

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**PARENT ITEM 4300000**

Description = Approach - Final Build Substructure - Cr Unit = CY Takeoff Quan: 17,455.000 Engr Quan: 17,455.000

**Listing of Sub-Biditems of Parent Item 4300000:**

**PARENT ITEM 4310000**

Description = Zone 1 - P1 to P3 Unit = CY Takeoff Quan: 368.997 Engr Quan: 368.997

**Listing of Sub-Biditems of Parent Item 4310000:**

**BID ITEM = 4310400**

Description = Top Cross Beam Land Item SCHEDULE: 1 100 Unit = CY Takeoff Quan: 368.977 Engr Quan: 0.000

10100	Furnish Materials	Quan:	1.00	EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN	
2CONCPIR	Concrete - Pier	370.00	CY	97.000	35,890			35,890
2REBAR	Rebar	81,174.87	LB	0.500	40,587			40,587
2TZFORM	Form Material	13,283.16	SF	1.000	13,283			13,283
\$89,760.60				[ ]	89,761			89,761
					89,760.60			89,760.60

\*\*Unreviewed

10200	False Work	Quan:	229.02	LF	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN	
<u>FLSW</u>	Falsework Crew	41.22	CH	Prod: 50.0000	US	Lab Pcs: 6.00	Eqp Pcs: 4.00	
8AC900	Air Compressor - 900	1.00	41.22	HR	88.850		1,443	2,220
8ADDSTM	Addon - Small Tool&	1.00	41.22	HR	2.650		89	21
8SCAFFOLD	Scaffold	1.00	41.22	HR	14.000		495	82
8STLBOL	Hydraulic Bolt Tools	1.00	41.22	HR	20.000		618	206
IRW-A	Iron Worker - Appren	1.00	41.22	MH	25.000	3,029		

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4310400			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit =	CY	Takeoff Quan:	368.977	Engr Quan:		0.000	
IRW-B	Iron Worker - Bolter	2.00	82.45 MH	33.900		7,000					7,000
IRW-F	Iron Worker - Forema	1.00	41.22 MH	36.900		3,658					3,658
IRW-J	Iron Worker - Rigger	1.00	41.22 MH	33.900		3,499					3,499
OP-CR1	Operator - Crane Med	1.00	41.22 MH	46.300		4,155					4,155
\$26,514.01	1.0799 MH/LF	247.3300	MH	[ 37.78 ]		21,341		2,644	2,529		26,514
5.5560	Units/H	50.0044	Un/Shift *	0.9260 Unit/M		93.18		11.55	11.04		115.77
10300	Form			Quan: 13,283.16	SF	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
FORML	Form Crew Land		110.69	CH	Prod: 15.0000	UM	Lab Pcs:	8.00	Eqp Pcs:	14.00	**Unreviewed
8AC900	Air Compressor - 900	1.00	110.69	HR	88.850				3,874	5,961	9,835
8ADDSTM	Addon - Small Tool&	1.00	110.69	HR	2.650				238	55	293
8CNCFORMS	Form Work System	1.00	110.69	HR	52.000				4,981	775	5,756
8CRN130T	Grove RT9120E	1.00	110.69	HR	50.400				4,981	598	5,579
8CRNM150T	Manitowoc 555 150 T	1.00	110.69	HR	187.000				13,836	6,863	20,699
8CRNMTS	Crane Timber Mats- 2	1.00	110.69	HR	30.153				2,980	358	3,338
8CRNRIG	Crane Rigging Equip	1.00	110.69	HR	30.000				2,767	553	3,321
8GEN1000	Generators 1000 KW	1.00	110.69	HR	35.000				2,214	1,660	3,874
8PMPDISEL	Disel Tank and Pump	1.00	110.69	HR	30.000				2,767	553	3,321
8SCAFFOLD	Scaffold	1.00	110.69	HR	14.000				1,328	221	1,550
8SCAFLD	Scaffold and Gangwa	1.00	110.69	HR	6.030				596	72	668
8TPU	Pickup Truck	1.00	110.69	HR	9.870				373	719	1,093
8WELDTRK	Weld Truck/ Marine	1.00	110.69	HR	55.000				5,535	553	6,088
8WLD500	Welder - 500 Amp Di	1.00	110.69	HR	13.810				145	1,384	1,529
CARP-A	Carpenter - Apprentic	1.00	110.69	MH	33.350	9,319					9,319
CARP-F	Carpenter - Foreman	1.00	110.69	MH	45.500	11,043					11,043
CARP-J	Carpenter - Journeym	1.00	110.69	MH	40.250	10,298					10,298
MECH-J	Mechanic - Master	1.00	110.69	MH	37.490	9,907					9,907
OP-CR1	Operator - Crane Med	2.00	221.39	MH	46.300	22,314					22,314

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4310400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 368.977 Engr Quan: 0.000

OP-OIL	Equip Oiler	1.00	110.69 MH	43.780	10,799					10,799
WELD-J	Welder - Journeyman	1.00	110.69 MH	43.400	10,745					10,745
\$151,367.00	0.0666 MH/SF	885.5300	MH	[ 2.803 ]	84,426		46,616	20,326		151,367
120.0033	Units/H	1,080.0293	Un/Shift	15.0002 Unit/M *	6.36		3.51	1.53		11.40

**10400 Place Rebar** **Quan: 81,174.87 LB** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBAR</u>		Rebar Land Crew	33.13	CH	Prod: 175.0000 UM	Lab Pcs: 14.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	33.13	HR	2.650		71	17
8CRN130T	Grove RT9120E	1.00	33.13	HR	50.400		1,491	179
8CRNM200T	Manitowoc 777 200T	1.00	33.13	HR	220.000		4,970	2,319
8CRNRIG	Crane Rigging Equip	1.00	33.13	HR	30.000		828	166
8GEN1000	Generators 1000 KW	1.00	33.13	HR	35.000		663	497
8TPU	Pickup Truck	1.00	33.13	HR	9.870		112	215
8TT&T50T	Lowbed Tractor/Trail	1.00	33.13	HR	132.170		2,351	2,028
8WELDTRK	Weld Truck/ Marine	1.00	33.13	HR	55.000		1,657	166
8WLD500	Welder - 500 Amp Di	2.00	66.27	HR	13.810		87	828
IRW-A	Iron Worker - Appren	2.00	66.27	MH	25.000	4,870		
IRW-F	Iron Worker - Forema	1.00	33.13	MH	36.900	2,940		
IRW-LR	Iron Worker - Lather/	4.00	132.53	MH	33.900	11,251		
MECH-J	Mechanic - Master	1.00	33.13	MH	37.490	2,965		
OP-CR1	Operator - Crane Med	1.00	33.13	MH	46.300	3,339		
OP-CR2	Operator - Crane Hea	1.00	33.13	MH	47.300	3,382		
OP-OIL	Equip Oiler	1.00	33.13	MH	43.780	3,232		
TEAM-2	Teamster - 2	1.00	33.13	MH	48.550	3,435		
WELD-A	Welder - Apprentice	1.00	33.13	MH	37.400	2,961		
WELD-J	Welder - Journeyman	1.00	33.13	MH	43.400	3,216		
\$60,234.43	0.0057 MH/LB	463.8400	MH	[ 0.215 ]	41,592		12,229	6,414
2,450.1923	Units/H	22,051.7305	Un/Shift	175.0063 Unit/M *	0.51		0.15	0.08

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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<b>BID ITEM = 4310400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit = CY		Takeoff Quan:	368.977	Engr Quan:	0.000			
<b>10500</b>	<b>Place Concrete</b>	<b>Quan: 368.98 CY</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>CONCL</u>	Concrete Place Land	18.44	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 12.00	Eqp Pcs: 15.00				
8AC1300	Air Compressor - 130	1.00	18.45 HR	131.450		886	1,540			2,425
8ADDSTM	Addon - Small Tool&	1.00	18.45 HR	2.650		40	9			49
8CNCBOOM	Concrete Pump Boom	1.00	18.45 HR	73.810		949	413			1,362
8CNCBUCK	Concrete Bucket	1.00	18.45 HR	2.270		27	15			42
8CNCCNV	Concrete Conveyer (5	1.00	18.45 HR	18.600		161	182			343
8CNCP	Concrete Pump - 250	1.00	18.45 HR	89.600		1,476	177			1,653
8CNCPE1	Concrete Place Equip	1.00	18.45 HR	44.800		738	89			827
8CNCPEQ2	Concrete Pumping Eq	1.00	18.45 HR	56.000		923	111			1,033
8CNCTMRI	Tremi Pipe	1.00	18.45 HR	45.000		646	185			830
8CNCWT	Concrete Work Tools	1.00	18.45 HR	4.310		80				80
8CRN130T	Grove RT9120E	1.00	18.45 HR	50.400		830	100			930
8CRNM100T	Manitowoc 11000 10	1.00	18.45 HR	150.000		1,845	923			2,768
8GEN1	GENSET 1000KW	1.00	18.45 HR	11.200		185	22			207
8PMPDISEL	Disel Tank and Pump	1.00	18.45 HR	30.000		461	92			554
8TPU	Pickup Truck	1.00	18.45 HR	9.870		62	120			182
CNC-A	Concrete Worker - Ap	3.00	55.35 MH	32.000	4,564					4,564
CNC-F	Concrete Worker - Fr	1.00	18.45 MH	36.000	1,616					1,616
CNC-J	Concrete Worker - Jo	3.00	55.35 MH	34.000	4,706					4,706
OP-2	Operator - Medium E	1.00	18.45 MH	43.500	1,793					1,793
OP-C	Operator - Concrete	1.00	18.45 MH	44.100	1,808					1,808
OP-CR1	Operator - Crane Med	1.00	18.45 MH	46.300	1,860					1,860
OP-OIL	Equip Oiler	2.00	36.90 MH	43.780	3,600					3,600
\$33,230.15	0.6000 MH/CY	221.4000	MH	[ 22.774 ]	19,947		9,307	3,976		33,230
20.0098	Units/H*	180.0879	Un/Shift	1.6666 Unit/M	54.06		25.22	10.78		90.06

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4310400		Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam		Unit =	CY	Takeoff Quan:	368.977	Engr Quan:	0.000			
10600	Finish / Cure Concrete	Quan:	368.98 CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN				
CURE	Concrete Cure Crew	18.44	CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	6.00		**Unreviewed
8AC900	Air Compressor - 900	1.00	18.45 HR	88.850			646	994		1,639
8ADDSTM	Addon - Small Tool&	1.00	18.45 HR	2.650			40	9		49
8CNCCURE	Concrete Cure Equip	1.00	18.45 HR	80.000			1,199	277		1,476
8CNCWT	Concrete Work Tools	1.00	18.45 HR	4.310			80			80
8PMPDISEL	Disel Tank and Pump	1.00	18.45 HR	30.000			461	92		554
8TPU	Pickup Truck	1.00	18.45 HR	9.870			62	120		182
CONF-A	Conc Finisher - Appre	2.00	36.90 MH	30.450	2,969					2,969
CONF-F	Conc Finisher - Fore	1.00	18.45 MH	41.190	1,739					1,739
CONF-J	Conc Finisher - Journ	2.00	36.90 MH	36.700	3,265					3,265
\$11,952.65	0.2500 MH/CY	92.2500	MH	[ 8.775 ]	7,973		2,488	1,492		11,953
20.0098	Units/H*	180.0879	Un/Shift	3.9998 Unit/M	21.61		6.74	4.04		32.39
10700	Transport Materials for Activity	Quan:	368.98 CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN				
TRNSL	Material Transport Land	12.29	CH	Prod: 270.0007 US	Lab Pcs:	8.00	Eqp Pcs:	6.00		**Unreviewed
8ADDSTM	Addon - Small Tool&	1.00	12.30 HR	2.650			26	6		33
8CRN130T	Grove RT9120E	1.00	12.30 HR	50.400			554	66		620
8CRNGRDL	Gradall Support Lift	1.00	12.30 HR	74.000			713	197		910
8CRNM100T	Manitowoc 11000 10	1.00	12.30 HR	150.000			1,230	615		1,845
8TPU	Pickup Truck	1.00	12.30 HR	9.870			41	80		121
8TSTLTRS	Heavy Transport Lan	1.00	12.30 HR	150.000			1,230	615		1,845
DB-A	Dockbuilder - Appren	2.00	24.60 MH	17.840	1,582					1,582
DB-F	Dockbuilder - Forema	0.50	6.15 MH	47.610	630					630
DB-GF	Dockbuilder- General	0.50	6.15 MH	50.610	654					654
DB-R	Dockbuilder - Rigger	2.00	24.60 MH	45.610	2,458					2,458
OP-3	Operator - Heavy Equ	1.00	12.30 MH	45.670	1,230					1,230

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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<b>BID ITEM = 4310400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam				Unit = CY	Takeoff Quan:	368.977	Engr Quan:	0.000		
OP-LHD	Operator - Load, Haul	1.00	12.30 MH	45.000	1,219					1,219
OP-OIL	Equip Oiler	1.00	12.30 MH	43.780	1,200					1,200
\$14,346.94	0.2666 MH/CY	98.4000	MH	[ 10.349 ]	8,973		3,795	1,579		14,347
30.0228	Units/H	270.2050	Un/Shift *	3.7498 Unit/M	24.32		10.28	4.28		38.88
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<b>=====&gt; Item Totals: 4310400 - Top Cross Beam</b>										
\$387,405.78	5.4441 MH/CY	2,008.75	MH	[ 213.553 ]	184,251	89,761	77,078	36,315		<b>387,406</b>
1,049.946	368.977 CY				499.36	243.27	208.90	98.42		1,049.95
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<b>Total of Above Sub-Biditems</b>										
<hr/>										
<b>=====&gt; Item Totals: 4310000 - Zone 1 - P1 to P3</b>										
\$387,405.78	5.4438 MH/CY	2,008.75	MH	[ 213.542 ]	184,251	89,761	77,078	36,315		<b>387,406</b>
1,049.889	368.997 CY				499.33	243.26	208.89	98.42		<b>1,049.89</b>
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**PARENT ITEM 4320000**

Description = Zone 1 - P4 to P8 Unit = CY Takeoff Quan: 614.961 Engr Quan: 614.961

**Listing of Sub-Biditems of Parent Item 4320000:**

**BID ITEM = 4320400** Land Item SCHEDULE: 1 100  
Description = Top Cross Beam Unit = CY Takeoff Quan: 614.961 Engr Quan: 0.000

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost			Material	Matl/Ex	Ownershi	Operatio	Contract	
BID ITEM = 4320400			Land Item	SCHEDULE: 1		100						
Description = Top Cross Beam				Unit = CY		Takeoff Quan:	614.961		Engr Quan:		0.000	
10100	Furnish Materials			Quan:	1.00 EA	Hrs/Shft: 9.00		Cal: 510	WC:NYGEN			
												**Unreviewed
2CONCPIR	Concrete - Pier	615.00	CY	97.000			59,655					59,655
2REBAR	Rebar	135,291.44	LB	0.500			67,646					67,646
2TZFORM	Form Material	22,138.60	SF	1.000			22,139					22,139
\$149,439.32				[ ]			149,439					149,439
							149,439.32					149,439.32
10200	Falsework			Quan:	381.70 LF	Hrs/Shft: 9.00		Cal: 510	WC:NYGEN			
												**Unreviewed
FLSW	Falsework Crew	68.70	CH	Prod: 50.0000	US		Lab Pcs:	6.00	Eqp Pcs:	4.00		
8AC900	Air Compressor - 900	1.00	68.71 HR	88.850					2,405	3,700		6,105
8ADDSTM	Addon - Small Tool&	1.00	68.71 HR	2.650					148	34		182
8SCAFFOLD	Scaffold	1.00	68.71 HR	14.000					825	137		962
8STLBOL	Hydraulic Bolt Tools	1.00	68.71 HR	20.000					1,031	344		1,374
IRW-A	Iron Worker - Appren	1.00	68.71 MH	25.000		5,049						5,049
IRW-B	Iron Worker - Bolter	2.00	137.41 MH	33.900		11,666						11,666
IRW-F	Iron Worker - Forema	1.00	68.71 MH	36.900		6,097						6,097
IRW-J	Iron Worker - Rigger	1.00	68.71 MH	33.900		5,833						5,833
OP-CR1	Operator - Crane Med	1.00	68.71 MH	46.300		6,925						6,925
\$44,194.15	1.0800 MH/LF	412.2500	MH	[ 37.783 ]		35,571			4,408	4,215		44,194
5.5560	Units/H	50.0044	Un/Shift *	0.9259	Unit/M	93.19			11.55	11.04		115.78
10300	Form			Quan:	22,138.60 SF	Hrs/Shft: 9.00		Cal: 510	WC:NYGEN			
												**Unreviewed
FORML	Form Crew Land	184.48	CH	Prod: 15.0000	UM		Lab Pcs:	8.00	Eqp Pcs:	14.00		
8AC900	Air Compressor - 900	1.00	184.49 HR	88.850					6,457	9,935		16,392
8ADDSTM	Addon - Small Tool&	1.00	184.49 HR	2.650					397	92		489
8CNCFORMS	Form Work System	1.00	184.49 HR	52.000					8,302	1,291		9,593

Activity	Description	Quantity	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
				Cost					Total

\*\*Unreviewed

<u>REBARL</u>	Rebar Land Crew		55.22	CH	<b>Prod: 175.0000 UM</b>	Lab Pcs: 14.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	55.22	HR	2.650		119	28
8CRN130T	Grove RT9120E	1.00	55.22	HR	50.400		2,485	298
8CRNM200T	Manitowoc 777 200T	1.00	55.22	HR	220.000		8,283	3,865
8CRNRIG	Crane Rigging Equip	1.00	55.22	HR	30.000		1,381	276
8GEN1000	Generators 1000 KW	1.00	55.22	HR	35.000		1,104	828



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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<b>BID ITEM = 4320400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	614.961	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	55.22 HR	9.870			186	359		545
8TT&T50T	Lowbed Tractor/Trail	1.00	55.22 HR	132.170			3,919	3,379		7,298
8WELDTRK	Weld Truck/ Marine	1.00	55.22 HR	55.000			2,761	276		3,037
8WLD500	Welder - 500 Amp Di	2.00	110.44 HR	13.810			145	1,381		1,525
IRW-A	Iron Worker - Appren	2.00	110.44 MH	25.000	8,116					8,116
IRW-F	Iron Worker - Forema	1.00	55.22 MH	36.900	4,900					4,900
IRW-LR	Iron Worker - Lather/	4.00	220.88 MH	33.900	18,752					18,752
MECH-J	Mechanic - Master	1.00	55.22 MH	37.490	4,942					4,942
OP-CR1	Operator - Crane Med	1.00	55.22 MH	46.300	5,566					5,566
OP-CR2	Operator - Crane Hea	1.00	55.22 MH	47.300	5,637					5,637
OP-OIL	Equip Oiler	1.00	55.22 MH	43.780	5,387					5,387
TEAM-2	Teamster - 2	1.00	55.22 MH	48.550	5,725					5,725
WELD-A	Welder - Apprentice	1.00	55.22 MH	37.400	4,936					4,936
WELD-J	Welder - Journeyman	1.00	55.22 MH	43.400	5,360					5,360
\$100,393.97	0.0057 MH/LB	773.0800	MH	[ 0.215 ]	69,321		20,382	10,691		100,394
2,450.0442	Units/H	22,050.3977	Un/Shift	175.0032	Unit/M *	0.51	0.15	0.08		0.74

**10500 Place Concrete** **Quan: 614.96 CY** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>CONCL</u>	Concrete Place Land	30.74	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 12.00	Eqp Pcs: 15.00				
8AC1300	Air Compressor - 130	1.00	30.75 HR	131.450		1,476	2,566			4,042
8ADDSTM	Addon - Small Tool&	1.00	30.75 HR	2.650		66	15			81
8CNCBOOM	Concrete Pump Boom	1.00	30.75 HR	73.810		1,581	689			2,270
8CNCBUCK	Concrete Bucket	1.00	30.75 HR	2.270		45	25			70
8CNCCNV	Concrete Conveyer (5	1.00	30.75 HR	18.600		269	303			572
8CNCP	Concrete Pump - 250	1.00	30.75 HR	89.600		2,460	295			2,755
8CNCPE1	Concrete Place Equip	1.00	30.75 HR	44.800		1,230	148			1,378
8CNCPEQ2	Concrete Pumping Eq	1.00	30.75 HR	56.000		1,538	185			1,722
8CNCTRMI	Tremi Pipe	1.00	30.75 HR	45.000		1,076	308			1,384

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4320400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	614.961	Engr Quan:	0.000		
8CNCWT	Concrete Work Tools	1.00	30.75 HR	4.310			133			133
8CRN130T	Grove RT9120E	1.00	30.75 HR	50.400			1,384	166		1,550
8CRNM100T	Manitowoc 11000 10	1.00	30.75 HR	150.000			3,075	1,538		4,613
8GEN1	GENSET 1000KW	1.00	30.75 HR	11.200			308	37		344
8PMPDISEL	Disel Tank and Pump	1.00	30.75 HR	30.000			769	154		923
8TPU	Pickup Truck	1.00	30.75 HR	9.870			104	200		303
CNC-A	Concrete Worker - Ap	3.00	92.24 MH	32.000	7,606					7,606
CNC-F	Concrete Worker - Fr	1.00	30.75 MH	36.000	2,693					2,693
CNC-J	Concrete Worker - Jo	3.00	92.24 MH	34.000	7,843					7,843
OP-2	Operator - Medium E	1.00	30.75 MH	43.500	2,989					2,989
OP-C	Operator - Concrete	1.00	30.75 MH	44.100	3,013					3,013
OP-CR1	Operator - Crane Med	1.00	30.75 MH	46.300	3,099					3,099
OP-OIL	Equip Oiler	2.00	61.50 MH	43.780	6,000					6,000
\$55,381.94	0.6000 MH/CY	368.9800	MH	[ 22.773 ]	33,243		15,512	6,627		55,382
20.0052	Units/H*	180.0468	Un/Shift	1.6666 Unit/M	54.06		25.22	10.78		90.06

