Sag River; easternmost location Community of Eagle; and the western most location - Nome. The damage to the infrastructure consisted of culvert washouts, embankment erosion, ditch line erosion, log jams forming on drainage structures, and roadway inundation. As a result of the flooding damage, there were various roadway closures throughout the Northern Region during the event.

The department pursued federal funding from the Federal Highway Administration (FHWA) and Federal Emergency Management Agency (FEMA) for reimbursement of emergency repairs. Many of the sites were ineligible for federal reimbursement and are thus included in this request. A majority of the ineligible sites are not FEMA eligible due to the roadway classification and therefore are under the FHWA jurisdiction. FHWA reviewed all of the sites for eligibility and made a determination that the widely scattered damage as a result of snow melt was not an emergency eligible event. FHWA stated if there was a corridor of damaged sites caused by one weather event

and the repair cost exceeded \$750,000, then the repairs would be deemed eligible. The department analyzed the damaged locations with a corridor approach and determined the combined corridor sites did not meet the \$750,000 threshold. Consequently, the emergency repairs are not eligible for FHWA reimbursement.

It is estimated that the total cost of emergency repairs is \$8,800,000. Of this total repair cost, \$6,391,893, or 73%, is eligible for reimbursement. FHWA is anticipated to reimburse the department \$1,408,107 and FEMA \$4,983,786. Currently the department does not have sufficient state funds to support the remaining \$2,408,107 in repairs necessary to return the infrastructure back to its original safe operating condition. Northern Region has expended \$662,400 for emergency repairs that are ineligible for federal reimbursement. The state general funds will be used to reimburse repair costs incurred to date and design and construction projects to permanently restore the damaged sites to pre-flood condition.

Estimated repair costs which are not eligible for federal participation.		
Description	Total Estimate	Comments
Alaska Highway MP 1312.1 Culvert Installation	\$19,940	Maintenance and Operations (M&O) installed two each 36" diameter culverts to prevent water from overtopping the Alaska Highway in an emergency protective measure to prevent roadway damage. All work at this site is complete.
Chena Hot Springs Road MP 36 Flowing Water Across Roadway	\$2,906	M&O removed large amounts of debris from the drainage structures.
Circle Hot Springs Road MP 5 Road Washed Out	\$14,190	The roadway embankment washed out at this site causing an approximately one day road closure. The embankment has currently been reconstructed and repaired by M&O forces.
Dalton Highway MP 324-325 Sag River Stockpile	\$216,653	A stockpile of 125 bags of calcium chloride was washed away by flood waters.
Deering Airport Road	\$2,745	M&O has completed the

		roadway repairs.
Eagle - Mission Road Debris Removal	\$15,818	Large amount of ice and debris was removed from the roadway.
		Water overtopped the existing roadway in three locations. The aggregate surface course was washed off of the roadway and each of these sections had substantial embankment erosion. Temporary repairs utilizing the existing roadway materials have been performed to make the roadway passable. Permanent repairs are scheduled to be completed by a contractor Summer 2014. There is another roadway project in Emmonak so this work will most likely be added to that contract in order to capture the efficiencies of having a contractor onsite in a remote location.
Emmonak Airport Road	\$529,229	
Emmonak Airport Taxiway	\$550,315	Water washed out existing culvert and taxiway embankment. The existing runway lighting was also damaged as a result of the washout. M&O has replaced the existing culvert, reconstructed the embankment on the taxiway, completed necessary lighting repairs and the airport lighting is operational. During the taxiway reconstruction a portion of the apron was excavated and used to reconstruct the taxiway embankment. The work necessary to repair the apron back to its original condition still needs to be

		done.
Galena Campion Road MP 0.0 - 0.891	\$459,286	Initial onsite inspection 6/4/13. Reconstructed lane road access from Community of Galena to landfill. Roadway is open to traffic between Community of Galena and Airport as of 6/3/13. Currently developing construction contract to perform the remaining repairs.
Galena Campion Road MP 0.891 - 8.513 Flooding Due to Ice Jam	\$43,416	M&O initial onsite inspection 6/4/13. M&O reconstructed a one lane road access from Community of Galena to the Landfill. Roadway is open to traffic between Community of Galena and Airport as of 6/3/13. Currently developing construction contract to perform the remaining repairs with Contractor Forces.
Galena Local Assistance	\$2,632	Local assistance was requested to remove and haul debris from the Community of Galena to the local landfill.
Parks Highway MP 239 King Fisher Creek Boat Launch Erosion and Reconstruction	\$263,694	Need to remove and repair existing asphalt and excavate ditches to ensure proper drainage at this site. Need to reconstruct drainage channel along the public access so that future erosion of the facility doesn't occur. Anticipate contracting the repairs.
Richardson Highway MP 143.5	\$23,177	This culvert partially washed out causing a one lane roadway closure. The portion of the failed culvert has been repaired and M&O will perform the minimal stabilization work remaining at this site.

Richardson Highway MP 167 Gillespie Creek	\$24,931	Water overtopped the roadway causing embankment shoulder damage. During the high water the 5' diameter culverts (2 each) began to experience "piping" causing additional embankment and asphalt damage. These sites have been temporarily stabilized and are in a safe condition for travel. Repairs are anticipated to be sufficient until 2016 when there is a capitol reconstruction project for this portion of the Richardson Highway which is scheduled to widen and replace these culverts.
Richardson Highway MP 26 - 27 Ditchline Erosion	\$23,535	Approximately 1500' of substantial ditchline erosion occurred 2'-4' in depth immediately adjacent to the asphalt surface on the Richardson Highway. M&O reconstructed the ditchline.
Richardson Highway MP 29.9 Road Subsidence from Failed Culvert	\$185,185	M&O performed temporary patching during the flooding event. Contractor was hired to replace the failed culvert.
Salcha River Log Jam Removal	\$3,101	Due to the ice jam surge and high water debris there was a log jam on the west side of the bridge. M&O removed the log jam and completed the repairs.
Tok Cutoff MP 34.5 Sinona Creek	\$27,345	The roadway had extensive shoulder embankment damage and various approaches were damaged as a result of the flooding. M&O completed repairs to the shoulders and ditchlines.

TOTAL \$2,408,107

If this supplemental request is not approved, the department will not be able to complete the

necessary repairs and will have to identify other funds to cover the repairs costs performed to date. The lack of repairs may cause reduced safety for the traveling public and potentially increase future infrastructure damage.