



CHRISTOPHER B. BURKE ENGINEERING, LTD.

16221 W. 159th Street Suite 201 Lockport, Illinois 60441 TEL (815) 770-2850

August 4, 2023

City of Crest Hill
20600 City Center Blvd.
Crest Hill, Illinois 60403

Attention: Ronald Wiedeman, PE – City Engineer

Subject: City of Crest Hill
Theodore Street at Gaylord Road/Cedarwood Drive Traffic Signal Improvements
& Resurfacing (CBBEL No: 230119)
Engineer's Award Recommendation

Dear Mr. Wiedeman:

On Thursday, August 3, 2023 at 10:00 A.M. bids were received and opened for the subject project. Four bids were received for this project. Christopher B. Burke Engineering, Ltd. (CBBEL) has reviewed the contract proposals for the Theodore Street at Gaylord Road/Cedarwood Drive Traffic Signal Improvement & Resurfacing and all documents were in compliance with City and contract requirements. The bids have been reviewed and tabulated and are as follows:

Engineer's Estimate	\$ 531,815.30
P.T. Ferro Construction Co.	\$ 659,933.32
Gallagher Asphalt Co.	\$ 687,343.42
D. Construction, Inc.	\$ 701,837.60
Austin Tyler Construction, Inc.	\$ 762,808.10

P.T. Ferro Construction Co. was the low bidder with a proposal of \$659,933.32. We have reviewed P.T. Ferro's bid documents and found them to be in order.

The low bid proposal is above the Engineer's Estimate. CBBEL has reviewed the received bids and found the traffic signal costs have increased significantly. Upon review, the unit prices received appear to be competitive.

Therefore, CBBEL recommends awarding the project to P.T. Ferro Construction Co. in the amount of \$659,933.32. Enclosed for your reference are the bid tabulation and bid summary. Should you have any questions, please do not hesitate to contact me.

Sincerely,

Alex Schaefer, PE
Project Manager
Enclosure as Noted

**Theodore Street at Gaylord Road/Cedarwood Drive Traffic Signal
Improvements & Resurfacing
BID SUMMARY**

Section No. 23-00056-00-TL
CBBEL Project No. 230119

Bids Opened August 3, 2023

CONTRACTOR		BID
ENGINEEER'S ESTIMATE	\$	530,815.30
PT FERRO CONSTRUCTION	\$	659,933.32
GALLAGHER ASPHALT	\$	687,343.42
D. CONSTRUCTION	\$	701,837.60
AUSTIN TYLER CONSTRUCTION	\$	762,808.10

