

8. Resolution awarding a contract with J.Ranck Electric, Inc. for Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at various locations in the amount of \$2,048,999.20 with total amount not-to-exceed \$2,932,000.00



Item Number: 8

# CITY OF GRAND RAPIDS AGENDA ACTION REQUEST

**DATE:** June 10, 2025

**TO:** Mark Washington, City Manager

**COMMITTEE:** Community Development Committee

**LIAISON:** Mary Kate Berens, Deputy City Manager

**FROM:** Tim Burkman, City Engineer  
Engineering Department

**SUBJECT:** **Resolution awarding a contract with J.Ranck Electric, Inc. for Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at various locations in the amount of \$2,048,999.20 with total amount not-to-exceed \$2,932,000.00**

This work consists of installing traffic signals at Division Avenue and Andre Street, Lake Drive and Carlton Avenue, Pearl Street and Monroe Avenue, Pearl Street and Front Avenue as well as installing Rectangular Rapid Flashing Beacons (RRFB) at Leonard Street and Fremont Avenue, and Wealthy Street at Barth Avenue. The project also includes curb and gutter modifications at various intersections as well as pavement markings and sign installations.

Bids were received on June 3, 2025 for this project. The engineer's estimate, prepared by Hubbell, Roth & Clark, Inc. (HRC), is \$2,027,313 and J.Ranck Electric, Inc. submitted a bid of \$2,048,999.20. J.Ranck Electric, Inc. will be utilizing a Micro Local Business Enterprise for a total amount of \$96,007.

The attached resolution provides for the award of the construction contract for this project to J. Ranck Electric, Inc., in the amount of \$2,048,999.20 with total expenditures not to exceed \$2,932,000.00. This amount includes the costs of the construction contract, previously authorized design phase services by HRC, construction phase services including inspection by HRC, public information program, traffic safety and street lighting force account work, administration, and contingencies. HRC will provide the construction phase services including inspection pursuant to their existing term contract with the City.

This project is being financed by the Vital Streets Fund (Traffic Safety) and Parking System Fund. Budget requests in both are necessary to finance a portion of this project and will be presented for consideration and approval at a future date.

cc: Amaad Hardy

Tricia Chapman  
Molly Clarin

#23043

Your COMMUNITY DEVELOPMENT COMMITTEE recommends the adoption of the following resolution awarding a contract to J.Ranck Electric, Inc., and authorizing expenditures in connection with Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at various locations.

WHEREAS, bids were received on June 3, 2025 for the following project:

Traffic Signal and Rectangular Rapidly Flashing Beacon  
Improvements at various locations  
(hereinafter referred to as the "Project")

and J.Ranck Electric, Inc., submitted a bid of \$2,048,999.20 for which the engineer's estimate, prepared by Hubbell, Roth & Clark, Inc. (HRC), is \$2,027,313; therefore

RESOLVED:

1. That the bid of J.Ranck Electric, Inc., be accepted and that, upon approval as to form by the City Attorney, the Mayor and City Clerk be authorized to execute the contract documents for the Project on behalf of the City.
2. That total expenditures for the Project be authorized in an amount not to exceed \$2,932,000.00 which includes the costs of the construction contract, previously authorized design phase services by HRC, construction phase services including inspection by HRC, public information program, traffic safety and street lighting force account work, administration, and contingencies. Said amount of \$2,932,000.00 to be charged to the applicable codes currently defined as follows: \$1,410,292.00 to Code No. 5141-52390-98800000-20032-514120032, \$800,436.00 to Code No. 5141-52390-98800000-19077-514119077 and \$721,272.00 to Code No. 4090-51990-98800000-25008-409025008.
3. That the City Comptroller is hereby authorized and directed to make payment, in amounts and to said payees, as the City Engineer or his designee requests in connection with the Project.

**CORRECT IN FORM**  
  
**DEPARTMENT OF LAW**

## SUMMARY OF ESTIMATED COSTS

for

### Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at Various Locations

#### Project Funding Source(s)

	<u>Currently Approved</u>	<u>Budget Request(s)</u>	<u>Revised Project Estimate</u>
Vital Streets Fund (Traffic Safety)	\$400,000	\$321,272	\$721,272
Parking System Fund	\$1,128,000	\$1,082,728	\$2,210,728
Total Project Sources	<u>\$1,528,000</u>	<u>\$1,404,000</u>	<u>\$2,932,000</u>

