



City of Grand Forks Staff Report

APPROVED & ACCEPTED
by City Council

12/05/2016

Candice Stjern
Candice Stjern
Acting City Auditor

Committee of the Whole – November 28, 2016
City Council – December 5, 2016

Agenda Item: Bids for City Project No. 7164, Demers Avenue Pavement Rehabilitation from I-29 to 4th Avenue S

Submitted by: Engineering Department, Mark S. Walker, PE (Assistant City Engineer)
Mike Yavarow, PE (Civil Engineer Principal)

Staff Recommended Action: Concur with the NDDOT to award the contract to low bidder, Interstate Improvement Inc. in the amount of \$4,495,931.42 for Project No. 7164, Demers Avenue Pavement Rehabilitation from I-29 to 4th Avenue S, contingent upon award by the NDDOT

Committee Recommended Action:

Refer to City Council with the recommendation to approve.

Council Action:

BACKGROUND:

The NDDOT is pursuing a preventative maintenance project on Demers Avenue from I-29 to 4th Avenue S. Bids for this project were received on November 18, 2016 at the NDDOT in Bismarck. The NDDOT has tabulated the bid results and determined low bidder; however, they need to review and analyze various data from the low bidder before they will recommend award. Since this is a Regional funded project, the NDDOT will award the contract and the City must concur in the award. The City's share of the total project cost is currently estimated at approximately \$605,921.00. This project is linked with the Demers Ave Shared Use Path Project, so if the projects are awarded, they will be awarded to a single contractor. Since both projects are being constructed at the same time and are adjacent to each other, it made sense to link them.

This project is being proposed by the NDDOT and is intended to rehabilitate the roadway surface. This roadway was constructed in 1993 and 1994 and is in relatively good condition. The purpose of this preventive maintenance project is to prolong the useful life of the roadway.

Proposed improvements include full and partial depth concrete pavement repairs, dowel bar retrofit, grinding, stitching, spall repairs, some curb and gutter replacement, upgrading ADA handicap ramps, and improvements on the traffic signals including installing video detection cameras, upgrading the emergency preemption system, and interconnecting the signal system from 42nd Street to South Washington with a fiber optics cable.

In addition to the work identified above, a number of catch basins will be repaired during the project. The NDDOT has determined that catch basin repairs may be eligible for federal funding if work is required on the adjacent pavement. For those catch basins needing repair but having no necessary adjacent pavement repairs, catch basin repairs would not be considered eligible for federal funding as federal funding is intended to rehabilitate the roadway and not the underlying storm sewer. Approximately 45 catch basins on this portion of Demers Avenue were determined to be in need of repairs but were not included in the original project scope. At the request of City staff, repair of these 45 catch basins was included in the project but will be considered 100% City cost. Repair of the catch basins while temporary traffic control is in place for the pavement rehabilitation project will be at a significantly lower cost than if the City had to complete the work as a separate project. The bid price for repairing the 45 catch basins is \$85,510.95 and with engineering, the cost is estimated at \$94,062.05.

ANALYSIS AND FINDINGS OF FACT:

- The City will be responsible for 10% of all project costs deemed to be eligible for federal funding which includes engineering costs.
- The Federal/State/City funding participation rates are 80.93/9.07/10.0 respectively for costs deemed eligible for federal funding.
- The City will be responsible for 100% of the costs of repairing the 45 catch basins.
- The current estimated total project cost, including the preliminary engineering, design engineering, construction engineering, and right-of-way costs are as follows:

\$4.142m	Federal Share
\$ 464k	State Share
<u>\$ 606k</u>	Local Share
\$5.213m	Total Cost
- Funding for the local share will be funded from the Street/Infrastructure Fund 4815 where a total of \$400,000 has been budgeted in 2016 and an additional \$450,000 is budgeted in 2017.
- Construction will take place during the 2017 construction season.

SUPPORT MATERIALS:

- Abstract of Bids Received (1 page)
- NDDOT concurrence request letter(1 page)
- Project location map (1 page)
- Page 288 of the 2016 City Budget indicating funding source for this project (1 page)
- Page 297 of the 2017 City Budget indicating funding source for this project (1 page)



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

November 18, 2016

Mr. Al Grasser
City Engineer
PO Box 5200
Grand Forks, ND 58206

PROJECTS: NHU-6-297(008)000, PCN 20832; TAU-6-297(010)000, PCN 21148; & TAU-6-986(118)122, PCN 21151 – GRAND FORKS DEMERS AVE FROM I-29 TO 4TH AVE S; 88' W OF I-29 ONRAMP TO 42ND ST S; & 88' W OF I-29 ONRAMP TO 48TH ST S

Bids for the construction on the above noted projects were taken at our bid opening of November 18, 2016. Copies of the Contract Detail Estimates are enclosed.