THEODORE STREET AT GAYLORD ROAD/CEDARWOOD DRIVE TRAFFIC SIGNAL IMPROVEMENTS & RESURFACING

Bid Tabulation
Section No. 23-00056-00-TL
CBBEL Project No. 230119

Bids Opened August 3, 2023

						ENGINEEER'S ESTIMATE		PT FERRO CONSTRUCTION		GALLAGHER ASPHALT		D. CONSTRUCTION		AUSTIN TYLER CONSTRUCTION	
ITEM NO	SP	PAY CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	75	\$50.00	\$ 3,750.00	\$ 50.00	\$ 3,750.00	\$ 40.00	\$ 3,000.00	\$ 60.00	\$ 4,500.00	\$ 56.00	\$ 4,200.00
2	#	20700220	POROUS GRANULAR EMBANKMENT	CU YD	75	\$50.00	\$ 3,750.00	\$ 50.00	\$ 3,750.00	\$ 40.00	\$ 3,000.00	\$ 60.00	\$ 4,500.00	\$ 79.00	\$ 5,925.00
3		28000510	INLET FILTERS	EACH	15	\$200.00	\$ 3,000.00	\$ 0.01	\$ 0.15	\$ 250.00	\$ 3,750.00	\$ 250.00	\$ 3,750.00	\$ 175.00	\$ 2,625.00
4		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4437	\$0.50	\$ 2,218.50	\$ 0.01	\$ 44.37	\$ 0.01	\$ 44.37	\$ 0.01	\$ 44.37	\$ 1.80	\$ 7,986.60
5		40600370	LONGITUDINAL JOINT SEALANT	FOOT	6155	\$4.00	\$ 24,620.00	\$ 3.75	\$ 23,081.25	\$ 3.50	\$ 21,542.50	\$ 4.00	\$ 24,620.00	\$ 4.90	\$ 30,159.50
6		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	220	\$10.00	\$ 2,200.00	\$ 0.01	\$ 2.20	\$ 0.01	\$ 2.20	\$ 0.01	\$ 2.20	\$ 23.00	\$ 5,060.00
7		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1105	\$100.00	\$ 110,500.00	\$ 90.00	\$ 99,450.00	\$ 115.00	\$ 127,075.00	\$ 87.00	\$ 96,135.00	\$ 115.00	\$ 127,075.00
8		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1010	\$12.00	\$ 12,120.00	\$ 12.00	\$ 12,120.00	\$ 11.00	\$ 11,110.00	\$ 20.00	\$ 20,200.00	\$ 12.00	\$ 12,120.00
9		42400800	DETECTABLE WARNINGS	SQ FT	84	\$40.00	\$ 3,360.00	\$ 15.00	\$ 1,260.00	\$ 30.00	\$ 2,520.00	\$ 40.00	\$ 3,360.00	\$ 40.00	\$ 3,360.00
10		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	30	\$30.00	\$ 900.00	\$ 40.00	\$ 1,200.00	\$ 30.00	\$ 900.00	\$ 20.00	\$ 600.00	\$ 12.00	\$ 360.00
11		44000600	SIDEWALK REMOVAL	SQ FT	1010	\$2.50	\$ 2,525.00	\$ 3.00	\$ 3,030.00	\$ 3.75	\$ 3,787.50	\$ 5.00	\$ 5,050.00	\$ 3.50	\$ 3,535.00
12	#	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	\$350.00	\$ 700.00	\$ 450.00	\$ 900.00	\$ 400.00	\$ 800.00	\$ 500.00	\$ 1,000.00	\$ 930.00	\$ 1,860.00
13	#	60404300	FRAMES AND GRATES, TYPE 3	EACH	2	\$600.00	\$ 1,200.00	\$ 600.00	\$ 1,200.00	\$ 450.00	\$ 900.00	\$ 500.00	\$ 1,000.00	\$ 950.00	\$ 1,900.00
14	#	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	7	\$500.00	\$ 3,500.00	\$ 450.00	\$ 3,150.00	\$ 450.00	\$ 3,150.00	\$ 500.00	\$ 3,500.00	\$ 720.00	\$ 5,040.00
15		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	\$4,000.00	\$ 4,000.00	\$ 50.00	\$ 50.00	\$ 2,500.00	\$ 2,500.00	\$ 10,000.00	\$ 10,000.00	\$ 3,200.00	\$ 3,200.00
16		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	\$10,000.00	\$ 10,000.00	\$ 40,000.00	\$ 40,000.00	\$ 12,000.00	\$ 12,000.00	\$ 0.01	\$ 0.01	\$ 3,000.00	\$ 3,000.00
17		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	\$7,000.00	\$ 7,000.00	\$ 50.00	\$ 50.00	\$ 27,000.00	\$ 27,000.00	\$ 0.01	\$ 0.01	\$ 4,000.00	\$ 4,000.00
18		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	\$4,000.00	\$ 4,000.00	\$ 50.00	\$ 50.00	\$ 2,500.00	\$ 2,500.00	\$ 0.01	\$ 0.01	\$ 3,000.00	\$ 3,000.00
19		70300100	SHORT TERM PAVEMENT MARKING	FOOT	3100	\$1.50	\$ 4,650.00	\$ 0.01	\$ 31.00	\$ 0.01	\$ 31.00	\$ 3.00	\$ 9,300.00	\$ 2.00	\$ 6,200.00
20		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1035	\$3.00	\$ 3,105.00	\$ 0.01	\$ 10.35	\$ 0.01	\$ 10.35	\$ 5.00	\$ 5,175.00	\$ 2.50	\$ 2,587.50
