



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

PUBLIC WORKS DEPARTMENT

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MEMORANDUM

TO: Legal & Finance Committee

CC: Honorable Mayor Hanks
City Council

FROM: Dirk Jablonski, Public Works Director

DATE: February 20, 2008

RE: East Mall Drive Improvement Project

At the February 19 regular Council meeting the request to award the bid for the referenced project was referred to the February 27 Legal and Finance Committee meeting for further clarification. This memorandum and attachments will attempt to provide that clarification.

The budget, or advertising authority, for the projects, as adopted by Council was \$6,592,466.00

The Engineers estimate was \$7,528,151.11. This was more than the budget. Portions of the project were pulled out of the base bid so that those could be added or deleted from the project, depending on what the actual bids received were.

The attached document defines the base bid items and the alternates.

The base bid included the paving and utility work for East Mall Drive from LaCrosse St. to East North St. The base bid was divided into two parts. One included those items eligible for SDDOT cost participation and the other those items not cost eligible. They were labeled Schedule 1 and Schedule 2. The low bid for the base bid (Schedule 1 plus Schedule 2) was \$6,219,697.90 (\$4,930,826.96 + \$1,288,871.00).

Deducting the advertising authority from the base bid (\$6,592,466.00 - \$6,219,697.90) allowed the remainder (\$372,768.10) available to be used for alternates.

The alternates available generally included:

- Construction of four intermediate intersections
- Installation of sidewalk and bike path
- Street light installation

In order of priority, street lighting for traffic safety was considered the highest, next was sidewalk and bike path and the third priority selected was the four intermediate intersections.

The bid for the street lights by the lowest apparent bidder was \$315,136. Adding this alternate to the base bid equaled \$6,534,833.96. This is near the advertising authority of \$6,592,466.00.

The next lowest base bid was checked to see if the alternates chosen would make that bid the lowest cumulative bid. The base bid was added to the alternate bid (\$6,303,484.50 + \$340,610.30) for a cumulative total of \$6,644,094.80. This amount is below the advertising authority but still more than that provided by the lowest base bid.

SUMMARY

Advertising Authority (Budget)	\$6,592,466.00
Lowest Base Bid	<u>\$6,219,697.90</u>
Balance Remaining for Alternates	\$ 372,768.10

	<u>Base Bid</u>	<u>w/lighting</u>	<u>w/sidewalk</u>	<u>w/intersections</u>
1. Knife River	\$6,219,697.90	\$6,534,833.96	\$6,470.857.40	\$6,537,248.60
2. Heavy Constr.	\$6,303,484.50	\$6,644,094.80	\$6,538,149.90	\$6,609,939.80

Considering each viable alternatives, Knife River Midwest was the lowest bidder for each.

RECOMMEDATION

It is recommended that the bid be awarded to the lowest responsible bidder, Knife River Midwest, in the amount of \$6,592,466.00 including the street lighting installation alternate.

If Council decides that either the sidewalk and bike path or intermediate intersection construction is the better of the alternates, the respective costs will apply.

EAST MALL DRIVE CONNECTION PROJECT

BASE BID AND BID ALTERNATES

THE PROJECT BASE BID INCLUDES CONSTRUCTION OF ALL ITEMS CALLED FOR IN THE PLANS AND SPECIFICATIONS WITH THE EXCEPTION OF THOSE ITEMS IDENTIFIED AS BID ALTERNATES IN THE BIDDERS PROPOSAL. AWARD WILL BE FOR THE LOWEST BASE BID PLUS ANY COMBINATION OF ALTERNATES AS DETERMINED BY THE CITY BASED ON AVAILABLE FUNDING. MINOR QUANTITY CHANGES OF EXCAVATION, SEEDING, STAKING AND MISCELLANEOUS CONSTRUCTION NECESSARY TO COMPLETE THE BID ALTERNATES SHALL BE CONSIDERED INCIDENTAL TO EACH RESPECTIVE BID ALTERNATE.

BID ALTERNATE 1 INCLUDES THE FOLLOWING:

CURB, CONCRETE PAVING, DOWEL BARS, SIDEWALK, DETECTABLE WARNING PANELS, SIGNS, AND STRIPING ASSOCIATED WITH EAST MALL DRIVE'S INTERSECTIONS WITH THE WEST ACCESS, 143RD STREET, THE CENTER ACCESS AND THE EAST ACCESS.

BID ALTERNATE 2 INCLUDES THE FOLLOWING:

BIKE PATH ALONG THE SOUTH SIDE OF EAST MALL DRIVE FROM NORTH LACROSSE STREET TO EAST NORTH STREET.

