

State of Alaska FY2004 Governor's Operating Budget

Department of Transportation/Public Facilities Northern Design and Engineering Services Component Budget Summary

Component: Northern Design and Engineering Services

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Component Mission

The mission of Design and Engineering Services is to develop projects that improve Alaska's transportation and public facilities infrastructure. The Division also provides a wide range of technical services to the Department, other state and federal agencies, local governments and the public.

Component Services Provided

A full suite of design services is provided in the regional offices: preliminary design and environmental, traffic and safety, materials, surveying, right-of-way, utilities, and design. Each project is taken from the planning stage to final preparation of plans, specifications and estimates, and technical assistance is provided during construction. Environmental compliance services are provided during construction, maintenance and operations of facilities. Design assistance, traffic speed studies, accident analysis, hydrological studies, materials testing, surveying, and the processing of utility, right-of-way and traffic permits are also provided to other state and federal agencies, local governments and the public.

Component Goals and Strategies

- To develop projects in the capital budget according to the timing and at the funding levels contained in the Department's planning documents and to ensure that the division is capable of producing at least 50% of the design work necessary for the program. Retaining the in-house ability to perform the core functions of project delivery enables the department to respond to needs rapidly and is necessary to effectively manage consultants performing these same functions.
- Use consultants to provide specialized technical services such as photogrammetry, design of corrosion protection, hydrology, underwater inspections and environmental site assessments.
- Continue to develop positive working relationships with resource agencies that issue permits for Department projects such as the Corps of Engineers, U.S. Fish and Wildlife, the Department of Fish and Game, the Department of Environmental Conservation, the Environmental Protection Agency, and others.
- Participate in the development of the Department's planning documents so that the resulting scope, schedule and budget are consistent with good engineering practices and practical to implement.
- Further implement management reporting systems for projects to improve the coordination of resources, priorities, cost, scope and standards.
- Provide the following technical services: design assistance; traffic speed studies; permits; bridge inspections; materials testing; the processing of utility, right-of-way and traffic permits; preparation of environmental documents. These services are provided to other department divisions, other state and federal agencies and to local governments.
- Assist the public and businesses with permits for right-of-way use, utilities, lane closures, special events, driveways and signs in an efficient and service-oriented manner.

Key Component Issues for FY2003 – 2004

- Section 1309 of the Transportation Equity Act for the 21st Century calls for a coordinated environmental review process to expedite federal highway and transit projects. Environmental streamlining efforts are underway nationwide. Negotiations for the state's streamlining agreements must take place to reflect Alaska's unique conditions. The initiative has two major areas of emphasis: protecting and enhancing environmental quality and reducing project delays.

- Continual improvements in technology, equipment, education and training are making the process of designing and constructing projects easier and more efficient. At the same time the processes related to obtaining the necessary approvals to build a project are becoming more difficult. Changes in public values related to how transportation decisions affect the natural environment and a community's quality of life call for a new and more adept approach. Nationally state DOT's are embracing Environmental Stewardship concurrent with Environmental Streamlining as a more informed and effective approach to obtaining public and agency support for projects. The Division is reviewing how we do business from a stewardship perspective and this issue will develop significantly over the next fiscal year.
- The division recently completed a comprehensive overhaul of the department's right-of-way regulations, policies and procedures culminating in a new on-line system for permitting. In this next fiscal year we intend to add utility permitting to the on-line system. We have begun a review of our utility regulations, policies and procedures and will be making any needed improvements concurrent with the on-line utility permitting.
(<http://www.dot.state.ak.us/permits/index.html>)
- The Department continues to support various methods to reduce pavement rutting. The Division is responsible for improved pavement designs and providing technical assistance to the legislature on bills related to studded tire wear.
- As the Division continues to increase reliance on private sector consultants, services previously provided by just Division staff must be looked at for possible private sector contracting. The negotiation and acquisition of land under eminent domain, utility relocation agreements, deep foundation drilling are examples of services that need to be contracted with a careful and cautious approach.