#### Breakdown of Project Uses

Construction Contract	\$2,048,999.20
Previously Authorized Design Phase	115,665.46
Services by Hubbell, Roth & Clark, Inc.	
Construction Phase Services Including	304,096.95
Inspection by Hubbell, Roth & Clark, Inc.	
Public Information Program	2,000.00
Traffic Safety and Street Lighting Force	23,000.00
Account Work	
Administration	<u>124,803.85</u>
Sub-Total	\$2,618,565.46
Contingencies	<u>313,434.54</u>
Total Project Uses	<u>\$2,932,000.00</u>

Reviewed by PM: Reviewed by BM: 

						Bids Received: at: 6/3/2025 11:00 AM	at the City Engineer's Office		
Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at VARIOUS LOCATIONS 2024-1					ENGINEER'S ESTIMATE	J RANCK ELECTRIC INC	STRAIN ELECTRIC COMPANY LLC		
File No. 23043					Original Bid Amount (TOTAL)	\$ 2,027,313.00	\$ 2,048,999.20	\$ 2,057,995.90	
Allowable Discount Points						1.5	1.5		
Allowable Discount Amount						\$ 30,734.99	\$ 30,869.94		
DISCOUNTED BID						\$ 2,018,264.21	\$ 2,027,125.96		
Discounted BID Ranking No.						1	2		
Item Number	Item Description	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Mobilization, Max (\$186,000.00)	Lump Sum	1	\$ 186,000.00	\$ 186,000.00	\$ 186,000.00	\$ 186,000.00	\$ 186,000.00	\$ 186,000.00
2	Tree, Rem, 6 inch to 18 inch	Each	4	\$ 250.00	\$ 1,000.00	\$ 270.00	\$ 1,080.00	\$ 130.00	\$ 520.00
3	Soil Erosion and Sedimentation Control	Lump Sum	1	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 4,000.00	\$ 4,000.00
4	Soil Erosion and Sedimentation Control Plan	Lump Sum	1	\$ 7,800.00	\$ 7,800.00	\$ 650.00	\$ 650.00	\$ 8,000.00	\$ 8,000.00
5	Storm Water Operator's Inspection	Each	30	\$ 100.00	\$ 3,000.00	\$ 50.00	\$ 1,500.00	\$ 75.00	\$ 2,250.00
6	Pavt, Rem, Full Depth	Square Yard	367	\$ 10.00	\$ 3,670.00	\$ 38.00	\$ 13,946.00	\$ 20.00	\$ 7,340.00
7	Brick Pavt, Rem and Salv Brick Pavers, Full Depth	Square Yard	55	\$ 60.00	\$ 3,300.00	\$ 38.00	\$ 2,090.00	\$ 70.00	\$ 3,850.00
8	Abandon and Fill Underground Utility, 10 inch Dia.	Foot	5	\$ 12.00	\$ 60.00	\$ 30.00	\$ 150.00	\$ 22.00	\$ 110.00
9	Mh, Valve Chamber, or Catch Basin, Rem	Each	1	\$ 600.00	\$ 600.00	\$ 650.00	\$ 650.00	\$ 675.00	\$ 675.00
10	Con Curb and Gutter, Rem	Foot	1,315	\$ 10.00	\$ 13,150.00	\$ 22.00	\$ 28,930.00	\$ 15.00	\$ 19,725.00
11	Conc Sidewalk, Driveway and Approach, Rem	Square Foot	5,372	\$ 14.00	\$ 75,208.00	\$ 4.00	\$ 21,488.00	\$ 2.00	\$ 10,744.00
12	Sign, Remove and Salvage	Each	60	\$ 50.00	\$ 3,000.00	\$ 75.00	\$ 4,500.00	\$ 58.00	\$ 3,480.00
13	Aggregate Base, 6 inch	Square Yard	998	\$ 30.00	\$ 29,940.00	\$ 25.00	\$ 24,950.00	\$ 22.00	\$ 21,956.00
14	Storm Sewer, C76 CI IV, 12 inch	Foot	70	\$ 70.00	\$ 4,900.00	\$ 98.00	\$ 6,860.00	\$ 94.00	\$ 6,580.00
15	Catch basin, 4 foot dia, per Det S-3	Each	4	\$ 3,000.00	\$ 12,000.00	\$ 5,700.00	\$ 22,800.00	\$ 4,500.00	\$ 18,000.00
16	Mh or Catch basin, Rebuild with flattop, Det S-10	Each	4	\$ 1,000.00	\$ 4,000.00	\$ 2,000.00	\$ 8,000.00	\$ 1,000.00	\$ 4,000.00
17	Catch basin casting, Furn	Each	4	\$ 650.00	\$ 2,600.00	\$ 800.00	\$ 3,200.00	\$ 850.00	\$ 3,400.00
18	Hand Patching	Ton	45	\$ 200.00	\$ 9,000.00	\$ 360.00	\$ 16,200.00	\$ 500.00	\$ 22,500.00
19	Conc Pavt, Nonreinf, modified, 6 inch	Square Yard	51	\$ 65.00	\$ 3,315.00	\$ 72.00	\$ 3,672.00	\$ 72.00	\$ 3,672.00
