

Land Mobile Radio Migration

FY2001 Request: \$1,200,000
Reference No: 32443

AP/AL: Appropriation **Project Type:** Information Systems
Category: General Government
Location: Statewide **Contact:** Mark Badger
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-5735
Estimated Project Dates: 07/01/2000 - 06/30/2005

Brief Summary and Statement of Need:

This project will continue the process of converting state systems to allow interoperability of two-way radio resources at the federal, state, and local levels so that response to life threatening situations can be quick and efficient; as well as to meet FCC requirements for radio communications.

Funding:	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>Total</u>
Fed Rcpts	\$350,000						\$350,000
Gen Fund	\$850,000						\$850,000
Total:	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going
100% = 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	
Totals:	0	0

Additional Information / Prior Funding History:

In the FY1998 budget the division received \$485.0 of Capital Improvement Project receipts for implementation of Phase I of this project.

Project Description/Justification:

Proposed Telecommunications Capital Project Review Form FY2001
Telecommunications Information Council Policy Committee
Technical Advisory Committee

Department: Administration

Division: Information Technology Group

Project Title: Land Mobile Radio Migration

1. Has this project been previously approved by TIC/TAC? If yes, and there are no significant changes to funding amounts or technologies there is no need to continue with this form. Please forward a copy of last year's final capital budget back-up as your submission for this fiscal year.
Yes. In the FY1998 CIP the division received \$485.0 for implementation of Phase I of this project. The original request was for \$1,000.0 in Year 1 with increments of \$150.0 over Years 3-6.

2. What is the purpose of the project?:
Routine public safety work requires effective coordination and communication with other police agencies, fire departments, emergency medical services, and public service organizations. High profile incidents - such as bombings,

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plane crashes, and natural disasters such as the Miller's Reach fire - test the ability of public safety and public service organizations to mount a well-coordinated response. Interoperability, the ability of different agencies to communicate across jurisdictions with each other, often depends on wireless radio communication systems.

This project will continue the process of converting state systems to allow interoperability of two-way radio resources at the federal, state, and local levels so that response to life threatening situations can be quick and efficient; as well as to meet FCC requirements for radio communications.

Project cost:	Capital:			Annual O&M
Prior Years:	FY 1998	FY 2001:	FY 2002:	costs or savings
General Funds	\$485.0	\$1,200.0		
General Fund Match				
General Fund Program Receipts				
I/A Receipts (dept. and fund source)				
Other Funds				
Federal Funds				

Total

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

4. Specifically, what hardware, software, consulting services, or other items will be purchased with this expenditure? This request will pay for necessary additional equipment and software, and professional services needed to provide for an upgrade to a gateway controller solution.

5. How will service to the public measurably improve if this project is funded? It will enhance the state's ability to respond to public safety, emergency medical, and fire response situations.

6. How does project fit into the long-range technology plans for your department and the technology goals of the Knowles/Ulmer administration? (They are: Improve public access to information; Maximize service to the public through voice, video and data systems; Optimize government efficiencies; Explore innovating and cost-effective services that meet Alaska's challenges; Stimulate the development of private and public services.)

This project represents the state's continuing participation in the joint Land Mobile Radio (LMR) planning group which is working toward a statewide frequency migration plan to allow for future interoperability between federal, state, and municipal emergency response agencies.

Radio spectrum is a limited resource. Recent decisions by the FCC regarding radio/wireless spectrum use and availability will require migration from the current licensed frequencies to new narrowband spectrums.

This project is included in the state's Telecommunications Plan adopted by the TIC on December 18, 1996.

7. Does project affect the way in which other public agencies will conduct their business? Yes. Public safety agencies that presently utilize two-way radio will be able to avail themselves of this new narrowband technology. As the system is implemented, these agencies and users of two-way radio will be able to budget accordingly for transition of their two-way radios to this new technology.

8. What are the potential out-year cost implications if this project is approved? (Bandwidth requirements, etc.) This system is required to meet new federal regulations as well as conserve bandwidth. It is not know what growth and costs associated with expanded use will be but it is not anticipated that costs for bandwidth will be an abnormal consideration. This project will assist agencies migrate their current analog radios to digital which will be an associated cost.

9. What will happen if the project is not approved? If this project is not approved, transitioning to the new narrowband technologies will be delayed or halted. The existing radio infrastructure and equipment in Alaska has been in place for several decades. The State must move to the new technologies to avoid obsolescence.