Major Component Accomplishments in 2002

- The Division delivered a comprehensive program of bid ready designs and contract documents for projects across the state. The Division's performance placed the Department in a position to receive an additional \$4.1 million in Federal Highway Administration funding, compared to an additional \$2.2 million in FY2001. The additional funds were available because other states were not as well prepared and were unable to obligate their full allocation of federal-aid.

Statutory and Regulatory Authority

AS 02.15, AS 08.48, AS 08.87, AS 19, AS 34.60, AS 35, AS 36, AS 44.42, AS 44.62, 17 AAC 15, CFR 14 Aeronautics, CFR 15 Environment, CFR 16 Environment, CFR 23 Highways, CFR 33 Environment, CFR 41 Contracts, CFR 42 Environment/ADA, CFR 43 Lands, CFR 49 Transportation.

Northern Design and Engineering Services
Component Financial Summary

All dollars in thousands

| | FY2002 Actuals | FY2003 Authorized | FY2004 Governor |
|--|-----------------|-------------------|-----------------|
| Non-Formula Program: | | | |
| Component Expenditures: | | | |
| 71000 Personal Services | 9,620.7 | 10,473.4 | 10,718.5 |
| 72000 Travel | 66.9 | 30.6 | 30.6 |
| 73000 Contractual | 228.0 | 160.0 | 150.1 |
| 74000 Supplies | 163.6 | 148.2 | 148.2 |
| 75000 Equipment | 0.0 | 0.0 | 0.0 |
| 76000 Land/Buildings | 0.0 | 0.0 | 0.0 |
| 77000 Grants, Claims | 0.0 | 0.0 | 0.0 |
| 78000 Miscellaneous | 0.0 | 0.0 | 0.0 |
| Expenditure Totals | 10,079.2 | 10,812.2 | 11,047.4 |
| Funding Sources: | | | |
| 1004 General Fund Receipts | 144.4 | 135.5 | 125.6 |
| 1005 General Fund/Program Receipts | 67.1 | 0.0 | 0.0 |
| 1007 Inter-Agency Receipts | 32.1 | 86.1 | 86.8 |
| 1061 Capital Improvement Project Receipts | 9,757.0 | 10,383.2 | 10,667.0 |
| 1108 Statutory Designated Program Receipts | 78.6 | 86.2 | 87.2 |
| 1156 Receipt Supported Services | 0.0 | 121.2 | 80.8 |
| Funding Totals | 10,079.2 | 10,812.2 | 11,047.4 |

**Northern Design and Engineering Services
Proposed Changes in Levels of Service for FY2004**

None.

**Summary of Component Budget Changes
From FY2003 Authorized to FY2004 Governor**

All dollars in thousands

| | <u>General Funds</u> | <u>Federal Funds</u> | <u>Other Funds</u> | <u>Total Funds</u> |
|---|----------------------|----------------------|--------------------|--------------------|
| FY2003 Authorized | 135.5 | 0.0 | 10,676.7 | 10,812.2 |
| Adjustments which will continue current level of service: | | | | |
| -Annualize FY2003 COLA increase for General Government, Confidential and Supervisory Bargaining Units | 0.0 | 0.0 | 125.9 | 125.9 |
| Proposed budget decreases: | | | | |
| -Reduce training and education | -9.9 | 0.0 | 0.0 | -9.9 |
| -Reduce excess receipt support services authority | 0.0 | 0.0 | -41.2 | -41.2 |
| Proposed budget increases: | | | | |
| -Add CIP funding for capital project positions created in FY02 | 0.0 | 0.0 | 160.4 | 160.4 |
| FY2004 Governor | 125.6 | 0.0 | 10,921.8 | 11,047.4 |

