

## COST ESTIMATE Part A

Project: MDU Mckenzie Sub Changes required to Serve Menards INC, Industrial Facility.

<i>CONSTRUCTION</i>	<u>Item</u>	<u>Cost each</u>	<u>Feet or Quantity</u>	<u>Amount</u>
1)	Material	Stores Material		\$9,172
			Material Total=	<u>\$9,172</u>
2)	Direct Labor		Unloaded	
		<u>Units</u>	<u>Quantity</u>	<u>Rate/Hour</u>
	Line Crew	Hours	416	\$38.00
	Engineering	Hours	80	\$48.00
	Engineering Asst.	Hours	0	\$38.00
	Construction Supv.	Hours	0	\$31.00
	Drafting	Hours	0	\$15.00
		Hours	<u>0</u>	<u>\$0</u>
			Total Labor=	<u>\$19,648</u>
2a)	Labor Loading		Payroll Loading	<u>\$9,235</u>
			Total Labor w/Loading	<u>\$28,883</u>
3)	Contract Charge		<u>Quantity</u>	<u>Cost Each</u>
	Install Transformer Pad		1	\$5,000.00
	Install Recloser Pad		1	\$1,500.00
	Crane		1	\$800.00
	Low Boy Trailer		1	\$750.00
				<u>\$0</u>
			TOTAL =	<u>\$8,050</u>
4)	Transportation & Equipment	<u>Units</u>	<u>Quantity</u>	<u>\$Rate/Unit</u>
	Line Truck	Hours	104	35.00
	Crew Pickup	Miles	520	1.65
	Engineering Car	Miles	400	0.50
	R/W CAR	Miles	0	0.60
	SPV. PICK.	Miles	0	0.70
	Man Lift Truck	Hours	104	23.00
				<u>\$2,392</u>
			TOTAL =	<u>\$7,090</u>
			SUB TOTAL =	<u>\$53,195</u>
		15.52	% OVERHEAD =	<u>\$8,256</u>
			CONSTRUCTION TOTAL =	<u>\$61,451</u>

*RETIREMENT*

1)	Salvage			\$0
2)	Cost of Removal		<u>Man-hours</u>	<u>Rate/Hr(\$)</u>
	CREW	MAN-HRS =	0	28.50
	LINE TRK	HRS =	0	32.00
	CREW PU.	MIS =	0	1.65
		HRS =	0	10.00
				<u>\$0</u>
			TOTAL =	<u>\$0</u>
			RETIRE TOTAL =	<u>\$0</u>
			PROJECT TOTAL =	<u>\$61,451</u>

## COST ESTIMATE Part B

Project: Mckenzie - Add Neutral to existing overhead line, Convert Town from 2.4 kV to 12kV, and convert 1200 feet of single phase overhead to three phase.

<i>CONSTRUCTION</i>	<u>Item</u>	<u>Cost each</u>	<u>Feet or Quantity</u>	<u>Amount</u>
1)	Material	Stores Material		\$5,798
			Material Total=	\$5,798
2)	Direct Labor		Unloaded	
		<u>Units</u>	<u>Quantity</u>	<u>Rate/Hour</u>
	Line Crew	Hours	288	\$38.00
	Engineering	Hours	40	\$48.00
	Engineering Asst.	Hours	0	\$38.00
	Construction Supv.	Hours	0	\$31.00
	Drafting	Hours	0	\$15.00
		Hours	0	\$0
			Total Labor=	\$12,864
2a)	Labor Loading		Payroll Loading	\$6,046
			Total Labor w/Loading	\$18,910
3)	Contract Charge		<u>Quantity</u>	<u>Cost Each</u>
	Trenching		0	\$3.00
	Boring		0	\$14.00
			1	\$0
			1	\$0
				\$0
			TOTAL =	\$0
4)	Transportation & Equipment	<u>Units</u>	<u>Quantity</u>	<u>\$Rate/Unit</u>
	Line Truck	Hours	48	35.00
	Crew Pickup	Miles	300	1.65
	Engineering Car	Miles	400	0.50
	R/W CAR	Miles	0	0.60
	SPV. PICK.	Miles	0	0.70
	Man Lift Truck	Hours	48	23.00
				\$1,104
			TOTAL =	\$3,479
			SUB TOTAL =	\$28,187
	15.52		% OVERHEAD =	\$4,375
			CONSTRUCTION TOTAL =	\$32,562
 <i>RETIREMENT</i>				
1)	Salvage			\$0
2)	Cost of Removal		<u>Man-hours</u>	<u>Rate/Hr(\$)</u>
	CREW	MAN-HRS =	0	28.50
	LINE TRK	HRS =	0	32.00
	CREW PU.	MIS =	0	1.65
		HRS =	0	10.00
				\$0
			TOTAL =	\$0
			RETIRE TOTAL =	\$0
			PROJECT TOTAL =	\$32,562