

AWT Navigation Data Storage Project**FY2010 Request: \$125,000****Reference No: 47081****AP/AL:** Appropriation**Project Type:** Information Technology / Systems / Communication**Category:** Public Protection**Location:** Statewide**Contact:** Dan Spencer, Director, Administrative Services**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-5488**Estimated Project Dates:** 07/01/2009 - 06/30/2012**Brief Summary and Statement of Need:**

The Department of Public Safety requests funds for mapping and navigational waypoints for off-road airport runways throughout Alaska. This computer database will store GPS coordinates and other information for remote landing areas for current, new, and future troopers to use for search and rescue missions as well as wildlife enforcement.

Funding:	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>Total</u>
Gen Fund	\$125,000						\$125,000
Total:	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000

<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>	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The Navigational Data System (NDS) is equivalent to street navigation built into many global positioning system (GPS) units. The NDS would be a data base or central clearing system capturing user waypoints and information from a location, and being able to share it with another GPS user. There are thousands of waypoints in Alaska such as a guide camps, a cabin in the wilderness, a pass through the mountains, etc; the possibilities are endless. Once the waypoint is stored in the NDS, a second GPS user can download the information into their GPS unit and go right to that location. The NDS would provide latitudes/longitudes, pictures of the runway's conditions such as type and length, and what there is at that location. Information sharing with other users is the core theme behind NDS.

An example envisioned for NDS is a trooper going to the Alaska Peninsula for a spring bear patrol who has never been there before. By downloading data from the NDS, he/she could find all the guide camps, mountain passes, landing strips, fuel caches, remote cabins, unnamed rivers, and remote strips without previously ever being on the Alaska Peninsula. The NDS would provide an effective tool for information sharing, search and rescues, and patrols.