Northern Design and Engineering Services

Personal Services Information

| | Authorized Positions | | Personal Services Costs | |
|---------------|------------------------------------|----------------------------------|----------------------------------|-------------------|
| | <u>FY2003</u> <u>Authorized</u> | <u>FY2004</u> <u>Governor</u> | | |
| Full-time | 122 | 123 | Annual Salaries | 8,108,167 |
| Part-time | 21 | 21 | Premium Pay | 361,228 |
| Nonpermanent | 0 | 0 | Annual Benefits | 2,873,757 |
| | | | <i>Less 5.51% Vacancy Factor</i> | (624,635) |
| | | | Lump Sum Premium Pay | 0 |
| Totals | 143 | 144 | Total Personal Services | 10,718,517 |

Position Classification Summary

| Job Class Title | Anchorage | Fairbanks | Juneau | Others | Total |
|-----------------------------|-----------|------------|----------|----------|------------|
| Administrative Assistant | 0 | 1 | 0 | 0 | 1 |
| Administrative Clerk II | 0 | 4 | 0 | 0 | 4 |
| Administrative Clerk III | 0 | 4 | 0 | 0 | 4 |
| Drafting Technician III | 0 | 7 | 0 | 0 | 7 |
| Driller Journey | 0 | 2 | 0 | 0 | 2 |
| Driller Sub Journey | 0 | 2 | 0 | 0 | 2 |
| Engineer/Architect I | 0 | 12 | 0 | 1 | 13 |
| Engineer/Architect II | 0 | 5 | 0 | 1 | 6 |
| Engineer/Architect III | 0 | 7 | 0 | 0 | 7 |
| Engineer/Architect IV | 0 | 3 | 0 | 0 | 3 |
| Engineer/Architect V | 0 | 1 | 0 | 0 | 1 |
| Engineering Assistant I | 0 | 3 | 0 | 0 | 3 |
| Engineering Assistant II | 0 | 9 | 0 | 2 | 11 |
| Engineering Assistant III | 0 | 17 | 0 | 4 | 21 |
| Engineering Associate | 0 | 2 | 0 | 0 | 2 |
| Engineering Geologist II | 0 | 3 | 0 | 0 | 3 |
| Engineering Geologist IV | 0 | 1 | 0 | 0 | 1 |
| Environmental Analyst II | 0 | 5 | 0 | 0 | 5 |
| Environmental Analyst III | 0 | 4 | 0 | 0 | 4 |
| Environmental Coordinator | 0 | 1 | 0 | 0 | 1 |
| Land Surveyor I | 0 | 2 | 0 | 0 | 2 |
| Land Surveyor II | 0 | 1 | 0 | 0 | 1 |
| Matlab Tech Journey | 0 | 2 | 0 | 0 | 2 |
| Matlab Tech Sub Journey I | 0 | 2 | 0 | 0 | 2 |
| Matlab Tech Sub Journey II | 0 | 1 | 0 | 0 | 1 |
| Matlab Tech Sub Journey III | 0 | 1 | 0 | 0 | 1 |
| Matlab Tech Sub Journey IV | 0 | 3 | 0 | 0 | 3 |
| Right of Way Agent I | 0 | 1 | 0 | 0 | 1 |
| Right of Way Agent II | 0 | 5 | 0 | 0 | 5 |
| Right of Way Agent III | 0 | 7 | 0 | 0 | 7 |
| Right of Way Agent IV | 0 | 2 | 0 | 0 | 2 |
| Right of Way Agent VI | 0 | 1 | 0 | 0 | 1 |
| Right of Way Assistant | 0 | 1 | 0 | 0 | 1 |
| Survey Journey | 0 | 3 | 0 | 0 | 3 |
| Survey Lead | 0 | 3 | 0 | 0 | 3 |
| Survey Sub Journey II | 0 | 4 | 0 | 0 | 4 |
| Tech Eng I / Architect I | 0 | 3 | 0 | 0 | 3 |
| Totals | 0 | 135 | 0 | 8 | 143 |