**10600 Finish / Cure Concrete** **Quan: 614.96 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CURE</u>	Concrete Cure Crew	30.74	CH	Prod: 20.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 6.00				
8AC900	Air Compressor - 900	1.00	30.75 HR	88.850		1,076	1,656			2,732
8ADDSTM	Addon - Small Tool&	1.00	30.75 HR	2.650		66	15			81
8CNCCURE	Concrete Cure Equip	1.00	30.75 HR	80.000		1,999	461			2,460
8CNCWT	Concrete Work Tools	1.00	30.75 HR	4.310		133				133
8PMPDISEL	Disel Tank and Pump	1.00	30.75 HR	30.000		769	154			923
8TPU	Pickup Truck	1.00	30.75 HR	9.870		104	200			303
CONF-A	Conc Finisher - Appre	2.00	61.50 MH	30.450	4,949					4,949
CONF-F	Conc Finisher - Fore	1.00	30.75 MH	41.190	2,898					2,898
CONF-J	Conc Finisher - Journ	2.00	61.50 MH	36.700	5,442					5,442
\$19,921.06	0.2500 MH/CY	153.7500	MH	[ 8.775 ]	13,289		4,146	2,486		19,921

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4320400</b>										
Description = Top Cross Beam										
20.0052	Units/H*	180.0468	Un/Shift	3.9997 Unit/M	21.61	614.961	Engr Quan:	4.04	0.000	32.39
<hr/>										
<b>10700</b>	<b>Transport Materials for Activity</b>			<b>Quan: 614.96 CY</b>	<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>TRNSL</u>	Material Transport Land	20.49	CH	<b>Prod: 269.9996 US</b>	Lab Pcs:	8.00	Eqp Pcs:	6.00		
8ADDSTM	Addon - Small Tool&	1.00	20.50 HR	2.650			44	10		54
8CRN130T	Grove RT9120E	1.00	20.50 HR	50.400			923	111		1,033
8CRNGRDL	Gradall Support Lift	1.00	20.50 HR	74.000			1,189	328		1,517
8CRNM100T	Manitowoc 11000 10	1.00	20.50 HR	150.000			2,050	1,025		3,075
8TPU	Pickup Truck	1.00	20.50 HR	9.870			69	133		202
8TSTLTRS	Heavy Transport Lan	1.00	20.50 HR	150.000			2,050	1,025		3,075
DB-A	Dockbuilder - Appren	2.00	41.00 MH	17.840	2,637					2,637
DB-F	Dockbuilder - Forema	0.50	10.25 MH	47.610	1,050					1,050
DB-GF	Dockbuilder- General	0.50	10.25 MH	50.610	1,090					1,090
DB-R	Dockbuilder - Rigger	2.00	41.00 MH	45.610	4,096					4,096
OP-3	Operator - Heavy Equ	1.00	20.50 MH	45.670	2,050					2,050
OP-LHD	Operator - Load, Haul	1.00	20.50 MH	45.000	2,032					2,032
OP-OIL	Equip Oiler	1.00	20.50 MH	43.780	2,000					2,000
\$23,911.57	0.2666 MH/CY	164.0000	MH	[ 10.349 ]	14,955		6,325	2,632		23,912
30.0127	Units/H	270.1142	Un/Shift *	3.7498 Unit/M	24.32		10.28	4.28		38.88
<hr/>										
<b>=====&gt; Item Totals: 4320400 - Top Cross Beam</b>										
\$645,527.89	5.4442 MH/CY	3,347.98	MH	[ 213.558 ]	307,092	149,439	128,468	60,528		<b>645,528</b>
1,049.705	614.961 CY				499.37	243.01	208.91	98.43		1,049.71
<hr/>										
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**Total of Above Sub-Biditems**

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4320400</b>		Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam			Unit = CY	Takeoff Quan:	614.961	Engr Quan:		0.000		
=====> Item Totals:	<b>4320000 - Zone 1 - P4 to P8</b>									
\$645,527.89	5.4442 MH/CY	3,347.98 MH	[ 213.558 ]	307,092	149,439		128,468	60,528		645,528
1,049.705	614.961 CY			499.37	243.01		208.91	98.43		1,049.71
<hr/>										
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**PARENT ITEM 4330000**

Description = Zone 2 - P9 to P14 Unit = CY Takeoff Quan: 759.156 Engr Quan: 759.156

**Listing of Sub-Biditems of Parent Item 4330000:**

**BID ITEM = 4330400**

Description = Top Cross Beam Land Item SCHEDULE: 1 100 Unit = CY Takeoff Quan: 759.143 Engr Quan: 0.000

<b>10100</b>	<b>Furnish Materials</b>	<b>Quan: 0.94 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>	
						**Unreviewed
2CONCPIR	Concrete - Pier	760.00 CY	97.000	73,720		73,720
2REBAR	Rebar	25,689.73 LB	0.500	12,845		12,845
2TZFORM	Form Material	25,689.73 SF	1.000	25,690		25,690
\$112,254.60			[ ]	112,255		112,255
				119,419.79		119,419.79

<b>10200</b>	<b>Falsework</b>	<b>Quan: 471.08 LF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>	
						**Unreviewed
<u>FLSW</u>	Falsework Crew	84.79 CH	<b>Prod: 50.0000 US</b>	Lab Pcs: 6.00	Eqp Pcs: 4.00	
8AC900	Air Compressor - 900	1.00 84.79 HR	88.850		2,968 4,566	7,534
8ADDSTM	Addon - Small Tool&	1.00 84.79 HR	2.650		182 42	225

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4330400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	759.143	Engr Quan:	0.000		
8SCAFFOLD	Scaffold	1.00	84.79 HR	14.000			1,017	170		1,187
8STLBOL	Hydraulic Bolt Tools	1.00	84.79 HR	20.000			1,272	424		1,696
IRW-A	Iron Worker - Appren	1.00	84.79 MH	25.000	6,231					6,231
IRW-B	Iron Worker - Bolter	2.00	169.59 MH	33.900	14,398					14,398
IRW-F	Iron Worker - Forema	1.00	84.79 MH	36.900	7,524					7,524
IRW-J	Iron Worker - Rigger	1.00	84.79 MH	33.900	7,198					7,198
OP-CR1	Operator - Crane Med	1.00	84.79 MH	46.300	8,546					8,546
\$54,538.68	1.0799 MH/LF	508.7500	MH	[ 37.781 ]	43,898		5,439	5,202		54,539
5.5558	Units/H	50.0026	Un/Shift *	0.9260 Unit/M	93.18		11.55	11.04		115.77

**10300 Form** **Quan: 27,329.15 SF** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>FORM</u>	Form Crew Marine	260.27	CH	<b>Prod: 15.0000 UM</b>	Lab Pcs:	7.00	Eqp Pcs:	14.00		
8AC900	Air Compressor - 900	1.00	260.28 HR	88.850			9,110	14,016		23,126
8ADDSTM	Addon - Small Tool&	1.00	260.28 HR	2.650			560	130		690
8BRGCB1	Crane Barge 1-250'x	1.00	260.28 HR	150.000			31,234	7,808		39,042
8BRGSPD	Mooring, Anchoring a	1.00	260.28 HR	35.000			6,507	2,603		9,110
8CNCFORMS	Form Work System	1.00	260.28 HR	52.000			11,713	1,822		13,535
8CRN140T	Manitowoc 3900 W 1	1.00	260.28 HR	171.950			24,792	19,963		44,755
8CRNMTS	Crane Timber Mats- 2	1.00	260.28 HR	30.153			7,008	841		7,848
8CRNRIG	Crane Rigging Equip	1.00	260.28 HR	30.000			6,507	1,301		7,808
8GEN1000	Generators 1000 KW	1.00	260.28 HR	35.000			5,206	3,904		9,110
8PMPDISEL	Disel Tank and Pump	1.00	260.28 HR	30.000			6,507	1,301		7,808
8SCAFLD	Scaffold and Gangwa	1.00	260.28 HR	6.030			1,402	168		1,570
8TPU	Pickup Truck	1.00	260.28 HR	9.870			877	1,692		2,569
8WELDTRK	Weld Truck/ Marine	1.00	260.28 HR	55.000			13,014	1,301		14,315
8WLD500	Welder - 500 Amp Di	1.00	260.28 HR	13.810			341	3,254		3,594
CARP-A	Carpenter - Apprentic	1.00	260.28 MH	33.350	21,913					21,913
CARP-F	Carpenter - Foreman	1.00	260.28 MH	45.500	25,967					25,967

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 4330400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 759.143 Engr Quan: 0.000

CARP-J	Carpenter - Journeym	1.00	260.28 MH	40.250	24,216					24,216
MECH-J	Mechanic - Master	1.00	260.28 MH	37.490	23,295					23,295
OP-CR1	Operator - Crane Med	1.00	260.28 MH	46.300	26,234					26,234
WALKB	Walking Boss	1.00	260.28 MH	37.500	23,298					23,298
WELD-J	Welder - Journeyman	1.00	260.28 MH	43.400	25,267					25,267
\$355,070.04	0.0666 MH/SF	1,821.9600	MH	[ 2.703 ]	170,189		124,775	60,106		355,070
105.0031	Units/H	945.0277	Un/Shift	14.9999 Unit/M *	6.23		4.57	2.20		12.99

**10400 Place Rebar** **Quan: 27,329.15 LB** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBAR</u>	Rebar Crew		12.01	CH	<b>Prod: 175.0016 UM</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	12.01	HR	2.650		26	6	32
8BRGCB2	Crane Barge 2-250'x	1.00	12.01	HR	169.730		1,621	417	2,038
8BRGSPD	Mooring, Anchoring a	1.00	12.01	HR	35.000		300	120	420
8CRNM200T	Manitowoc 777 200T	1.00	12.01	HR	220.000		1,802	841	2,642
8CRNRIG	Crane Rigging Equip	1.00	12.01	HR	30.000		300	60	360
8GEN1000	Generators 1000 KW	1.00	12.01	HR	35.000		240	180	420
8TPU	Pickup Truck	1.00	12.01	HR	9.870		40	78	119
8WELDTRK	Weld Truck/ Marine	1.00	12.01	HR	55.000		601	60	661
8WLD500	Welder - 500 Amp Di	2.00	24.03	HR	13.810		31	300	332
IRW-A	Iron Worker - Appren	2.00	24.03	MH	25.000	1,766			1,766
IRW-F	Iron Worker - Forema	1.00	12.01	MH	36.900	1,066			1,066
IRW-LR	Iron Worker - Lather/	4.00	48.05	MH	33.900	4,079			4,079
LONG-1	Longshoreman - Deck	1.00	12.01	MH	40.000	1,114			1,114
MECH-J	Mechanic - Master	1.00	12.01	MH	37.490	1,075			1,075
OP-CR2	Operator - Crane Hea	1.00	12.01	MH	47.300	1,226			1,226
OP-OIL	Equip Oiler	1.00	12.01	MH	43.780	1,172			1,172
WELD-A	Welder - Apprentice	1.00	12.01	MH	37.400	1,073			1,073
WELD-J	Welder - Journeyman	1.00	12.01	MH	43.400	1,166			1,166

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4330400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	759.143	Engr Quan:	0.000		
\$20,760.70	0.0057 MH/LB	156.1500	MH	[ 0.207 ]	13,736		4,962	2,063		20,761
2,275.5329	Units/H	20,479.7961	Un/Shift	175.0189 Unit/M *	0.50		0.18	0.08		0.76
<hr/>										
<b>10500</b>	<b>Place Concrete</b>	<b>Quan: 759.20 CY</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>CONC</u>	Concrete Place Marine	37.96	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00				
8AC1300	Air Compressor - 130	1.00	37.96 HR	131.450		1,822	3,168			4,990
8ADDSTM	Addon - Small Tool&	1.00	37.96 HR	2.650		82	19			101
8BRGM1	MaterlBrg - 180'x54'x	1.00	37.96 HR	60.307		2,044	245			2,289
8BRGSS	Barge Spud System -	2.00	75.92 HR	11.200		759	91			850
8CNCBOOM	Concrete Pump Boom	1.00	37.96 HR	73.810		1,952	850			2,802
8CNCBUCK	Concrete Bucket	6.00	227.76 HR	2.270		335	182			517
8CNCCNV	Concrete Conveyer (5	1.00	37.96 HR	18.600		332	374			706
8CNCP	Concrete Pump - 250	1.00	37.96 HR	89.600		3,037	364			3,401
8CNCPE1	Concrete Place Equip	1.00	37.96 HR	44.800		1,518	182			1,701
8CNCPEQ2	Concrete Pumping Eq	1.00	37.96 HR	56.000		1,898	228			2,126
8CNCTMRI	Tremi Pipe	1.00	37.96 HR	45.000		1,329	380			1,708
8CNCWT	Concrete Work Tools	1.00	37.96 HR	4.310		164				164
8CRN130T	Grove RT9120E	1.00	37.96 HR	50.400		1,708	205			1,913
8CRNM100T	Manitowoc 11000 10	1.00	37.96 HR	150.000		3,796	1,898			5,694
8GEN1	GENSET 1000KW	1.00	37.96 HR	11.200		380	46			425
8PMPDISEL	Disel Tank and Pump	1.00	37.96 HR	30.000		949	190			1,139
8TPU	Pickup Truck	1.00	37.96 HR	9.870		128	247			375
CNC-A	Concrete Worker - Ap	3.00	113.88 MH	32.000	9,391					9,391
CNC-F	Concrete Worker - Fr	1.00	37.96 MH	36.000	3,325					3,325
CNC-J	Concrete Worker - Jo	3.00	113.88 MH	34.000	9,683					9,683
LONG-1	Longshoreman - Deck	2.00	75.92 MH	40.000	7,039					7,039
OP-2	Operator - Medium E	1.00	37.96 MH	43.500	3,690					3,690
OP-C	Operator - Concrete	1.00	37.96 MH	44.100	3,719					3,719

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
<b>BID ITEM = 4330400</b>			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit =	CY	Takeoff Quan:	759.143	Engr Quan:		0.000	
OP-CR1	Operator - Crane Med	1.00	37.96 MH	46.300		3,826					3,826
OP-OIL	Equip Oiler	2.00	75.92 MH	43.780		7,407					7,407
\$78,978.89	0.7000 MH/CY	531.4400	MH	[ 26.773 ]		48,079		22,231	8,669		78,979
20.0000	Units/H*	180.0000	Un/Shift	1.4286 Unit/M		63.33		29.28	11.42		104.03
<b>10600</b>	<b>Finish / Cure Concrete</b>			<b>Quan: 759.20</b>	<b>CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
											**Unreviewed
<u>CURE</u>	Concrete Cure Crew		37.96 CH	<b>Prod: 20.0000</b>	<b>UH</b>	Lab Pcs:	5.00	Eqp Pcs:	6.00		
8AC900	Air Compressor - 900	1.00	37.96 HR	88.850				1,329	2,044		3,373
8ADDSTM	Addon - Small Tool&	1.00	37.96 HR	2.650				82	19		101
8CNCCURE	Concrete Cure Equip	1.00	37.96 HR	80.000				2,467	569		3,037
8CNCWT	Concrete Work Tools	1.00	37.96 HR	4.310				164			164
8PMPDISEL	Disel Tank and Pump	1.00	37.96 HR	30.000				949	190		1,139
8TPU	Pickup Truck	1.00	37.96 HR	9.870				128	247		375
CONF-A	Conc Finisher - Appre	2.00	75.92 MH	30.450		6,110					6,110
CONF-F	Conc Finisher - Fore	1.00	37.96 MH	41.190		3,577					3,577
CONF-J	Conc Finisher - Journ	2.00	75.92 MH	36.700		6,718					6,718
\$24,591.98	0.2500 MH/CY	189.8000	MH	[ 8.774 ]		16,405		5,118	3,069		24,592
20.0000	Units/H*	180.0000	Un/Shift	4.0000 Unit/M		21.61		6.74	4.04		32.39
<b>10700</b>	<b>Transport Materials for Activity</b>			<b>Quan: 759.20</b>	<b>CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
											**Unreviewed
<u>TRNS</u>	Material Transport Marine		25.30 CH	<b>Prod: 270.0082</b>	<b>US</b>	Lab Pcs:	13.00	Eqp Pcs:	10.00		
8ADDSTM	Addon - Small Tool&	1.00	25.31 HR	2.650				54	13		67
8BOATT1	Tug - 3000HP	2.00	50.61 HR	105.538				4,769	572		5,341
8BRGM1	MaterlBrg - 180'x54'x	2.00	50.61 HR	60.307				2,725	327		3,052
8BRGSPD	Mooring, Anchoring a	1.00	25.31 HR	35.000				633	253		886
8CRN130T	Grove RT9120E	1.00	25.31 HR	50.400				1,139	137		1,276
8CRNGRDL	Gradall Support Lift	1.00	25.31 HR	74.000				1,468	405		1,873
8CRNM200T	Manitowoc 777 200T	1.00	25.31 HR	220.000				3,797	1,772		5,568



## DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource					Cost								
<b>BID ITEM = 4330400</b>			Land Item	SCHEDULE: 1	100								
Description = Top Cross Beam			Unit =	CY	Takeoff	Quan:	759.143	Engr	Quan:	0.000			
8TPU	Pickup Truck	1.00	25.31	HR	9.870				85	165			250
DB-A	Dockbuilder - Appren	2.00	50.61	MH	17.840	3,255							3,255
DB-F	Dockbuilder - Forema	0.50	12.65	MH	47.610	1,296							1,296
DB-GF	Dockbuilder- General	0.50	12.65	MH	50.610	1,345							1,345
DB-R	Dockbuilder - Rigger	2.00	50.61	MH	45.610	5,056							5,056
LONG-1	Longshoreman - Deck	2.00	50.61	MH	40.000	4,692							4,692
LONG-2	Longshoreman - Oper	2.00	50.61	MH	43.500	4,919							4,919
OP-CR1	Operator - Crane Med	1.00	25.31	MH	46.300	2,551							2,551
OP-CR2	Operator - Crane Hea	1.00	25.31	MH	47.300	2,583							2,583
OP-OIL	Equip Oiler	2.00	50.61	MH	43.780	4,938							4,938
\$48,949.04	0.4333 MH/CY	328.9700	MH	[ 17.471 ]	30,636			14,670	3,643				48,949
30.0079	Units/H	270.0711	Un/Shift *	2.3078	Unit/M	40.35		19.32	4.80				64.47
=====> Item Totals:		<b>4330400 - Top Cross Beam</b>											
\$695,143.93	4.6592 MH/CY	3,537.07	MH	[ 181.234 ]	322,943	112,255		177,196	82,751				<b>695,144</b>
915.695	759.1436 CY				425.40	147.87		233.42	109.01				915.69
<b>Total of Above Sub-Biditems</b>													
=====> Item Totals:		<b>4330000 - Zone 2 - P9 to P14</b>											
\$695,143.93	4.6592 MH/CY	3,537.07	MH	[ 181.231 ]	322,943	112,255		177,196	82,751				<b>695,144</b>
915.680	759.156 CY				425.40	147.87		233.41	109.00				<b>915.68</b>

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**PARENT ITEM 4340000**

Description = Zone 3 -P15 to P32 Unit = CY Takeoff Quan: 4,359.828 Engr Quan: 4,359.828

**Listing of Sub-Biditems of Parent Item 4340000:**

**BID ITEM = 4340400**

Description = Top Cross Beam Land Item SCHEDULE: 1 100 Unit = CY Takeoff Quan: 4,359.828 Engr Quan: 0.000

10100	Furnish Materials	Quan: 1.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN	**Unreviewed
2CONCPIR	Concrete - Pier	4,360.00 CY	97.000	422,920		422,920
2REBAR	Rebar	156,953.80 LB	0.500	78,477		78,477
2TZFORM	Form Material	156,953.80 SF	1.000	156,954		156,954
\$658,350.70		[ ]		658,351		658,351
				658,350.70		658,350.70

10200	Falsework	Quan: 2,706.10 LF	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN	**Unreviewed
<u>FLSW</u>	Falsework Crew	487.09 CH	Prod: 50.0000 US	Lab Pcs: 6.00	Eqp Pcs: 4.00	
8AC900	Air Compressor - 900	1.00 487.10 HR	88.850		17,049 26,230	43,279
8ADDSTM	Addon - Small Tool&	1.00 487.10 HR	2.650		1,047 244	1,291
8SCAFFOLD	Scaffold	1.00 487.10 HR	14.000		5,845 974	6,819
8STLBOL	Hydraulic Bolt Tools	1.00 487.10 HR	20.000		7,307 2,436	9,742
IRW-A	Iron Worker - Appren	1.00 487.10 MH	25.000	35,796		35,796
IRW-B	Iron Worker - Bolter	2.00 974.20 MH	33.900	82,706		82,706
IRW-F	Iron Worker - Forema	1.00 487.10 MH	36.900	43,226		43,226
IRW-J	Iron Worker - Rigger	1.00 487.10 MH	33.900	41,353		41,353
OP-CR1	Operator - Crane Med	1.00 487.10 MH	46.300	49,096		49,096
\$313,307.96	1.0800 MH/LF	2,922.6000 MH	[ 37.782 ]	252,177	31,247 29,884	313,308
5.5556	Units/H	50.0008 Un/Shift *	0.9259 Unit/M	93.19	11.55 11.04	115.78

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4340400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 4,359.828 Engr Quan: 0.000

