



Legislative Report on Biennial Expenditures Fiscal Year 2010-11



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Legislative Report on Biennial Expenditures

Fiscal Year 2010-11

Introduction

This report is in response to Minn. Stat. 161.08, subd. 2.

Section 1 contains cost information for the FY 2010-11 biennium for each of the categories specified in Minn. Stat. 161.08, subd. 2. Table 1 lists those expenditures by the categories specified in the legislation. Brief explanations below Table 1 describe what is included in each amount.

Section 2 contains information about environmental mitigation and compliance costs. This differs from the rest of the report information because it is not a department total for the biennium. As requested in the statute, Section 2 reports the cost of environmental mitigation and compliance for two projects—one in the Twin Cities metro area and one in Greater Minnesota. The projects represent the typical types and costs for construction projects of similar magnitude.

Report Development Cost

As required in Minn. Stat. 3.197, this document must contain the cost of preparing the report, including any costs incurred by another agency or another level of government.

MnDOT staff costs were approximately \$3,500 to produce this report.

To request this document in an alternative format, please contact MnDOT's Affirmative Action Office at 651-366-4718 or 1-800-657-3774 (Greater Minnesota); 711 or 1-800-627-3529 (Minnesota Relay). You may also send an e-mail to ADArequest.dot@state.mn.us.

Section 1 -- Fiscal Year 2010-11 expenditures by category as of August 2011 (\$ in millions)

Table 1	
1. Road construction	\$1,596.2
2. Professional technical contracts	\$104.4
3. Design and engineering	\$405.0
4. Labor	\$710.5
5. Right of way acquisition	\$107.9
6. Litigation	\$4.3
7. Maintenance	\$195.5
8. Road operations	\$372.4
9. Planning	\$31.0
10. Environmental documentation	\$17.6

1. Road construction – All actual costs and encumbrances for road and bridge construction contracts. This includes the design and engineering as well as construction cost portions of design/build contracts.
2. Professional technical contracts – All costs and encumbrances for services such as road and bridge design, software development, construction engineering and organizational development.
3. Design and engineering – All costs and encumbrances for design, pre-design, construction and other engineering activities performed by MnDOT employees and consultants.
4. Labor – All expenditures for MnDOT employee labor, including overtime and benefits for full-time, part-time and unclassified employees.
5. Right of way acquisition – All costs and encumbrances to acquire land for trunk highway system improvements including appraiser, court fees and land purchases.
6. Litigation – All payments to the State Attorney General's Office for legal services, as well as costs paid for expert witness fees and court reporters and transcribers. Payments for tort claims and other legal settlements cannot be uniquely identified, so MnDOT cannot include those amounts in this report.
7. Maintenance – All costs and encumbrances to operate and maintain the trunk highway system and MnDOT buildings.
8. Road operations – All costs and encumbrances related to snow removal, rest area maintenance, traffic management and traveler information.
9. Planning – All costs for planning related to constructing and maintaining the trunk highway system, paid to MnDOT employees or consultants.
10. Environmental documentation – Costs derived from completing the environmental review processes and documenting the results of those processes, such as Environmental Assessment Worksheets and Environmental Impact Statements. This includes both MnDOT employee and consultant costs.

Section 2 – Report on environmental mitigation and compliance costs associated with two MnDOT projects

MnDOT selected two projects to report environmental mitigation and compliance costs and determine what portion of the overall project cost is attributable to environmental mitigation. Selected projects are:

- Interstate 494 resurfacing and third lane addition from I-94 to Lake Road in Woodbury
- Granite City River Crossing bridge replacement in St. Cloud (formerly DeSoto Bridge)

Environmental mitigation costs for these projects include engineering, right of way, erosion control, ponds, noise walls and visual barriers, wetland mitigation and investigations of contaminated sites and cultural resources.

The costs attributable to environmental documentation and alternative development are not considered as an environmental mitigation cost. Instead, these are an environmental cost noted in the tables. They are a component of total project cost but not included in the environmental mitigation cost.

Project 1 – I-494 from I-94 to Lake Road in Woodbury (Metro District)

Pavement resurfacing and third lane addition

State project number 8285-94

This project included the following road improvements:

- Resurfaced I-494 with 10-inch unbonded concrete overlay from south of Lake Road to the I-94 interchange in Woodbury.
- Added third lane in each direction from Lake Road to I-94 by using the existing auxiliary lanes between the interchanges.
- Resurfaced I-494 from I-94 to the north end of the project near the Fourth Street bridge with either a 4-inch bituminous overlay or a 10-inch concrete overlay.

Environmental mitigation costs totaling \$2.4 million are detailed in Table 1a and account for roughly 14.2 percent of project costs. The total project cost was \$17 million and is detailed in Table 1b. The construction cost was \$14.2 million and project engineering costs were \$2.8 million. The project did not have right of way land-related costs.

