

Anchorage: Traffic Control Signalization**FY2006 Request: \$440,000****Reference No: AMD 39107****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Anchorage Areawide**Contact:** John MacKinnon**House District:** Anchorage Areawide (HD 17-32) **Contact Phone:** (907)465-6973**Estimated Project Dates:** 07/01/2005 - 06/30/2010**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

Update signal timing plans to address intersection congestion and improve air quality. Existing corridor timing plans will be evaluated and refined. Funding will also support development of a Traffic Management Center. The revised timing plans will include emergency vehicle pre-emption technology where appropriate and possibly incorporate technology that gives traffic signal priority to public transit vehicles. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>Total</u>
Fed Rcpts	\$440,000						\$440,000
Total:	\$440,000	\$0	\$0	\$0	\$0	\$0	\$440,000

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

FY2005 - \$300,000. Per the Department's new cost sharing policy, the community must provide the match for this project.

Project Description/Justification:

The program would allow the Municipality of Anchorage (MOA) to be more proactive in improving their traffic signal system by updating signal timing plans. Improving signal timing is often one of the most cost efficient means of improving air quality by reducing congestion. As the number of signals has increased, better traffic signal coordination is necessary. This program will allow a more proactive evaluation of traffic corridors to improve flow. Decreased congestion will improve the signal operations and response time for both emergency and public transit vehicles. Signal pre-emption and priority capabilities will also be evaluated. The Municipality is working with the Anchorage Fire Department to expand locations where emergency preemption technology is installed and activated. If instituted, public transit priority may allow transit vehicles to more consistently maintain their schedule when faced with uncommon traffic incidents. Traffic signal priority capabilities could, minimally, allow buses to alter the signal timing for a cycle and move through intersections more efficiently.