



City of Mora
Kanabec County, Minnesota
Meeting Agenda
Public Utilities Commission

Mora City Hall
101 Lake St. S
Mora, MN 55051

Friday, October 2, 2020

3:00 PM

Mora City Hall

- 1. Call to Order**
- 2. Roll Call**
- 3. Adopt Agenda** *(No item of business shall be considered unless it appears on the agenda for the meeting. Council members may add items to the agenda prior to adoption of the agenda.)*
- 4. Special Business**
 - a. Transmission & Distribution Pole Replacement Project – Hwy 65/ Mora Lake – Award Contract
- 5. Reports**
 - a. Public Utilities General Manager
 - b. Public Works Director
 - c. Commissioner Baldwin
 - d. Commissioner Christianson
 - e. Chair Ardner
- 6. Adjournment**



MEMORANDUM

Date October 2, 2020
To Public Utilities Commission
From Joseph Kohlgraf, Public Works Director
RE Transmission & Distribution Pole Replacement Project – Hwy 65/ Mora Lake – Award Contract

SUMMARY

SMMPA is planning to replace transmission poles along Hwy. 65/Mora Lake this fall. DGR was given the task to put together an underground replacement package. In May, the PUC started the process to move forward with an underground project, designed and organized by our electrical contractor DGR, in order to update lines and equipment, efficiency for future development on north side of lake and minimize down time for the SMMPA project. Bids were received and it is now time to award the contractor and begin the project.

BACKGROUND INFORMATION

In previous meetings and conversations, it has been discussed that the existing overhead distribution line would need to be moved in order for the SMMPA transmission line pole replacement project to move forward. It was recommended by staff and ultimately decided by the PUC that the lines should be removed off the poles and install updated underground wiring and equipment.

DGR put together estimates for materials and construction costs for a previous PUC meeting, and DGR was directed to obtain quotes for construction of the project. At the same time, staff was directed to order necessary materials. The majority of the materials needed for the project have arrived, and DGR received three quotes. Due to COVID-19 related issues this summer pertaining to shutdowns the quotes came in above the engineer's estimate. Although the quotes are higher than expected, staff believes we need to move forward with awarding the contract and beginning construction.

OPTIONS & IMPACTS

1. Accept a quote as supplied by DGR to move forward with project. This will secure a contractor, contractor start time, and allow time for contractor materials to arrive.
2. Reject the quotes. This will put the project on hold, changing timelines and work to be done and ultimately affecting SMMPA's project.

RECOMMENDATIONS

Motion to accept the quote from Anderson Underground in the amount of \$170,486.95 and award the distribution underbuild project contract to them.

Attachments

DGR Quote Summary

QUOTE SUMMARY

**ELECTRIC DISTRIBUTION UNDERBUILD RELOCATION
MORA MUNICIPAL UTILITIES
MORA, MINNESOTA**



DGR Project No. 427803
Quote Letting: September 10, 2020 - 1:00 p.m
DGR Office
Page 1 of 1

Bidder and Address	Total Quote	Comments
ANDERSON UNDERGROUND 4985 Quail Rd NE Sauk Rapids, MN 56379	\$170,486.95	
CASTREJON, INC. 9201 Isanti Street NE Blaine, MN 55449	\$175,884.00	
AEI CONSTRUCTION, INC. 150 2nd Ave. SW Perham, MN 56573	\$212,366.45	

QUOTE TABULATION

ELECTRIC DISTRIBUTION UNDERBUILD RELOCATION
 MORA MUNICIPAL UTILITIES
 MORA, MINNESOTA
 DGR Project No. 427803
 Quote Letting: September 10, 2020 - 1:00 p.m.