The low bid for CPR, Dowel Bar Retrofit, Stitching, Grinding, ADA Ramps, Fiber Optic, Video Detection, Sidewalks, & Incidentals was submitted by Interstate Improvement, Inc. of Faribault, MN in the amount of \$4,904,946.79. According to the agreements with the City of Grand Forks, the City's share of the projects is estimated to be \$724,936.37. See Contract Detail Estimates for cost breakdowns and federal limits.

Before we can award to the low bidder, we need the City of Grand Forks to **concur**, in writing, in the estimated amount by December 6, 2016, if possible.

Questions should be addressed to the Construction Services Division at (701)328-2566.

A handwritten signature in black ink, appearing to read "Cal J. Gendreau".

CAL J. GENDREAU, P.E. - CONSTRUCTION SERVICES ENGINEER

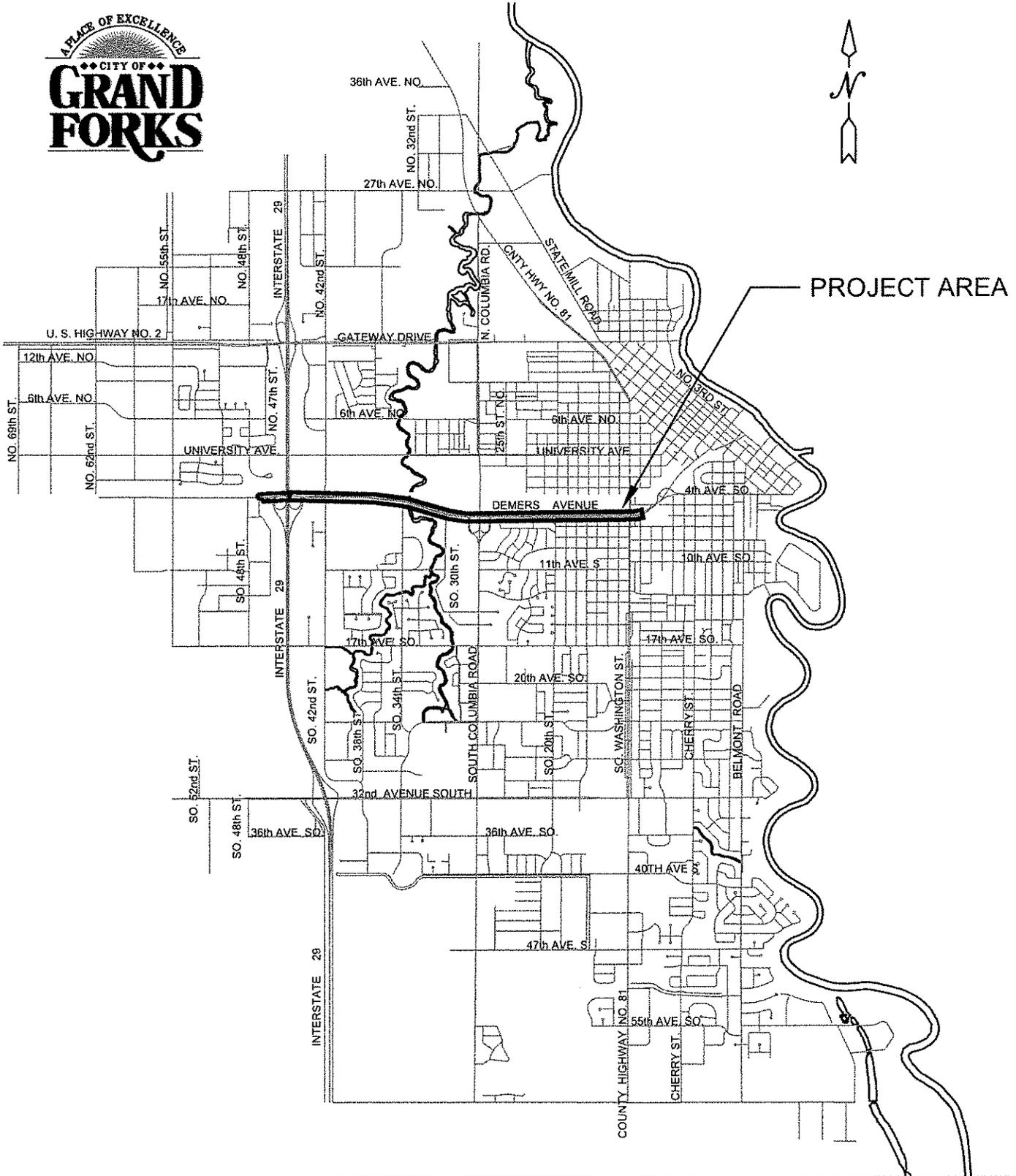
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Enclosure