**10300 Form Quan: 156,953.80 SF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

FORM	Form Crew Marine	1,494.79	CH	Prod: 15.0000	UM	Lab Pcs: 7.00	Eqp Pcs: 14.00	
8AC900	Air Compressor - 900	1.00	1,494.80 HR	88.850			52,318	80,495
8ADDSTM	Addon - Small Tool&	1.00	1,494.80 HR	2.650			3,214	747
8BRGCB1	Crane Barge 1-250'x	1.00	1,494.80 HR	150.000			179,376	44,844
8BRGSPD	Mooring, Anchoring a	1.00	1,494.80 HR	35.000			37,370	14,948
8CNCFORMS	Form Work System	1.00	1,494.80 HR	52.000			67,266	10,464
8CRN140T	Manitowoc 3900 W 1	1.00	1,494.80 HR	171.950			142,380	114,651
8CRNMTS	Crane Timber Mats- 2	1.00	1,494.80 HR	30.153			40,245	4,829
8CRNRIG	Crane Rigging Equip	1.00	1,494.80 HR	30.000			37,370	7,474
8GEN1000	Generators 1000 KW	1.00	1,494.80 HR	35.000			29,896	22,422
8PMPDISEL	Disel Tank and Pump	1.00	1,494.80 HR	30.000			37,370	7,474
8SCAFLD	Scaffold and Gangwa	1.00	1,494.80 HR	6.030			8,049	966
8TPU	Pickup Truck	1.00	1,494.80 HR	9.870			5,037	9,716
8WELDTRK	Weld Truck/ Marine	1.00	1,494.80 HR	55.000			74,740	7,474
8WLD500	Welder - 500 Amp Di	1.00	1,494.80 HR	13.810			1,958	18,685
CARP-A	Carpenter - Apprentic	1.00	1,494.80 MH	33.350	125,849			
CARP-F	Carpenter - Foreman	1.00	1,494.80 MH	45.500	149,131			
CARP-J	Carpenter - Journeym	1.00	1,494.80 MH	40.250	139,071			
MECH-J	Mechanic - Master	1.00	1,494.80 MH	37.490	133,782			
OP-CR1	Operator - Crane Med	1.00	1,494.80 MH	46.300	150,664			
WALKB	Walking Boss	1.00	1,494.80 MH	37.500	133,801			
WELD-J	Welder - Journeyman	1.00	1,494.80 MH	43.400	145,107			
\$2,039,183.85	0.0666 MH/SF	10,463.6000	MH	[ 2.703 ]	977,405		716,589	345,190
105.0006	Units/H	945.0051	Un/Shift	15.0000	Unit/M *		4.57	2.20

2,039,184  
12.99

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 4340400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 4,359.828 Engr Quan: 0.000

**10400 Place Rebar** **Quan: 156,953.80 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

REBAR	Rebar Crew		68.99	CH	Prod: 175.0000 UM	Lab Pcs: 13.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	68.99	HR	2.650		148	34	183
8BRGCB2	Crane Barge 2-250'x	1.00	68.99	HR	169.730		9,314	2,396	11,710
8BRGSPD	Mooring, Anchoring a	1.00	68.99	HR	35.000		1,725	690	2,415
8CRNM200T	Manitowoc 777 200T	1.00	68.99	HR	220.000		10,349	4,829	15,178
8CRNRIG	Crane Rigging Equip	1.00	68.99	HR	30.000		1,725	345	2,070
8GEN1000	Generators 1000 KW	1.00	68.99	HR	35.000		1,380	1,035	2,415
8TPU	Pickup Truck	1.00	68.99	HR	9.870		232	448	681
8WELDTRK	Weld Truck/ Marine	1.00	68.99	HR	55.000		3,450	345	3,794
8WLD500	Welder - 500 Amp Di	2.00	137.98	HR	13.810		181	1,725	1,906
IRW-A	Iron Worker - Appren	2.00	137.98	MH	25.000	10,140			10,140
IRW-F	Iron Worker - Forema	1.00	68.99	MH	36.900	6,122			6,122
IRW-LR	Iron Worker - Lather/	4.00	275.96	MH	33.900	23,428			23,428
LONG-1	Longshoreman - Deck	1.00	68.99	MH	40.000	6,396			6,396
MECH-J	Mechanic - Master	1.00	68.99	MH	37.490	6,175			6,175
OP-CR2	Operator - Crane Hea	1.00	68.99	MH	47.300	7,042			7,042
OP-OIL	Equip Oiler	1.00	68.99	MH	43.780	6,731			6,731
WELD-A	Welder - Apprentice	1.00	68.99	MH	37.400	6,167			6,167
WELD-J	Welder - Journeyman	1.00	68.99	MH	43.400	6,697			6,697
\$119,247.91	0.0057 MH/LB	896.8700	MH	[ 0.207 ]	78,898		28,503	11,848	119,248
2,275.0225	Units/H	20,475.2022	Un/Shift	175.0020	Unit/M *	0.50	0.18	0.08	0.76

**10500 Place Concrete** **Quan: 4,359.83 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine		217.99	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00		
8AC1300	Air Compressor - 130	1.00	217.99	HR	131.450		10,464	18,191	28,655
8ADDSTM	Addon - Small Tool&	1.00	217.99	HR	2.650		469	109	578

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4340400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	4,359.828	Engr Quan:	0.000		
8BRGM1	MaterlBrg - 180'x54'x	1.00	217.99 HR	60.307			11,738	1,409		13,146
8BRGSS	Barge Spud System -	2.00	435.98 HR	11.200			4,360	523		4,883
8CNCBOOM	Concrete Pump Boom	1.00	217.99 HR	73.810			11,207	4,883		16,090
8CNCBUCK	Concrete Bucket	6.00	1,307.95 HR	2.270			1,923	1,046		2,969
8CNCCNV	Concrete Conveyer (5	1.00	217.99 HR	18.600			1,907	2,147		4,055
8CNCP	Concrete Pump - 250	1.00	217.99 HR	89.600			17,439	2,093		19,532
8CNCPE1	Concrete Place Equip	1.00	217.99 HR	44.800			8,720	1,046		9,766
8CNCPEQ2	Concrete Pumping Eq	1.00	217.99 HR	56.000			10,900	1,308		12,207
8CNCTMRI	Tremi Pipe	1.00	217.99 HR	45.000			7,630	2,180		9,810
8CNCWT	Concrete Work Tools	1.00	217.99 HR	4.310			940			940
8CRN130T	Grove RT9120E	1.00	217.99 HR	50.400			9,810	1,177		10,987
8CRNM100T	Manitowoc 11000 10	1.00	217.99 HR	150.000			21,799	10,900		32,699
8GEN1	GENSET 1000KW	1.00	217.99 HR	11.200			2,180	262		2,441
8PMPDISEL	Disel Tank and Pump	1.00	217.99 HR	30.000			5,450	1,090		6,540
8TPU	Pickup Truck	1.00	217.99 HR	9.870			735	1,417		2,152
CNC-A	Concrete Worker - Ap	3.00	653.97 MH	32.000	53,927					53,927
CNC-F	Concrete Worker - Fr	1.00	217.99 MH	36.000	19,093					19,093
CNC-J	Concrete Worker - Jo	3.00	653.97 MH	34.000	55,604					55,604
LONG-1	Longshoreman - Deck	2.00	435.98 MH	40.000	40,422					40,422
OP-2	Operator - Medium E	1.00	217.99 MH	43.500	21,189					21,189
OP-C	Operator - Concrete	1.00	217.99 MH	44.100	21,357					21,357
OP-CR1	Operator - Crane Med	1.00	217.99 MH	46.300	21,972					21,972
OP-OIL	Equip Oiler	2.00	435.98 MH	43.780	42,535					42,535
\$453,546.44	0.6999 MH/CY	3,051.8600	MH	[ 26.773 ]	276,099		127,667	49,780		453,546
20.0001	Units/H*	180.0012	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03

**10600 Finish / Cure Concrete Quan: 4,359.83 CY Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

CURE Concrete Cure Crew 217.99 CH Prod: 20.0000 UH Lab Pcs: 5.00 Eqp Pcs: 6.00

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4340400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	4,359.828	Engr Quan:	0.000		
8AC900	Air Compressor - 900	1.00	217.99 HR	88.850			7,630	11,739		19,368
8ADDSTM	Addon - Small Tool&	1.00	217.99 HR	2.650			469	109		578
8CNCCURE	Concrete Cure Equip	1.00	217.99 HR	80.000			14,169	3,270		17,439
8CNCWT	Concrete Work Tools	1.00	217.99 HR	4.310			940			940
8PMPDISEL	Disel Tank and Pump	1.00	217.99 HR	30.000			5,450	1,090		6,540
8TPU	Pickup Truck	1.00	217.99 HR	9.870			735	1,417		2,152
CONF-A	Conc Finisher - Appre	2.00	435.98 MH	30.450	35,085					35,085
CONF-F	Conc Finisher - Fore	1.00	217.99 MH	41.190	20,544					20,544
CONF-J	Conc Finisher - Journ	2.00	435.98 MH	36.700	38,578					38,578
\$141,222.75	0.2499 MH/CY	1,089.9500	MH	[ 8.774 ]	94,207		29,392	17,624		141,223
20.0001	Units/H*	180.0012	Un/Shift	4.0000 Unit/M	21.61		6.74	4.04		32.39

**10700 Transport Materials for Activity** **Quan: 4,359.83 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TRNS</u>	Material Transport Marine	145.32	CH	<b>Prod: 269.9999 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00				
8ADDSTM	Addon - Small Tool&	1.00	145.33 HR	2.650		312	73			385
8BOATT1	Tug - 3000HP	2.00	290.66 HR	105.538		27,389	3,287			30,676
8BRGM1	MaterlBrg - 180'x54'x	2.00	290.66 HR	60.307		15,651	1,878			17,529
8BRGSPD	Mooring, Anchoring a	1.00	145.33 HR	35.000		3,633	1,453			5,087
8CRN130T	Grove RT9120E	1.00	145.33 HR	50.400		6,540	785			7,325
8CRNGRDL	Gradall Support Lift	1.00	145.33 HR	74.000		8,429	2,325			10,754
8CRNM200T	Manitowoc 777 200T	1.00	145.33 HR	220.000		21,800	10,173			31,973
8TPU	Pickup Truck	1.00	145.33 HR	9.870		490	945			1,434
DB-A	Dockbuilder - Appren	2.00	290.66 MH	17.840	18,692					18,692
DB-F	Dockbuilder - Forema	0.50	72.66 MH	47.610	7,446					7,446
DB-GF	Dockbuilder- General	0.50	72.66 MH	50.610	7,725					7,725
DB-R	Dockbuilder - Rigger	2.00	290.66 MH	45.610	29,039					29,039
LONG-1	Longshoreman - Deck	2.00	290.66 MH	40.000	26,949					26,949
LONG-2	Longshoreman - Oper	2.00	290.66 MH	43.500	28,253					28,253

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4340400</b>										
Description = Top Cross Beam										
		Land Item	SCHEDULE: 1	100						
		Unit =	CY	Takeoff Quan:	4,359.828	Engr Quan:	0.000			
OP-CR1	Operator - Crane Med	1.00	145.33 MH	46.300	14,648					14,648
OP-CR2	Operator - Crane Hea	1.00	145.33 MH	47.300	14,834					14,834
OP-OIL	Equip Oiler	2.00	290.66 MH	43.780	28,357					28,357
\$281,105.77	0.4333 MH/CY	1,889.2800	MH	[ 17.472 ]	175,943		84,244	20,919		281,106
30.0016	Units/H	270.0142	Un/Shift *	2.3077 Unit/M	40.36		19.32	4.80		64.48
<hr/>										
=====> Item Totals: 4340400 - Top Cross Beam										
\$4,005,965.38	4.6593 MH/CY	20,314.16	MH	[ 181.237 ]	1,854,729	658,351	1,017,641	475,244		<b>4,005,965</b>
918.836	4359.828 CY				425.41	151.00	233.41	109.01		918.84
<hr/>										
<hr/>										
<b>Total of Above Sub-Biditems</b>										
<hr/>										
=====> Item Totals: 4340000 - Zone 3 -P15 to P32										
\$4,005,965.38	4.6593 MH/CY	20,314.16	MH	[ 181.237 ]	1,854,729	658,351	1,017,641	475,244		<b>4,005,965</b>
918.836	4359.828 CY				425.41	151.00	233.41	109.01		<b>918.84</b>
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**PARENT ITEM 4350000**

Description = Zone 4 -P33 to P43

Unit = CY Takeoff Quan: 4,437.451 Engr Quan: 4,437.451

**Listing of Sub-Biditems of Parent Item 4350000:**

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<b>BID ITEM = 4350400</b>			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit = CY	Takeoff	Quan: 4,437.451	Engr	Quan: 0.000			
<b>10100</b>	<b>Furnish Materials</b>			<b>Quan: 1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
2CONCPIR	Concrete - Pier	4,438.00	CY	97.000		430,486					430,486
2REBAR	Rebar	159,748.24	LB	0.500		79,874					79,874
2TZFORM	Form Material	159,748.24	SF	1.000		159,748					159,748
\$670,108.36				[ ]		670,108					670,108
						670,108.36					670,108.36
<b>10200</b>	<b>Falsework</b>			<b>Quan: 2,754.28 LF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>FLSW</u>	Falsework Crew	495.77	CH	<b>Prod: 50.0000 US</b>		Lab Pcs: 6.00		Eqp Pcs: 4.00			
8AC900	Air Compressor - 900	1.00	495.77 HR	88.850				17,352	26,697		44,049
8ADDSTM	Addon - Small Tool&	1.00	495.77 HR	2.650				1,066	248		1,314
8SCAFFOLD	Scaffold	1.00	495.77 HR	14.000				5,949	992		6,941
8STLBOL	Hydraulic Bolt Tools	1.00	495.77 HR	20.000				7,437	2,479		9,915
IRW-A	Iron Worker - Appren	1.00	495.77 MH	25.000	36,433						36,433
IRW-B	Iron Worker - Bolter	2.00	991.54 MH	33.900	84,178						84,178
IRW-F	Iron Worker - Forema	1.00	495.77 MH	36.900	43,996						43,996
IRW-J	Iron Worker - Rigger	1.00	495.77 MH	33.900	42,089						42,089
OP-CR1	Operator - Crane Med	1.00	495.77 MH	46.300	49,970						49,970
\$318,884.63	1.0799 MH/LF	2,974.6200	MH	[ 37.782 ]	256,666			31,804	30,415		318,885
5.5556	Units/H	50.0000	Un/Shift *	0.9259 Unit/M	93.19			11.55	11.04		115.78
<b>10300</b>	<b>Form</b>			<b>Quan: 159,748.24 SF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>FORM</u>	Form Crew Marine	1,521.41	CH	<b>Prod: 15.0000 UM</b>		Lab Pcs: 7.00		Eqp Pcs: 14.00			
8AC900	Air Compressor - 900	1.00	1,521.41 HR	88.850				53,249	81,928		135,177
8ADDSTM	Addon - Small Tool&	1.00	1,521.41 HR	2.650				3,271	761		4,032
8BRGCB1	Crane Barge 1-250'x	1.00	1,521.41 HR	150.000				182,569	45,642		228,212

\*\*Unreviewed

\*\*Unreviewed

\*\*Unreviewed



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4350400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	4,437.451	Engr Quan:		0.000	
8BRGSPD	Mooring, Anchoring a	1.00	1,521.41 HR	35.000			38,035	15,214		53,249
8CNCFORMS	Form Work System	1.00	1,521.41 HR	52.000			68,463	10,650		79,113
8CRN140T	Manitowoc 3900 W 1	1.00	1,521.41 HR	171.950			144,914	116,692		261,606
8CRNMTS	Crane Timber Mats- 2	1.00	1,521.41 HR	30.153			40,961	4,915		45,876
8CRNRIG	Crane Rigging Equip	1.00	1,521.41 HR	30.000			38,035	7,607		45,642
8GEN1000	Generators 1000 KW	1.00	1,521.41 HR	35.000			30,428	22,821		53,249
8PMPDISEL	Disel Tank and Pump	1.00	1,521.41 HR	30.000			38,035	7,607		45,642
8SCAFLD	Scaffold and Gangwa	1.00	1,521.41 HR	6.030			8,192	983		9,175
8TPU	Pickup Truck	1.00	1,521.41 HR	9.870			5,127	9,889		15,016
8WELDTRK	Weld Truck/ Marine	1.00	1,521.41 HR	55.000			76,071	7,607		83,678
8WLD500	Welder - 500 Amp Di	1.00	1,521.41 HR	13.810			1,993	19,018		21,011
CARP-A	Carpenter - Apprentic	1.00	1,521.41 MH	33.350	128,090					128,090
CARP-F	Carpenter - Foreman	1.00	1,521.41 MH	45.500	151,786					151,786
CARP-J	Carpenter - Journeym	1.00	1,521.41 MH	40.250	141,547					141,547
MECH-J	Mechanic - Master	1.00	1,521.41 MH	37.490	136,164					136,164
OP-CR1	Operator - Crane Med	1.00	1,521.41 MH	46.300	153,346					153,346
WALKB	Walking Boss	1.00	1,521.41 MH	37.500	136,183					136,183
WELD-J	Welder - Journeyman	1.00	1,521.41 MH	43.400	147,690					147,690
\$2,075,484.79	0.0666 MH/SF	10,649.8700	MH	[ 2.703 ]	994,805		729,345	351,335		2,075,485
105.0001	Units/H	945.0011	Un/Shift	15.0000 Unit/M *	6.23		4.57	2.20		12.99

**10400 Place Rebar** **Quan: 159,748.24 LB** **Hrs/Shift: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>REBAR</u>	Rebar Crew	70.21	CH	Prod: 175.0000 UM	Lab Pcs: 13.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	70.22 HR	2.650		151	35
8BRGCB2	Crane Barge 2-250'x	1.00	70.22 HR	169.730		9,480	2,439
8BRGSPD	Mooring, Anchoring a	1.00	70.22 HR	35.000		1,756	702
8CRNM200T	Manitowoc 777 200T	1.00	70.22 HR	220.000		10,533	4,915
8CRNRIG	Crane Rigging Equip	1.00	70.22 HR	30.000		1,756	351

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4350400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	4,437.451	Engr Quan:	0.000		
8GEN1000	Generators 1000 KW	1.00	70.22 HR	35.000				1,404	1,053	2,458
8TPU	Pickup Truck	1.00	70.22 HR	9.870				237	456	693
8WELDTRK	Weld Truck/ Marine	1.00	70.22 HR	55.000				3,511	351	3,862
8WLD500	Welder - 500 Amp Di	2.00	140.44 HR	13.810				184	1,756	1,939
IRW-A	Iron Worker - Appren	2.00	140.44 MH	25.000	10,321					10,321
IRW-F	Iron Worker - Forema	1.00	70.22 MH	36.900	6,231					6,231
IRW-LR	Iron Worker - Lather/	4.00	280.88 MH	33.900	23,846					23,846
LONG-1	Longshoreman - Deck	1.00	70.22 MH	40.000	6,511					6,511
MECH-J	Mechanic - Master	1.00	70.22 MH	37.490	6,285					6,285
OP-CR2	Operator - Crane Hea	1.00	70.22 MH	47.300	7,168					7,168
OP-OIL	Equip Oiler	1.00	70.22 MH	43.780	6,851					6,851
WELD-A	Welder - Apprentice	1.00	70.22 MH	37.400	6,276					6,276
WELD-J	Welder - Journeyman	1.00	70.22 MH	43.400	6,817					6,817
\$121,373.94	0.0057 MH/LB	912.8600	MH	[ 0.207 ]	80,304			29,011	12,059	121,374
2,275.2918	Units/H	20,477.6266	Un/Shift	174.9977 Unit/M	*	0.50		0.18	0.08	0.76

**10500 Place Concrete** **Quan: 4,437.45 CY** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine	221.87	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00				
8AC1300	Air Compressor - 130	1.00	221.87 HR	131.450		10,650	18,515			29,165
8ADDSTM	Addon - Small Tool&	1.00	221.87 HR	2.650		477	111			588
8BRGM1	MaterlBrg - 180'x54'x	1.00	221.87 HR	60.307		11,947	1,434			13,380
8BRGSS	Barge Spud System -	2.00	443.75 HR	11.200		4,438	533			4,970
8CNCBOOM	Concrete Pump Boom	1.00	221.87 HR	73.810		11,406	4,970			16,376
8CNCBUCK	Concrete Bucket	6.00	1,331.24 HR	2.270		1,957	1,065			3,022
8CNCCNV	Concrete Conveyer (5	1.00	221.87 HR	18.600		1,941	2,185			4,127
8CNCP	Concrete Pump - 250	1.00	221.87 HR	89.600		17,750	2,130			19,880
8CNCPE1	Concrete Place Equip	1.00	221.87 HR	44.800		8,875	1,065			9,940
8CNCPEQ2	Concrete Pumping Eq	1.00	221.87 HR	56.000		11,094	1,331			12,425

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4350400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	4,437.451	Engr Quan:	0.000		
8CNCTRMI	Tremi Pipe	1.00	221.87 HR	45.000			7,765	2,219		9,984
8CNCWT	Concrete Work Tools	1.00	221.87 HR	4.310			956			956
8CRN130T	Grove RT9120E	1.00	221.87 HR	50.400			9,984	1,198		11,182
8CRNM100T	Manitowoc 11000 10	1.00	221.87 HR	150.000			22,187	11,094		33,281
8GEN1	GENSET 1000KW	1.00	221.87 HR	11.200			2,219	266		2,485
8PMPDISEL	Disel Tank and Pump	1.00	221.87 HR	30.000			5,547	1,109		6,656
8TPU	Pickup Truck	1.00	221.87 HR	9.870			748	1,442		2,190
CNC-A	Concrete Worker - Ap	3.00	665.62 MH	32.000	54,888					54,888
CNC-F	Concrete Worker - Fr	1.00	221.87 MH	36.000	19,433					19,433
CNC-J	Concrete Worker - Jo	3.00	665.62 MH	34.000	56,594					56,594
LONG-1	Longshoreman - Deck	2.00	443.75 MH	40.000	41,143					41,143
OP-2	Operator - Medium E	1.00	221.87 MH	43.500	21,566					21,566
OP-C	Operator - Concrete	1.00	221.87 MH	44.100	21,737					21,737
OP-CR1	Operator - Crane Med	1.00	221.87 MH	46.300	22,363					22,363
OP-OIL	Equip Oiler	2.00	443.75 MH	43.780	43,293					43,293
\$461,622.80	0.7000 MH/CY	3,106.2200	MH	[ 26.773 ]	281,017		129,940	50,667		461,623
20.0002	Units/H*	180.0020	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03

