

**Congestion Mitigation and Air Quality (CMAQ) - PM 2.5 Reductions**

**FY2011 Request: \$1,879,000**  
**Reference No: 43313**

**AP/AL:** Allocation **Project Type:** Life / Health / Safety  
**Category:** Transportation  
**Location:** Fairbanks Areawide **Contact:** Frank Richards  
**House District:** Fairbanks Areawide (HD 7-11) **Contact Phone:** (907)465-3900  
**Estimated Project Dates:** 07/01/2010 - 06/30/2014  
**Appropriation:** Surface Transportation Program

**Brief Summary and Statement of Need:**

Monitor and analyze the Particulate Matter (PM) 2.5 air quality in the Fairbanks Metropolitan Area Transportation Systems (FMATS) Metropolitan Planning Organization (MPO) to determine the contribution from mobile (transportation related) and stationary sources, define the boundary of area exceeding National Ambient Air Quality Standards (NAAQS) and document potential high concentration areas and their causes. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

<b>Funding:</b>	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	Total
Fed Rcpts	\$1,879,000						\$1,879,000
<b>Total:</b>	<b>\$1,879,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,879,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" 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>

**Additional Information / Prior Funding History:**

FY2010 - \$1,160,000; FY2008 - \$910,000.

**Project Description/Justification:**

Fairbanks currently experiences 25 - 30 days per year with measured PM 2.5 concentrations in excess of the NAAQS. Excessive PM 2.5 concentrations are linked to increased human health issues. Diesel and gasoline powered vehicles are among the suspected emission sources. Definitive information on the aerial extent, severity and specific source contributions is required to make informed decisions on reduction efforts. The Fairbanks North Star Borough and the Department of Environmental Conservation will need monitoring results to implement an effective PM 2.5 State Improvement Plan if Fairbanks is designated a PM 2.5 non-attainment area.