21		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	150	\$15.00	\$ 2,250.00	\$ 6.00	\$ 900.00	\$ 6.50	\$ 975.00	\$ 8.00	\$ 1,200.00	\$ 6.30	\$ 945.00
22		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9560	\$1.50	\$ 14,340.00	\$ 1.50	\$ 14,340.00	\$ 1.10	\$ 10,516.00	\$ 1.00	\$ 9,560.00	\$ 1.05	\$ 10,038.00
23		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	490	\$4.00	\$ 1,960.00	\$ 2.00	\$ 980.00	\$ 1.75	\$ 857.50	\$ 1.65	\$ 808.50	\$ 1.60	\$ 784.00
24		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	760	\$8.00	\$ 6,080.00	\$ 4.00	\$ 3,040.00	\$ 3.25	\$ 2,470.00	\$ 4.15	\$ 3,154.00	\$ 3.15	\$ 2,394.00
25		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	120	\$15.00	\$ 1,800.00	\$ 7.00	\$ 840.00	\$ 6.50	\$ 780.00	\$ 8.00	\$ 960.00	\$ 6.30	\$ 756.00
26		78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	160	\$12.00	\$ 1,920.00	\$ 3.00	\$ 480.00	\$ 4.00	\$ 640.00	\$ 6.60	\$ 1,056.00	\$ 4.00	\$ 640.00
27		78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9560	\$1.00	\$ 9,560.00	\$ 0.70	\$ 6,692.00	\$ 0.75	\$ 7,170.00	\$ 1.00	\$ 9,560.00	\$ 0.70	\$ 6,692.00
28		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	490	\$3.00	\$ 1,470.00	\$ 0.90	\$ 441.00	\$ 1.10	\$ 539.00	\$ 1.65	\$ 808.50	\$ 1.05	\$ 514.50
29		78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	760	\$4.00	\$ 3,040.00	\$ 2.00	\$ 1,520.00	\$ 2.00	\$ 1,520.00	\$ 3.30	\$ 2,508.00	\$ 2.00	\$ 1,520.00
30		78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	120	\$6.00	\$ 720.00	\$ 4.00	\$ 480.00	\$ 4.00	\$ 480.00	\$ 6.60	\$ 792.00	\$ 4.00	\$ 480.00
31		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3040	\$1.50	\$ 4,560.00	\$ 1.65	\$ 5,016.00	\$ 1.50	\$ 4,560.00	\$ 3.00	\$ 9,120.00	\$ 1.40	\$ 4,256.00
32	#	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	\$3,000.00	\$ 3,000.00	\$ 6,250.00	\$ 6,250.00	\$ 6,800.00	\$ 6,800.00	\$ 6,875.00	\$ 6,875.00	\$ 6,250.00	\$ 6,250.00
33	#	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	636	\$2.55	\$ 1,621.80	\$ 6.25	\$ 3,975.00	\$ 7.00	\$ 4,452.00	\$ 7.00	\$ 4,452.00	\$ 6.25	\$ 3,975.00
34	#	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	1	\$2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ 5,000.00	\$ 5,000.00
35	#	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	\$1,350.00	\$ 1,350.00	\$ 3,750.00	\$ 3,750.00	\$ 4,000.00	\$ 4,000.00	\$ 4,125.00	\$ 4,125.00	\$ 3,750.00	\$ 3,750.00
36	#	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1	\$1,600.00	\$ 1,600.00	\$ 4,000.00	\$ 4,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,400.00	\$ 4,400.00	\$ 4,000.00	\$ 4,000.00
37	#	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	\$350.00	\$ 2,800.00	\$ 2,500.00	\$ 20,000.00	\$ 2,750.00	\$ 22,000.00	\$ 2,750.00	\$ 22,000.00	\$ 2,500.00	\$ 20,000.00
38	#	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	1	\$250.00	\$ 250.00	\$ 940.00	\$ 940.00	\$ 1,000.00	\$ 1,000.00	\$ 1,034.00	\$ 1,034.00	\$ 940.00	\$ 940.00
39	#	88600100	DETECTOR LOOP, TYPE I	FOOT	1430	\$20.00	\$ 28,600.00	\$ 32.00	\$ 45,760.00	\$ 35.00	\$ 50,050.00	\$ 35.20	\$ 50,336.00	\$ 32.00	\$ 45,760.00
40	#	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1	\$425.00	\$ 425.00	\$ 2,500.00	\$ 2,500.00	\$ 2,700.00	\$ 2,700.00	\$ 2,750.00	\$ 2,750.00	\$ 2,500.00	\$ 2,500.00
41	#	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	\$1,750.00	\$ 1,750.00	\$ 2,500.00	\$ 2,500.00	\$ 2,700.00	\$ 2,700.00	\$ 2,750.00	\$ 2,750.00	\$ 2,500.00	\$ 2,500.00