PROJECT LOCATION MAP

GRAND FORKS, NORTH DAKOTA

PAVING REPAIR ON DEMERS AVE
(I-29 TO CENTRAL FIRE STATION)

PROJECT 7164



Fund 4815: Street/Infrastructure Fund

Account Number	Description	2013 Amended Budget	2013 Actual Amount	2014 Amended Budget	2014 Actual Amount	2015 Adopted Budget	2016 Adopted Budget	
Fund	4815	Street/Infrastructure Fund						
	Adopted Budget					1.00	25000	\$25,000.00
	Adopted Budget					1.00	729000	\$729,000.00
	Adopted Budget					1.00	40000	\$40,000.00
	Adopted Budget					1.00	100000	\$100,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	100000	\$100,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	850000	\$850,000.00
	Adopted Budget					1.00	400000	\$400,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	200000	\$200,000.00
	Adopted Budget					1.00	138000	\$138,000.00
	Adopted Budget					1.00	1090000	\$1,090,000.00
	Adopted Budget					1.00	740000	\$740,000.00
	Adopted Budget					1.00	922000	\$922,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	2117000	\$2,117,000.00
	Adopted Budget					1.00	40000	\$40,000.00
	Adopted Budget					1.00	60000	\$60,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	50000	\$50,000.00
	Adopted Budget					1.00	100000	\$100,000.00
	Adopted Budget					1.00	50000	\$50,000.00
								<u>\$9,298,845.00</u>
700.0050	Gen Equipment N.O.C.	\$0.00	\$0.00	\$0.00	\$0.00	\$56,000.00	\$56,000.00	
	Budget Transactions:							
						Number of Units	Cost Per Unit	Total Amount
	Adopted Budget					1.00	6000	\$6,000.00
	Adopted Budget					1.00	50000	\$50,000.00
								<u>\$56,000.00</u>
	Total Adopted Budget	\$0.00	\$0.00	\$0.00	\$0.00	\$16,049,559.00	\$9,354,845.00	
Total: Capital Outlay		\$0.00	\$0.00	\$0.00	\$0.00	\$19,834,913.00	\$13,138,045.00	
Department Total: Expenditures		\$0.00	\$0.00	\$0.00	\$0.00	\$25,506,291.00	\$21,442,760.00	
Revenue Totals:		\$0.00	\$0.00	\$0.00	\$0.00	\$19,834,913.00	\$13,138,045.00	
Expense Totals		\$0.00	\$0.00	\$0.00	\$0.00	\$5,671,378.00	\$8,304,715.00	
Fund Total: Street/Infrastructure Fund		\$0.00	\$0.00	\$0.00	\$0.00	\$5,671,378.00	\$8,304,715.00	