BID ALTERNATE 3 INCLUDES THE FOLLOWING:

SIDEWALK ALONG THE NORTH SIDE OF EAST MALL DRIVE FROM NORTH LACROSSE STREET TO EAST NORTH STREET.

BID ALTERNATE E1 INCLUDES THE FOLLOWING:

ALL UNDERGROUND WIRING, POLES, SIGNALS, ETC. TO INSTALL AND ENERGIZE THE TRAFFIC SIGNALS AT THE INTERSECTION OF EAST MALL DRIVE AND EAST NORTH STREET.

BID ALTERNATE E2 INCLUDES THE FOLLOWING:

ALL UNDERGROUND WIRING, LIGHTING POLES AND LUMINARIES FOR A COMPLETE LIGHTING SYSTEM BETWEEN NORTH LACROSSE STREET AND EAST NORTH STREET.

BID ALTERNATE E3 INCLUDES THE FOLLOWING:

FURNISHING AND INSTALLING THE DETECTOR AND DILEMMA LOOPS AT EAST MALL DRIVE'S INTERSECTIONS WITH THE WEST ACCESS, 143RD STREET, THE CENTER ACCESS AND THE EAST ACCESS.

BID ALTERNATE E4 INCLUDES THE FOLLOWING:

FURNISHING (NO INSTALLATION) AND DELIVERY TO THE RAPID CITY TRAFFIC SHOP ON STEELE AVENUE OF SIGNAL POLES AND MAST ARMS FOR THE WEST ACCESS, 143RD STREET, THE CENTER ACCESS AND THE EAST ACCESS.

BID ALTERNATE E5 INCLUDES THE FOLLOWING:

ALL ELECTRICAL WORK ASSOCIATED WITH POWERING THE EXISTING STREET LIGHTS ON EAST MALL DRIVE AND EAST NORTH STREET NORTH OF THE EAST MALL/EAST NORTH INTERSECTION AND REMOVAL OF THE EMPTY MAST ARMS AT THE EAST MALL/DYESS AVENUE INTERSECTION.

BID ALTERNATE SS1 INCLUDES THE FOLLOWING:

FURNISHING AND INSTALLING MANHOLES 21A, 23A, 30A, 33A AND 33B AS CALLED FOR IN THE CONSTRUCTION PLANS.

Bidder's Summary

East Mall Drive Connection - North LaCrosse St. to East North St.
CORC Project No. ST06-1334b / CIP No. 50521
SDDOT Project No. EM1608(3) - PCN 012F

Contractor	Schedule1	Schedule2	Total Base Bid	Schedule1 Alternate 1	Schedule 1 Alternate 2	Schedule 1 Alternate 3	Schedule1 Alternate E1	Schedule1 Alternate E2	Schedule1 Alternate E3	Schedule1 Alternate E4	Schedule1 Alternate E5	Schedule2 Alternate SS1
Engineer's Estimate	\$5,006,732.04	\$1,484,890.57	\$6,491,622.61	\$277,103.00	\$135,498.00	\$89,421.00	\$41,840.00	\$272,437.00	\$89,147.00	\$92,800.00	\$10,976.50	\$27,306.00
Zandstra Construction, Inc.	\$6,009,584.77	\$1,328,420.85	\$7,338,005.62	\$275,982.15	\$153,564.40	\$101,343.80	\$25,702.50	\$288,518.95	\$102,495.30	\$144,816.00	\$10,811.00	\$33,763.00
Knife River Midwest. LLC	\$4,930,826.96	\$1,288,871.00	\$6,219,697.96	\$317,550.77	\$151,306.10	\$99,853.45	\$24,897.10	\$279,809.70	\$99,359.50	\$140,584.00	\$10,429.20	\$32,752.00
T & R Contracting	\$5,072,038.37	\$1,349,667.05	\$6,421,705.42	\$292,262.45	\$135,498.00	\$93,892.05	\$26,247.70	\$294,362.75	\$103,498.70	\$147,612.00	\$10,968.40	\$34,281.00
Heavy Constructors, Inc.	\$4,884,445.08	\$1,419,039.52	\$6,303,348.60	\$306,455.39	\$141,369.58	\$93,295.91	\$26,908.64	\$302,426.22	\$107,328.24	\$151,830.72	\$11,275.44	\$28,981.05
Site Work Specialists	\$5,655,896.61	\$1,314,765.00	\$6,970,661.61	\$300,671.80	\$158,081.00	\$104,324.50	\$27,689.50	\$310,242.00	\$110,765.00	\$156,700.00	\$11,533.00	\$32,924.00

Totals shown have been corrected to the bid proposals submitted by each Contractor.