42		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	636	\$2.50	\$ 1,590.00	\$ 25.00	\$ 15,900.00	\$ 26.00	\$ 16,536.00	\$ 27.50	\$ 17,490.00	\$ 25.00	\$ 15,900.00
43	#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	12	\$600.00	\$ 7,200.00	\$ 1,250.00	\$ 15,000.00	\$ 1,350.00	\$ 16,200.00	\$ 1,375.00	\$ 16,500.00	\$ 1,250.00	\$ 15,000.00
44	#	LR400520	HOT IN-PLACE RECYCLING - SURFACE RECYCLING	SQ YD	9200	\$6.00	\$ 55,200.00	\$ 6.00	\$ 55,200.00	\$ 5.60	\$ 51,520.00	\$ 6.06	\$ 55,752.00	\$ 10.00	\$ 92,000.00
45	#	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6	\$1,000.00	\$ 6,000.00	\$ 900.00	\$ 5,400.00	\$ 850.00	\$ 5,100.00	\$ 1,500.00	\$ 9,000.00	\$ 1,050.00	\$ 6,300.00
46	#	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	250	\$30.00	\$ 7,500.00	\$ 36.00	\$ 9,000.00	\$ 66.00	\$ 16,500.00	\$ 48.40	\$ 12,100.00	\$ 61.50	\$ 15,375.00
47	#	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	\$6,750.00	\$ 6,750.00	\$ 26,000.00	\$ 26,000.00	\$ 38,000.00	\$ 38,000.00	\$ 28,600.00	\$ 28,600.00	\$ 26,000.00	\$ 26,000.00
48	#	X8803084	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4	\$275.00	\$ 1,100.00	\$ 4,500.00	\$ 18,000.00	\$ 4,800.00	\$ 19,200.00	\$ 4,950.00	\$ 19,800.00	\$ 4,500.00	\$ 18,000.00
49	#	X8803088	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3	\$470.00	\$ 1,410.00	\$ 6,400.00	\$ 19,200.00	\$ 6,800.00	\$ 20,400.00	\$ 7,040.00	\$ 21,120.00	\$ 6,400.00	\$ 19,200.00
50	#	X8803210	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3	\$470.00	\$ 1,410.00	\$ 3,400.00	\$ 10,200.00	\$ 3,600.00	\$ 10,800.00	\$ 3,740.00	\$ 11,220.00	\$ 3,400.00	\$ 10,200.00
51	#	XX009055	FULL-ACTUATED CONTROLLER, SPECIAL	EACH	4	\$3,950.00	\$ 15,800.00	\$ 100.00	\$ 400.00	\$ 125.00	\$ 500.00	\$ 110.00	\$ 440.00	\$ 10.00	\$ 40.00
52	#	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	\$2,500.00	\$ 2,500.00	\$ 15,000.00	\$ 15,000.00	\$ 6,500.00	\$ 6,500.00	\$ 20,000.00	\$ 20,000.00	\$ 22,000.00	\$ 22,000.00
53	#	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	8	\$800.00	\$ 6,400.00	\$ 400.00	\$ 3,200.00	\$ 600.00	\$ 4,800.00	\$ 700.00	\$ 5,600.00	\$ 450.00	\$ 3,600.00
54	#	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	4	\$1,000.00	\$ 4,000.00	\$ 750.00	\$ 3,000.00	\$ 1,500.00	\$ 6,000.00	\$ 1,000.00	\$ 4,000.00	\$ 1,445.00	\$ 5,780.00
55	#		CLASS D PATCHES, 8 INCH (SPECIAL)	SQ YD	740	\$60.00	\$ 44,400.00	\$ 85.00	\$ 62,900.00	\$ 50.00	\$ 37,000.00	\$ 90.00	\$ 66,600.00	\$ 91.00	\$ 67,340.00
56	#		COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	900	\$55.00	\$ 49,500.00	\$ 65.00	\$ 58,500.00	\$ 60.00	\$ 54,000.00	\$ 60.00	\$ 54,000.00	\$ 68.00	\$ 61,200.00
57	#		HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6" (SPECIAL)	SQ YD	20	\$100.00	\$ 2,000.00	\$ 120.00	\$ 2,400.00	\$ 200.00	\$ 4,000.00	\$ 70.00	\$ 1,400.00	\$ 164.00	\$ 3,280.00
58	#		HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH - EDGE GRIND 1.75" MAX. DEPTH	SQ YD	2450	\$4.00	\$ 9,800.00	\$ 4.00	\$ 9,800.00	\$ 4.50	\$ 11,025.00	\$ 4.00	\$ 9,800.00	\$ 5.50	\$ 13,475.00
59	#		PARKWAY RESTORATION - SEEDING	SQ YD	630	\$12.00	\$ 7,560.00	\$ 10.00	\$ 6,300.00	\$ 11.00	\$ 6,930.00	\$ 11.00	\$ 6,930.00	\$ 15.00	\$ 9,450.00
60	#		PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" (HI-EARLY STRENGTH)	SQ YD	10	\$200.00	\$ 2,000.00	\$ 200.00	\$ 2,000.00	\$ 250.00	\$ 2,500.00	\$ 500.00	\$ 5,000.00	\$ 178.00	\$ 1,780.00

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