

Agency: Department of Natural Resources

Project Title:

Project Type: Information Systems and Technology

Statewide Digital Map Initiative / Elevation Component

State Funding Requested: \$5,200,000

House District: Statewide (1-40)

Future Funding May Be Requested

Brief Project Description:

State and federal agencies have a multitude of requirements that cannot be achieved without an accurate digital base map. The largest component of the SDMI is the collection, acquisition and processing of accurate elevation data co-registered to satellite imagery.

Funding Plan:

Total Project Cost:	\$82,943,378
Funding Already Secured:	(\$32,478,378)
FY2015 State Funding Request:	<u>(\$5,200,000)</u>
Project Deficit:	\$45,265,000

Funding Details:
 This is the 2015 phase of a multi-year, multi-agency state and federal project to provide a standards based statewide terrain and surface map of Alaska. Anticipated Fed funds this year are \$13,305,000. FY2016 and FY2017 state expenditures of \$3,700,000 each year will leverage the balance of the Federal funding on a 3 for 1 basis and result in the first accurate statewide digital map of Alaska.

Detailed Project Description and Justification:

Accurate geospatial data is foundational to infrastructure development, resource and economic development; the preservation of human life (disaster response, mitigation and recovery), and the advancement of physical science. Aviation safety, energy development, resource assessments, flood plain management, and a long list of other mission critical government services rely upon responsible geospatial data. Remarkably, modern mapping information does not exist over the majority of Alaska, where significant resource, safety and national security interests intersect. Alaska lacks a statewide digital elevation dataset of any kind. "In short Alaska lacks the basic geospatial infrastructure considered essential for conducting business in the rest of the United States" --USGS.

Current breakdown of joint Federal State spending on this multi-year, multi-agency project is detailed below:

FUNDING:PRIORITYrs	FY2015	FY2016	FY2017	Total	%
ELEVATION:					
Federal	\$19,190,000	\$ 7,605,000	\$ 7,605,000	\$ 7,605,000	\$42,005,000 33%
Gen Fund (CIP)	9,790,000	3,700,000	3,700,000	3,700,000	20,890,000 67%
TTL ELEVATION	\$28,890,000	\$11,305,000	\$11,305,000	\$11,305,000	\$62,895,000 100%
AK/US-TOPO:					
Federal/USGS	358,378	\$ 3,250,000	\$3,250,000	\$3,250,000	\$10,108,378 100%

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\$5,000,000
 Approved

11:55 AM 5/13/2014

Total Project Snapshot Report

2014 Legislature

TPS Report 62331v2

Gen Fund (CIP)	0	0	0	0	0	0%
TTL USTOPOS\$	358,378	\$3,250,000	\$3,250,000	\$3,250,000	\$10,108,378	100%

GRAV-D:

Federal/NOAA \$	3,140,000\$	950,000\$	950,000	\$1,900,000\$	6,940,000	100%
Gen Fund (CIP)	0	0	0	0	0	0%
TTL GRAV-D\$	3,140,000\$	950,000\$	950,000	\$1,900,000\$	6,940,000	100%

REFRESH:

Federal\$	1,500,000\$	0 \$	0	1,500,000	50%
Gen Fund (CIP)	1,500,000	0	0	1,500,000	50%
TTL IMAGERY\$	3,000,000\$	0\$	0	3,000,000	100%

TOTAL:\$32,478,378	\$18,505,000	\$15,505,000	\$16,455,000	\$82,943,378		
Gen Fund (CIP)	9,790,000	5,200,000	3,700,000	3,700,000	22,390,000	27%
Federal	22,688,378	13,305,000	11,805,000	12,755,000	60,553,378	73%

Future Federal funding as noted above is largely programmed. Additional federal funding is highly anticipated. A joint multi-Federal agency request has been submitted to Federal OMB for inclusion in the 2015 Presidential budget. This project was included in the 2014 Presidential budget.

This project is being carried out under the auspices of the Statewide Digital Mapping Initiative (SDMI) Executive Committee. The SDMI consists of the DNR, DMVA, DOT&PF, DEC, DF&G, and DECD.

Prior intergovernmental funding for mapping AK by individual federal agencies is too broad and extensive to meet the character quota allowed for this section. However, Federal contributions have consistently been derived from the Dept of Interior: US Geological Survey, Bureau of Land Management, National Park Service, Bureau of Ocean Energy & Mgt., and US Fish and Wildlife Service; US Dept. of Agriculture: National Resource Conservation Service & US Forest Service; Dept. of Defense: National Geospatial-Intelligence Agency. Dept. of Commerce: National Oceanographic & Atmospheric Administration.

Project Timeline:

It is anticipated that the joint Federal State Project will be complete after the 2017 funding cycle if funding continues. We anticipate continued funding at a 75% Federal and 25% State GF ratio.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

NA

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No

Contact Name: Genevieve
Contact Number: 465-1881

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