MDU-7

COST ESTIMATE Part A

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

CONSTRUCTION		Item		Cost each	Feet or Quantity	Amount
1)	Material	Stores Material				$9,172
					Material Total=	$9,172
					Unloaded	
2)	Direct Labor		Units	Quantity	Rate/Hour	
		Line Crew	Hours	416	$38.00	$15,808
		Engineering	Hours	80	$48.00	$3,840
		Engineering Asst.	Hours	0	$38.00	$0
		Construction Supv.	Hours	0	$31.00	$0
		Drafting	Hours	0	$15.00	$0
			Hours	0		$0
					Total Labor=	$19,648
2a)	Labor Loading				Payroll Loading	$9,235
					Total Labor w/Loading	$28,883
3)	Contract Charge			Quantity	Cost Each	
		Install Transformer Pad		1	$5,000.00	$5,000
		Install Recloser Pad		1	$1,500.00	$1,500
		Crane		1	$800.00	$800
		Low Boy Trailer		1	$750.00	$750
						$0
					TOTAL =	$8,050
4)	Transportation & Equipment		Units	Quantity	$Rate/Unit	
		Line Truck	Hours	104	35.00	$3,640
		Crew Pickup	Miles	520	1.65	$858
		Engineering Car	Miles	400	0.50	$200
		R/W CAR	Miles	0	0.60	$0
		SPV. PICK.	Miles	0	0.70	$0
		Man Lift Truck	Hours	104	23.00	$2,392
					TOTAL =	$7,090
				SUB	TOTAL =	$53,195
			15.52		% OVERHEAD =	$8,256
					CONSTRUCTION TOTAL =	$61,451

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

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.

CONSTRUCTION	Item		Cost each	Feet or Quantity	Amount
1) Material	Stores Material				$5,798
				Material Total=	$5,798
				Unloaded	
2) Direct Labor		Units	Quantity	Rate/Hour	
	Line Crew	Hours	288	$38.00	$10,944
	Engineering	Hours	40	$48.00	$1,920
	Engineering Asst.	Hours	0	$38.00	$0
	Construction Supv.	Hours	0	$31.00	$0
	Drafting	Hours	0	$15.00	$0
		Hours	0		$0
				Total Labor=	$12,864
2a) Labor Loading				Payroll Loading	$6,046
				Total Labor w/Loading	$18,910
3) Contract Charge			Quantity	Cost Each	
	Trenching		0	$3.00	$0
	Boring		0	$14.00	$0
			1		$0
			1		$0
					$0
				TOTAL =	$0
4) Transportation & Equipment		Units	Quantity	$Rate/Unit	
	Line Truck	Hours	48	35.00	$1,680
	Crew Pickup	Miles	300	1.65	$495
	Engineering Car	Miles	400	0.50	$200
	R/W CAR	Miles	0	0.60	$0
	SPV. PICK.	Miles	0	0.70	$0
	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

RETIREMENT					
1) Salvage					$0
2) Cost of Removal			Man-hours	Rate/Hr($)	
	CREW MAN-HRS =		0	28.50	$0
	LINE TRK	HRS =	0	32.00	$0
	CREW PU.	MIS =	0	1.65	$0
		HRS =	0	10.00	$0
				TOTAL =	$0
			RETIRE	TOTAL =	$0
			PROJECT	TOTAL =	$32,562