

FY 2023 COMMUNITY PROJECT FUNDING REQUEST

RYANS WAY EXTENSION

CITY OF BUFFALO, MN

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CITY OF BUFFALO, MINNESOTA

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April 13, 2022

The Honorable Representative Thomas Emmer

Dear Representative Emmer:

The Buffalo City Council supports efforts underway to extend Ryans Way south of Willems Way (CSAH 35) to connect with 1st Street Northeast. Several needs will be met including:

- a safe route for pedestrian traffic to travel north and south of TH 55 without having to cross TH 55
- businesses abutting the east side of TH 55 need alternate routes for traffic other than right turning moves only
- a 10-acre landlocked parcel owned by a local investment company could be developed. This owner has expressed interest in development
- the extension of Ryans Way will provide safe pedestrian passageway north and south of on the east side of TH 55, improve traffic circulation, remove local trips from the State and County highway system
- decrease accidents due to restricted turning movements
- provide the ability for development on currently landlocked parcels

Costs for extending Ryans Way are extensive. City staff has met preemptively with property owners, and they have expressed apprehensions about their ability to pay assessments. Costs are also prohibitive for the City of Buffalo to carry hindering the City's ability to complete the needed roadway extension.

When constructed, the project will promote pedestrian and bicycling traffic. There are many stops within these areas thereby improving transit operations, safety and economic vitality.

Sincerely,

Teri Lachermeier
Mayor

RYANS WAY EXTENSION
CITY OF BUFFALO, MN

PROJECT DESCRIPTION

Project Purpose

The purpose of this project is to improve vehicle traffic circulation, remove local trips from the State and County Highway system, decrease accidents due to restricted turning movements, provide a safe pedestrian passageway north and south on the east side of Highway 55, and provide the ability for development on currently land locked parcels. It provides benefit not only to the 17,000 residents of Buffalo but also to the thousands of commuters that travel on Highway 55 through Buffalo each day.

Access and Mobility Improvements

The project will increase accessibility and mobility by providing freight with another route in which to access the business' along Highway 55. Currently, vehicles traveling south bound on Highway 55 are required to make a U-turn and cross two lanes of traffic to a right turn lane in order to access businesses on the east side of Highway 55. Similarly, vehicles that want to resume the southbound direction are required to take a right turn onto Highway 55 and cross two lanes of traffic and complete a U-turn to head southbound. Many trucks are not able to make these turning movements due to the tight turning radius required. In addition, the project also provides options for pedestrian traffic to travel safely on the east side of Highway 55, connecting the wide shoulder used for pedestrian traffic on 1st Street NE and the separated path on Willems Way (CR 35). This is a high use pedestrian area due to the number of commercial and retail businesses along the route and a number of low, medium, and high density residential areas and mobile home parks within ¾ of a mile of the project area. A new 60 unit apartment complex and grocery, gas, and convenience store was recently constructed near Willems Way and Ryans Way.

System Connectivity Improvements

The project will enhance the integration and connectivity of the transportation system by extending the existing short dead-end segment of Ryans Way all the way to 1st Street NE providing connectivity between those roads. It will also complete a gap in the middle of the existing north-south backage road system. The completion of Ryans Way will complete the backage road system from CSAH 34 to 8th St NE (See attached map). This connection will allow more local trips coming from and going to the east, north, and south to utilize the backage road system rather than the Trunk Highway or County Highway system. Ryans Way will also provide a direct connection between the industrial park on the south end of Ryans Way and the Highway 55 commercial district.

Transit Improvements

Transit operations will be improved with the connectivity of the entire backage road system east of Highway 55. Trailblazer, the Wright County transit system, has many stops within these areas. The backage road system improves efficiency and safety by keeping the buses with local stops off of the Trunk Highway system.

