

Statewide: Maintenance Management System**FY2003 Request: \$1,670,000****Reference No: 35917****AP/AL:** Allocation**Project Type:** Information Systems**Category:** Transportation**Location:** Statewide**Contact:** Frank Richards**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-3906**Estimated Project Dates:** 07/01/2002 - 06/30/2007**Appropriation:** AMD: Surface Transportation Program**Brief Summary and Statement of Need:**

To provide DOT&PF with a tool to comply with Government Accounting Standards Board Statement Number 34 (GASB 34) reporting requirements for transportation infrastructure. GASB 34 requires documentation of maintenance and preservation activities on Alaska's highways, airports, and ports and identification of the systems' overall condition and level of service provided. Alaska must begin providing transportation asset expenditures and condition assessments on the State's annual financial statements beginning in 2003.

Funding:	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>Total</u>
Fed Rcpts	\$1,670,000						\$1,670,000
Total:	\$1,670,000	\$0	\$0	\$0	\$0	\$0	\$1,670,000

<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:

None.

Project Description/Justification:

Proposed Telecommunications Capital Project Review Form FY2003
 Telecommunications Information Council Policy Committee
 Technical Advisory Committee

1. Has this project been previously approved by TIC/TAC? Yes ___ No X If yes, and there are no significant changes to funding amounts or technologies there is no need to continue with this form. Please copy last year's final capital budget back-up here as your submission for FY2003.

2. What is the purpose of the project?

To provide DOT&PF with a tool to comply with Government Accounting Standards Board Statement Number 34 (GASB 34) reporting requirements for transportation infrastructure. GASB 34 requires documentation of maintenance and preservation activities on Alaska's highways, airports, and ports and identification of the systems' overall condition and level of service provided. Alaska must begin providing transportation asset expenditures and condition assessments on the State's annual financial statements beginning in 2003. States that do not comply with GASB 34 reporting

Statewide: Maintenance Management System

FY2003 Request: \$1,670,000

Reference No: 35917

requirements could see their bond ratings lowered by the financial markets. Lower bond ratings will result in higher interest costs for the State and adversely affect future bond packages.

By purchasing a Maintenance Management System (specifically designed for linear transportation assets like highways and bridges), designing new modules for feature inventory and condition assessment of state assets, installation on the State server, training of M&O personnel, deployment of a system to all department maintenance stations, and purchase of follow on technical support, the department will be able to comply with GASB 34. The maintenance management system will track linear features like roads, airports, ports and bridges. The system will report the assets by latitude and longitude and allow sharing of the Geographical Information System mapping of the asset with the public via the internet. DOT&PF completed a feasibility study to decide the proper approach for selection of a maintenance management system. The outcome of that effort was to focus on acquiring a system that was designed specifically for linear assets as compared to other commercial maintenance management software that are designed for manufacturing, warehouse or equipment assets. This will allow for rapid deployment to meet the aggressive schedule to comply with GASB 34.

Project cost:	Capital:			Annual O&M costs or savings
	Prior Years:	FY 2002:	FY 2003:	
General Funds				
General Fund Match			\$165,315.00	
General Fund Program Receipts				
I/A Receipts (dept. and fund source)				
Other Funds (name and fund number)				
Federal Funds			\$1,665,416.00	
Total			\$1,830,731.00	

3. Is this a new systems development project? Yes. Upgrade or enhancement to existing department capabilities? _____.

4. Specifically, what hardware, software, consulting services, or other items will be purchased with this expenditure? (Include a line item breakdown.)

- Phase 2**
- Task 2 - Prepare or Update Manuals and Documentation \$131,671
- Task 3 - Prepare or Update Training Materials \$114,475
- Task 4 - Develop Test Plans and Conduct Unit and System Testing \$89,443
- Task 5 - Establish Pilot Test Program \$85,768
- Task 6 - Develop Training Plan and Schedule for Phase 3 \$19,750
- Task 7 - Make Necessary Adjustments Based on Pilot Findings \$101,617
- Phase 3**
- Task 1 - Rollout New MMS – Anchorage \$62,760
- Task 2 - Prepare for Fairbanks Rollout \$17,423
- Phase 4**
- Task 1 - Rollout New MMS – Fairbanks \$76,596
- Task 2 - Prepare for Juneau Rollout \$17,423
- Phase 5**
- Task 1 - Rollout New MMS – Juneau \$62,760
- Task 2 - Formalize System Turnover \$18,654
- Phase 6**
- Task 1 - Provide Project Management \$72,112

Statewide: Maintenance Management System**FY2003 Request: \$1,670,000**
Reference No: 35917**Phase 7**

Task 1 - Provide On Site Post Implementation Support \$185,707

Phase 8

Task 1 - Provide Support Services \$161,935

Other Cost

Project Manager Salary & Benefits \$75,137

Computer Hardware/software \$185,000

Field PC's where not available

Travel \$112,500

Communications Hardware/Software \$187,500

(No new server required)

Hard drive additions to server

Memory upgrade to server

Thin client communications software

Thin client license for the servers

Personnel Services State Employees \$52,500

Grand Total \$1,830,731

5. How will service to the public measurably improve if this project is funded?

By providing accurate tracking of level of services including materials used, personnel hours and equipment cost, the public will have a clearer understanding of the cost of providing safe roads, airports and ports. The department will also be able to better identify:

- the level of service being provided
- performance measurement used
- budget planning method
- the impact changes to the budget will have on the level of service

6. Does project affect the way in which other public agencies will conduct their business?

Yes. The system will allow for reduction of paperwork and clerical effort. It will provide managers in DOT&PF real time information and budget tracking. And it will provide the Legislature with accurate and consistent information of the level of service provided to the public.

7. What are the potential out-year cost implications if this project is approved? (Bandwidth requirements, etc.) We project that the information tracking will allow managers to reduce expenditures. The existing server will support network requirements with communications, hard drive and software upgrades. Additional hardware i.e. new desktop workstations and handheld computers may be required depending on the consultant's recommendation.

8. What will happen if the project is not approved?

M&O operations will continue the current manner of business with no way to accurately track and report federal dollars expended or complying with GASB 34 requirements. The State could receive a reduced financial rating. The state would then pay a higher interest rate on its loans resulting in less money to continue maintenance of the infrastructure. The level of service to the public will deteriorate. The time sheet for M&O will not be automated and redundant paperwork will continue.