20	Curb and Gutter, (24) x (18) inch pan, Det P-5	Foot	809	\$ 23.00	\$ 18,607.00	\$ 27.00	\$ 21,843.00	\$ 27.00	\$ 21,843.00
21	Valley Gutter, (24) x (9) inch, Det P-5C	Foot	44	\$ 32.00	\$ 1,408.00	\$ 27.00	\$ 1,188.00	\$ 27.00	\$ 1,188.00
22	Sidewalk Ramp, ADA curb	Foot	22	\$ 40.00	\$ 880.00	\$ 26.00	\$ 572.00	\$ 26.00	\$ 572.00
23	Sidewalk, Conc, 4 inch	Square Foot	338	\$ 6.00	\$ 2,028.00	\$ 6.00	\$ 2,028.00	\$ 6.00	\$ 2,028.00
24	Curb Ramp, Conc, 6 inch	Square Foot	4,629	\$ 8.00	\$ 37,032.00	\$ 8.50	\$ 39,346.50	\$ 9.50	\$ 43,975.50
25	Detectable Warning Surface	Foot	185	\$ 80.00	\$ 14,800.00	\$ 80.00	\$ 14,800.00	\$ 80.00	\$ 14,800.00
26	Curb Ramp Opening, Conc	Foot	313	\$ 31.00	\$ 9,703.00	\$ 26.00	\$ 8,138.00	\$ 26.00	\$ 8,138.00
27	Driveway, Nonreinf Conc, 6 inch	Square Yard	27	\$ 100.00	\$ 2,700.00	\$ 72.00	\$ 1,944.00	\$ 72.00	\$ 1,944.00
28	Brick Pavt	Square Yard	5	\$ 275.00	\$ 1,375.00	\$ 600.00	\$ 3,000.00	\$ 400.00	\$ 2,000.00
29	Brick Pavt, Salvd Pavers	Square Yard	50	\$ 100.00	\$ 5,000.00	\$ 180.00	\$ 9,000.00	\$ 300.00	\$ 15,000.00
30	Maintaining traffic, (estimated 180 days)	Lump Sum	1	\$ 90,000.00	\$ 90,000.00	\$ 136,000.00	\$ 136,000.00	\$ 85,000.00	\$ 85,000.00
31	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	Foot	2,094	\$ 6.50	\$ 13,611.00	\$ 6.50	\$ 13,611.00	\$ 6.50	\$ 13,611.00
32	Pavt Mrkg, Polyurea, 12 inch, Stop Bar	Foot	424	\$ 17.50	\$ 7,420.00	\$ 6.50	\$ 2,756.00	\$ 6.50	\$ 2,756.00
33	Pavt Mrkg, Polyurea, 4 inch, White	Foot	5,408	\$ 1.50	\$ 8,112.00	\$ 1.10	\$ 5,948.80	\$ 1.10	\$ 5,948.80
34	Pavt Mrkg, Polyurea, 6 inch, White	Foot	1,178	\$ 1.50	\$ 1,767.00	\$ 1.30	\$ 1,531.40	\$ 1.30	\$ 1,531.40
35	Pavt Mrkg, Polyurea, 4 inch, Safety Yellow	Foot	5,606	\$ 1.50	\$ 8,409.00	\$ 1.10	\$ 6,166.60	\$ 1.10	\$ 6,166.60
36	Pavt Mrkg, Polyurea, Bike	Each	22	\$ 150.00	\$ 3,300.00	\$ 150.00	\$ 3,300.00	\$ 150.00	\$ 3,300.00
37	Pavt Mrkg, Polyurea, Sharrow Sym	Each	7	\$ 250.00	\$ 1,750.00	\$ 250.00	\$ 1,750.00	\$ 250.00	\$ 1,750.00
38	Pavt Mrkg, Polyurea, Bike Thru Arrow Sym	Each	21	\$ 150.00	\$ 3,150.00	\$ 150.00	\$ 3,150.00	\$ 150.00	\$ 3,150.00
39	Pavt Mrkg, Polyurea, Bike Lt Turn Arrow Sym	Each	1	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
40	Pavt Mrkg, Polyurea, Thru and Lt Turn Arrow Sym	Each	2	\$ 250.00	\$ 500.00	\$ 295.00	\$ 590.00	\$ 295.00	\$ 590.00
41	Pavt Mrkg, Polyurea, Lt Turn Arrow Sym	Each	3	\$ 250.00	\$ 750.00	\$ 250.00	\$ 750.00	\$ 250.00	\$ 750.00
42	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym	Each	2	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00	\$ 240.00	\$ 480.00
43	Pavt Mrkg, Polyurea, Thru Arrow Sym	Each	2	\$ 250.00	\$ 500.00	\$ 240.00	\$ 480.00	\$ 3.50	\$ 7.00
44	Rem Spec Mrkg	Square Foot	1,910	\$ 2.50	\$ 4,775.00	\$ 3.50	\$ 6,685.00	\$ 3.50	\$ 6,685.00
45	Recessing Pavt Mrkg, Transv	Square Foot	3,706	\$ 4.00	\$ 14,824.00	\$ 3.50	\$ 12,971.00	\$ 14.95	\$ 55,404.70
46	Turf Establishment	Square Yard	316	\$ 10.00	\$ 3,160.00	\$ 17.50	\$ 5,530.00	\$ 16.00	\$ 5,056.00
47	Turf Watering	Each	22	\$ 342.00	\$ 7,524.00	\$ 250.00	\$ 5,500.00	\$ 400.00	\$ 8,800.00
48	Direct Buried Conduit, (1), 1.5 inch, schedule 40 PV	Foot	45	\$ 40.00	\$ 1,800.00	\$ 60.00	\$ 2,700.00	\$ 20.00	\$ 900.00

Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at VARIOUS LOCATIONS 2024-1				ENGINEER'S ESTIMATE		J RANCK ELECTRIC INC		STRAIN ELECTRIC COMPANY LLC	
File No. 23043				Original Bid Amount (TOTAL)		\$ 2,027,313.00		\$ 2,048,999.20	
				Allowable Discount Points		1.5		1.5	
				Allowable Discount Amount		\$ 30,734.99		\$ 30,869.94	
				DISCOUNTED BID		\$ 2,018,264.21		\$ 2,027,125.96	
				Discounted BID Ranking No.		1		2	
49	Direct Buried Conduit, (1), 2 inch, schedule 40 PV	Foot	320	\$ 45.00	\$ 14,400.00	\$ 26.00	\$ 8,320.00	\$ 25.00	\$ 8,000.00
50	Direct Buried Conduit, (2), 3 inch, schedule 40 PV	Foot	190	\$ 120.00	\$ 22,800.00	\$ 36.00	\$ 6,840.00	\$ 55.00	\$ 10,450.00
51	Direct Buried Conduit, (4) 3 Inch, Schedule 40 PVC	Foot	125	\$ 200.00	\$ 25,000.00	\$ 50.00	\$ 6,250.00	\$ 65.00	\$ 8,125.00
52	Sign Post	Each	10	\$ 50.00	\$ 500.00	\$ 225.00	\$ 2,250.00	\$ 170.00	\$ 1,700.00
53	Sign	Each	153	\$ 20.00	\$ 3,060.00	\$ 40.00	\$ 6,120.00	\$ 125.00	\$ 19,125.00
54	Pavt Mrkg, Bike Lane, Green	Square Foot	642	\$ 30.00	\$ 19,260.00	\$ 14.95	\$ 9,597.90	\$ 14.95	\$ 9,597.90
55	Directional Bored Conduit, (2) 2 Inch, Schedule 40 PVC	Foot	305	\$ 150.00	\$ 45,750.00	\$ 71.00	\$ 21,655.00	\$ 35.00	\$ 10,675.00
56	Handhole, Precast Concrete 22-Inch Diameter x 40 Inch Deep	Each	3	\$ 2,000.00	\$ 6,000.00	\$ 2,325.00	\$ 6,975.00	\$ 2,000.00	\$ 6,000.00
57	Handhole, Precast Concrete 36-Inch Diameter x 44-Inch Deep	Each	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,500.00	\$ 3,500.00
58	Conduit(s), Connect to Existing	Each	33	\$ 500.00	\$ 16,500.00	\$ 175.00	\$ 5,775.00	\$ 1,000.00	\$ 33,000.00
59	Conductor, (4) #6 CU U.S.E. 600V Insulation	Foot	290	\$ 20.00	\$ 5,800.00	\$ 14.00	\$ 4,060.00	\$ 10.00	\$ 2,900.00
60	Conductor, (3) #6 CU U.S.E. 600V Insulation	Foot	1,705	\$ 16.00	\$ 27,280.00	\$ 10.00	\$ 17,050.00	\$ 9.00	\$ 15,345.00
61	Conductor, IMSA 3C #14 CU	Foot	195	\$ 5.00	\$ 975.00	\$ 5.00	\$ 975.00	\$ 5.00	\$ 975.00
62	Clamp Style Bracket Arm on Signal Pole, 8-foot	Each	1	\$ 700.00	\$ 700.00	\$ 800.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00
63	Clamp Style Bracket Arm on Signal Pole, 30-Inch	Each	8	\$ 500.00	\$ 4,000.00	\$ 650.00	\$ 5,200.00	\$ 1,100.00	\$ 8,800.00
64	Street Light Type J	Each	8	\$ 600.00	\$ 4,800.00	\$ 1,625.00	\$ 13,000.00	\$ 3,000.00	\$ 24,000.00
65	Remove of Existing Lighting System	Each	1	\$ 800.00	\$ 800.00	\$ 1,200.00	\$ 1,200.00	\$ 10,000.00	\$ 10,000.00
66	Secondary Riser, 1 - 2 Inch	Each	2	\$ 1,250.00	\$ 2,500.00	\$ 1,075.00	\$ 2,150.00	\$ 2,500.00	\$ 5,000.00
67	Coating Galvanized Support Structures	Each	8	\$ 1,500.00	\$ 12,000.00	\$ 2,350.00	\$ 18,800.00	\$ 225.00	\$ 1,800.00
68	Serv Disconnect	Each	6	\$ 1,500.00	\$ 9,000.00	\$ 1,625.00	\$ 9,750.00	\$ 2,000.00	\$ 12,000.00
69	Case Sign, Rem	Each	4	\$ 150.00	\$ 600.00	\$ 300.00	\$ 1,200.00	\$ 200.00	\$ 800.00