Unit No.	Name and Description of Construction Unit	No. of Units	ANDERSON UNDERGROUND				CASTREJON, INC.					
			Labor	Material	L & M	Ext. Price L & M	Labor	Material	L & M	Ext. Price L & M		
UD-1/0	Primary cable, 15 kV, 1/0 Sol. Al. (Mft.)	3.880	\$2,500.00	\$55.00	\$2,555.00	\$9,913.40	\$3,000.00		\$3,000.00	\$11,640.00		
UD-4/0	Primary cable, 15 kV, 4/0 Str. Al. (Mft.)	8.910	3,000.00	55.00	3,055.00	27,220.05	3,000.00		3,000.00	26,730.00		
UD-4/0 TPLX	Secondary cable, 600 V, 2-#4/0, 1-#2/0 Str. Al. (Mft.)	0.380	3,500.00	3,150.00	6,650.00	2,527.00	4,000.00		4,000.00	1,520.00		
UG-(25)	1Ø transformer, 25 kVA (ea.)	4	605.00	225.00	830.00	3,320.00	250.00	150.00	400.00	1,600.00		
UG3-(45)	3Ø transformer, 45 kVA (ea.)	1	13,000.00	400.00	13,400.00	13,400.00	250.00	150.00	400.00	400.00		
ULR-1	1Ø secondary riser (ea.)	3	1,050.00	200.00	1,250.00	3,750.00	98.00	120.00	218.00	654.00		
UM2-1 (1/0) (F)	1Ø primary riser, fused (ea.)	2	1,600.00	315.00	1,915.00	3,830.00	220.00	190.00	410.00	820.00		
UM2-3 (4/0) (B)	3Ø primary riser, bladed (ea.)	1	3,400.00	825.00	4,225.00	4,225.00	220.00	200.00	420.00	420.00		
UM3-1T(1/0)	Loadbreak elbow, 15 kV, 200 amp w/test point (ea.)	28	425.00	80.00	505.00	14,140.00	125.00		125.00	3,500.00		
UM3-3(4/0)	Deadbreak elbow, 15 kV, 600 amp (ea.)	3	425.00	500.00	925.00	2,775.00	150.00		150.00	450.00		
UM3-4	Insulated cap, 200 amp (ea.)	6	80.00	55.00	135.00	810.00	25.00	20.00	45.00	270.00		
UM40-4	Primary junction, 4 point, 200A (ea.)	3	80.00	250.00	330.00	990.00	1,200.00	1,800.00	3,000.00	9,000.00		
UM6-34EA	Elbow arrester (ea.)	5	100.00	175.00	275.00	1,375.00	50.00	65.00	115.00	575.00		
UM6-35PSA	Parking stand arrester (ea.)	1	80.00	350.00	430.00	430.00	50.00	65.00	115.00	115.00		
UM14-3S	Neutral-ground connection at splice, 3Ø (ea.)	3	215.00	275.00	490.00	1,470.00	300.00	200.00	500.00	1,500.00		
UM33-60	3Ø primary sectionalizing assembly (ea.)	6	2,350.00	275.00	2,625.00	15,750.00	1,600.00	1,800.00	3,400.00	20,400.00		
UM45-1(4/0)	Straight splice, primary 4/0 (ea.)	1	550.00	175.00	725.00	725.00	400.00	400.00	800.00	800.00		
UPS-(42)	Padmount switch, 4 bays, 2 gang-operated (ea.)	1	3,500.00	550.00	4,050.00	4,050.00	1,800.00		1,800.00	1,800.00		
UR5-(1)2P	Bore with conduit, (1)2" (Mft.)	0.630	8,500.00	900.00	9,400.00	5,922.00	10,000.00	2,000.00	12,000.00	7,560.00		
UR5-(2)2P	Bore with conduit, (2)2" (Mft.)	0.120	10,000.00	1,800.00	11,800.00	1,416.00	14,000.00	4,000.00	18,000.00	2,160.00		
UR5-(3)2P	Bore with conduit, (3)2" (Mft.)	1.030	12,000.00	2,700.00	14,700.00	15,141.00	15,000.00	4,000.00	19,000.00	19,570.00		
UR5-(4)2P	Bore with conduit, (4)2" (Mft.)	0.800	15,000.00	3,600.00	18,600.00	14,880.00	18,000.00	6,000.00	24,000.00	19,200.00		
UR6-(24)	Bore without conduit, 24" deep (Mft.)	0.190	8,000.00	0.00	8,000.00	1,520.00	12,000.00		12,000.00	2,280.00		
UR6-(42)	Bore without conduit, 42" deep (Mft.)	1.690	8,000.00	0.00	8,000.00	13,520.00	13,000.00		13,000.00	21,970.00		
UR-LDS	Lawn damage seeding (Mft.)	0.150	2,500.00	2,750.00	5,250.00	787.50	1,500.00	1,500.00	3,000.00	450.00		
IOT	1Ø overhead transformer removal (ea.)	1	850.00	0.00	850.00	850.00	2,000.00		2,000.00	2,000.00		
IUGVT	VØ transclosure removal (ea.)	1	750.00	0.00	750.00	750.00	3,500.00		3,500.00	3,500.00		
MOB	Mobilization (as req'd)	1	5,000.00	0.00	5,000.00	5,000.00	15,000.00		15,000.00	15,000.00		
TOTAL - CONSTRUCTION QUOTE			TOTAL QUOTE:				<u>\$170,486.95</u>	TOTAL QUOTE:				<u>\$175,884.00</u>

QUOTE TABULATION

ELECTRIC DISTRIBUTION UNDERBUILD RELOCATION
MORA MUNICIPAL UTILITIES
MORA, MINNESOTA
DGR Project No. 427803
Quote Letting: September 10, 2020 - 1:00 p.m.