**10600 Finish / Cure Concrete Quan: 4,437.45 CY Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CURE</u>	Concrete Cure Crew		221.87 CH	Prod: 20.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 6.00		
8AC900	Air Compressor - 900	1.00	221.87 HR	88.850		7,765	11,948	19,713
8ADDSTM	Addon - Small Tool&	1.00	221.87 HR	2.650		477	111	588
8CNCCURE	Concrete Cure Equip	1.00	221.87 HR	80.000		14,422	3,328	17,750
8CNCWT	Concrete Work Tools	1.00	221.87 HR	4.310		956		956
8PMPDISEL	Disel Tank and Pump	1.00	221.87 HR	30.000		5,547	1,109	6,656
8TPU	Pickup Truck	1.00	221.87 HR	9.870		748	1,442	2,190
CONF-A	Conc Finisher - Appre	2.00	443.75 MH	30.450	35,710			35,710
CONF-F	Conc Finisher - Fore	1.00	221.87 MH	41.190	20,909			20,909

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
Resource		Pcs									
BID ITEM = 4350400			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit =	CY	Takeoff Quan:	4,437.451	Engr Quan:		0.000	
CONF-J	Conc Finisher - Journ	2.00	443.75 MH		36.700	39,266					39,266
\$143,738.08	0.2500 MH/CY	1,109.3700	MH		[ 8.775 ]	95,885		29,915	17,938		143,738
20.0002	Units/H*	180.0020	Un/Shift		4.0000 Unit/M	21.61		6.74	4.04		32.39
10700	Transport Materials for Activity			Quan: 4,437.45	CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
											**Unreviewed
TRNS	Material Transport Marine		147.91	CH	Prod: 270.0000	US	Lab Pcs: 13.00	Eqp Pcs: 10.00			
8ADDSTM	Addon - Small Tool&	1.00	147.92	HR	2.650			318	74		392
8BOATT1	Tug - 3000HP	2.00	295.83	HR	105.538			27,876	3,345		31,221
8BRGM1	MaterlBrg - 180'x54'x	2.00	295.83	HR	60.307			15,929	1,912		17,841
8BRGSPD	Mooring, Anchoring a	1.00	147.92	HR	35.000			3,698	1,479		5,177
8CRN130T	Grove RT9120E	1.00	147.92	HR	50.400			6,656	799		7,455
8CRNGRDL	Gradall Support Lift	1.00	147.92	HR	74.000			8,579	2,367		10,946
8CRNM200T	Manitowoc 777 200T	1.00	147.92	HR	220.000			22,188	10,354		32,542
8TPU	Pickup Truck	1.00	147.92	HR	9.870			498	961		1,460
DB-A	Dockbuilder - Appren	2.00	295.83	MH	17.840	19,025					19,025
DB-F	Dockbuilder - Forema	0.50	73.96	MH	47.610	7,579					7,579
DB-GF	Dockbuilder- General	0.50	73.96	MH	50.610	7,863					7,863
DB-R	Dockbuilder - Rigger	2.00	295.83	MH	45.610	29,556					29,556
LONG-1	Longshoreman - Deck	2.00	295.83	MH	40.000	27,428					27,428
LONG-2	Longshoreman - Oper	2.00	295.83	MH	43.500	28,755					28,755
OP-CR1	Operator - Crane Med	1.00	147.92	MH	46.300	14,909					14,909
OP-CR2	Operator - Crane Hea	1.00	147.92	MH	47.300	15,099					15,099
OP-OIL	Equip Oiler	2.00	295.83	MH	43.780	28,862					28,862
\$286,110.44	0.4333 MH/CY	1,922.9100	MH		[ 17.473 ]	179,075		85,744	21,291		286,110
30.0010	Units/H	270.0091	Un/Shift *		2.3077 Unit/M	40.36		19.32	4.80		64.48
=====> Item Totals:		4350400	- Top Cross Beam								
\$4,077,323.04	4.6593 MH/CY	20,675.85	MH		[ 181.237 ]	1,887,752	670,108	1,035,758	483,705		4,077,323

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4350400</b>										
Description = Top Cross Beam										
918.844	4437.451 CY				425.41	151.01	233.41	109.01		918.84

**Total of Above Sub-Biditems**

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=====> Item Totals: 4350000 - Zone 4 -P33 to P43										
\$4,077,323.04	4.6593 MH/CY	20,675.85 MH		[ 181.237 ]	1,887,752	670,108	1,035,758	483,705		4,077,323
918.844	4437.451 CY				425.41	151.01	233.41	109.01		918.84

**PARENT ITEM 4360000**

Description = Zone 6- P46 to P48 Unit = CY Takeoff Quan: 1,360.036 Engr Quan: 1,360.036

**Listing of Sub-Biditems of Parent Item 4360000:**

<b>BID ITEM = 4360400</b>										
Description = Top Cross Beam										

10100	Furnish Materials		Quan:	1.00 EA	Hrs/Shft: 9.00	Cal: 510 WC:NYGEN	
							**Unreviewed
2CONCPIR	Concrete - Pier	1,360.00 CY	97.000		131,920		131,920
2REBAR	Rebar	48,961.28 LB	0.500		24,481		24,481
2TZFORM	Form Material	48,961.28 SF	1.000		48,961		48,961
\$205,361.92			[ ]		205,362		205,362

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4360400</b>		Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam		Unit =	CY	Takeoff Quan:	1,360.036	Engr Quan:	0.000			
					205,361.92					205,361.92
<b>10200</b>	<b>Falsework</b>	<b>Quan: 844.16 LF</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>FLSW</u>	Falsework Crew	151.94	CH	<b>Prod: 50.0000 US</b>	Lab Pcs: 6.00	Eqp Pcs: 4.00				
8AC900	Air Compressor - 900	1.00	151.95 HR	88.850		5,318	8,183			13,501
8ADDSTM	Addon - Small Tool&	1.00	151.95 HR	2.650		327	76			403
8SCAFFOLD	Scaffold	1.00	151.95 HR	14.000		1,823	304			2,127
8STLBOL	Hydraulic Bolt Tools	1.00	151.95 HR	20.000		2,279	760			3,039
IRW-A	Iron Worker - Appren	1.00	151.95 MH	25.000	11,166					11,166
IRW-B	Iron Worker - Bolter	2.00	303.90 MH	33.900	25,800					25,800
IRW-F	Iron Worker - Forema	1.00	151.95 MH	36.900	13,484					13,484
IRW-J	Iron Worker - Rigger	1.00	151.95 MH	33.900	12,900					12,900
OP-CR1	Operator - Crane Med	1.00	151.95 MH	46.300	15,315					15,315
\$97,735.91	1.0800 MH/LF	911.7000	MH	[ 37.782 ]	78,666	9,748	9,322			97,736
5.5559	Units/H	50.0029	Un/Shift *	0.9259 Unit/M	93.19	11.55	11.04			115.78
<b>10300</b>	<b>Form</b>	<b>Quan: 48,961.28 SF</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>FORM</u>	Form Crew Marine	466.29	CH	<b>Prod: 15.0000 UM</b>	Lab Pcs: 7.00	Eqp Pcs: 14.00				
8AC900	Air Compressor - 900	1.00	466.30 HR	88.850		16,321	25,110			41,431
8ADDSTM	Addon - Small Tool&	1.00	466.30 HR	2.650		1,003	233			1,236
8BRGCB1	Crane Barge 1-250'x	1.00	466.30 HR	150.000		55,956	13,989			69,945
8BRGSPD	Mooring, Anchoring a	1.00	466.30 HR	35.000		11,658	4,663			16,321
8CNCFORMS	Form Work System	1.00	466.30 HR	52.000		20,984	3,264			24,248
8CRN140T	Manitowoc 3900 W 1	1.00	466.30 HR	171.950		44,415	35,765			80,180
8CRNMTS	Crane Timber Mats- 2	1.00	466.30 HR	30.153		12,554	1,507			14,061
8CRNRIG	Crane Rigging Equip	1.00	466.30 HR	30.000		11,658	2,332			13,989
8GEN1000	Generators 1000 KW	1.00	466.30 HR	35.000		9,326	6,995			16,321
8PMPDISEL	Disel Tank and Pump	1.00	466.30 HR	30.000		11,658	2,332			13,989

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4360400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,360.036	Engr Quan:	0.000		
8SCAFLD	Scaffold and Gangwa	1.00	466.30 HR	6.030			2,511	301		2,812
8TPU	Pickup Truck	1.00	466.30 HR	9.870			1,571	3,031		4,602
8WELDTRK	Weld Truck/ Marine	1.00	466.30 HR	55.000			23,315	2,332		25,647
8WLD500	Welder - 500 Amp Di	1.00	466.30 HR	13.810			611	5,829		6,440
CARP-A	Carpenter - Apprentic	1.00	466.30 MH	33.350	39,258					39,258
CARP-F	Carpenter - Foreman	1.00	466.30 MH	45.500	46,521					46,521
CARP-J	Carpenter - Journeym	1.00	466.30 MH	40.250	43,383					43,383
MECH-J	Mechanic - Master	1.00	466.30 MH	37.490	41,733					41,733
OP-CR1	Operator - Crane Med	1.00	466.30 MH	46.300	46,999					46,999
WALKB	Walking Boss	1.00	466.30 MH	37.500	41,739					41,739
WELD-J	Welder - Journeyman	1.00	466.30 MH	43.400	45,266					45,266
\$636,119.48	0.0666 MH/SF	3,264.1000	MH	[ 2.703 ]	304,900		223,538	107,681		636,119
105.0018	Units/H	945.0160	Un/Shift	14.9999 Unit/M *	6.23		4.57	2.20		12.99

**10400 Place Rebar** **Quan: 48,961.28 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBAR</u>	Rebar Crew		21.52	CH	<b>Prod: 175.0003 UM</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	21.52	HR	2.650		46	11	57
8BRGCB2	Crane Barge 2-250'x	1.00	21.52	HR	169.730		2,905	747	3,653
8BRGSPD	Mooring, Anchoring a	1.00	21.52	HR	35.000		538	215	753
8CRNM200T	Manitowoc 777 200T	1.00	21.52	HR	220.000		3,228	1,506	4,734
8CRNRIG	Crane Rigging Equip	1.00	21.52	HR	30.000		538	108	646
8GEN1000	Generators 1000 KW	1.00	21.52	HR	35.000		430	323	753
8TPU	Pickup Truck	1.00	21.52	HR	9.870		73	140	212
8WELDTRK	Weld Truck/ Marine	1.00	21.52	HR	55.000		1,076	108	1,184
8WLD500	Welder - 500 Amp Di	2.00	43.04	HR	13.810		56	538	594
IRW-A	Iron Worker - Appren	2.00	43.04	MH	25.000	3,163			3,163
IRW-F	Iron Worker - Forema	1.00	21.52	MH	36.900	1,910			1,910
IRW-LR	Iron Worker - Lather/	4.00	86.09	MH	33.900	7,309			7,309

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4360400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,360.036	Engr Quan:		0.000	
LONG-1	Longshoreman - Deck	1.00	21.52 MH	40.000	1,995					1,995
MECH-J	Mechanic - Master	1.00	21.52 MH	37.490	1,926					1,926
OP-CR2	Operator - Crane Hea	1.00	21.52 MH	47.300	2,197					2,197
OP-OIL	Equip Oiler	1.00	21.52 MH	43.780	2,100					2,100
WELD-A	Welder - Apprentice	1.00	21.52 MH	37.400	1,924					1,924
WELD-J	Welder - Journeyman	1.00	21.52 MH	43.400	2,089					2,089
\$37,197.73	0.0057 MH/LB	279.7700	MH	[ 0.207 ]	24,611		8,891	3,696		37,198
2,275.1524	Units/H	20,476.3718	Un/Shift	175.0057 Unit/M	*	0.50	0.18	0.08		0.76

**10500 Place Concrete** **Quan: 1,360.04 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine	68.00	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00	
8AC1300	Air Compressor - 130	1.00	68.00 HR	131.450		3,264	5,675
8ADDSTM	Addon - Small Tool&	1.00	68.00 HR	2.650		146	34
8BRGM1	MaterlBrg - 180'x54'x	1.00	68.00 HR	60.307		3,662	439
8BRGSS	Barge Spud System -	2.00	136.00 HR	11.200		1,360	163
8CNCBOOM	Concrete Pump Boom	1.00	68.00 HR	73.810		3,496	1,523
8CNCBUCK	Concrete Bucket	6.00	408.01 HR	2.270		600	326
8CNCCNV	Concrete Conveyer (5	1.00	68.00 HR	18.600		595	670
8CNCP	Concrete Pump - 250	1.00	68.00 HR	89.600		5,440	653
8CNCPE1	Concrete Place Equip	1.00	68.00 HR	44.800		2,720	326
8CNCPEQ2	Concrete Pumping Eq	1.00	68.00 HR	56.000		3,400	408
8CNCTRM1	Tremi Pipe	1.00	68.00 HR	45.000		2,380	680
8CNCWT	Concrete Work Tools	1.00	68.00 HR	4.310		293	
8CRN130T	Grove RT9120E	1.00	68.00 HR	50.400		3,060	367
8CRNM100T	Manitowoc 11000 10	1.00	68.00 HR	150.000		6,800	3,400
8GEN1	GENSET 1000KW	1.00	68.00 HR	11.200		680	82
8PMPDISEL	Disel Tank and Pump	1.00	68.00 HR	30.000		1,700	340
8TPU	Pickup Truck	1.00	68.00 HR	9.870		229	442



**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4360400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,360.036	Engr Quan:		0.000	
CNC-A	Concrete Worker - Ap	3.00	204.01 MH	32.000	16,823					16,823
CNC-F	Concrete Worker - Fr	1.00	68.00 MH	36.000	5,956					5,956
CNC-J	Concrete Worker - Jo	3.00	204.01 MH	34.000	17,346					17,346
LONG-1	Longshoreman - Deck	2.00	136.00 MH	40.000	12,609					12,609
OP-2	Operator - Medium E	1.00	68.00 MH	43.500	6,610					6,610
OP-C	Operator - Concrete	1.00	68.00 MH	44.100	6,662					6,662
OP-CR1	Operator - Crane Med	1.00	68.00 MH	46.300	6,854					6,854
OP-OIL	Equip Oiler	2.00	136.00 MH	43.780	13,268					13,268
\$141,481.39	0.6999 MH/CY	952.0200	MH	[ 26.773 ]	86,128		39,825	15,529		141,481
20.0006	Units/H*	180.0053	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03
<hr/>										
<b>10600</b>	<b>Finish / Cure Concrete</b>			<b>Quan: 1,360.04 CY</b>	<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
										**Unreviewed
<u>CURE</u>	Concrete Cure Crew		68.00 CH	<b>Prod: 20.0000 UH</b>	Lab Pcs:	5.00	Eqp Pcs:	6.00		
8AC900	Air Compressor - 900	1.00	68.00 HR	88.850			2,380	3,662		6,042
8ADDSTM	Addon - Small Tool&	1.00	68.00 HR	2.650			146	34		180
8CNCCURE	Concrete Cure Equip	1.00	68.00 HR	80.000			4,420	1,020		5,440
8CNCWT	Concrete Work Tools	1.00	68.00 HR	4.310			293			293
8PMPDISEL	Disel Tank and Pump	1.00	68.00 HR	30.000			1,700	340		2,040
8TPU	Pickup Truck	1.00	68.00 HR	9.870			229	442		671
CONF-A	Conc Finisher - Appre	2.00	136.00 MH	30.450	10,944					10,944
CONF-F	Conc Finisher - Fore	1.00	68.00 MH	41.190	6,408					6,408
CONF-J	Conc Finisher - Journ	2.00	136.00 MH	36.700	12,034					12,034
\$44,053.16	0.2499 MH/CY	340.0000	MH	[ 8.774 ]	29,387		9,168	5,498		44,053
20.0006	Units/H*	180.0053	Un/Shift	4.0001 Unit/M	21.61		6.74	4.04		32.39
<hr/>										
<b>10700</b>	<b>Transport Materials for Activity</b>			<b>Quan: 1,360.04 CY</b>	<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
										**Unreviewed
<u>TRNS</u>	Material Transport Marine		45.33 CH	<b>Prod: 269.9998 US</b>	Lab Pcs:	13.00	Eqp Pcs:	10.00		
8ADDSTM	Addon - Small Tool&	1.00	45.33 HR	2.650			97	23		120

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 4360400</b>			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,360.036	Engr Quan:	0.000			
8BOATT1	Tug - 3000HP	2.00	90.67 HR	105.538				8,544	1,025		9,569
8BRGM1	MaterlBrg - 180'x54'x	2.00	90.67 HR	60.307				4,882	586		5,468
8BRGSPD	Mooring, Anchoring a	1.00	45.33 HR	35.000				1,133	453		1,587
8CRN130T	Grove RT9120E	1.00	45.33 HR	50.400				2,040	245		2,285
8CRNGRDL	Gradall Support Lift	1.00	45.33 HR	74.000				2,629	725		3,354
8CRNM200T	Manitowoc 777 200T	1.00	45.33 HR	220.000				6,800	3,173		9,973
8TPU	Pickup Truck	1.00	45.33 HR	9.870				153	295		447
DB-A	Dockbuilder - Appren	2.00	90.67 MH	17.840	5,831						5,831
DB-F	Dockbuilder - Forema	0.50	22.67 MH	47.610	2,323						2,323
DB-GF	Dockbuilder- General	0.50	22.67 MH	50.610	2,410						2,410
DB-R	Dockbuilder - Rigger	2.00	90.67 MH	45.610	9,059						9,059
LONG-1	Longshoreman - Deck	2.00	90.67 MH	40.000	8,407						8,407
LONG-2	Longshoreman - Oper	2.00	90.67 MH	43.500	8,813						8,813
OP-CR1	Operator - Crane Med	1.00	45.33 MH	46.300	4,569						4,569
OP-CR2	Operator - Crane Hea	1.00	45.33 MH	47.300	4,627						4,627
OP-OIL	Equip Oiler	2.00	90.67 MH	43.780	8,846						8,846
\$87,687.44	0.4333 MH/CY	589.3500	MH	[ 17.472 ]	54,884			26,278	6,525		87,687
30.0031	Units/H	270.0278	Un/Shift *	2.3077 Unit/M	40.36			19.32	4.80		64.47
<hr/>											
=====> Item Totals:		<b>4360400 - Top Cross Beam</b>									
\$1,249,637.03	4.6593 MH/CY	6,336.94	MH	[ 181.237 ]	578,577	205,362		317,448	148,250		<b>1,249,637</b>
918.826	1360.036 CY				425.41	151.00		233.41	109.00		918.83
<hr/>											
<hr/>											
<b>Total of Above Sub-Biditems</b>											
<hr/>											
=====> Item Totals:		<b>4360000 - Zone 6- P46 to P48</b>									
\$1,249,637.03	4.6593 MH/CY	6,336.94	MH	[ 181.237 ]	578,577	205,362		317,448	148,250		<b>1,249,637</b>

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4360400</b>		Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam			Unit = CY	Takeoff Quan:	1,360.036	Engr Quan:		0.000		
<b>918.826</b>	<b>1360.036 CY</b>				<b>425.41</b>	<b>151.00</b>	<b>233.41</b>	<b>109.00</b>		<b>918.83</b>
<hr/>										
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**PARENT ITEM 4370000**

Description = Zone 6- P49 to P51

Unit = CY Takeoff Quan: 1,608.050 Engr Quan: 1,608.000

**Listing of Sub-Biditems of Parent Item 4370000:**

<b>BID ITEM = 4370400</b>		Land Item	SCHEDULE: 1		100				
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,608.050	Engr Quan:	0.000	
<b>10100</b>	<b>Furnish Materials</b>		<b>Quan:</b>	<b>1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>		
									**Unreviewed
2CONCPIR	Concrete - Pier	1,610.00 CY	97.000		156,170				156,170
2REBAR	Rebar	57,889.80 LB	0.500		28,945				28,945
2TZFORM	Form Material	57,889.80 SF	1.000		57,890				57,890
\$243,004.70			[ ]		243,005				243,005
					243,004.70				243,004.70
<b>10200</b>	<b>Falsework</b>		<b>Quan:</b>	<b>998.10 LF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>		
									**Unreviewed
<u>FLSW</u>	Falsework Crew	179.65	CH	<b>Prod: 50.0000 US</b>	Lab Pcs:	6.00	Eqp Pcs:	4.00	
8AC900	Air Compressor - 900	1.00	179.66 HR	88.850			6,288	9,675	15,963
8ADDSTM	Addon - Small Tool&	1.00	179.66 HR	2.650			386	90	476
8SCAFFOLD	Scaffold	1.00	179.66 HR	14.000			2,156	359	2,515
8STLBOL	Hydraulic Bolt Tools	1.00	179.66 HR	20.000			2,695	898	3,593

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
<hr/>											
<b>BID ITEM = 4370400</b>			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit =	CY	Takeoff Quan:	1,608.050	Engr Quan:		0.000	
IRW-A	Iron Worker - Appren	1.00	179.66 MH	25.000		13,203					13,203
IRW-B	Iron Worker - Bolter	2.00	359.32 MH	33.900		30,505					30,505
IRW-F	Iron Worker - Forema	1.00	179.66 MH	36.900		15,943					15,943
IRW-J	Iron Worker - Rigger	1.00	179.66 MH	33.900		15,252					15,252
OP-CR1	Operator - Crane Med	1.00	179.66 MH	46.300		18,108					18,108
\$115,559.24	1.0800 MH/LF	1,077.9600	MH	[ 37.782 ]		93,012		11,525	11,022		115,559
5.5558	Units/H	50.0022	Un/Shift *	0.9259 Unit/M		93.19		11.55	11.04		115.78
<hr/>											
<b>10300</b>	<b>Form</b>			<b>Quan: 57,889.80</b>	<b>SF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
											**Unreviewed
<u>FORM</u>	Form Crew Marine		551.33	CH	<b>Prod: 15.0000</b>	UM	Lab Pcs:	7.00	Eqp Pcs:	14.00	
8AC900	Air Compressor - 900	1.00	551.33	HR	88.850				19,297	29,689	48,986
8ADDSTM	Addon - Small Tool&	1.00	551.33	HR	2.650				1,185	276	1,461
8BRGCB1	Crane Barge 1-250'x	1.00	551.33	HR	150.000				66,160	16,540	82,700
8BRGSPD	Mooring, Anchoring a	1.00	551.33	HR	35.000				13,783	5,513	19,297
8CNCFORMS	Form Work System	1.00	551.33	HR	52.000				24,810	3,859	28,669
8CRN140T	Manitowoc 3900 W 1	1.00	551.33	HR	171.950				52,514	42,287	94,801
8CRNMTS	Crane Timber Mats- 2	1.00	551.33	HR	30.153				14,844	1,781	16,625
8CRNRIG	Crane Rigging Equip	1.00	551.33	HR	30.000				13,783	2,757	16,540
8GEN1000	Generators 1000 KW	1.00	551.33	HR	35.000				11,027	8,270	19,297
8PMPDISEL	Disel Tank and Pump	1.00	551.33	HR	30.000				13,783	2,757	16,540
8SCAFLD	Scaffold and Gangwa	1.00	551.33	HR	6.030				2,969	356	3,325
8TPU	Pickup Truck	1.00	551.33	HR	9.870				1,858	3,584	5,442
8WELDTRK	Weld Truck/ Marine	1.00	551.33	HR	55.000				27,567	2,757	30,323
8WLD500	Welder - 500 Amp Di	1.00	551.33	HR	13.810				722	6,892	7,614
CARP-A	Carpenter - Apprentic	1.00	551.33	MH	33.350	46,417					46,417
CARP-F	Carpenter - Foreman	1.00	551.33	MH	45.500	55,004					55,004
CARP-J	Carpenter - Journeym	1.00	551.33	MH	40.250	51,294					51,294
MECH-J	Mechanic - Master	1.00	551.33	MH	37.490	49,343					49,343