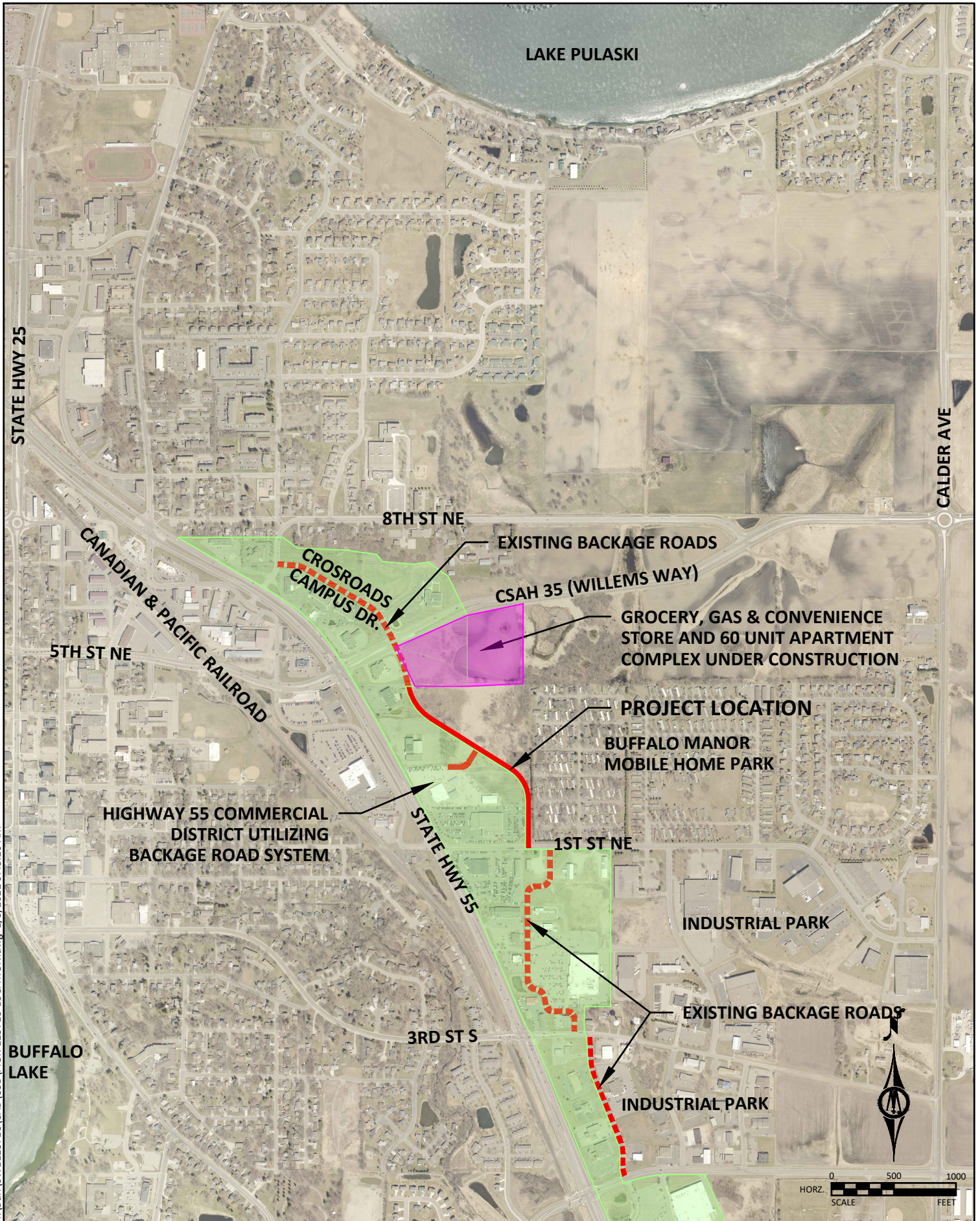
Safety Improvements

The Highway 55 intersections at 1st Street NE and at Willems Way are 2 of the top 10 highest crash intersections in Wright County. The present worth total benefits as a result of these crashes is 15.1 million dollars in the 32 crashes from 2013 to 2015. This project will provide alternate routes for traffic to their destinations in a safer manner by not utilizing these high crash

intersections. The sidewalk and wide shoulders constructed adjacent to Ryans Way will provide a safe route for pedestrian and bicyclist traffic.

Economic Vitality

The project would open access to a 10-acre parcel that is suitable for future development. Prospective businesses on this parcel would support both economic development and job retention within the community. The parcel is currently not zoned by the City, but it is surrounded by Highway Commercial and guided for Commercial use in the Comprehensive Plan. The project will also provide access to an undeveloped 1.2 acre parcel abutting Highway 55 between Lil Explorers Childcare Center and Advance Auto Parts. Additionally, the project will improve access to all existing businesses along the east side of Highway 55 with the completion of the backage road gap and specifically increase access to businesses between Willems Way and 1st St. NE with the ability for full access movements onto the backage road, which is planned to be a 10-ton route.



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PRELIMINARY PROJECT COST ESTIMATE

RYAN'S WAY STREET IMPROVEMENTS
 CITY OF BUFFALO, MN
 BMI PROJECT NUMBER: 0W1.123718



Real People. Real Solutions.