70	Case Sign (LED), One Way, 24 Inch by 30 Inch	Each	3	\$ 2,000.00	\$ 6,000.00	\$ 2,650.00	\$ 7,950.00	\$ 2,700.00	\$ 8,100.00
71	Controller and Cabinet, Rem	Each	2	\$ 350.00	\$ 700.00	\$ 300.00	\$ 600.00	\$ 500.00	\$ 1,000.00
72	Controller Fdn, Base Mtd	Each	3	\$ 3,000.00	\$ 9,000.00	\$ 3,775.00	\$ 11,325.00	\$ 3,500.00	\$ 10,500.00
73	Fdn, Rem	Each	6	\$ 750.00	\$ 4,500.00	\$ 600.00	\$ 3,600.00	\$ 1,500.00	\$ 9,000.00
74	Managed Field Ethernet Switch, Type, Modified	Each	4	\$ 13,000.00	\$ 52,000.00	\$ 13,825.00	\$ 55,300.00	\$ 14,250.00	\$ 57,000.00
75	Pedestal, Alum	Each	11	\$ 1,100.00	\$ 12,100.00	\$ 1,200.00	\$ 13,200.00	\$ 2,000.00	\$ 22,000.00
76	Pedestal, Pushbutton, Alum	Each	12	\$ 1,000.00	\$ 12,000.00	\$ 750.00	\$ 9,000.00	\$ 1,000.00	\$ 12,000.00
77	Pedestal, Fdn	Each	21	\$ 1,250.00	\$ 26,250.00	\$ 1,275.00	\$ 26,775.00	\$ 1,500.00	\$ 31,500.00
78	Pedestal Fdn, Rem	Each	2	\$ 500.00	\$ 1,000.00	\$ 300.00	\$ 600.00	\$ 500.00	\$ 1,000.00
79	Pedestal, Rem	Each	3	\$ 100.00	\$ 300.00	\$ 150.00	\$ 450.00	\$ 150.00	\$ 450.00
80	Push Button and Sign	Each	4	\$ 700.00	\$ 2,800.00	\$ 1,450.00	\$ 5,800.00	\$ 1,100.00	\$ 4,400.00
81	Push Button Station and Sign	Each	24	\$ 1,300.00	\$ 31,200.00	\$ 1,575.00	\$ 37,800.00	\$ 1,200.00	\$ 28,800.00
82	Pedestrian Signal System, Accessible	Each	3	\$ 4,100.00	\$ 12,300.00	\$ 4,950.00	\$ 14,850.00	\$ 4,700.00	\$ 14,100.00
83	Span Wire, Rem	Each	1	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00
84	Steel Pole, Rem	Each	3	\$ 450.00	\$ 1,350.00	\$ 300.00	\$ 900.00	\$ 1,000.00	\$ 3,000.00
85	Span Wire	Each	7	\$ 1,700.00	\$ 11,900.00	\$ 1,875.00	\$ 13,125.00	\$ 1,750.00	\$ 12,250.00
86	Span Wire Tether	Each	7	\$ 2,150.00	\$ 15,050.00	\$ 1,700.00	\$ 11,900.00	\$ 2,000.00	\$ 14,000.00
87	TS, Bracket Arm Mtd, Rem	Each	4	\$ 125.00	\$ 500.00	\$ 300.00	\$ 1,200.00	\$ 200.00	\$ 800.00
88	TS, Mast Arm Mtd, Rem	Each	8	\$ 165.00	\$ 1,320.00	\$ 300.00	\$ 2,400.00	\$ 200.00	\$ 1,600.00
89	TS, Pedestrian, Bracket Arm Mtd, Rem	Each	6	\$ 115.00	\$ 690.00	\$ 300.00	\$ 1,800.00	\$ 150.00	\$ 900.00
90	TS, Pedestrian, Pedestal Mtd, Rem	Each	3	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 150.00	\$ 450.00
91	TS, Span Wire Mtd, Rem	Each	4	\$ 130.00	\$ 520.00	\$ 300.00	\$ 1,200.00	\$ 200.00	\$ 800.00
92	TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	Each	5	\$ 1,500.00	\$ 7,500.00	\$ 1,550.00	\$ 7,750.00	\$ 1,100.00	\$ 5,500.00
93	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	Each	1	\$ 1,900.00	\$ 1,900.00	\$ 2,200.00	\$ 2,200.00	\$ 1,600.00	\$ 1,600.00
94	TS, Pedestrian, Two Way Bracket Arm Mtd (LED), 48 VDC	Each	1	\$ 1,900.00	\$ 1,900.00	\$ 2,425.00	\$ 2,425.00	\$ 1,900.00	\$ 1,900.00
95	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	Each	13	\$ 1,500.00	\$ 19,500.00	\$ 1,750.00	\$ 22,750.00	\$ 1,450.00	\$ 18,850.00

Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at VARIOUS LOCATIONS 2024-1				ENGINEER'S ESTIMATE		J RANCK ELECTRIC INC		STRAIN ELECTRIC COMPANY LLC	
File No. 23043				Original Bid Amount (TOTAL)		\$ 2,027,313.00		\$ 2,048,999.20	
				Allowable Discount Points		1.5		1.5	
				Allowable Discount Amount		\$ 30,734.99		\$ 30,869.94	
				DISCOUNTED BID		\$ 2,018,264.21		\$ 2,027,125.96	
				Discounted BID Ranking No.		1		2	
96	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	Each	2	\$ 1,900.00	\$ 3,800.00	\$ 2,350.00	\$ 4,700.00	\$ 2,000.00	\$ 4,000.00
97	TS, Pedestrian, Two Way Pedestal Mtd (LED), 48 VDC	Each	4	\$ 1,900.00	\$ 7,600.00	\$ 2,600.00	\$ 10,400.00	\$ 2,200.00	\$ 8,800.00
98	TS, One Way Span Wire Mtd (LED), Long Life	Each	16	\$ 1,300.00	\$ 20,800.00	\$ 1,525.00	\$ 24,400.00	\$ 1,100.00	\$ 17,600.00
99	TS, One Way Mast Arm Mtd (LED), Long Life	Each	8	\$ 1,500.00	\$ 12,000.00	\$ 1,675.00	\$ 13,400.00	\$ 1,250.00	\$ 10,000.00
100	TS, One Way Mast Arm Mtd (LED), 48 VDC	Each	8	\$ 1,500.00	\$ 12,000.00	\$ 1,800.00	\$ 14,400.00	\$ 1,450.00	\$ 11,600.00
101	TS, One Way Mast Arm Mtd, FYA (LED), 48 VDC	Each	4	\$ 1,900.00	\$ 7,600.00	\$ 2,050.00	\$ 8,200.00	\$ 1,800.00	\$ 7,200.00
102	Hemispherical Video Detection Camera	Each	2	\$ 9,000.00	\$ 18,000.00	\$ 7,500.00	\$ 15,000.00	\$ 6,150.00	\$ 12,300.00
103	Hemispherical Video Detection System	Each	2	\$ 25,000.00	\$ 50,000.00	\$ 25,500.00	\$ 51,000.00	\$ 23,500.00	\$ 47,000.00
104	Hemispherical Video Detection Camera, Rem	Each	1	\$ 200.00	\$ 200.00	\$ 150.00	\$ 150.00	\$ 200.00	\$ 200.00
105	Hemispherical Video Detection System, Rem	Each	1	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 200.00	\$ 200.00
106	Bracket, Truss, with 18 foot Arm	Each	1	\$ 1,600.00	\$ 1,600.00	\$ 2,075.00	\$ 2,075.00	\$ 2,000.00	\$ 2,000.00
107	Casing	Foot	179	\$ 250.00	\$ 44,750.00	\$ 300.00	\$ 53,700.00	\$ 250.00	\$ 44,750.00
108	Backplate, TS	Each	36	\$ 250.00	\$ 9,000.00	\$ 225.00	\$ 8,100.00	\$ 250.00	\$ 9,000.00
109	TS, Uninterruptible Power System	Each	1	\$ 8,900.00	\$ 8,900.00	\$ 11,925.00	\$ 11,925.00	\$ 13,000.00	\$ 13,000.00
