



City of Grand Forks
Staff Report
Committee of the Whole – October 24, 2022
City Council – November 7, 2022

APPROVED & ACCEPTED
by City Council

11/07/2022

Maureen Storstad
Maureen Storstad
City Auditor

Agenda Item: Change Order No. 8 for City Project No. 8074 – Flashing School Beacons

Submitted by: Engineering Department, David Kuharenko, PE (Assistant City Engineer)
Christian Danielson, PE (Civil Engineer Principal)

Staff Recommended Action: **Approve Change Order No. 8 in the amount of \$33,240.95, approve any necessary budget amendments, and reset the City Engineer’s change order authority for City Project No. 8074 – Flashing School Beacons**

Committee Recommended Action: Motion by Vein, second by Kvamme. Motion carried unanimously

Council Action:

Motion by Sande, second by Weigel to approve on consent agenda.
Motion carried unanimously.

BACKGROUND:

The purpose of this change order is to increase the contract amount for project 8074 – Flashing School Beacons to accomplish fiber connection work associated with the school beacons. This project was planned to utilize existing fiber that was expected to be in a condition ready for use. During construction it was discovered that the existing fiber required splicing and other work to make the proper connections. Additional work was required to complete the splicing connections. Negotiations were conducted with the contractor, and staff was able to reach an agreement with the contractor where rather than the City paying for 100% of the fiber connection, the cost will be split 50/50 with the contractor. The price of the City’s half of this work is \$33,240.95. The cost of this change order was compared to similar work in the area, and it was determined that this price is reasonable.

Change Order Nos. 1 – 7 on this project included relocating and installing new pedestrian push buttons for the school beacons due to unexpected field conditions. Collectively these change orders total approximately \$43,000.

This project consists of updating the electrical hardware and realigning flashing beacons at school crossings citywide. There are a total of 20 sites that have been addressed as part of this project. New electrical equipment will allow City staff to remotely program schedules for the

beacons to flash. This project has received federal aid through the Highway Safety Improvement Program (HSIP). The federal funding cap on this project has already been reached so this change order will be 100% City funds.

This project has been considered at a number of previous Council/Committee/Public meetings, some of which are as follows:

- November 13, 2017 – The Committee of the Whole was presented with an informational item regarding candidate HSIP projects.
- December 4, 2017 – Council approved the application for Federal Funding Request.
- June 7, 2021 – Council approved Plans & Specifications for the project.
- September 20, 2021 – Council approved a Cost Participation, Construction, and Maintenance Agreement for this project.
- November 1, 2021 – Council approved the award of the contract to the low bidder Parsons Electric Solutions Inc. as well as any necessary budget amendment.
- April 4, 2022 – Council approved an Engineering Agreement with WFW Engineering in the amount of \$134,522 for Construction Engineering services.

ANALYSIS AND FINDINGS OF FACT:

- The original contract amount for this project was \$659,433.50
- Change Orders 1 – 7 increased the contract amount by \$43,227.45 to address new pedestrian push button relocations and installations due to complicated field conditions. These change orders raised the contract amount to \$702,660.95
- Proposed Change Order No. 8 exceeds the City Engineer’s change order approval authority and requires City Council approval.
- Proposed Change Order No. 8 would increase the contract amount to \$735,901.90

SUPPORT MATERIALS:

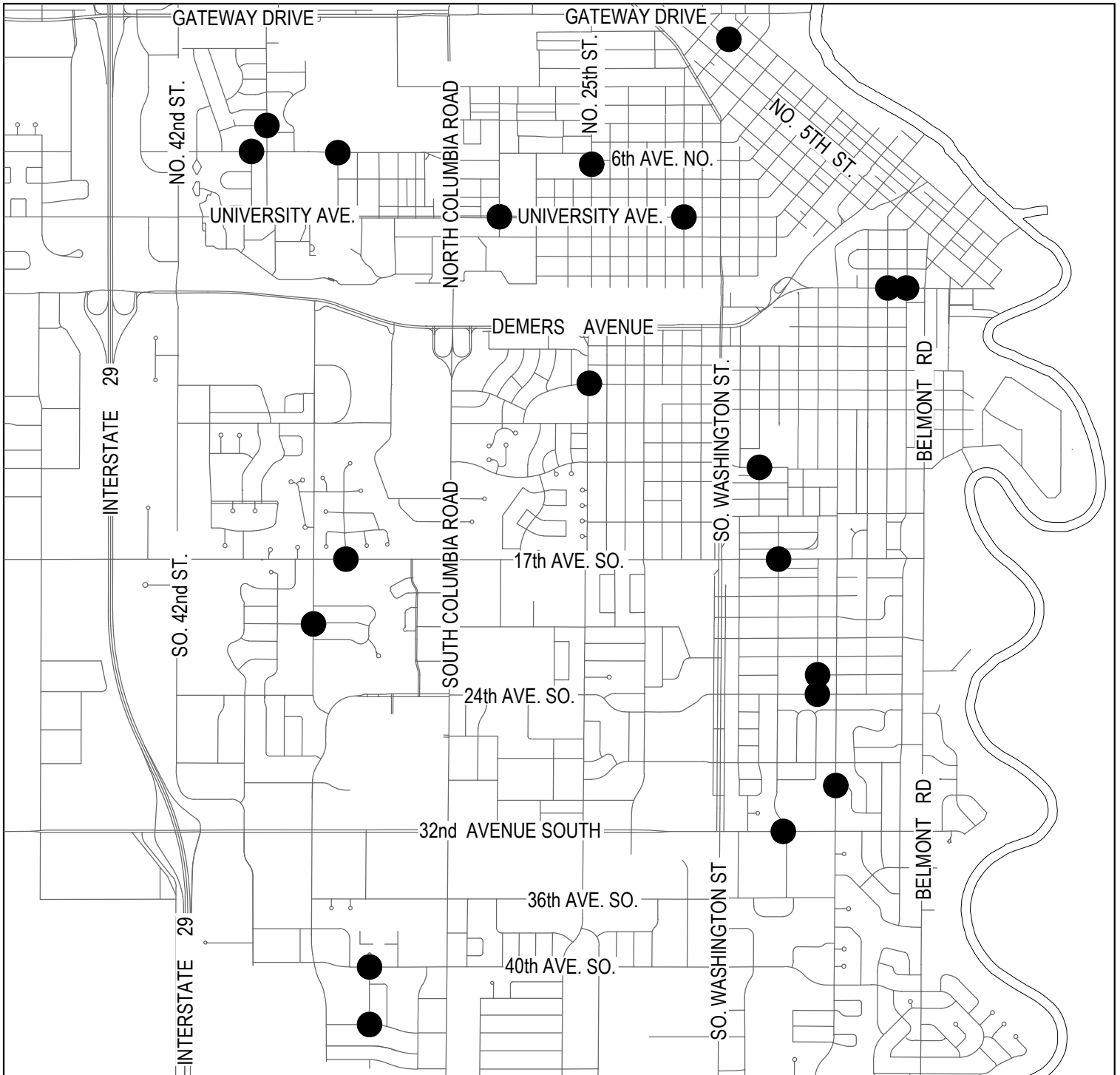
- Project Location Map (1 page)
- Page 390 of the 2021 City Budget indicating funding source for this project (1 page)