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4370400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,608.050	Engr Quan:	0.000		
OP-CR1	Operator - Crane Med	1.00	551.33 MH	46.300	55,570					55,570
WALKB	Walking Boss	1.00	551.33 MH	37.500	49,350					49,350
WELD-J	Welder - Journeyman	1.00	551.33 MH	43.400	53,520					53,520
\$752,116.18	0.0666 MH/SF	3,859.3100	MH	[ 2.703 ]	360,498		264,301	127,317		752,116
105.0003	Units/H	945.0024	Un/Shift	15.0000 Unit/M	*	6.23	4.57	2.20		12.99
<hr/>										
<b>10400</b>	<b>Place Rebar</b>			<b>Quan: 57,889.80 LB</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>REBAR</u>	Rebar Crew		25.44 CH	<b>Prod: 174.9998 UM</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00				**Unreviewed
8ADDSTM	Addon - Small Tool&	1.00	25.45 HR	2.650		55	13			67
8BRGCB2	Crane Barge 2-250'x	1.00	25.45 HR	169.730		3,436	884			4,320
8BRGSPD	Mooring, Anchoring a	1.00	25.45 HR	35.000		636	255			891
8CRNM200T	Manitowoc 777 200T	1.00	25.45 HR	220.000		3,818	1,782			5,599
8CRNRIG	Crane Rigging Equip	1.00	25.45 HR	30.000		636	127			764
8GEN1000	Generators 1000 KW	1.00	25.45 HR	35.000		509	382			891
8TPU	Pickup Truck	1.00	25.45 HR	9.870		86	165			251
8WELDTRK	Weld Truck/ Marine	1.00	25.45 HR	55.000		1,273	127			1,400
8WLD500	Welder - 500 Amp Di	2.00	50.89 HR	13.810		67	636			703
IRW-A	Iron Worker - Appren	2.00	50.89 MH	25.000	3,740					3,740
IRW-F	Iron Worker - Forema	1.00	25.45 MH	36.900	2,259					2,259
IRW-LR	Iron Worker - Lather/	4.00	101.78 MH	33.900	8,641					8,641
LONG-1	Longshoreman - Deck	1.00	25.45 MH	40.000	2,360					2,360
MECH-J	Mechanic - Master	1.00	25.45 MH	37.490	2,278					2,278
OP-CR2	Operator - Crane Hea	1.00	25.45 MH	47.300	2,598					2,598
OP-OIL	Equip Oiler	1.00	25.45 MH	43.780	2,483					2,483
WELD-A	Welder - Apprentice	1.00	25.45 MH	37.400	2,275					2,275
WELD-J	Welder - Journeyman	1.00	25.45 MH	43.400	2,471					2,471
\$43,987.23	0.0057 MH/LB	330.8200	MH	[ 0.207 ]	29,102		10,514	4,370		43,987
2.275.5425	Units/H	20,479.8821	Un/Shift	174.9888 Unit/M	*	0.50	0.18	0.08		0.76

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4370400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 1,608.050 Engr Quan: 0.000

**10500 Place Concrete Quan: 1,608.05 CY Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

CONC	Description	Quantity	Unit	Unit Cost	Lab Pcs	Eqp Pcs	Total
8AC1300	Air Compressor - 130	1.00	80.40 HR	131.450		3,859	10,569
8ADDSTM	Addon - Small Tool&	1.00	80.40 HR	2.650		173	213
8BRGM1	MaterlBrg - 180'x54'x	1.00	80.40 HR	60.307		4,329	4,849
8BRGSS	Barge Spud System -	2.00	160.81 HR	11.200		1,608	1,801
8CNCBOOM	Concrete Pump Boom	1.00	80.40 HR	73.810		4,133	5,934
8CNCBUCK	Concrete Bucket	6.00	482.42 HR	2.270		709	1,095
8CNCCNV	Concrete Conveyer (5	1.00	80.40 HR	18.600		704	1,495
8CNCP	Concrete Pump - 250	1.00	80.40 HR	89.600		6,432	7,204
8CNCPE1	Concrete Place Equip	1.00	80.40 HR	44.800		3,216	3,602
8CNCPEQ2	Concrete Pumping Eq	1.00	80.40 HR	56.000		4,020	4,502
8CNCTMRI	Tremi Pipe	1.00	80.40 HR	45.000		2,814	3,618
8CNCWT	Concrete Work Tools	1.00	80.40 HR	4.310		347	347
8CRN130T	Grove RT9120E	1.00	80.40 HR	50.400		3,618	4,052
8CRNM100T	Manitowoc 11000 10	1.00	80.40 HR	150.000		8,040	12,060
8GEN1	GENSET 1000KW	1.00	80.40 HR	11.200		804	900
8PMPDISEL	Disel Tank and Pump	1.00	80.40 HR	30.000		2,010	2,412
8TPU	Pickup Truck	1.00	80.40 HR	9.870		271	794
CNC-A	Concrete Worker - Ap	3.00	241.21 MH	32.000	19,890		19,890
CNC-F	Concrete Worker - Fr	1.00	80.40 MH	36.000	7,042		7,042
CNC-J	Concrete Worker - Jo	3.00	241.21 MH	34.000	20,509		20,509
LONG-1	Longshoreman - Deck	2.00	160.81 MH	40.000	14,910		14,910
OP-2	Operator - Medium E	1.00	80.40 MH	43.500	7,815		7,815
OP-C	Operator - Concrete	1.00	80.40 MH	44.100	7,877		7,877
OP-CR1	Operator - Crane Med	1.00	80.40 MH	46.300	8,104		8,104
OP-OIL	Equip Oiler	2.00	160.81 MH	43.780	15,689		15,689

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4370400			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam				Unit = CY	Takeoff Quan:	1,608.050	Engr Quan:		0.000	
\$167,282.66	0.7000 MH/CY	1,125.6400	MH	[ 26.773 ]	101,836		47,087	18,360		167,283
20.0006	Units/H*	180.0056	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03
10600	Finish / Cure Concrete			Quan: 1,608.05 CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
CURE	Concrete Cure Crew		80.40 CH	Prod: 20.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	6.00		**Unreviewed
8AC900	Air Compressor - 900	1.00	80.40 HR	88.850			2,814	4,330		7,144
8ADDSTM	Addon - Small Tool&	1.00	80.40 HR	2.650			173	40		213
8CNCCURE	Concrete Cure Equip	1.00	80.40 HR	80.000			5,226	1,206		6,432
8CNCWT	Concrete Work Tools	1.00	80.40 HR	4.310			347			347
8PMPDISEL	Disel Tank and Pump	1.00	80.40 HR	30.000			2,010	402		2,412
8TPU	Pickup Truck	1.00	80.40 HR	9.870			271	523		794
CONF-A	Conc Finisher - Appre	2.00	160.81 MH	30.450	12,941					12,941
CONF-F	Conc Finisher - Fore	1.00	80.40 MH	41.190	7,577					7,577
CONF-J	Conc Finisher - Journ	2.00	160.81 MH	36.700	14,229					14,229
\$52,088.07	0.2500 MH/CY	402.0200	MH	[ 8.775 ]	34,747		10,840	6,500		52,088
20.0006	Units/H*	180.0056	Un/Shift	3.9999 Unit/M	21.61		6.74	4.04		32.39
10700	Transport Materials for Activity			Quan: 1,608.05 CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
TRNS	Material Transport Marine		53.60 CH	Prod: 269.9998 US	Lab Pcs:	13.00	Eqp Pcs:	10.00		**Unreviewed
8ADDSTM	Addon - Small Tool&	1.00	53.60 HR	2.650			115	27		142
8BOATT1	Tug - 3000HP	2.00	107.20 HR	105.538			10,102	1,212		11,314
8BRGM1	MaterlBrg - 180'x54'x	2.00	107.20 HR	60.307			5,772	693		6,465
8BRGSPD	Mooring, Anchoring a	1.00	53.60 HR	35.000			1,340	536		1,876
8CRN130T	Grove RT9120E	1.00	53.60 HR	50.400			2,412	289		2,701
8CRNGRDL	Gradall Support Lift	1.00	53.60 HR	74.000			3,109	858		3,966
8CRNM200T	Manitowoc 777 200T	1.00	53.60 HR	220.000			8,040	3,752		11,792
8TPU	Pickup Truck	1.00	53.60 HR	9.870			181	348		529
DB-A	Dockbuilder - Appren	2.00	107.20 MH	17.840	6,894					6,894

## DIRECT COST REPORT

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
Resource						Material	Matl/Ex Ownershi	Operatio			
<hr/>											
BID ITEM = 4370400			Land Item	SCHEDULE:	1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,608.050	Engr Quan:		0.000		
DB-F	Dockbuilder - Forema	0.50	26.80 MH	47.610	2,746						2,746
DB-GF	Dockbuilder- General	0.50	26.80 MH	50.610	2,849						2,849
DB-R	Dockbuilder - Rigger	2.00	107.20 MH	45.610	10,710						10,710
LONG-1	Longshoreman - Deck	2.00	107.20 MH	40.000	9,939						9,939
LONG-2	Longshoreman - Oper	2.00	107.20 MH	43.500	10,420						10,420
OP-CR1	Operator - Crane Med	1.00	53.60 MH	46.300	5,402						5,402
OP-CR2	Operator - Crane Hea	1.00	53.60 MH	47.300	5,471						5,471
OP-OIL	Equip Oiler	2.00	107.20 MH	43.780	10,459						10,459
\$103,676.66	0.4333 MH/CY	696.8000	MH	[ 17.472 ]	64,891			31,071	7,715		103,677
30.0009	Units/H	270.0084	Un/Shift *	2.3078 Unit/M	40.35			19.32	4.80		64.47
<hr/>											
=====> Item Totals:      4370400    - Top Cross Beam											
\$1,477,714.74	4.6594 MH/CY	7,492.55	MH	[ 181.237 ]	684,087	243,005		375,338	175,285		1,477,715
918.948	1608.05 CY				425.41	151.12		233.41	109.00		918.95
<hr/>											
Total of Above Sub-Biditems											
<hr/>											
=====> Item Totals:      4370000    - Zone 6- P49 to P51											
\$1,477,714.74	4.6594 MH/CY	7,492.55	MH	[ 181.237 ]	684,087	243,005		375,338	175,285		1,477,715
918.948	1608.05 CY				425.41	151.12		233.41	109.00		918.95
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**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**PARENT ITEM 4380000**

Description = Zone 7- P52 to P57

Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 1,974.964

**Listing of Sub-Biditems of Parent Item 4380000:**

**BID ITEM = 4380400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100

Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 0.000

10100	Furnish Materials	Quan: 1.00 EA	Hrs/Shft: 9.00	Cal: 510 WC:NYGEN	**Unreviewed
2CONCPIR	Concrete - Pier	1,980.00 CY	97.000	192,060	192,060
2REBAR	Rebar	71,098.72 LB	0.500	35,549	35,549
2TZFORM	Form Material	71,098.72 SF	1.000	71,099	71,099
\$298,708.08		[ ]		298,708	298,708
				298,708.08	298,708.08

10200	Falsework	Quan: 1,225.84 LF	Hrs/Shft: 9.00	Cal: 510 WC:NYGEN	**Unreviewed
<u>FLSW</u>	Falsework Crew	220.65 CH	Prod: 50.0000 US	Lab Pcs: 6.00	Eqp Pcs: 4.00
8AC900	Air Compressor - 900	1.00 220.65 HR	88.850		7,723 11,882
8ADDSTM	Addon - Small Tool&	1.00 220.65 HR	2.650		474 110
8SCAFFOLD	Scaffold	1.00 220.65 HR	14.000		2,648 441
8STLBOL	Hydraulic Bolt Tools	1.00 220.65 HR	20.000		3,310 1,103
IRW-A	Iron Worker - Appren	1.00 220.65 MH	25.000	16,215	
IRW-B	Iron Worker - Bolter	2.00 441.30 MH	33.900	37,465	
IRW-F	Iron Worker - Forema	1.00 220.65 MH	36.900	19,581	
IRW-J	Iron Worker - Rigger	1.00 220.65 MH	33.900	18,732	
OP-CR1	Operator - Crane Med	1.00 220.65 MH	46.300	22,240	
\$141,924.49	1.0799 MH/LF	1,323.9000 MH	[ 37.782 ]	114,233	14,155 13,537
5.5556 Units/H	50.0003 Un/Shift *	0.9259 Unit/M		93.19	11.55 11.04
					115.78

**DIRECT COST REPORT**

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	
Resource								Material	Matl/Ex Ownershi	Operatio		Contract	Total
<hr/>													
<b>BID ITEM = 4380400</b>			Land Item		SCHEDULE:	1	100						
Description = Top Cross Beam			Unit =		CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000				
<hr/>													
<b>10300</b>	<b>Form</b>			<b>Quan:</b>	<b>71,098.72</b>	<b>SF</b>	<b>Hrs/Shft:</b>	<b>9.00</b>	<b>Cal:</b>	<b>510</b>	<b>WC:</b>	<b>NYGEN</b>	
													**Unreviewed
<u>FORML</u>	Form Crew Land		592.48	CH	<b>Prod:</b>	<b>15.0000</b>	UM	Lab Pcs:	8.00	Eqp Pcs:	14.00		
8AC900	Air Compressor - 900	1.00	592.49	HR	88.850					20,737	31,906	52,643	
8ADDSTM	Addon - Small Tool&	1.00	592.49	HR	2.650					1,274	296	1,570	
8CNCFORMS	Form Work System	1.00	592.49	HR	52.000					26,662	4,147	30,809	
8CRN130T	Grove RT9120E	1.00	592.49	HR	50.400					26,662	3,199	29,861	
8CRNM150T	Manitowoc 555 150 T	1.00	592.49	HR	187.000					74,061	36,734	110,796	
8CRNMTS	Crane Timber Mats- 2	1.00	592.49	HR	30.153					15,952	1,914	17,866	
8CRNRIG	Crane Rigging Equip	1.00	592.49	HR	30.000					14,812	2,962	17,775	
8GEN1000	Generators 1000 KW	1.00	592.49	HR	35.000					11,850	8,887	20,737	
8PMPDISEL	Disel Tank and Pump	1.00	592.49	HR	30.000					14,812	2,962	17,775	
8SCAFFOLD	Scaffold	1.00	592.49	HR	14.000					7,110	1,185	8,295	
8SCAFLD	Scaffold and Gangwa	1.00	592.49	HR	6.030					3,190	383	3,573	
8TPU	Pickup Truck	1.00	592.49	HR	9.870					1,997	3,851	5,848	
8WELDTRK	Weld Truck/ Marine	1.00	592.49	HR	55.000					29,625	2,962	32,587	
8WLD500	Welder - 500 Amp Di	1.00	592.49	HR	13.810					776	7,406	8,182	
CARP-A	Carpenter - Apprentic	1.00	592.49	MH	33.350			49,883				49,883	
CARP-F	Carpenter - Foreman	1.00	592.49	MH	45.500			59,111				59,111	
CARP-J	Carpenter - Journeym	1.00	592.49	MH	40.250			55,123				55,123	
MECH-J	Mechanic - Master	1.00	592.49	MH	37.490			53,027				53,027	
OP-CR1	Operator - Crane Med	2.00	1,184.98	MH	46.300			119,436				119,436	
OP-OIL	Equip Oiler	1.00	592.49	MH	43.780			57,804				57,804	
WELD-J	Welder - Journeyman	1.00	592.49	MH	43.400			57,516				57,516	
\$810,216.65	0.0666 MH/SF	4,739.9200	MH	[ 2.803 ]			451,900		249,520	108,797		810,217	
120.0019	Units/H	1,080.0170	Un/Shift	15.0000	Unit/M	*	6.36		3.51	1.53		11.40	

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4380400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 0.000

**10400 Place Rebar** **Quan: 71,098.72 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBARL</u>	Rebar Land Crew		29.01	CH	<b>Prod: 174.9999 UM</b>	Lab Pcs: 14.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	29.02	HR	2.650		62	15	77
8CRN130T	Grove RT9120E	1.00	29.02	HR	50.400		1,306	157	1,463
8CRNM200T	Manitowoc 777 200T	1.00	29.02	HR	220.000		4,353	2,031	6,384
8CRNRIG	Crane Rigging Equip	1.00	29.02	HR	30.000		726	145	871
8GEN1000	Generators 1000 KW	1.00	29.02	HR	35.000		580	435	1,016
8TPU	Pickup Truck	1.00	29.02	HR	9.870		98	189	286
8TT&T50T	Lowbed Tractor/Trail	1.00	29.02	HR	132.170		2,060	1,776	3,836
8WELDTRK	Weld Truck/ Marine	1.00	29.02	HR	55.000		1,451	145	1,596
8WLD500	Welder - 500 Amp Di	2.00	58.04	HR	13.810		76	726	802
IRW-A	Iron Worker - Appren	2.00	58.04	MH	25.000	4,265			4,265
IRW-F	Iron Worker - Forema	1.00	29.02	MH	36.900	2,575			2,575
IRW-LR	Iron Worker - Lather/	4.00	116.08	MH	33.900	9,855			9,855
MECH-J	Mechanic - Master	1.00	29.02	MH	37.490	2,597			2,597
OP-CR1	Operator - Crane Med	1.00	29.02	MH	46.300	2,925			2,925
OP-CR2	Operator - Crane Hea	1.00	29.02	MH	47.300	2,962			2,962
OP-OIL	Equip Oiler	1.00	29.02	MH	43.780	2,831			2,831
TEAM-2	Teamster - 2	1.00	29.02	MH	48.550	3,009			3,009
WELD-A	Welder - Apprentice	1.00	29.02	MH	37.400	2,594			2,594
WELD-J	Welder - Journeyman	1.00	29.02	MH	43.400	2,817			2,817
\$52,760.46	0.0057 MH/LB	406.2800	MH	[ 0.215 ]	36,431		10,712	5,618	52,760
2,450.8349	Units/H	22,057.5140	Un/Shift	174.9996	Unit/M *	0.51	0.15	0.08	0.74

**10500 Place Concrete** **Quan: 1,974.96 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONCL</u>	Concrete Place Land		98.74	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 12.00	Eqp Pcs: 15.00		
8AC1300	Air Compressor - 130	1.00	98.75	HR	131.450		4,740	8,241	12,981

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4380400</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000		
8ADDSTM	Addon - Small Tool&	1.00	98.75 HR	2.650			212	49		262
8CNCBOOM	Concrete Pump Boom	1.00	98.75 HR	73.810			5,077	2,212		7,289
8CNCBUCK	Concrete Bucket	1.00	98.75 HR	2.270			145	79		224
8CNCCNV	Concrete Conveyer (5	1.00	98.75 HR	18.600			864	973		1,837
8CNCP	Concrete Pump - 250	1.00	98.75 HR	89.600			7,900	948		8,848
8CNCPE1	Concrete Place Equip	1.00	98.75 HR	44.800			3,950	474		4,424
8CNCPEQ2	Concrete Pumping Eq	1.00	98.75 HR	56.000			4,938	593		5,530
8CNCTMRI	Tremi Pipe	1.00	98.75 HR	45.000			3,456	988		4,444
8CNCWT	Concrete Work Tools	1.00	98.75 HR	4.310			426			426
8CRN130T	Grove RT9120E	1.00	98.75 HR	50.400			4,444	533		4,977
8CRNM100T	Manitowoc 11000 10	1.00	98.75 HR	150.000			9,875	4,938		14,813
8GEN1	GENSET 1000KW	1.00	98.75 HR	11.200			988	119		1,106
8PMPDISEL	Disel Tank and Pump	1.00	98.75 HR	30.000			2,469	494		2,963
8TPU	Pickup Truck	1.00	98.75 HR	9.870			333	642		975
CNC-A	Concrete Worker - Ap	3.00	296.24 MH	32.000	24,428					24,428
CNC-F	Concrete Worker - Fr	1.00	98.75 MH	36.000	8,649					8,649
CNC-J	Concrete Worker - Jo	3.00	296.24 MH	34.000	25,188					25,188
OP-2	Operator - Medium E	1.00	98.75 MH	43.500	9,599					9,599
OP-C	Operator - Concrete	1.00	98.75 MH	44.100	9,675					9,675
OP-CR1	Operator - Crane Med	1.00	98.75 MH	46.300	9,953					9,953
OP-OIL	Equip Oiler	2.00	197.50 MH	43.780	19,268					19,268
\$177,856.35	0.6000 MH/CY	1,184.9800	MH	[ 22.773 ]	106,760		49,815	21,281		177,856
20.0016	Units/H*	180.0146	Un/Shift	1.6667 Unit/M	54.06		25.22	10.78		90.06

**10600 Finish / Cure Concrete** **Quan: 1,974.96 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CURE</u>	Concrete Cure Crew		98.74 CH	<b>Prod: 20.0000 UH</b>	Lab Pcs:	5.00	Eqp Pcs:	6.00		
8AC900	Air Compressor - 900	1.00	98.75 HR	88.850			3,456	5,318		8,774
8ADDSTM	Addon - Small Tool&	1.00	98.75 HR	2.650			212	49		262