**AEI CONSTRUCTION, INC.**

Unit No.	Name and Description of Construction Unit	No. of Units	AEI CONSTRUCTION, INC.			Ext. Price L & M
			Labor	Material	L & M	
UD-1/0	Primary cable, 15 kV, 1/0 Sol. Al. (Mft.)	3.880	\$2,500.00	\$194.40	\$2,694.40	\$10,454.27
UD-4/0	Primary cable, 15 kV, 4/0 Str. Al. (Mft.)	8.910	2,500.00	194.40	2,694.40	24,007.10
UD-4/0 TPLX	Secondary cable, 600 V, 2-#4/0, 1-#2/0 Str. Al. (Mft.)	0.380	2,500.00	194.40	2,694.40	1,023.87
UG-(25)	1Ø transformer, 25 kVA (ea.)	4	850.00	220.32	1,070.32	4,281.28
UG3-(45)	3Ø transformer, 45 kVA (ea.)	1	1,100.00	285.12	1,385.12	1,385.12
ULR-1	1Ø secondary riser (ea.)	3	750.00	421.20	1,171.20	3,513.60
UM2-1 (1/0) (F)	1Ø primary riser, fused (ea.)	2	1,800.00	2,086.56	3,886.56	7,773.12
UM2-3 (4/0) (B)	3Ø primary riser, bladed (ea.)	1	1,800.00	3,888.00	5,688.00	5,688.00
UM3-1T(1/0)	Loadbreak elbow, 15 kV, 200 amp w/test point (ea.)	28	90.00	58.32	148.32	4,152.96
UM3-3(4/0)	Deadbreak elbow, 15 kV, 600 amp (ea.)	3	90.00	609.12	699.12	2,097.36
UM3-4	Insulated cap, 200 amp (ea.)	6	25.00	38.88	63.88	383.28
UM40-4	Primary junction, 4 point, 200A (ea.)	3	85.00	2,107.30	2,192.30	6,576.90
UM6-34EA	Elbow arrester (ea.)	5	40.00	125.71	165.71	828.55
UM6-35PSA	Parking stand arrester (ea.)	1	40.00	254.02	294.02	294.02
UM14-3S	Neutral-ground connection at splice, 3Ø (ea.)	3	300.00	247.54	547.54	1,642.62
UM33-60	3Ø primary sectionalizing assembly (ea.)	6	1,200.00	4,082.40	5,282.40	31,694.40
UM45-1(4/0)	Straight splice, primary 4/0 (ea.)	1	225.00	123.12	348.12	348.12
UPS-(42)	Padmount switch, 4 bays, 2 gang-operated (ea.)	1	2,200.00	324.00	2,524.00	2,524.00
UR5-(1)2P	Bore with conduit, (1)2" (Mft.)	0.630	14,000.00	1,036.80	15,036.80	9,473.18
UR5-(2)2P	Bore with conduit, (2)2" (Mft.)	0.120	16,000.00	2,073.60	18,073.60	2,168.83
UR5-(3)2P	Bore with conduit, (3)2" (Mft.)	1.030	24,000.00	3,110.40	27,110.40	27,923.71
UR5-(4)2P	Bore with conduit, (4)2" (Mft.)	0.800	20,000.00	4,147.20	24,147.20	19,317.76
UR6-(24)	Bore without conduit, 24" deep (Mft.)	0.190	14,000.00	0.00	14,000.00	2,660.00
UR6-(42)	Bore without conduit, 42" deep (Mft.)	1.690	14,000.00	0.00	14,000.00	23,660.00
UR-LDS	Lawn damage seeding (Mft.)	0.150	2,000.00	1,296.00	3,296.00	494.40
IOT	1Ø overhead transformer removal (ea.)	1	500.00	0.00	500.00	500.00
IUGVT	VØ transclosure removal (ea.)	1	500.00	0.00	500.00	500.00
MOB	Mobilization (as req'd)	1	17,000.00	0.00	17,000.00	17,000.00
TOTAL - CONSTRUCTION QUOTE			TOTAL QUOTE:			\$212,366.45