110	Strain Pole, Steel, Anchor Base, 30 foot	Each	7	\$ 12,000.00	\$ 84,000.00	\$ 6,175.00	\$ 43,225.00	\$ 12,500.00	\$ 87,500.00
111	Strain Pole, Steel, Anchor Base, 36 foot	Each	1	\$ 12,000.00	\$ 12,000.00	\$ 10,300.00	\$ 10,300.00	\$ 17,000.00	\$ 17,000.00
112	Strain Pole, Steel, Anchor Fdn	Each	8	\$ 6,500.00	\$ 52,000.00	\$ 9,700.00	\$ 77,600.00	\$ 8,125.00	\$ 65,000.00
113	Mast Arm, Rem	Each	3	\$ 450.00	\$ 1,350.00	\$ 1,200.00	\$ 3,600.00	\$ 2,000.00	\$ 6,000.00
114	Mast Arm Std, Rem	Each	4	\$ 450.00	\$ 1,800.00	\$ 1,175.00	\$ 4,700.00	\$ 1,000.00	\$ 4,000.00
115	Mast Arm Pole, Cat I	Each	6	\$ 9,500.00	\$ 57,000.00	\$ 15,000.00	\$ 90,000.00	\$ 14,800.00	\$ 88,800.00
116	Mast Arm, 25 foot, Cat I	Each	2	\$ 12,000.00	\$ 24,000.00	\$ 12,000.00	\$ 24,000.00	\$ 11,500.00	\$ 23,000.00
117	Mast Arm, 30 foot, Cat I	Each	1	\$ 15,000.00	\$ 15,000.00	\$ 15,500.00	\$ 15,500.00	\$ 12,000.00	\$ 12,000.00
118	Mast Arm, 35 foot, Cat I	Each	3	\$ 20,000.00	\$ 60,000.00	\$ 18,300.00	\$ 54,900.00	\$ 16,850.00	\$ 50,550.00
119	Mast Arm, 40 foot, Cat I	Each	2	\$ 25,000.00	\$ 50,000.00	\$ 26,800.00	\$ 53,600.00	\$ 17,200.00	\$ 34,400.00
120	Mast Arm Pole Fdn, 6 Bolt	Foot	114	\$ 850.00	\$ 96,900.00	\$ 600.00	\$ 68,400.00	\$ 650.00	\$ 74,100.00
121	Gateway Element, R1-6a Sign, Double-Sided	Each	3	\$ 500.00	\$ 1,500.00	\$ 675.00	\$ 2,025.00	\$ 800.00	\$ 2,400.00
122	TS, Wireless Link, 5 Gigahertz, Remote	Each	1	\$ 6,000.00	\$ 6,000.00	\$ 5,775.00	\$ 5,775.00	\$ 5,000.00	\$ 5,000.00
123	Cellular Modem, TS, 4th G	Each	1	\$ 1,250.00	\$ 1,250.00	\$ 1,300.00	\$ 1,300.00	\$ 1,550.00	\$ 1,550.00
124	ATC Controller	Each	1	\$ 5,000.00	\$ 5,000.00	\$ 7,125.00	\$ 7,125.00	\$ 6,700.00	\$ 6,700.00
125	ATC Cabinet, 32 Output	Each	1	\$ 42,000.00	\$ 42,000.00	\$ 59,375.00	\$ 59,375.00	\$ 56,500.00	\$ 56,500.00
126	ATC Cabinet Operational Test Certification	Each	1	\$ 1,700.00	\$ 1,700.00	\$ 3,100.00	\$ 3,100.00	\$ 3,000.00	\$ 3,000.00
127	Controller, NEMA, ATC Type, Modified	Each	3	\$ 5,000.00	\$ 15,000.00	\$ 5,525.00	\$ 16,575.00	\$ 5,200.00	\$ 15,600.00
128	Cabinet, NEMA Type, Modified	Each	3	\$ 23,500.00	\$ 70,500.00	\$ 21,450.00	\$ 64,350.00	\$ 24,500.00	\$ 73,500.00