**City of Grand Forks
2017 City Budget
CIP (continued)**

Six Year CIP Summary Listing

By Project Type							
Category/Project Source of Funds	2017	2018	2019	2020	2021	2022	Estimated Total Cost
Streets & Bikepaths							
N Washington St. - Bus. US 81 Surface Treatment							
Federal Share Urban	-	132,000	-	-	-	-	132,000
Special Assessment	-	16,500	-	-	-	-	16,500
City Share (Street/Infrastructure)	10,000	20,000	10,000	-	-	-	40,000
Total	10,000	168,500	10,000	-	-	-	188,500
N 5th St. (Bus. US-2 Gateway to Demers Mill & Overlay)							
Federal Share Regional	-	-	888,000	-	-	-	888,000
State Share	-	-	111,000	-	-	-	111,000
City Share (Street/Infrastructure)	-	25,000	111,000	25,000	-	-	161,000
Total	-	25,000	1,110,000	25,000	-	-	1,160,000
Demers Ave Maintenance (I-29 to Fire Station)							
Federal Share Regional	2,000,000	-	-	-	-	-	2,000,000
State Share	250,000	-	-	-	-	-	250,000
City Share (Street/Infrastructure)	450,000	50,000	-	-	-	-	500,000
Total	2,700,000	50,000	-	-	-	-	2,750,000
Columbia Rd (40th Ave S to 47th Ave S)							
Federal Share Urban	3,920,000	-	-	-	-	-	3,920,000
City Share (Street/Infrastructure)	2,380,000	200,000	-	-	-	-	2,580,000
Total	6,300,000	200,000	-	-	-	-	6,500,000
Columbia Road (11th - 14th Ave South)							
Federal Share Urban	-	-	-	-	-	-	-
City Share (Street/Infrastructure)	200,000	-	-	-	-	-	200,000
Total	200,000	-	-	-	-	-	200,000
Kennedy Bridge							
Federal Share Regional	4,006,530	-	-	-	-	-	4,006,530
State Share-North Dakota	943,470	-	-	-	-	-	943,470
Other (Minnesota state)	4,950,000	-	-	-	-	-	4,950,000
City Share (Street/Infrastructure)	50,000	100,000	-	-	-	-	150,000
Total	9,950,000	100,000	-	-	-	-	10,050,000
Ped Heads Various Intersections							
Federal Share	116,100	-	-	-	-	-	116,100
State Share	6,450	-	-	-	-	-	6,450
City Share (Street/Infrastructure)	6,450	-	-	-	-	-	6,450
Total	129,000	-	-	-	-	-	129,000
Traffic Signal (S Washington & 44th Ave S)							
Federal Share Urban	640,000	-	-	-	-	-	640,000
City Share (Street/Infrastructure)	245,000	25,000	-	-	-	-	270,000
Total	885,000	25,000	-	-	-	-	910,000
17th Ave S/Columbia Turn Lanes							
Federal Share	536,940	-	-	-	-	-	536,940
City Share (Street/Infrastructure)	60,000	20,000	-	-	-	-	80,000
Total	596,940	20,000	-	-	-	-	616,940
32nd Ave Corridor Improvements							
Federal Share	-	-	726,300	-	-	-	726,300
State Share	-	-	40,350	-	-	-	40,350
City Share (Street/Infrastructure)	-	50,000	50,000	50,000	-	-	150,000
Total	-	50,000	816,650	50,000	-	-	916,650
47th Ave S. (Columbia Rd- S 34th St)							
Special Assessment	-	392,000	-	-	-	-	392,000
City Share (Street/Infrastructure)	50,000	1,568,000	50,000	-	-	-	1,668,000
Total	50,000	1,960,000	50,000	-	-	-	2,060,000
N. 42nd St Reconstruction (University to Gateway)							
Federal Share Urban	-	4,880,000	-	-	-	-	4,880,000
City Share (Street/Infrastructure)	600,000	2,000,000	100,000	-	-	-	2,700,000
Total	600,000	6,880,000	100,000	-	-	-	7,580,000
32nd Ave S - Reconstruction (Columbia to I-29)							
Federal Share Regional	-	-	-	-	-	-	-
State Share	-	-	-	-	-	-	-
City Share (Street/Infrastructure)	-	-	-	-	500,000	1,000,000	1,500,000
Total	-	-	-	-	500,000	1,000,000	1,500,000
N Washington Reconstruct (5th Ave S to 1st Ave N) - Includes Underpass							
Federal Share Regional	-	-	-	13,896,000	-	-	13,896,000
State Share	-	-	-	1,737,000	-	-	1,737,000
City Share (Bridge reserve fund 4122)	-	-	-	500,000	-	-	500,000
City Share (Street/Infrastructure)	-	-	100,000	1,237,000	100,000	-	1,437,000
Total	-	-	100,000	17,370,000	100,000	-	17,570,000
Business US 2 Reconstruct							
Federal Share Regional	-	-	3,280,000	-	-	-	3,280,000
State Share	-	-	410,000	-	-	-	410,000
City Share (Street/Infrastructure)	200,000	200,000	800,000	200,000	-	-	1,400,000
Total	200,000	200,000	4,490,000	200,000	-	-	5,090,000