

**Ted Stevens Anchorage International Airport - Runway 7R Concrete Spall Repairs**      **FY2015 Request: \$9,050,000**  
**Reference No: 56936**

**AP/AL:** Allocation      **Project Type:** Construction  
**Category:** Transportation  
**Location:** Anchorage Areawide      **House District:** Anchorage Areawide (HD 11-27)  
**Impact House District:** Anchorage Areawide (HD 11-27)      **Contact:** Steven Hatter  
**Estimated Project Dates:** 07/01/2014 - 06/30/2019      **Contact Phone:** (907)269-0730  
**Appropriation:** Airport Improvement Program

**Brief Summary and Statement of Need:**

Repair spalled concrete at edges of concrete panels on runway (R/W) 7R. Repair will consist of saw-cutting and chipping out damaged edges and repairing with a combination of epoxy and cement mortars. After concrete repair, the adjacent joint sealant damaged from the spalling and repair activity will be reinstalled. Total length of edge repair and joint seal replacement is approximately 6,000 feet.

<b>Funding:</b>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>Total</u>
Int Airprt	\$9,050,000						\$9,050,000
<b>Total:</b>	\$9,050,000	\$0	\$0	\$0	\$0	\$0	\$9,050,000

<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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

Sec1 Ch16 SLA2013 P86 L8 SB18 \$2,000,000

**Project Description/Justification:**

R/W 7R concrete was installed in 2011. Since then there has been significant spalling of concrete at the panel edges. A concrete expert tested and evaluated the possible cause, but did not find conclusive evidence to place responsibility on the construction contractor.

The need to repair the spalled concrete is driven by the need to have intact, functioning, joint seals between the concrete panels. The seals in the areas of the spalled concrete cannot be reinstalled to be effective without repairing the concrete. Without effective seals, water will accumulate between the concrete panels and in the gravel immediately below the panel, potentially cause damage directly to the concrete and heaving of the concrete panels when that water freezes. That water itself also will potentially weaken the soil below the concrete.