

**National Highway System and Non-National Highway System Pavement and Bridge Reconstruction and Refurbishment**

**FY2017 Request: \$130,000,000**  
**Reference No: 38708**

**AP/AL:** Allocation **Project Type:** Renewal and Replacement  
**Category:** Transportation  
**Location:** Statewide **House District:** Statewide (HD 1-40)  
**Impact House District:** Statewide (HD 1-40) **Contact:** Mike Vigue  
**Estimated Project Dates:** 07/01/2016 - 06/30/2021 **Contact Phone:** (907)465-4070  
**Appropriation:** Surface Transportation Program

**Brief Summary and Statement of Need:**

This project is for performing crack sealing, surface treatment, refurbishment to drainage, signage, guardrail, illumination and other improvements (including reconstruction) that prolong the life of road pavements, embankments and bridges and their safety related features.

<b>Funding:</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Total</b>
1002 Fed Rcpts	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$780,000,000
<b>Total:</b>	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$130,000,000	\$780,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
9% = 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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

- Sec1 Ch38 SLA2015 P14 L27 SB26 \$84,920,000
- Sec1 Ch18 SLA2014 P75 L8 SB119 \$85,000,000
- Sec1 Ch16 SLA2013 P89 L8 SB18 \$25,000,000
- Sec1 Ch16 SLA2013 P92 L31 SB18 \$15,000,000
- Sec1 Ch16 SLA2013 P94 L21 SB18 \$5,000,000
- Sec1 Ch17 SLA2012 P143 L25 SB160 \$20,000,000
- Sec1 Ch17 SLA2012 P147 L8 SB160 \$10,000,000
- Sec1 Ch17 SLA2012 P148 L9 SB160 \$5,000,000
- Sec1 Ch5 SLA2011 P113 L32 SB46 \$32,000,000
- Sec1 Ch5 SLA2011 P115 L20 SB46 \$5,000,000
- Sec7 Ch43 SLA2010 P45 L18 SB230 \$20,000,000
- Sec7 Ch43 SLA2010 P49 L18 SB230 \$25,000,000
- Sec7 Ch43 SLA2010 P51 L10 SB230 \$2,000,000

**Project Description/Justification:**

This is a federally-funded project that provides for preventative maintenance activities that demonstrate a cost-effective means of extending the useful life of a federal-aid highway. Preventive maintenance is a planned strategy of cost-effective treatments to an existing roadway system that

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preserves the system, retards future deterioration, and maintains or improves the functional condition of the system without significantly increasing structural capacity.

To meet the growing travel demand and the public's expectations for safety, ride quality, and traffic flow, highway agencies across the country are redefining their objectives to focus on activities and strategies to preserve and maintain existing highway systems, instead of the typical strategy of fixing the worst first. The proactive approach of preventive maintenance cuts the need for costly, time-consuming rehabilitation and reconstruction projects and reduces associated traffic disruptions. As a result, the public will see improved mobility, reduced congestion, and safer, smoother, longer-lasting pavements.

Preventative maintenance includes restoration or rehabilitation of specific elements of a highway facility when it can be demonstrated that such activities are a cost-effective means of extending the pavement life. In general, any work which provides additional pavement structural capacity, prevents the intrusion of water into the pavement or pavement base, provides for removal of water that is in the pavement or pavement base, restores pavement rideability, or prevents the deterioration of bridges is considered to be work which extends the service life of the highway. The Alaska Department of Transportation and Public Facilities uses preventive maintenance funding to perform roadway activities such as chip sealing, pavement overlays, milling, profiling, and micro-surfacing; seal coats, joint seals, and crack seals; shoulder repair; restoration of drainage systems; and bridge activities such as deck rehabilitation or repair, deck drain cleaning, crack sealing, joint repair, seismic retrofit, scour countermeasures, and painting. Although specifically noting pavement and bridge preservation, this program also allows for the upgrading and replacement of existing drainage systems, guardrail, illumination, and other safety related structures. Highway striping is also funded under this program.