Table 1a – Environmental Mitigation Costs, I-494 project

Environmental documents (costs not included in mitigation cost)

Environmental assessment\$9,521

Environmental investigation costs

Historical/cultural resources\$500

Contamination investigation\$1,340

Subtotal: **\$1,840**

Preconstruction engineering costs

Noise walls\$76,030

Ponds\$6,660

Subtotal: **\$82,690**

Construction engineering/administration costs

Noise walls\$12,480

Ponds\$76,880

Erosion control\$80,000

Subtotal: **\$169,360**

Right of way costs (land-related only)

Ponds:\$NA

Wetlands (credits)\$NA

Subtotal: **\$NA**

Construction costs

Noise walls\$961,000

Ponds\$1,000,000

Erosion control\$156,000

Subtotal: **\$2,117,000**

Supplemental agreements and work orders

Noise walls\$NA

Ponds\$NA

Erosion control\$NA

Other (remove regulated waste, street sweeping)\$57,000

Subtotal: **\$57,000**

Total Environmental Mitigation Costs **\$2,427,890**

Table 1b – Total Project Costs, I-494 Project

Right of way

Total project right of way costs (land only)

Subtotal: **\$NA**

Construction costs

Total project construction cost estimate\$14,214,000

Total estimate: **\$14,214,000**

Project delivery costs

Preconstruction engineering.....\$1,706,000

Construction engineering/administration\$1,137,000

Subtotal: **\$2,843,000**

Total project cost estimate

Engineering\$2,843,000

Right of way..... \$NA

Construction\$14,214,000

Total Project Costs **\$17,057,000**

Percentage of project costs incurred for environmental mitigation and compliance:

\$2,427,890 ÷ \$17,057,000 = 14.2 percent

Project 2 – Granite City Crossing bridge replacement in St. Cloud (Greater Minnesota District)

State project number 0503-78

The Granite City River Crossing bridge replacement project on Highway 23 over the Mississippi River in St. Cloud replaced the structure (formerly the DeSoto Bridge) and improved the bridge approaches. The new bridge and approaches include 12 foot lanes, a six foot shoulder and eight foot sidewalks. On the west end, the approach ties into a separate Highway 23 reconstruction project (State project number 7306-93). The bridge also has a two foot bridge rail and is 90 feet wide.

This project did not require an Environmental Assessment Worksheet; however, it required several mitigation efforts. Crews removed old swallow nests in accordance with the Migratory Bird Treaty Act. They also scraped or encapsulated peeling lead-based paint on the existing bridge before removing it. The new bridge design redirects storm water through grit chambers on both ends of the bridge. MnDOT also acquired two residential properties according to the Uniform Relocation and Real Property Acquisition Act of 1970.

The existing bridge was eligible for, but not listed on the National Register of Historic Places. The MnDOT Cultural Resources Unit determined the project had an adverse effect to the historic bridge. So, MnDOT signed a Memorandum of Agreement with the

State Historic Preservation Office. The MOA required that MnDOT document the DeSoto Bridge for the Minnesota Historic Property Record prior to demolition.

Environmental mitigation costs totaling \$636,644 are detailed in Table 2a and account for roughly 2.4 percent of project costs. The total project cost was \$26 million and is detailed in Table 2b. The construction cost was \$21.4 million, right of way land-related cost was \$298,211 and project engineering costs were \$4.3 million.

Table 2a – Environmental Mitigation Costs, Granite City Crossing

Environmental documents (cost <u>not</u> included in mitigation cost)	
Environmental assessment	\$NA
 Environmental investigation costs	
Historical/cultural resources (MHPR documentation).....	\$21,716
Contamination	\$69,026
Subtotal:	\$90,742
 Preconstruction engineering costs	
Ponds	\$14,193
Erosion control	\$3,142
Regulated waste.....	\$42,128
Supplemental agreements and work orders.....	\$4,556
Subtotal:	\$64,019
 Construction engineering/administration costs	
Ponds	\$8,448
Erosion control	\$1,870
Regulated waste.....	\$25,076
Subtotal:	\$35,394
 Right of way costs (land-related only)	
Ponds	\$NA
Wetlands (credits)	\$NA
Subtotal:	\$NA
 Construction costs	
Ponds	\$105,600
Erosion control	\$23,371
Regulated waste.....	\$313,450
Subtotal:	\$442,421
 Supplemental agreements and work orders	
Subtotal:	\$4,068
Total Environmental Mitigation Costs	\$636,644

Table 2b – Total Project Costs, Granite City Crossing

Right of way

Total project right of way costs (land only)

Subtotal: **\$298,211**

Construction costs **\$ 21,437,468**

Project delivery costs

Preconstruction engineering.....\$2,572,496

Construction engineering/administration.....\$1,714,997

Right of way delivery\$35,785

Subtotal: **4,323,278**

Total project cost estimate

Engineering\$4,323,278

Right of way.....\$298,211

Construction\$21,437,468

Total Project Costs **\$26,058,957**

Percentage of project costs incurred for environmental mitigation and compliance:

\$636,644 ÷ \$26,058,957 = 2.4 percent