

Statewide: Hightower Lighting System Replacement**FY2005 Request: \$3,400,000****Reference No: 36520****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Statewide**Contact:** John MacKinnon**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-6973**Estimated Project Dates:** 07/01/2004 - 06/30/2009**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

This project will replace hightower lighting systems with known safety concerns at the following locations: Seward Hwy at Huffman, Minnesota Dr at C St, Minnesota Dr at 100th, Minnesota Dr at Raspberry, Minnesota Dr at International, Glenn Hwy at Muldoon, Glenn Hwy at Boniface, Glenn Hwy at Weigh Stations and Glenn Hwy at North Eagle River. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage.

Funding:	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>Total</u>
Fed Rcpts	\$3,400,000						\$3,400,000
Total:	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$3,400,000

<input checked="" 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
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
Totals:	0	0

Additional Information / Prior Funding History:

FY2003 - \$3,000,000; FY2002 - \$2,800,000.

Project Description/Justification:

In April 2000, the Seward Hightower Illumination Repair Project was let to rehabilitate fifteen highmast electroliers in Anchorage. Part of the proposed rehabilitation included the repair of longitudinal cracks in the seam welds. During the course of the project, additional cracks were found in some of the mid-span longitudinal seam welds. Cracking at the mid-span location was not a problem that had been previously identified. The masts were constructed of Corten steel (weathering steel) which is no longer approved by the Federal Highway Administration for use in tower lighting and there are new safety factors/standards for high tower masts and foundations.