PROJECT LOCATION MAP GRAND FORKS, NORTH DAKOTA

FLASHING SCHOOL BEACON PROJECT
CITY PROJECT NO. 8074



● SCHOOL BEACON LOCATION





Street & Infrastructure Fund

G/L Account	Account Description	2018 Amended Budget	2018 Actual Amount	2019 Amended Budget	2019 Actual Amount	2020 Adopted Budget	2021 Adopted Budget	
<i>Capital Outlay</i>								
4815.100 650.0010	Work In Progress	7,397,059.00	2,876,328.71	12,937,678.00	4,939,989.83	12,935,559.00	12,222,000.00	
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
Adopted Budget	Minor Intersection Improvement					1.0000	80,000.00	80,000.00
Adopted Budget	Transportation Studies					1.0000	80,000.00	80,000.00
Adopted Budget	Pavement Management					1.0000	10,000.00	10,000.00
Adopted Budget	Bikepath Maintenance					1.0000	50,000.00	50,000.00
Adopted Budget	Bikepath Development (New)					1.0000	250,000.00	250,000.00
Adopted Budget	Traffic Signal - S Washington & 36th Ave S)					1.0000	750,000.00	750,000.00
Adopted Budget	Cherry Street (60th to 62nd Ave S.)					1.0000	616,000.00	616,000.00
Adopted Budget	N. 3rd St. (Demers Ave. to University Ave.)					1.0000	1,511,000.00	1,511,000.00
Adopted Budget	N. Columbia Rd Reconstruct (Overpass to 4th)					1.0000	2,000,000.00	2,000,000.00
Adopted Budget	Traffic Signal & School Beacon Interconnect					1.0000	100,000.00	100,000.00
Adopted Budget	Demers Streetscape					1.0000	500,000.00	500,000.00
Adopted Budget	S 20th St. (62nd Ave S to 66th Ave S)					1.0000	672,000.00	672,000.00
Adopted Budget	School Flashing Beacons					1.0000	70,000.00	70,000.00
Adopted Budget	44th Ave South (S 17th St to Tamarack Drive)					1.0000	250,000.00	250,000.00
Adopted Budget	N 4th St. (Demers Ave to 1st Ave N)					1.0000	300,000.00	300,000.00
Adopted Budget	Environmental Assessment for 32nd Ave S & 47th Ave S)					1.0000	1,500,000.00	1,500,000.00
Adopted Budget	I-29 RR Bridge North of Gateway - Painting					1.0000	50,000.00	50,000.00
Adopted Budget	Gateway Dr (55th to 69th) Chip Seal					1.0000	50,000.00	50,000.00
Adopted Budget	Traffic Signal Mtce					1.0000	160,000.00	160,000.00
Adopted Budget	Minor Street Repair					1.0000	184,000.00	184,000.00
Adopted Budget	Street Mtce Program (3% Increase per Year)					1.0000	1,830,000.00	1,830,000.00
Adopted Budget	Intelligent Transportation System					1.0000	85,000.00	85,000.00
Adopted Budget	Diamond Grade Reflectivity of Signs					1.0000	20,000.00	20,000.00
Adopted Budget	Maintenance of Street Lights					1.0000	100,000.00	100,000.00
Adopted Budget	Gateway Dr. I-29 Interchange Slide Repair					1.0000	100,000.00	100,000.00
Adopted Budget	Traffic Signal (47th Ave S & S 20th St)					1.0000	400,000.00	400,000.00
Adopted Budget	27th Ave N (N. 42nd Street to N. 44th Street)					1.0000	504,000.00	504,000.00
Adopted Budget Totals							\$12,222,000.00	