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4380400</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000		
8CNCCURE	Concrete Cure Equip	1.00	98.75 HR	80.000			6,419	1,481		7,900
8CNCWT	Concrete Work Tools	1.00	98.75 HR	4.310			426			426
8PMPDISEL	Disel Tank and Pump	1.00	98.75 HR	30.000			2,469	494		2,963
8TPU	Pickup Truck	1.00	98.75 HR	9.870			333	642		975
CONF-A	Conc Finisher - Appre	2.00	197.50 MH	30.450	15,894					15,894
CONF-F	Conc Finisher - Fore	1.00	98.75 MH	41.190	9,306					9,306
CONF-J	Conc Finisher - Journ	2.00	197.50 MH	36.700	17,476					17,476
\$63,974.23	0.2500 MH/CY	493.7500	MH	[ 8.775 ]	42,676		13,314	7,984		63,974
20.0016	Units/H*	180.0146	Un/Shift	3.9999 Unit/M	21.61		6.74	4.04		32.39
<hr/>										
<b>10700</b>	<b>Transport Materials for Activity</b>	<b>Quan: 1,974.96 CY</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>TRNSL</u>	Material Transport Land	65.83	CH	<b>Prod: 270.0000 US</b>	Lab Pcs: 8.00	Eqp Pcs: 6.00				
8ADDSTM	Addon - Small Tool&	1.00	65.83 HR	2.650		142	33			174
8CRN130T	Grove RT9120E	1.00	65.83 HR	50.400		2,962	355			3,318
8CRNGRDL	Gradall Support Lift	1.00	65.83 HR	74.000		3,818	1,053			4,871
8CRNM100T	Manitowoc 11000 10	1.00	65.83 HR	150.000		6,583	3,292			9,875
8TPU	Pickup Truck	1.00	65.83 HR	9.870		222	428			650
8TSTLTRS	Heavy Transport Lan	1.00	65.83 HR	150.000		6,583	3,292			9,875
DB-A	Dockbuilder - Appren	2.00	131.66 MH	17.840	8,467					8,467
DB-F	Dockbuilder - Forema	0.50	32.92 MH	47.610	3,373					3,373
DB-GF	Dockbuilder- General	0.50	32.92 MH	50.610	3,500					3,500
DB-R	Dockbuilder - Rigger	2.00	131.66 MH	45.610	13,154					13,154
OP-3	Operator - Heavy Equ	1.00	65.83 MH	45.670	6,582					6,582
OP-LHD	Operator - Load, Haul	1.00	65.83 MH	45.000	6,525					6,525
OP-OIL	Equip Oiler	1.00	65.83 MH	43.780	6,422					6,422
\$76,786.35	0.2666 MH/CY	526.6500	MH	[ 10.349 ]	48,024		20,310	8,453		76,786
30.0009	Units/H	270.0082	Un/Shift *	3.7500 Unit/M	24.32		10.28	4.28		38.88
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\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4380400**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 0.000

=====> Item Totals: **4380400 - Top Cross Beam**

\$1,622,226.61	4.3927 MH/CY	8,675.48 MH	[ 173.998 ]	800,023	298,708	357,826	165,669	<b>1,622,227</b>
821.396	1974.964 CY			405.08	151.25	181.18	83.88	821.40

**Total of Above Sub-Biditems**

=====> Item Totals: **4380000 - Zone 7- P52 to P57**

\$1,622,226.61	4.3927 MH/CY	8,675.48 MH	[ 173.998 ]	800,023	298,708	357,826	165,669	<b>1,622,227</b>
821.396	1974.964 CY			405.08	151.25	181.18	83.88	821.40

**PARENT ITEM 4390000**

Description = Zone 7- P58 to P62

Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 1,974.964

**Listing of Sub-Biditems of Parent Item 4390000:**

**BID ITEM = 4390300**

Description = Top Cross Beam

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 0.000

<b>10100</b>	<b>Furnish Materials</b>	<b>Quan: 1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510 WC:NYGEN</b>
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\*\*Unreviewed

2CONCPIR	Concrete - Pier	1,980.00 CY	97.000	192,060	192,060
2REBAR	Rebar	71,098.72 LB	0.500	35,549	35,549

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4390300</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000		
2TZFORM	Form Material	71,098.72	SF	1.000		71,099				71,099
\$298,708.08				[ ]		298,708				298,708
						298,708.08				298,708.08
<b>10200</b>	<b>Falsework</b>			<b>Quan: 1,225.84 LF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>FLSW</u>	Falsework Crew	220.65	CH	<b>Prod: 50.0000 US</b>	Lab Pcs:	6.00	Eqp Pcs:	4.00		**Unreviewed
8AC900	Air Compressor - 900	1.00	220.65 HR	88.850			7,723	11,882		19,605
8ADDSTM	Addon - Small Tool&	1.00	220.65 HR	2.650			474	110		585
8SCAFFOLD	Scaffold	1.00	220.65 HR	14.000			2,648	441		3,089
8STLBOL	Hydraulic Bolt Tools	1.00	220.65 HR	20.000			3,310	1,103		4,413
IRW-A	Iron Worker - Appren	1.00	220.65 MH	25.000	16,215					16,215
IRW-B	Iron Worker - Bolter	2.00	441.30 MH	33.900	37,465					37,465
IRW-F	Iron Worker - Forema	1.00	220.65 MH	36.900	19,581					19,581
IRW-J	Iron Worker - Rigger	1.00	220.65 MH	33.900	18,732					18,732
OP-CR1	Operator - Crane Med	1.00	220.65 MH	46.300	22,240					22,240
\$141,924.49	1.0799 MH/LF	1,323.9000	MH	[ 37.782 ]	114,233		14,155	13,537		141,924
5.5556	Units/H	50.0003	Un/Shift *	0.9259 Unit/M	93.19		11.55	11.04		115.78
<b>10300</b>	<b>Form</b>			<b>Quan: 71,098.72 SF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>FORML</u>	Form Crew Land	592.48	CH	<b>Prod: 15.0000 UM</b>	Lab Pcs:	8.00	Eqp Pcs:	14.00		**Unreviewed
8AC900	Air Compressor - 900	1.00	592.49 HR	88.850			20,737	31,906		52,643
8ADDSTM	Addon - Small Tool&	1.00	592.49 HR	2.650			1,274	296		1,570
8CNCFORMS	Form Work System	1.00	592.49 HR	52.000			26,662	4,147		30,809
8CRN130T	Grove RT9120E	1.00	592.49 HR	50.400			26,662	3,199		29,861
8CRNM150T	Manitowoc 555 150 T	1.00	592.49 HR	187.000			74,061	36,734		110,796
8CRNMTS	Crane Timber Mats- 2	1.00	592.49 HR	30.153			15,952	1,914		17,866
8CRNRIG	Crane Rigging Equip	1.00	592.49 HR	30.000			14,812	2,962		17,775
8GEN1000	Generators 1000 KW	1.00	592.49 HR	35.000			11,850	8,887		20,737

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4390300</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam			Unit =	CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000		
8PMPDISEL	Disel Tank and Pump	1.00	592.49 HR	30.000			14,812	2,962		17,775
8SCAFFOLD	Scaffold	1.00	592.49 HR	14.000			7,110	1,185		8,295
8SCAFLD	Scaffold and Gangwa	1.00	592.49 HR	6.030			3,190	383		3,573
8TPU	Pickup Truck	1.00	592.49 HR	9.870			1,997	3,851		5,848
8WELDTRK	Weld Truck/ Marine	1.00	592.49 HR	55.000			29,625	2,962		32,587
8WLD500	Welder - 500 Amp Di	1.00	592.49 HR	13.810			776	7,406		8,182
CARP-A	Carpenter - Apprentic	1.00	592.49 MH	33.350	49,883					49,883
CARP-F	Carpenter - Foreman	1.00	592.49 MH	45.500	59,111					59,111
CARP-J	Carpenter - Journeym	1.00	592.49 MH	40.250	55,123					55,123
MECH-J	Mechanic - Master	1.00	592.49 MH	37.490	53,027					53,027
OP-CR1	Operator - Crane Med	2.00	1,184.98 MH	46.300	119,436					119,436
OP-OIL	Equip Oiler	1.00	592.49 MH	43.780	57,804					57,804
WELD-J	Welder - Journeyman	1.00	592.49 MH	43.400	57,516					57,516
\$810,216.65	0.0666 MH/SF	4,739.9200	MH	[ 2.803 ]	451,900		249,520	108,797		810,217
120.0019	Units/H	1,080.0170	Un/Shift	15.0000 Unit/M *	6.36		3.51	1.53		11.40

**10400 Place Rebar** **Quan: 71,098.72 LB** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBARL</u>	Rebar Land Crew		29.01	CH	<b>Prod: 174.9999 UM</b>	Lab Pcs: 14.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	29.02	HR	2.650		62	15	77
8CRN130T	Grove RT9120E	1.00	29.02	HR	50.400		1,306	157	1,463
8CRNM200T	Manitowoc 777 200T	1.00	29.02	HR	220.000		4,353	2,031	6,384
8CRNRIG	Crane Rigging Equip	1.00	29.02	HR	30.000		726	145	871
8GEN1000	Generators 1000 KW	1.00	29.02	HR	35.000		580	435	1,016
8TPU	Pickup Truck	1.00	29.02	HR	9.870		98	189	286
8TT&T50T	Lowbed Tractor/Trail	1.00	29.02	HR	132.170		2,060	1,776	3,836
8WELDTRK	Weld Truck/ Marine	1.00	29.02	HR	55.000		1,451	145	1,596
8WLD500	Welder - 500 Amp Di	2.00	58.04	HR	13.810		76	726	802
IRW-A	Iron Worker - Appren	2.00	58.04	MH	25.000	4,265			4,265



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4390300</b>			Land Item	SCHEDULE: 1	100					
Description = Top Cross Beam				Unit = CY	Takeoff Quan:	1,974.964	Engr Quan:		0.000	
IRW-F	Iron Worker - Forema	1.00	29.02 MH	36.900	2,575					2,575
IRW-LR	Iron Worker - Lather/	4.00	116.08 MH	33.900	9,855					9,855
MECH-J	Mechanic - Master	1.00	29.02 MH	37.490	2,597					2,597
OP-CR1	Operator - Crane Med	1.00	29.02 MH	46.300	2,925					2,925
OP-CR2	Operator - Crane Hea	1.00	29.02 MH	47.300	2,962					2,962
OP-OIL	Equip Oiler	1.00	29.02 MH	43.780	2,831					2,831
TEAM-2	Teamster - 2	1.00	29.02 MH	48.550	3,009					3,009
WELD-A	Welder - Apprentice	1.00	29.02 MH	37.400	2,594					2,594
WELD-J	Welder - Journeyman	1.00	29.02 MH	43.400	2,817					2,817
\$52,760.46	0.0057 MH/LB	406.2800	MH	[ 0.215 ]	36,431		10,712	5,618		52,760
2,450.8349	Units/H	22,057.5140	Un/Shift	174.9996 Unit/M *	0.51		0.15	0.08		0.74

**10500 Place Concrete** **Quan: 1,974.96 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONCL</u>	Concrete Place Land	98.74	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 12.00	Eqp Pcs: 15.00				
8AC1300	Air Compressor - 130	1.00	98.75 HR	131.450		4,740	8,241			12,981
8ADDSTM	Addon - Small Tool&	1.00	98.75 HR	2.650		212	49			262
8CNCBOOM	Concrete Pump Boom	1.00	98.75 HR	73.810		5,077	2,212			7,289
8CNCBUCK	Concrete Bucket	1.00	98.75 HR	2.270		145	79			224
8CNCCNV	Concrete Conveyer (5	1.00	98.75 HR	18.600		864	973			1,837
8CNCP	Concrete Pump - 250	1.00	98.75 HR	89.600		7,900	948			8,848
8CNCPE1	Concrete Place Equip	1.00	98.75 HR	44.800		3,950	474			4,424
8CNCPEQ2	Concrete Pumping Eq	1.00	98.75 HR	56.000		4,938	593			5,530
8CNCTMRI	Tremi Pipe	1.00	98.75 HR	45.000		3,456	988			4,444
8CNCWT	Concrete Work Tools	1.00	98.75 HR	4.310		426				426
8CRN130T	Grove RT9120E	1.00	98.75 HR	50.400		4,444	533			4,977
8CRNM100T	Manitowoc 11000 10	1.00	98.75 HR	150.000		9,875	4,938			14,813
8GEN1	GENSET 1000KW	1.00	98.75 HR	11.200		988	119			1,106
8PMPDISEL	Disel Tank and Pump	1.00	98.75 HR	30.000		2,469	494			2,963

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4390300</b>		Land Item		SCHEDULE: 1	100					
Description = Top Cross Beam		Unit =		CY	Takeoff Quan:	1,974.964	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	98.75 HR	9.870			333	642		975
CNC-A	Concrete Worker - Ap	3.00	296.24 MH	32.000	24,428					24,428
CNC-F	Concrete Worker - Fr	1.00	98.75 MH	36.000	8,649					8,649
CNC-J	Concrete Worker - Jo	3.00	296.24 MH	34.000	25,188					25,188
OP-2	Operator - Medium E	1.00	98.75 MH	43.500	9,599					9,599
OP-C	Operator - Concrete	1.00	98.75 MH	44.100	9,675					9,675
OP-CR1	Operator - Crane Med	1.00	98.75 MH	46.300	9,953					9,953
OP-OIL	Equip Oiler	2.00	197.50 MH	43.780	19,268					19,268
\$177,856.35	0.6000 MH/CY	1,184.9800	MH	[ 22.773 ]	106,760		49,815	21,281		177,856
20.0016	Units/H*	180.0146	Un/Shift	1.6667 Unit/M	54.06		25.22	10.78		90.06
<hr/>										
<b>10600</b>	<b>Finish / Cure Concrete</b>	<b>Quan: 1,974.96 CY</b>		<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>CURE</u>		98.74 CH		<b>Prod: 20.0000 UH</b>	Lab Pcs:	5.00	Eqp Pcs:	6.00	**Unreviewed	
8AC900	Air Compressor - 900	1.00	98.75 HR	88.850			3,456	5,318		8,774
8ADDSTM	Addon - Small Tool&	1.00	98.75 HR	2.650			212	49		262
8CNCCURE	Concrete Cure Equip	1.00	98.75 HR	80.000			6,419	1,481		7,900
8CNCWT	Concrete Work Tools	1.00	98.75 HR	4.310			426			426
8PMPDISEL	Disel Tank and Pump	1.00	98.75 HR	30.000			2,469	494		2,963
8TPU	Pickup Truck	1.00	98.75 HR	9.870			333	642		975
CONF-A	Conc Finisher - Appre	2.00	197.50 MH	30.450	15,894					15,894
CONF-F	Conc Finisher - Fore	1.00	98.75 MH	41.190	9,306					9,306
CONF-J	Conc Finisher - Journ	2.00	197.50 MH	36.700	17,476					17,476
\$63,974.23	0.2500 MH/CY	493.7500	MH	[ 8.775 ]	42,676		13,314	7,984		63,974
20.0016	Units/H*	180.0146	Un/Shift	3.9999 Unit/M	21.61		6.74	4.04		32.39
<hr/>										
<b>10700</b>	<b>Transport Materials for Activity</b>	<b>Quan: 1,974.96 CY</b>		<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>TRNSL</u>		65.83 CH		<b>Prod: 270.0000 US</b>	Lab Pcs:	8.00	Eqp Pcs:	6.00	**Unreviewed	
8ADDSTM	Addon - Small Tool&	1.00	65.83 HR	2.650			142	33		174

## DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit							
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Equipme	Operatio	Contract	Total
<hr/>											
<b>BID ITEM = 4390300</b>			Land Item	SCHEDULE: 1	100						
Description = Top Cross Beam				Unit = CY	Takeoff Quan:	1,974.964	Engr Quan:		0.000		
8CRN130T	Grove RT9120E	1.00	65.83 HR	50.400				2,962	355		3,318
8CRNGRDL	Gradall Support Lift	1.00	65.83 HR	74.000				3,818	1,053		4,871
8CRNM100T	Manitowoc 11000 10	1.00	65.83 HR	150.000				6,583	3,292		9,875
8TPU	Pickup Truck	1.00	65.83 HR	9.870				222	428		650
8TSTLTRS	Heavy Transport Lan	1.00	65.83 HR	150.000				6,583	3,292		9,875
DB-A	Dockbuilder - Appren	2.00	131.66 MH	17.840	8,467						8,467
DB-F	Dockbuilder - Forema	0.50	32.92 MH	47.610	3,373						3,373
DB-GF	Dockbuilder- General	0.50	32.92 MH	50.610	3,500						3,500
DB-R	Dockbuilder - Rigger	2.00	131.66 MH	45.610	13,154						13,154
OP-3	Operator - Heavy Equ	1.00	65.83 MH	45.670	6,582						6,582
OP-LHD	Operator - Load, Haul	1.00	65.83 MH	45.000	6,525						6,525
OP-OIL	Equip Oiler	1.00	65.83 MH	43.780	6,422						6,422
\$76,786.35	0.2666 MH/CY	526.6500	MH	[ 10.349 ]	48,024			20,310	8,453		76,786
30.0009	Units/H	270.0082	Un/Shift *	3.7500 Unit/M	24.32			10.28	4.28		38.88
<hr/>											
=====> Item Totals:		<b>4390300 - Top Cross Beam</b>									
\$1,622,226.61	4.3927 MH/CY	8,675.48	MH	[ 173.998 ]	800,023	298,708		357,826	165,669		<b>1,622,227</b>
821.396	1974.964 CY				405.08	151.25		181.18	83.88		821.40
<hr/>											
<hr/>											
<b>Total of Above Sub-Biditems</b>											
<hr/>											
=====> Item Totals:		<b>4390000 - Zone 7- P58 to P62</b>									
\$1,622,226.61	4.3927 MH/CY	8,675.48	MH	[ 173.998 ]	800,023	298,708		357,826	165,669		<b>1,622,227</b>
821.396	1974.964 CY				405.08	151.25		181.18	83.88		<b>821.40</b>

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4390300** Land Item SCHEDULE: 1 100  
Description = Top Cross Beam Unit = CY Takeoff Quan: 1,974.964 Engr Quan: 0.000

**Total of Above Sub-Biditems**

=====> Item Totals:	<b>4300000</b>	- Approach - Final Build Substructure - Cr								
\$15,783,171.01	4.6441 MH/CY	81,064.26 MH	[ 181.456 ]	7,419,478	2,725,696	3,844,579	1,793,418	15,783,171		
904.221	17455 CY			425.06	156.16	220.26	102.75	904.22		

**PARENT ITEM 4400000**  
Description = Approach - Final Build - Superstructure Unit = CY Takeoff Quan: 107,844.000 Engr Quan: 107,844.000

**Listing of Sub-Biditems of Parent Item 4400000:**

**PARENT ITEM 4410000**  
Description = Approach - Superstructure - Segments Unit = CY Takeoff Quan: 107,844.000 Engr Quan: 107,844.000

**Listing of Sub-Biditems of Parent Item 4410000:**

**PARENT ITEM 4420000**  
Description = Cast Segments Unit = CY Takeoff Quan: 107,844.000 Engr Quan: 107,844.000

**Listing of Sub-Biditems of Parent Item 4420000:**

**BID ITEM = 4420100** Land Item SCHEDULE: 1 100  
Description = Site Setup Unit = EA Takeoff Quan: 0.367 Engr Quan: 0.000

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4420100**  
Description = Site Setup

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 0.367 Engr Quan: 0.000

**10100 Furnish Materials** **Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**10200 Clear and Grub** **Quan: 27.00 ACRE Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

GRB	Clear and Grub Crew		486.00	CH	Prod: 0.5000 US	Lab Pcs: 13.00	Eqp Pcs: 14.00		
8ADDSTM	Addon - Small Tool&	1.00	486.00	HR	2.650		1,045	243	1,288
8CHNS	Chainsaws	4.00	1,944.00	HR	7.500		9,720	4,860	14,580
8CHP	Chipper - Trees / Brus	1.00	486.00	HR	75.000		24,300	12,150	36,450
8L963C	CAT 963C Track Loa	1.00	486.00	HR	92.250		31,590	13,244	44,834
8PMPDISEL	Disel Tank and Pump	1.00	486.00	HR	30.000		12,150	2,430	14,580
8TD18	Truck dump 18 CY tri	2.00	972.00	HR	22.350		13,132	8,592	21,724
8TF20		1.00	486.00	HR	20.150		8,938	855	9,793
8TMCH	Mechanic/Tool/Tende	1.00	486.00	HR	23.700		8,578	2,940	11,518
8TPU	Pickup Truck	2.00	972.00	HR	9.870		3,276	6,318	9,594
LAB-A	General Labor - Appr	2.00	972.00	MH	18.000	62,708			62,708
LAB-F	General Labor - Fore	1.00	486.00	MH	31.800	39,951			39,951
LAB-J	General Labor	4.00	1,944.00	MH	29.800	154,821			154,821
OP-2	Operator - Medium E	2.00	972.00	MH	43.500	94,481			94,481
OP-OIL	Equip Oiler	1.00	486.00	MH	43.780	47,415			47,415
TEAM-2	Teamster - 2	2.00	972.00	MH	48.550	100,773			100,773
WALKB	Walking Boss	1.00	486.00	MH	37.500	43,502			43,502
\$708,012.54	234.0000 MH/ACRE	6,318.0000	MH	[ 8142.84 ]	543,652		112,728	51,633	708,013
0.0556	Units/H	0.5000	Un/Shift *	0.0043	Unit/M	20,135.27	4,175.10	1,912.32	26,222.69

