

**Jim River (Dalton Highway) Maintenance Station  
Replacement**

**FY2009 Request: \$6,000,000**  
**Reference No: 39900**

**AP/AL:** Appropriation

**Project Type:** Health and Safety

**Category:** Transportation

**Location:** Evansville

**Contact:** Frank Richards

**House District:** Interior Villages (HD 6)

**Contact Phone:** (907)465-3900

**Estimated Project Dates:** 07/01/2008 - 06/30/2010

**Brief Summary and Statement of Need:**

The Jim River Maintenance Facility foundation, walls, and roof structure continue to deteriorate which will ultimately result in a total collapse of the facility. Repairs to the facility are not cost effective as attempts to stop the distress to the critical infrastructure have not been successful. This is a critical maintenance station for the Dalton Highway. This project contributes to the Department's Mission by providing the assets and facilities to enable delivery of state services and by reducing injuries, fatalities and property damage.

<b>Funding:</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
AK Cap Inc	\$6,000,000						\$6,000,000
<b>Total:</b>	<b>\$6,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,000,000</b>

<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
<u>One-Time Startup:</u>	<u>0</u>	<u>0</u>
Totals:	0	0

**Additional Information / Prior Funding History:**

None.

**Project Description/Justification:**

This shop has the same design as the Seven Mile Shop that collapsed on January 20th, 1995. Ongoing truss failures pose a risk to Departmental personnel. A structural inspection of the Jim River Maintenance Facility was performed by PDC Consulting Engineers in June 2004. This inspection revealed serious structural deficiencies with this facility, including ongoing foundation settlement and poorly designed roof trusses.

A renovation project took place at the Jim River shop in 1987, several roof trusses were repaired as well as other structural repairs. A passive refrigeration system was installed under the facility, however, it has been insufficient to stop the settlement. It is not clear that there is a long-term solution to the ongoing settlement and distress to this facility. As the distress continues, eventually the tilt of the east exterior bearing wall and the north/south mezzanine walls could result in a collapse of the facility similar to the Seven Mile Maintenance Station collapse.

Construction cost per square foot in the Northern Region is \$425. A new shop was built at Chandalar in FY07, construction cost was \$5.4 Million. The anticipated cost to construct a similar 9,600 square foot shop, after completion of the site work and foundation is \$6 million.