129	Opticom GPS System	Each	4	\$ 16,000.00	\$ 64,000.00	\$ 14,125.00	\$ 56,500.00	\$ 14,000.00	\$ 56,000.00
130	Opticom GPS System, Rem	Each	1	\$ 200.00	\$ 200.00	\$ 300.00	\$ 300.00	\$ 200.00	\$ 200.00
131	Opticom Infrared, Rem	Each	1	\$ 200.00	\$ 200.00	\$ 300.00	\$ 300.00	\$ 200.00	\$ 200.00
132	Street Name Sign, One Way, Non-Illuminated	Each	2	\$ 1,000.00	\$ 2,000.00	\$ 1,925.00	\$ 3,850.00	\$ 1,600.00	\$ 3,200.00
133	Street Name Sign, Two Way, Non-Illuminated	Each	14	\$ 1,000.00	\$ 14,000.00	\$ 2,225.00	\$ 31,150.00	\$ 1,800.00	\$ 25,200.00
134	Street Name Sign, Bracket Arm	Each	2	\$ 2,000.00	\$ 4,000.00	\$ 2,375.00	\$ 4,750.00	\$ 2,500.00	\$ 5,000.00
135	Steel Pole Mounting Hub	Each	24	\$ 60.00	\$ 1,440.00	\$ 200.00	\$ 4,800.00	\$ 50.00	\$ 1,200.00
136	Fish Beacon, Rectangular Rapid	Each	4	\$ 6,500.00	\$ 26,000.00	\$ 6,500.00	\$ 26,000.00	\$ 9,500.00	\$ 38,000.00
137	Audible Pedestrian Beacon	Each	10	\$ 1,000.00	\$ 10,000.00	\$ 1,050.00	\$ 10,500.00	\$ 1,000.00	\$ 10,000.00
138	Fiber Optic, Splice Enclosure, Wall-Mounted, Small	Each	2	\$ 6,000.00	\$ 12,000.00	\$ 4,900.00	\$ 9,800.00	\$ 800.00	\$ 1,600.00
139	Fiber Optic, Pigtail	Each	24	\$ 50.00	\$ 1,200.00	\$ 25.00	\$ 600.00	\$ 35.00	\$ 840.00
140	Pavt Mrkg, Longit, 6 inch or Less Width, Rem	Foot	8,040	\$ 1.00	\$ 8,040.00	\$ 0.90	\$ 7,236.00	\$ 0.90	\$ 7,236.00

EBO - Construction Worksheet

Traffic Signal and Rectangular Rapidly Flashing Beacon Improvements at VARIOUS LOCATIONS 2024-1 , File No. 23043				
	J RANCK ELECTRIC INC		STRAIN ELECTRIC COMPANY LLC	
Original Bid Amounts (Total)	\$2,048,999.20		\$2,057,995.90	
Prosperous Economy (A)	MLBE-		MLBE-	
	MARIE CONCRETE LLC	\$96,007	MARIE CONCRETE LLC	\$96,007
Total Micro-LBE Participation	4.69%	\$ 96,007	4.67%	\$ 96,007
Micro-LBE Discount Points		1.50		1.50
SUMMARY:				
Prosperous Economy (A)		1.50		1.50
Registered Apprenticeship (A)				
Social Equity (B)				
Prosperous Economy - Annual (C)				
Enriched Lives (D)				
Clean Environment (E)				
TOTAL DISCOUNT POINTS		1.5		1.5
Allowable Discount Points		1.5		1.5
Discount Amount	\$	30,734.99	\$	30,869.94
Allowable Discount Amount	\$	30,734.99	\$	30,869.94
DISCOUNTED BID	\$	2,018,264.21	\$	2,027,125.96
Discounted BID Ranking		1		2