**10300 Plant** **Quan: 1.00 LS Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

4CASTP	Cast Plant Set up cost	1.00	LS	15,000,000.000				15,000,000	15,000,000
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**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Material	Constr	Equipme	Equipme	Sub- Contract	Total
<b>BID ITEM = 4420100</b>			Land Item	SCHEDULE: 1	100						
Description = Site Setup				Unit = EA	Takeoff Quan:	0.367	Engr Quan:		0.000		
<b>10400</b>	<b>Infrastructure Setup</b>			<b>Quan: 1.00 LS</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
4CASTI	Casting Yrd Infrastre		1.00 LS	10,000,000.000					10,000,000	10,000,000	
=====> Item Totals:		<b>4420100</b>	<b>- Site Setup</b>								
\$25,708,012.54	17,215.2588 MH/EA	6,318.00	MH	[ 599064.523 ]	543,652	112,728	51,633	25,000,000	<b>25,708,013</b>		
70,049,080.490	0.367 EA				1,481,341.14	307,159.95	140,688.39	68,119,891.01	70,049,080.49		
<b>BID ITEM = 4420200</b>			Land Item	SCHEDULE: 1	100						
Description = Cast Segments				Unit = CY	Takeoff Quan:	107,844.000	Engr Quan:		0.000		
<b>10100</b>	<b>Furnish Materials</b>			<b>Quan: 107,844.00 CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
2CONCRMX	Concrete - Ready Mix	107,844.00	CY	90.000	9,705,960				9,705,960		
2REBAR	Rebar	55,539,916.13	LB	0.500	27,769,958				27,769,958		
\$37,475,918.07				[ ]	37,475,918				37,475,918		
					347.50				347.50		
<b>10200</b>	<b>Form</b>			<b>Quan: 935.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>CAST-F</u>	Casting Yard Form Crew	1,402.50	CH	<b>Prod: 6.0000 US</b>	Lab Pcs:	9.00	Eqp Pcs:	7.00			
8AC600	Air Compressor - 600	1.00	1,402.50	HR	75.900		36,465	69,985		106,450	
8ADDSTM	Addon - Small Tool&	1.00	1,402.50	HR	2.650		3,015	701		3,717	
8CRNRTG	Rubber Tire Gantry 1	1.00	1,402.50	HR	225.000		210,375	105,188		315,563	
8FORM1	Form System-with acc	1.00	1,402.50	HR	84.000		105,188	12,623		117,810	
8FORM2	Form System-with acc	1.00	1,402.50	HR	39.200		49,088	5,891		54,978	
8PMPDISEL	Disel Tank and Pump	1.00	1,402.50	HR	30.000		35,063	7,013		42,075	

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4420200</b>			Land Item	SCHEDULE: 1	100					
Description = Cast Segments			Unit =	CY	Takeoff Quan:	107,844.000	Engr Quan:		0.000	
8SCAFFOLD	Scaffold	1.00	1,402.50 HR	14.000			16,830	2,805		19,635
CARP-A	Carpenter - Apprentic	1.00	1,402.50 MH	33.350	118,078					118,078
CARP-J	Carpenter - Journeym	2.00	2,805.00 MH	40.250	260,967					260,967
IRW-A	Iron Worker - Appren	1.00	1,402.50 MH	25.000	103,066					103,066
IRW-J	Iron Worker - Rigger	1.00	1,402.50 MH	33.900	119,067					119,067
OP-2	Operator - Medium E	1.00	1,402.50 MH	43.500	136,327					136,327
OP-OIL	Equip Oiler	1.00	1,402.50 MH	43.780	136,830					136,830
QA	Quality Assurance Ins	1.00	1,402.50 MH	50.000	148,013					148,013
WALKB	Walking Boss	1.00	1,402.50 MH	37.500	125,540					125,540
\$1,808,115.22	13.5000 MH/EA	12,622.5000	MH	[ 521.295 ]	1,147,888		456,023	204,204		1,808,115
0.6667	Units/H	6.0000	Un/Shift *	0.0741 Unit/M	1,227.69		487.72	218.40		1,933.81

**10300 Rebar** **Quan: 55,539,660.00 LB** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CAST-R</u>	Cast Yard - Rebar Crew		10,098.11	CH	<b>Prod: 500.0000 UM</b>	Lab Pcs: 11.00	Eqp Pcs: 6.00		
8AC900	Air Compressor - 900	1.00	10,098.12	HR	88.850		353,434	543,784	897,218
8ADDSTM	Addon - Small Tool&	1.00	10,098.12	HR	2.650		21,711	5,049	26,760
8CRN130T	Grove RT9120E	1.00	10,098.12	HR	50.400		454,415	54,530	508,945
8GEN2	GENSET 800KW	1.00	10,098.12	HR	8.960		80,785	9,694	90,479
8RBARG	Rebar Guide System	1.00	10,098.12	HR	6.720		60,589	7,271	67,859
8RBARJIG	Rebar Jig	1.00	10,098.12	HR	110.000		757,359	353,434	1,110,793
IRW-A	Iron Worker - Appren	1.00	10,098.12	MH	25.000	742,086			742,086
IRW-F	Iron Worker - Forema	1.00	10,098.12	MH	36.900	896,128			896,128
IRW-LR	Iron Worker - Lather/	6.00	60,588.72	MH	33.900	5,143,765			5,143,765
OP-CR1	Operator - Crane Med	1.00	10,098.12	MH	46.300	1,017,809			1,017,809
OP-OIL	Equip Oiler	1.00	10,098.12	MH	43.780	985,189			985,189
QA	Quality Assurance Ins	1.00	10,098.12	MH	50.000	1,065,705			1,065,705
\$12,552,736.87	0.0020 MH/LB	111,079.3200	MH	[ 0.074 ]	9,850,682		1,728,293	973,762	12,552,737
5,500.0054	Units/H	49,500.0490	Un/Shift	500.0000 Unit/M *	0.18		0.03	0.02	0.23

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4420200**

Description = Cast Segments

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 107,844.000 Engr Quan: 0.000

**10400 Concrete** **Quan: 107,844.00 CY Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CAST-C</u>	Casting Yard - Concrete Crew	13,480.49	CH	<b>Prod: 8.0000 UH</b>	Lab Pcs: 11.00	Eqp Pcs: 10.00			
8AC600	Air Compressor - 600	1.00 13,480.50	HR	75.900		350,493	672,677		1,023,170
8CNCBOOM	Concrete Pump Boom	1.00 13,480.50	HR	73.810		693,033	301,963		994,996
8CNCCNV	Concrete Conveyer (5	1.00 13,480.50	HR	18.600		117,954	132,783		250,737
8CNCP	Concrete Pump - 250	1.00 13,480.50	HR	89.600		1,078,440	129,413		1,207,853
8CNCPE1	Concrete Place Equip	1.00 13,480.50	HR	44.800		539,220	64,706		603,926
8CNCPEQ1	Concrete Pumping Eq	1.00 13,480.50	HR	26.500		269,610	87,623		357,233
8CNCWT	Concrete Work Tools	1.00 13,480.50	HR	4.310		58,101			58,101
8LIFTS32	Scissor Lift 32'	1.00 13,480.50	HR	29.700		200,185	200,185		400,371
8PMPDISEL	Disel Tank and Pump	1.00 13,480.50	HR	30.000		337,013	67,403		404,415
8TPU	Pickup Truck	1.00 13,480.50	HR	9.870		45,429	87,623		133,053
CNC-F	Concrete Worker - Fr	1.00 13,480.50	MH	36.000	1,180,735				1,180,735
CNC-J	Concrete Worker - Jo	1.00 13,480.50	MH	34.000	1,146,174				1,146,174
CNC-ST	Conc Seg - Technicia	1.00 13,480.50	MH	48.000	1,388,103				1,388,103
CONF-J	Conc Finisher - Journ	2.00 26,961.00	MH	36.700	2,385,664				2,385,664
CONF-N	Conc Finisher - Nozzl	1.00 13,480.50	MH	38.000	1,215,297				1,215,297
OP-2	Operator - Medium E	1.00 13,480.50	MH	43.500	1,310,340				1,310,340
OP-C	Operator - Concrete	1.00 13,480.50	MH	44.100	1,320,709				1,320,709
OP-OIL	Equip Oiler	1.00 13,480.50	MH	43.780	1,315,179				1,315,179
QA	Quality Assurance Ins	1.00 13,480.50	MH	50.000	1,422,665				1,422,665
WALKB	Walking Boss	1.00 13,480.50	MH	37.500	1,206,656				1,206,656
\$19,325,376.96	1.3750 MH/CY	148,285.5000	MH	[ 56.035 ]	13,891,522	3,689,478	1,744,377		19,325,377
8.0000	Units/H*	72.0001	Un/Shift	0.7273	Unit/M	128.81	34.21	16.17	179.20

**10500 Cure Concrete** **Quan: 107,844.00 CY Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CAST-S</u>	Cast Crew - Steam Cure	13,480.49	CH	<b>Prod: 8.0000 UH</b>	Lab Pcs: 5.00	Eqp Pcs: 3.00			
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**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4420200			Land Item	SCHEDULE: 1	100					
Description = Cast Segments				Unit =	CY	Takeoff Quan:	107,844.000	Engr Quan:	0.000	
8AC900	Air Compressor - 900	1.00	13,480.50	HR	88.850			471,818	725,925	1,197,742
8ADDSTM	Addon - Small Tool&	1.00	13,480.50	HR	2.650			28,983	6,740	35,723
8CNCSCURE	Staem Cure System	1.00	13,480.50	HR	500.000			4,718,175	2,022,075	6,740,250
CONF-F	Conc Finisher - Fore	1.00	13,480.50	MH	41.190	1,270,422				1,270,422
CONF-J	Conc Finisher - Journ	4.00	53,922.00	MH	36.700	4,771,328				4,771,328
\$14,015,465.30	0.6250 MH/CY	67,402.5000	MH	[ 23.499 ]	6,041,750		5,218,976	2,754,740		14,015,465
8.0000	Units/H*	72.0001	Un/Shift	1.6000 Unit/M	56.02		48.39	25.54		129.96
10600	Post Tension			Quan: 8,088.00	TON	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		
										**Unreviewed
CASTPT	Cast Yard Post Tension		808.80	CH	Prod: 10.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	3.00
8AC1600	Air Compressor - 160	1.00	808.80	HR	135.200			41,249	68,101	109,350
8ADDSTM	Addon - Small Tool&	1.00	808.80	HR	2.650			1,739	404	2,143
8STLPT	Post Tension Machine	1.00	808.80	HR	85.000			60,660	8,088	68,748
CNC-ST	Conc Seg - Technicia	1.00	808.80	MH	48.000	83,283				83,283
IRW-F	Iron Worker - Forema	1.00	808.80	MH	36.900	71,775				71,775
IRW-J	Iron Worker - Rigger	2.00	1,617.60	MH	33.900	137,328				137,328
OP-1	Operator - Light Equi	2.00	1,617.60	MH	42.400	154,954				154,954
QA	Quality Assurance Ins	1.00	808.80	MH	50.000	85,357				85,357
\$712,937.98	0.7000 MH/TON	5,661.6000	MH	[ 28.75 ]	532,697		103,648	76,593		712,938
10.0000	Units/H*	90.0000	Un/Shift	1.4286 Unit/M	65.86		12.82	9.47		88.15
10700	Transport to Storage			Quan: 1,066.00	EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		
										**Unreviewed
CAST-T	Casting Yard - Cell Transprt		213.20	CH	Prod: 5.0000	UH	Lab Pcs:	6.00	Eqp Pcs:	5.00
8ADDSTM	Addon - Small Tool&	1.00	213.20	HR	2.650			458	107	565
8CRNMJCK	Myjack	1.00	213.20	HR	109.000			16,843	6,396	23,239
8CRNRTGC	Rubber Tire Gantry C	1.00	213.20	HR	370.000			53,300	25,584	78,884
8PMPDISEL	Disel Tank and Pump	1.00	213.20	HR	30.000			5,330	1,066	6,396
8TCELLT	Precst Seg Handle 20	1.00	213.20	HR	198.000			31,980	10,234	42,214

## DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-
Resource							Material	Matl/Ex	Ownershi	Operatio	Contract
Total											
<hr/>											
BID ITEM = 4420200						Land Item	SCHEDULE:	1	100		
Description = Cast Segments						Unit =	CY	Takeoff	Quan:	107,844.000	Engr Quan: 0.000
CNC-ST	Conc Seg - Technicia	1.00	213.20	MH	48.000						21,953
OP-3	Operator - Heavy Equ	2.00	426.40	MH	45.670						42,633
OP-CR1	Operator - Crane Med	1.00	213.20	MH	46.300						21,489
OP-OIL	Equip Oiler	1.00	213.20	MH	43.780						20,800
WALKB	Walking Boss	1.00	213.20	MH	37.500						19,084
\$277,256.97	1.2000 MH/EA	1,279.2000	MH	[ 53.384 ]		125,960			107,911	43,386	277,257
5.0000	Units/H*	45.0000	Un/Shift	0.8333	Unit/M	118.16			101.23	40.70	260.09
10800	Transport to Barge				Quan: 1,066.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			**Unreviewed
C	CAST-T	Casting Yard - Cell Transprt	213.20	CH	Prod: 5.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	5.00		
8ADDSTM	Addon - Small Tool&	1.00	213.20	HR	2.650			458	107		565
8CRNMJCK	Myjack	1.00	213.20	HR	109.000			16,843	6,396		23,239
8CRNRTGC	Rubber Tire Gantry C	1.00	213.20	HR	370.000			53,300	25,584		78,884
8PMPDISEL	Disel Tank and Pump	1.00	213.20	HR	30.000			5,330	1,066		6,396
8TCELLT	Precst Seg Handle 20	1.00	213.20	HR	198.000			31,980	10,234		42,214
CNC-ST	Conc Seg - Technicia	1.00	213.20	MH	48.000						21,953
OP-3	Operator - Heavy Equ	2.00	426.40	MH	45.670						42,633
OP-CR1	Operator - Crane Med	1.00	213.20	MH	46.300						21,489
OP-OIL	Equip Oiler	1.00	213.20	MH	43.780						20,800
WALKB	Walking Boss	1.00	213.20	MH	37.500						19,084
\$277,256.97	1.2000 MH/EA	1,279.2000	MH	[ 53.384 ]		125,960			107,911	43,386	277,257
5.0000	Units/H*	45.0000	Un/Shift	0.8333	Unit/M	118.16			101.23	40.70	260.09
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=====> Item Totals: 4420200 - Cast Segments											
\$86,445,064.34	3.2232	MH/CY	347,609.82	MH	[ 125.223 ]	31,716,458	37,475,918	11,412,240	5,840,448		86,445,064
801.575	107844	CY				294.10	347.50	105.82	54.16		801.58

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4420200**

Description = Cast Segments

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 107,844.000 Engr Quan: 0.000

**Total of Above Sub-Biditems**

=====> Item Totals: 4420000 - Cast Segments

\$112,153,076.88	3.2818 MH/CY	353,927.82 MH	[ 127.262 ]	32,260,110	37,475,918	11,524,967	5,892,081	25,000,000	112,153,077
1,039.957	107844 CY			299.14	347.50	106.87	54.64	231.82	1,039.96

**Total of Above Sub-Biditems**

=====> Item Totals: 4410000 - Approach - Superstructure - Segments

\$112,153,076.88	3.2818 MH/CY	353,927.82 MH	[ 127.262 ]	32,260,110	37,475,918	11,524,967	5,892,081	25,000,000	112,153,077
1,039.957	107844 CY			299.14	347.50	106.87	54.64	231.82	1,039.96

**PARENT ITEM 4430000**

Description = Launching Gantry

Unit = EA Takeoff Quan: 0.735 Engr Quan: 0.735

**Listing of Sub-Biditems of Parent Item 4430000:**

**BID ITEM = 4430100**

Description = Site Setup

Land Item SCHEDULE: 1 100  
Unit = LS Takeoff Quan: 0.367 Engr Quan: 0.000

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4430100**  
Description = Site Setup

Land Item SCHEDULE: 1 100  
Unit = LS Takeoff Quan: 0.367 Engr Quan: 0.000

**10100 Furnish Materials** **Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**10200 Clear and Grub** **Quan: 5.00 ACRE Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

GRB	Clear and Grub Crew	90.00	CH	Prod: 0.5000 US	Lab Pcs: 13.00	Eqp Pcs: 14.00	
8ADDSTM	Addon - Small Tool&	1.00	90.00 HR	2.650		194	45
8CHNS	Chainsaws	4.00	360.00 HR	7.500		1,800	900
8CHP	Chipper - Trees / Brus	1.00	90.00 HR	75.000		4,500	2,250
8L963C	CAT 963C Track Loa	1.00	90.00 HR	92.250		5,850	2,453
8PMPDISEL	Disel Tank and Pump	1.00	90.00 HR	30.000		2,250	450
8TD18	Truck dump 18 CY tri	2.00	180.00 HR	22.350		2,432	1,591
8TF20		1.00	90.00 HR	20.150		1,655	158
8TMCH	Mechanic/Tool/Tende	1.00	90.00 HR	23.700		1,589	545
8TPU	Pickup Truck	2.00	180.00 HR	9.870		607	1,170
LAB-A	General Labor - Appr	2.00	180.00 MH	18.000	11,613		
LAB-F	General Labor - Fore	1.00	90.00 MH	31.800	7,398		
LAB-J	General Labor	4.00	360.00 MH	29.800	28,671		
OP-2	Operator - Medium E	2.00	180.00 MH	43.500	17,496		
OP-OIL	Equip Oiler	1.00	90.00 MH	43.780	8,781		
TEAM-2	Teamster - 2	2.00	180.00 MH	48.550	18,662		
WALKB	Walking Boss	1.00	90.00 MH	37.500	8,056		
\$131,113.43	234.0000 MH/ACRE	1,170.0000	MH	[ 8142.84 ]	100,676	20,876	9,562
0.0556	Units/H	0.5000	Un/Shift *	0.0043 Unit/M	20,135.27	4,175.10	1,912.32
							26,222.69

**10300 Site Setup** **Quan: 1.00 LS Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4430100</b>			Land Item	SCHEDULE: 1	100					
Description = Site Setup			Unit = LS	Takeoff Quan:	0.367	Engr Quan:		0.000		
<b>=====&gt; Item Totals: 4430100 - Site Setup</b>										
\$131,113.43	3,188.0108 MH/LS	1,170.00	MH	[ 110937.875 ]	100,676		20,876	9,562		<b>131,113</b>
357,257.302	0.367 LS				274,322.43		56,881.47	26,053.41		<b>357,257.30</b>
<hr/>										

<b>BID ITEM = 4430200</b>			Land Item	SCHEDULE: 1	100					
Description = Assemble Crane			Unit = EA	Takeoff Quan:	0.735	Engr Quan:		0.000		

**10100 Furnish Materials Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**10200 Meneauver Steel Quan: 2,000.00 TON Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STEEL2</u>	Steel Crew Land		18.00	CH	<b>Prod: 2.0000 S</b>	Lab Pcs: 10.00	Eqp Pcs: 9.00		
8AC900	Air Compressor - 900	1.00	18.00	HR	88.850		630	969	1,599
8ADDSTM	Addon - Small Tool&	1.00	18.00	HR	2.650		39	9	48
8CRNM200T	Manitowoc 777 200T	1.00	18.00	HR	220.000		2,700	1,260	3,960
8GEN1	GENSET 1000KW	1.00	18.00	HR	11.200		180	22	202
8LIFTS32	Scissor Lift 32'	1.00	18.00	HR	29.700		267	267	535
8STLBOL	Hydraulic Bolt Tools	1.00	18.00	HR	20.000		270	90	360
8WELDTRK	Weld Truck/ Marine	1.00	18.00	HR	55.000		900	90	990
8WLD500	Welder - 500 Amp Di	2.00	36.00	HR	13.810		47	450	497
IRW-B	Iron Worker - Bolter	2.00	36.00	MH	33.900	3,056			3,056
IRW-F	Iron Worker - Forema	1.00	18.00	MH	36.900	1,597			1,597
IRW-J	Iron Worker - Rigger	2.00	36.00	MH	33.900	3,056			3,056
MECH-J	Mechanic - Master	1.00	18.00	MH	37.490	1,611			1,611
OP-CR2	Operator - Crane Hea	1.00	18.00	MH	47.300	1,837			1,837

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4430200</b>			Land Item	SCHEDULE: 1	100					
Description = Assemble Crane			Unit = EA	Takeoff Quan:	0.735	Engr Quan:	0.000			
OP-OIL	Equip Oiler	1.00	18.00 MH	43.780	1,756					1,756
WELD-J	Welder - Journeyman	2.00	36.00 MH	43.400	3,495					3,495
\$24,599.34	0.0900 MH/TON	180.0000	MH	[ 3.491 ]	16,409		5,033	3,157		24,599
111.1111	Units/H	1,000.0000	Un/Shift	11.1111 Unit/M	8.20		2.52	1.58		12.30
<hr/>										
<b>10300</b>	<b>Assemble Steel</b>			<b>Quan: 2,000.00 TON</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
										**Unreviewed
<u>STEEL2</u>	Steel Crew Land		9.00 CH	<b>Prod: 1.0000 S</b>	Lab Pcs: 10.00	Eqp Pcs: 9.00				
8AC900	Air Compressor - 900	1.00	9.00 HR	88.850		315	485			800
8ADDSTM	Addon - Small Tool&	1.00	9.00 HR	2.650		19	5			24
8CRNM200T	Manitowoc 777 200T	1.00	9.00 HR	220.000		1,350	630			1,980
8GEN1	GENSET 1000KW	1.00	9.00 HR	11.200		90	11			101
8LIFTS32	Scissor Lift 32'	1.00	9.00 HR	29.700		134	134			267
8STLBOL	Hydraulic Bolt Tools	1.00	9.00 HR	20.000		135	45			180
8WELDTRK	Weld Truck/ Marine	1.00	9.00 HR	55.000		450	45			495
8WLD500	Welder - 500 Amp Di	2.00	18.00 HR	13.810		24	225			249
IRW-B	Iron Worker - Bolter	2.00	18.00 MH	33.900	1,528					1,528
IRW-F	Iron Worker - Forema	1.00	9.00 MH	36.900	799					799
IRW-J	Iron Worker - Rigger	2.00	18.00 MH	33.900	1,528					1,528
MECH-J	Mechanic - Master	1.00	9.00 MH	37.490	805					805
OP-CR2	Operator - Crane Hea	1.00	9.00 MH	47.300	919					919
OP-OIL	Equip Oiler	1.00	9.00 MH	43.780	878					878
WELD-J	Welder - Journeyman	2.00	18.00 MH	43.400	1,747					1,747
\$12,299.67	0.0450 MH/TON	90.0000	MH	[ 1.745 ]	8,204		2,517	1,579		12,300
222.2222	Units/H	2,000.0000	Un/Shift	22.2222 Unit/M	4.10		1.26	0.79		6.15
<hr/>										
<b>10400</b>	<b>Mechanical Install</b>			<b>Quan: 2,000.00 TON</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
										**Unreviewed
<u>STEEL2</u>	Steel Crew Land		9.00 CH	<b>Prod: 1.0000 S</b>	Lab Pcs: 10.00	Eqp Pcs: 9.00				
8AC900	Air Compressor - 900	1.00	9.00 HR	88.850		315	485			800