Apr-22

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	LUMP SUM	1	\$95,000.00	\$95,000.00
2	TRAFFIC CONTROL	LUMP SUM	1	\$10,000.00	\$10,000.00
3	CLEARING & GRUBBING	LUMP SUM	1	\$20,000.00	\$20,000.00
4	REMOVE BITUMINOUS PAVEMENT	SQ YD	1663	\$5.00	\$8,315.00
5	REMOVE CONCRETE PAVEMENT	SQ YD	137	\$12.00	\$1,644.00
6	REMOVE CURB & GUTTER	LIN FT	293	\$6.00	\$1,758.00
7	REMOVE STORM STRUCTURE	EACH	1	\$450.00	\$450.00
8	SALVAGE HYDRANT	EACH	2	\$750.00	\$1,500.00
9	ADJUST INPLACE STORM MANHOLE/CATCHBASIN CASTING	EACH	3	\$750.00	\$2,250.00
10	ADJUST INPLACE SANITARY MANHOLE- (PROVIDE NEW MANHOLE SECTION)	LIN FT	1.0	\$1,000.00	\$1,000.00
11	ADJUST CASTING ASSEMBLY- SANITARY	EACH	6	\$1,000.00	\$6,000.00
12	ADJUST GATE VALVE BOX	EACH	2	\$300.00	\$600.00
13	COMMON EXCAVATION (P)	CU YD	6743	\$20.00	\$134,860.00
14	SUBGRADE EXCAVATION (EV)	CU YD	4500	\$20.00	\$90,000.00
15	SPECIAL EXCAVATION (REMOVE WETLAND SURCHARGE MATERIAL) (EV)	CU YD	5600	\$12.00	\$67,200.00
16	CLASS 5 AGGREGATE BASE (CV) (P)	CU YD	3230	\$28.00	\$90,440.00
17	SELECT GRANULAR BORROW (CV)	CU YD	14000	\$22.00	\$308,000.00
18	GEOTEXTILE FABRIC, TYPE V	SQ YD	5400	\$2.00	\$10,800.00
19	GEOTEXTILE FABRIC, TYPE V (SPECIAL)	SQ YD	4780	\$3.00	\$14,340.00
20	MV 3 NON-WEAR COURSE	TON	1225	\$92.00	\$112,700.00
21	MV 4 WEARING COURSE	TON	735	\$91.00	\$66,885.00
22	BITUMINOUS TACK COAT	GAL	410	\$3.00	\$1,230.00
23	BITUMINOUS DRIVEWAY PATCH (INCLUDES EXCAVATION, AGGREGATE BASE, ETC.)	SQ YD	330	\$45.00	\$14,850.00
24	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	55	\$80.00	\$4,400.00
25	CONCRETE CURB & GUTTER, DES B618	LIN FT	3920	\$22.00	\$86,240.00
26	5" CONCRETE WALK	SQ FT	10500	\$10.00	\$105,000.00
26	COMMON LABORERS	HOUR	20	\$90.00	\$1,800.00
27	1.5 CUBIC YARD SHOVEL	HOUR	20	\$160.00	\$3,200.00
28	DOZER	HOUR	20	\$210.00	\$4,200.00
29	12 CUBIC YARD TRUCK	HOUR	20	\$110.00	\$2,200.00
30	SKIDLOADER	HOUR	20	\$130.00	\$2,600.00
31	SHEEPSFOOT	HOUR	20	\$110.00	\$2,200.00
32	3 CUBIC YARD FRONT END LOADER	HOUR	20	\$150.00	\$3,000.00
33	12" RC PIPE APRON (WITH TRASH GUARD)	EACH	1	\$1,900.00	\$1,900.00
34	18" RC PIPE APRON (WITH TRASH GUARD)	EACH	4	\$2,100.00	\$8,400.00
35	21" RC PIPE APRON (WITH TRASH GUARD)	EACH	1	\$2,500.00	\$2,500.00
36	22" SPAN RC ARCH PIPE APRON (WITH TRASH GUARD)	EACH	1	\$2,900.00	\$2,900.00
37	43-3/4" SPAN RC ARCH PIPE APRON (WITH TRASH GUARD)	EACH	1	\$4,700.00	\$4,700.00
38	4" EDGE DRAIN	LIN FT	3130	\$12.00	\$37,560.00
39	12" RC PIPE CL V (DES 3006)	LIN FT	576	\$65.00	\$37,440.00
40	15" RC PIPE CL V (DES 3006)	LIN FT	569	\$70.00	\$39,830.00
41	18" RC PIPE CL IV (DES 3006)	LIN FT	288	\$75.00	\$21,600.00
42	21" RC PIPE CL IV (DES 3006)	LIN FT	36	\$84.00	\$3,024.00
43	22" SPAN RC PIPE-ARCH SEWER, CLIIA	LIN FT	88	\$90.00	\$7,920.00
44	43-3/4" SPAN RC PIPE-ARCH SEWER, CLIIA	LIN FT	95	\$180.00	\$17,100.00
45	SALVAGE & REINSTALL RIPRAP	SQ YD	25	\$45.00	\$1,125.00
46	GRANITE RIPRAP, CL IV	CU YD	75	\$120.00	\$9,000.00
47	CONSTRUCT DRAINAGE STRUCTURE DESIGN R-1	LIN FT	50.5	\$600.00	\$30,300.00
48	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4022	LIN FT	27.9	\$625.00	\$17,437.50
49	CASTING ASSEMBLY, STORM SEWER	EACH	18	\$725.00	\$13,050.00
50	CONSTRUCT DETENTION POND (SOUTH POND)	LUMP SUM	1	\$20,000.00	\$20,000.00
51	CONSTRUCT DETENTION POND (NORTH POND)	LUMP SUM	1	\$15,000.00	\$15,000.00
52	CONSTRUCT CONTROL STRUCTURE NO. 1	EACH	1	\$12,000.00	\$12,000.00
53	CONSTRUCT CONTROL STRUCTURE NO. 2	EACH	1	\$12,000.00	\$12,000.00
54	CONSTRUCT CONTROL STRUCTURE NO. 3	EACH	1	\$7,500.00	\$7,500.00
55	CORE DRILL EXISTING SANITARY MANHOLE (FURISH & INSTALL SEALED BOOT)	EACH	1	\$2,400.00	\$2,400.00
56	8" PVC SDR 35 SANITARY SEWER	LIN FT	963	\$68.00	\$65,484.00
57	CONSTRUCT SANITARY MANHOLE, DES 4007	LIN FT	58.4	\$450.00	\$26,280.00
58	CASTING ASSEMBLY, SANITARY SEWER	EACH	4	\$950.00	\$3,800.00
59	6" PVC WATERMAIN	LIN FT	52	\$65.00	\$3,380.00
60	8" PVC WATERMAIN	LIN FT	912	\$67.50	\$61,560.00
61	6" GATE VALVE & BOX	EACH	3	\$2,250.00	\$6,750.00
62	8" GATE VALVE & BOX	EACH	2	\$2,750.00	\$5,500.00
63	HYDRANT- 8"-6" BURY DEPTH	EACH	3	\$6,250.00	\$18,750.00
64	WATERMAIN FITTINGS	POUND	900	\$12.00	\$10,800.00
65	TRENCH STABILIZATION ROCK (CV)	CU YD	100	\$45.00	\$4,500.00
66	SIGN PANEL- TYPE C (INCLUDES POST)	SQ FT	12.5	\$100.00	\$1,250.00
67	4" DOUBLE SOLID LINE YELLOW (EPOXY)	LIN FT	650	\$1.50	\$975.00
68	4" SOLID LINE YELLOW (EPOXY)	LIN FT	210	\$1.00	\$210.00
69	4" SOLID LINE WHITE (EPOXY)	LIN FT	50	\$1.50	\$75.00
70	24" STOP BAR-WHITE (EPOXY)	SQ FT	58	\$8.00	\$464.00
71	EROSION & SEDIMENT CONTROL SUPERVISOR	LUMP SUM	1	\$12,500.00	\$12,500.00
72	SILT FENCE- MACHINE SLICED	LIN FT	700	\$5.00	\$3,500.00
73	SILT FENCE- HEAVY DUTY	LIN FT	1400	\$10.00	\$14,000.00
74	12" BIOROLL DITCH CHECK	LIN FT	150	\$6.00	\$900.00
75	INLET PROTECTION	EACH	26	\$200.00	\$5,200.00
76	SEEDING	ACRE	2.8	\$750.00	\$2,100.00
77	SEED MIXTURE 110 (WITH BWSR U4)	POUND	130	\$2.00	\$260.00

ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
78	SEED MIXTURE 260CT	POUND	270	\$3.00	\$810.00
79	SEED MIXTURE SPECIAL, BWSR U4 (P.L.S.)	POUND	25	\$45.00	\$1,125.00
80	SEED MIXTURE SPECIAL, WETLAND SEED MIXTURE	POUND	100	\$50.00	\$5,000.00
81	COMMERCIAL FERTILIZER (22-5-10)	POUND	360	\$1.50	\$540.00
82	MULCH MATERIAL, TYPE 1	TON	1.5	\$300.00	\$450.00
83	DISC ANCHORING	ACRE	0.8	\$150.00	\$120.00
84	EROSION CONTROL BLANKET, CATEGORY 2	SQ YD	7000	\$2.50	\$17,500.00
85	EROSION CONTROL BLANKET, CATEGORY 3	SQ YD	7000	\$2.50	\$17,500.00

SUBTOTAL (2022 DOLLARS) \$1,890,631.50

CONTINGENCIES (15%) \$283,594.73

WETLAND MITIGATION \$300,000.00

RIGHT OF WAY ACQUISITION * \$82,000.00

ENGINEERING & ADMINISTRATION (20%) \$378,126.30

TOTAL PROJECT COST (2022 DOLLARS) \$2,934,352.53

* Assumes Donation of ROW to City at no cost for Lil' Explorers and Centra Sota Properties