10. Attachments - submit to OMB
FY2000 CIP Request Attached
LAND MOBILE RADIO MIGRATION \$850.0 GF, \$350.0 Federal

HOW DOES THIS PROJECT SOLVE THE AGENCY'S Y2K PROBLEMS?

This is not a Y2K project.

IS THIS REQUEST ON YOUR AGENCY'S Y2K WORK PLAN?

No

HAS THIS PROJECT BEEN PREVIOUSLY APPROVED BY TIC/TAC?

Yes. In the FY1998 CIP the division received \$485.0 for implementation of Phase I of this project.

WHAT IS THE PURPOSE OF THE PROJECT?

Routine public safety work requires effective coordination and communication with other police agencies, fire departments, emergency medical services, and public service organizations. High profile incidents - such as bombings, plane crashes, and natural disasters such as the Miller's Reach fire - test the ability of public safety and public service organizations to mount a well-coordinated response. Interoperability, the ability of different agencies to communicate across jurisdictions with each other, often depends on wireless radio communication systems.

This project will continue the process of converting state systems to allow interoperability of two-way radio resources at the federal, state, and local levels so that response to life threatening situations can be quick and efficient; as well as to meet FCC requirements for radio communications.

PROJECT COST PAST/PRESENT/FUTURE?

FY1998 request \$485.0
FY2001 request \$1,200.0

IS THIS A NEW SYSTEMS DEVELOPMENT PROJECT, UPGRADE, OR ENHANCEMENT?

This project was started in FY1998.

WHAT SPECIFIC HARDWARE/SOFTWARE/CONSULTING/ETC. WILL BE PURCHASED?

This request will pay for necessary additional equipment and software, and professional services needed to provide for an upgrade to a gateway controller solution.

HOW WILL SERVICE TO THE PUBLIC IMPROVE IF THIS PROJECT IS FUNDED?

It will enhance the state's ability to respond to public safety, emergency medical, and fire response situations.

HOW DOES THE PROJECT FIT INTO THE DEPARTMENT'S LONG-RANGE TECHNOLOGY PLANS?

This project represents the state's continuing participation in the joint LMR planning group which is working toward a statewide frequency migration plan to allow for future interoperability between federal, state, and municipal emergency response agencies.

Radio spectrum is a limited resource. Recent decisions by the FCC regarding radio/wireless spectrum use and availability will require migration from the current licensed frequencies to new narrowband spectrums.

HOW DOES THE PROJECT FIT INTO THE TECHNOLOGY GOALS OF THE KNOWLES/ULMER ADMINISTRATION?

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(They are: Improve public access to information; Maximize service to the public through voice, video and data systems; Optimize government efficiencies; Explore innovating and cost-effective services that meet Alaska's challenges; Stimulate the development of private and public services.)

This project is included in the state's Telecommunications Plan adopted by the TIC on December 18, 1996.

DOES THE PROJECT AFFECT THE WAY IN WHICH OTHER PUBLIC AGENCIES WILL CONDUCT THEIR BUSINESS?

Yes. Public safety agencies that presently utilize two-way radio will be able to avail themselves of this new narrowband technology. As the system is implemented, these agencies and users of two-way radio will be able to budget accordingly for transition of their two-way radios to this new technology.

WHAT, IF ANY, IMPACTS ARE ANTICIPATED TO ITG SERVICES?

This project will ensure ITG services can be maintained at the level requested by agencies.

WHAT HAPPENS IF THE PROJECT IS NOT APPROVED?

If this project is not approved, transitioning to the new narrowband technologies will be delayed or halted. The existing radio infrastructure and equipment in Alaska has been in place for several decades. The State must move to the new technologies to avoid obsolescence.

If funded, this project will be coordinated with the following FY2001 capital budget requests:

DMVA

- Integrated Emergency Telecom Infrastructure, \$75.0 General Fund
- Emergency Rescue Coordination Infrastructure, \$133.7 General Fund.
- Emergency Wireless Communications, \$71.2 General Fund.

DPS

- Southeast Communications Upgrade, \$400.4, of this amount \$350.4 General Fund and \$50.0 Oil/Hazardous Response Fund

HSS

- EMS Communications - Phase 2, \$241.6 General Fund