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 4430200</b>		Land Item		SCHEDULE: 1	100						
Description = Assemble Crane		Unit = EA		Takeoff Quan:	0.735	Engr Quan:		0.000			
8ADDSTM	Addon - Small Tool&	1.00	9.00 HR	2.650				19	5		24
8CRNM200T	Manitowoc 777 200T	1.00	9.00 HR	220.000				1,350	630		1,980
8GEN1	GENSET 1000KW	1.00	9.00 HR	11.200				90	11		101
8LIFTS32	Scissor Lift 32'	1.00	9.00 HR	29.700				134	134		267
8STLBOL	Hydraulic Bolt Tools	1.00	9.00 HR	20.000				135	45		180
8WELDTRK	Weld Truck/ Marine	1.00	9.00 HR	55.000				450	45		495
8WLD500	Welder - 500 Amp Di	2.00	18.00 HR	13.810				24	225		249
IRW-B	Iron Worker - Bolter	2.00	18.00 MH	33.900	1,528						1,528
IRW-F	Iron Worker - Forema	1.00	9.00 MH	36.900	799						799
IRW-J	Iron Worker - Rigger	2.00	18.00 MH	33.900	1,528						1,528
MECH-J	Mechanic - Master	1.00	9.00 MH	37.490	805						805
OP-CR2	Operator - Crane Hea	1.00	9.00 MH	47.300	919						919
OP-OIL	Equip Oiler	1.00	9.00 MH	43.780	878						878
WELD-J	Welder - Journeyman	2.00	18.00 MH	43.400	1,747						1,747
\$12,299.67	0.0450 MH/TON	90.0000	MH	[ 1.745 ]	8,204			2,517	1,579		12,300
222.2222	Units/H	2,000.0000	Un/Shift	22.2222 Unit/M	4.10			1.26	0.79		6.15

**10500 Transport** **Quan: 2.00 EA** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>TRNS2</u>	Material Transport Land		9.00 CH	<b>Prod: 1.0000 S</b>	Lab Pcs: 10.00	Eqp Pcs: 5.00	
8ADDSTM	Addon - Small Tool&	1.00	9.00 HR	2.650		19	5
8CRN130T	Grove RT9120E	1.00	9.00 HR	50.400		405	49
8CRNGRDL	Gradall Support Lift	1.00	9.00 HR	74.000		522	144
8TPU	Pickup Truck	1.00	9.00 HR	9.870		30	59
8STLTRS	Heavy Transport Lan	1.00	9.00 HR	150.000		900	450
IRW-B	Iron Worker - Bolter	3.00	27.00 MH	33.900	2,292		
IRW-F	Iron Worker - Forema	1.00	9.00 MH	36.900	799		
IRW-J	Iron Worker - Rigger	3.00	27.00 MH	33.900	2,292		
OP-3	Operator - Heavy Equ	1.00	9.00 MH	45.670	900		

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4430200</b>										
Description = Assemble Crane										
			Land Item	SCHEDULE: 1	100					
			Unit = EA	Takeoff Quan:	0.735	Engr Quan:	0.000			
OP-LHD	Operator - Load, Haul	1.00	9.00 MH	45.000	892					892
OP-OIL	Equip Oiler	1.00	9.00 MH	43.780	878					878
\$10,635.40	45.0000 MH/EA	90.0000	MH	[ 1686.375 ]	8,053		1,877	706		10,635
0.2222	Units/H	2.0000	Un/Shift	0.0222 Unit/M	4,026.56		938.34	352.80		5,317.70
<hr/>										
=====> Item Totals: 4430200 - Assemble Crane										
\$59,834.08	612.2448 MH/EA	450.00	MH	[ 23586.49 ]	40,871		11,943	7,020		59,834
81,406.912	0.735 EA				55,606.91		16,248.98	9,551.02		81,406.91
<hr/>										
<b>Total of Above Sub-Biditems</b>										
<hr/>										
=====> Item Totals: 4430000 - Launching Gantry										
\$190,947.51	2,204.0816 MH/EA	1,620.00	MH	[ 78979.959 ]	141,547		32,819	16,582		190,948
259,792.531	0.735 EA				192,581.51		44,651.02	22,560.00		259,792.53
<hr/>										
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**PARENT ITEM 4440000**

Description = Zone 4 through Zone 1

Unit = CY Takeoff Quan: 76,021.168 Engr Quan: 76,021.168

**Listing of Sub-Biditems of Parent Item 4440000:**

**BID ITEM = 4440200**

Description = Erect Gantry

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 0.735 Engr Quan: 0.000



**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	

**BID ITEM = 4440200**

Description = Erect Gantry

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 0.735 Engr Quan: 0.000

**10100 Furnish Materials Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**10200 Transport Quan: 2.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

TRNS	Material Transport Marine	18.00	CH	Prod: 1.0000 US	Lab Pcs: 13.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	18.00 HR	2.650		39	9
8BOATT1	Tug - 3000HP	2.00	36.00 HR	105.538		3,392	407
8BRGM1	MaterlBrg - 180'x54'x	2.00	36.00 HR	60.307		1,938	233
8BRGSPD	Mooring, Anchoring a	1.00	18.00 HR	35.000		450	180
8CRN130T	Grove RT9120E	1.00	18.00 HR	50.400		810	97
8CRNGRDL	Gradall Support Lift	1.00	18.00 HR	74.000		1,044	288
8CRNM200T	Manitowoc 777 200T	1.00	18.00 HR	220.000		2,700	1,260
8TPU	Pickup Truck	1.00	18.00 HR	9.870		61	117
DB-A	Dockbuilder - Appren	2.00	36.00 MH	17.840	2,315		
DB-F	Dockbuilder - Forema	0.50	9.00 MH	47.610	922		
DB-GF	Dockbuilder- General	0.50	9.00 MH	50.610	957		
DB-R	Dockbuilder - Rigger	2.00	36.00 MH	45.610	3,597		
LONG-1	Longshoreman - Deck	2.00	36.00 MH	40.000	3,338		
LONG-2	Longshoreman - Oper	2.00	36.00 MH	43.500	3,499		
OP-CR1	Operator - Crane Med	1.00	18.00 MH	46.300	1,814		
OP-CR2	Operator - Crane Hea	1.00	18.00 MH	47.300	1,837		
OP-OIL	Equip Oiler	2.00	36.00 MH	43.780	3,512		
\$34,816.77	117.0000 MH/EA	234.0000	MH	[ 4717.53 ]	21,792	10,434	2,591
0.1111	Units/H	1.0000	Un/Shift *	0.0085 Unit/M	10,895.89	5,217.06	1,295.44
							17,408.39

**10300 Erect Gantry Quan: 2.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 4440200**

Description = Erect Gantry

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 0.735 Engr Quan: 0.000

<u>GANT</u>	Gantry Setup Crew		18.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 12.00	Eqp Pcs: 11.00		
8AC900	Air Compressor - 900	1.00	18.00	HR	88.850		630	969	1,599
8CRN130T	Grove RT9120E	1.00	18.00	HR	50.400		810	97	907
8CRNGRDL	Gradall Support Lift	1.00	18.00	HR	74.000		1,044	288	1,332
8CRNM200T	Manitowoc 777 200T	1.00	18.00	HR	220.000		2,700	1,260	3,960
8CRNRIG	Crane Rigging Equip	1.00	18.00	HR	30.000		450	90	540
8GEN1000	Generators 1000 KW	1.00	18.00	HR	35.000		360	270	630
8LIFTS32	Scissor Lift 32'	1.00	18.00	HR	29.700		267	267	535
8TCELLT	Precst Seg Handle 20	1.00	18.00	HR	198.000		2,700	864	3,564
8TMCH	Mechanic/Tool/Tende	1.00	18.00	HR	23.700		318	109	427
8WELDTRK	Weld Truck/ Marine	1.00	18.00	HR	55.000		900	90	990
8WLD500	Welder - 500 Amp Di	1.00	18.00	HR	13.810		24	225	249
ELEC-J	Electricain - Journey	1.00	18.00	MH	40.000	1,669			1,669
IRW-B	Iron Worker - Bolter	2.00	36.00	MH	33.900	3,056			3,056
IRW-F	Iron Worker - Forema	1.00	18.00	MH	36.900	1,597			1,597
IRW-J	Iron Worker - Rigger	2.00	36.00	MH	33.900	3,056			3,056
MECH-J	Mechanic - Master	1.00	18.00	MH	37.490	1,611			1,611
OP-CR1	Operator - Crane Med	1.00	18.00	MH	46.300	1,814			1,814
OP-CR2	Operator - Crane Hea	1.00	18.00	MH	47.300	1,837			1,837
OP-OIL	Equip Oiler	1.00	18.00	MH	43.780	1,756			1,756
WELD-J	Welder - Journeyman	2.00	36.00	MH	43.400	3,495			3,495
\$34,624.41	108.0000 MH/EA	216.0000	MH	[ 4267.53 ]	19,892		10,203	4,530	34,624
0.1111	Units/H	1.0000	Un/Shift *	0.0093	Unit/M	9,946.07	5,101.29	2,264.85	17,312.21

**10400 Dismantle Gantry Quan: 2.00 EA Hrs/Shift: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>GANT</u>	Gantry Setup Crew		18.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 12.00	Eqp Pcs: 11.00		
8AC900	Air Compressor - 900	1.00	18.00	HR	88.850		630	969	1,599
8CRN130T	Grove RT9120E	1.00	18.00	HR	50.400		810	97	907

## DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Labor	Material	Matl/Ex	Ownershi	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost					Operatio	Contract		
<hr/>												
<b>BID ITEM = 4440200</b>			Land Item	SCHEDULE: 1	100							
Description = Erect Gantry			Unit =	EA	Takeoff	Quan:	0.735	Engr	Quan:	0.000		
8CRNGRDL	Gradall Support Lift	1.00	18.00 HR	74.000				1,044	288			1,332
8CRNM200T	Manitowoc 777 200T	1.00	18.00 HR	220.000				2,700	1,260			3,960
8CRNRIG	Crane Rigging Equip	1.00	18.00 HR	30.000				450	90			540
8GEN1000	Generators 1000 KW	1.00	18.00 HR	35.000				360	270			630
8LIFTS32	Scissor Lift 32'	1.00	18.00 HR	29.700				267	267			535
8TCELLT	Precst Seg Handle 20	1.00	18.00 HR	198.000				2,700	864			3,564
8TMCH	Mechanic/Tool/Tende	1.00	18.00 HR	23.700				318	109			427
8WELDTRK	Weld Truck/ Marine	1.00	18.00 HR	55.000				900	90			990
8WLD500	Welder - 500 Amp Di	1.00	18.00 HR	13.810				24	225			249
ELEC-J	Electricain - Journey	1.00	18.00 MH	40.000	1,669							1,669
IRW-B	Iron Worker - Bolter	2.00	36.00 MH	33.900	3,056							3,056
IRW-F	Iron Worker - Forema	1.00	18.00 MH	36.900	1,597							1,597
IRW-J	Iron Worker - Rigger	2.00	36.00 MH	33.900	3,056							3,056
MECH-J	Mechanic - Master	1.00	18.00 MH	37.490	1,611							1,611
OP-CR1	Operator - Crane Med	1.00	18.00 MH	46.300	1,814							1,814
OP-CR2	Operator - Crane Hea	1.00	18.00 MH	47.300	1,837							1,837
OP-OIL	Equip Oiler	1.00	18.00 MH	43.780	1,756							1,756
WELD-J	Welder - Journeyman	2.00	36.00 MH	43.400	3,495							3,495
\$34,624.41	108.0000 MH/EA	216.0000	MH	[ 4267.53 ]	19,892			10,203	4,530			34,624
0.1111	Units/H	1.0000	Un/Shift *	0.0093	Unit/M	9,946.07		5,101.29	2,264.85			17,312.21
<hr/>												
=====> Item Totals:		<b>4440200 - Erect Gantry</b>										
\$104,065.59	906.1224	MH/EA	666.00	MH	[ 36061.469 ]	61,576		30,839	11,650			<b>104,066</b>
141,585.837	0.735	EA				83,776.91		41,958.20	15,850.72			141,585.84

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4440300**

Description = Lift Segments - Zone 4 through Zone 1

Land Item

SCHEDULE: 1

100

Unit = EA

Takeoff Quan:

663.328

Engr Quan:

0.000

**10100 Transport Segments** **Quan: 659.00 EA** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TRNS</u>	Material Transport Marine	2,965.50	CH	<b>Prod: 2.0000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00			
8ADDSTM	Addon - Small Tool&	1.00	2,965.50 HR	2.650		6,376	1,483		7,859
8BOATT1	Tug - 3000HP	2.00	5,931.00 HR	105.538		558,883	67,066		625,949
8BRGM1	MaterlBrg - 180'x54'x	2.00	5,931.00 HR	60.307		319,362	38,323		357,685
8BRGSPD	Mooring, Anchoring a	1.00	2,965.50 HR	35.000		74,138	29,655		103,793
8CRN130T	Grove RT9120E	1.00	2,965.50 HR	50.400		133,448	16,014		149,461
8CRNGRDL	Gradall Support Lift	1.00	2,965.50 HR	74.000		171,999	47,448		219,447
8CRNM200T	Manitowoc 777 200T	1.00	2,965.50 HR	220.000		444,825	207,585		652,410
8TPU	Pickup Truck	1.00	2,965.50 HR	9.870		9,994	19,276		29,269
DB-A	Dockbuilder - Appren	2.00	5,931.00 MH	17.840	381,417				381,417
DB-F	Dockbuilder - Forema	0.50	1,482.75 MH	47.610	151,939				151,939
DB-GF	Dockbuilder- General	0.50	1,482.75 MH	50.610	157,641				157,641
DB-R	Dockbuilder - Rigger	2.00	5,931.00 MH	45.610	592,551				592,551
LONG-1	Longshoreman - Deck	2.00	5,931.00 MH	40.000	549,899				549,899
LONG-2	Longshoreman - Oper	2.00	5,931.00 MH	43.500	576,509				576,509
OP-CR1	Operator - Crane Med	1.00	2,965.50 MH	46.300	298,899				298,899
OP-CR2	Operator - Crane Hea	1.00	2,965.50 MH	47.300	302,700				302,700
OP-OIL	Equip Oiler	2.00	5,931.00 MH	43.780	578,638				578,638
\$5,736,065.58	58.5000 MH/EA	38,551.5000	MH	[ 2358.765 ]	3,590,193	1,719,023	426,849		5,736,066
0.2222	Units/H	2.0000	Un/Shift *	0.0171 Unit/M	5,447.94	2,608.53	647.72		8,704.20

**10200 Lift Segments** **Quan: 659.00 EA** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>SEG</u>	Segmental Crew Marine	2,965.50	CH	<b>Prod: 2.0000 US</b>	Lab Pcs: 6.00	Eqp Pcs: 8.00			
8AC900	Air Compressor - 900	1.00	2,965.50 HR	88.850		103,793	159,692		263,485
8ADDSTM	Addon - Small Tool&	1.00	2,965.50 HR	2.650		6,376	1,483		7,859

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4440300</b>		Land Item		SCHEDULE: 1	100					
Description = Lift Segments - Zone 4 through Zone 1				Unit = EA	Takeoff Quan:	663.328	Engr Quan:	0.000		
8CRNRIG	Crane Rigging Equip	1.00	2,965.50 HR	30.000			74,138	14,828		88,965
8CRNSLG	Launching Gantry Cra	1.00	2,965.50 HR	275.000			593,100	222,413		815,513
8GEN1000	Generators 1000 KW	1.00	2,965.50 HR	35.000			59,310	44,483		103,793
8LIFTS32	Scissor Lift 32'	1.00	2,965.50 HR	29.700			44,038	44,038		88,075
8SCAFFOLD	Scaffold	1.00	2,965.50 HR	14.000			35,586	5,931		41,517
8SCAFLD	Scaffold and Gangwa	1.00	2,965.50 HR	6.030			15,968	1,916		17,884
CNC-ST	Conc Seg - Technicia	2.00	5,931.00 MH	48.000	610,722					610,722
IRW-J	Iron Worker - Rigger	1.00	2,965.50 MH	33.900	251,760					251,760
MECH-J	Mechanic - Master	1.00	2,965.50 MH	37.490	265,408					265,408
OP-3	Operator - Heavy Equ	1.00	2,965.50 MH	45.670	296,504					296,504
OP-CR2	Operator - Crane Hea	1.00	2,965.50 MH	47.300	302,700					302,700
\$3,154,183.75	27.0000 MH/EA	17,793.0000	MH	[ 1171.62 ]	1,727,094		932,308	494,782		3,154,184
0.2222	Units/H	2.0000	Un/Shift *	0.0370 Unit/M	2,620.78		1,414.73	750.81		4,786.32

**10300 Temporary Post Tensioning** **Quan: 17,295.00 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>SEG</u>	Segmental Crew Marine		14.41	CH	<b>Prod: 200.0000 UM</b>	Lab Pcs:	6.00	Eqp Pcs:	8.00	
8AC900	Air Compressor - 900	1.00	14.41	HR	88.850			504	776	1,280
8ADDSTM	Addon - Small Tool&	1.00	14.41	HR	2.650			31	7	38
8CRNRIG	Crane Rigging Equip	1.00	14.41	HR	30.000			360	72	432
8CRNSLG	Launching Gantry Cra	1.00	14.41	HR	275.000			2,882	1,081	3,963
8GEN1000	Generators 1000 KW	1.00	14.41	HR	35.000			288	216	504
8LIFTS32	Scissor Lift 32'	1.00	14.41	HR	29.700			214	214	428
8SCAFFOLD	Scaffold	1.00	14.41	HR	14.000			173	29	202
8SCAFLD	Scaffold and Gangwa	1.00	14.41	HR	6.030			78	9	87
CNC-ST	Conc Seg - Technicia	2.00	28.83	MH	48.000	2,969				2,969
IRW-J	Iron Worker - Rigger	1.00	14.41	MH	33.900	1,223				1,223
MECH-J	Mechanic - Master	1.00	14.41	MH	37.490	1,290				1,290
OP-3	Operator - Heavy Equ	1.00	14.41	MH	45.670	1,441				1,441

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs							Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 4440300			Land Item	SCHEDULE: 1	100								
Description = Lift Segments - Zone 4 through Zone 1				Unit =	EA	Takeoff	Quan:	663.328	Engr	Quan:	0.000		
OP-CR2	Operator - Crane Hea	1.00	14.41 MH	47.300		1,471							1,471
\$15,327.83	0.0049 MH/LB	86.4700	MH	[ 0.217 ]		8,393			4,530	2,404			15,328
1,200.2082	Units/H	10,801.8737	Un/Shift	200.0116 Unit/M	*	0.49			0.26	0.14			0.89
10400	Glue Segments			Quan:	659.00 EA	Hrs/Shft:	9.00	Cal:	510	WC:	NYGEN		
SEG	Segmental Crew Marine		118.62 CH	Prod:	50.0000 US	Lab Pcs:	6.00	Eqp Pcs:	8.00				**Unreviewed
2SEGGLUE	Segment Epoxy		659.00 EA	100.000		65,900							65,900
8AC900	Air Compressor - 900	1.00	118.62 HR	88.850				4,152	6,388				10,539
8ADDSTM	Addon - Small Tool&	1.00	118.62 HR	2.650				255	59				314
8CRNRIG	Crane Rigging Equip	1.00	118.62 HR	30.000				2,966	593				3,559
8CRNSLG	Launching Gantry Cra	1.00	118.62 HR	275.000				23,724	8,897				32,621
8GEN1000	Generators 1000 KW	1.00	118.62 HR	35.000				2,372	1,779				4,152
8LIFTS32	Scissor Lift 32'	1.00	118.62 HR	29.700				1,762	1,762				3,523
8SCAFFOLD	Scaffold	1.00	118.62 HR	14.000				1,423	237				1,661
8SCAFLD	Scaffold and Gangwa	1.00	118.62 HR	6.030				639	77				715
CNC-ST	Conc Seg - Technicia	2.00	237.24 MH	48.000		24,429							24,429
IRW-J	Iron Worker - Rigger	1.00	118.62 MH	33.900		10,070							10,070
MECH-J	Mechanic - Master	1.00	118.62 MH	37.490		10,616							10,616
OP-3	Operator - Heavy Equ	1.00	118.62 MH	45.670		11,860							11,860
OP-CR2	Operator - Crane Hea	1.00	118.62 MH	47.300		12,108							12,108
\$192,067.31	1.0800 MH/EA	711.7200	MH	[ 46.865 ]		69,084	65,900	37,292	19,791				192,067
5.5556	Units/H	50.0000	Un/Shift *	0.9259 Unit/M		104.83	100.00	56.59	30.03				291.45
10500	Inspect Segments			Quan:	659.00 EA	Hrs/Shft:	9.00	Cal:	510	WC:	NYGEN		
INS	Inspection Crew - 1x		296.55 CH	Prod:	20.0000 US	Lab Pcs:	4.00	Eqp Pcs:	2.00				**Unreviewed
8ADDSTM	Addon - Small Tool&	1.00	296.55 HR	2.650				638	148				786
8WLDINS	Radiograph - Weld Q	1.00	296.55 HR	95.000				20,165	8,007				28,172
QA	Quality Assurance Ins	2.00	593.10 MH	50.000		62,593							62,593

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4440300</b>			Land Item	SCHEDULE: 1	100					
Description = Lift Segments - Zone 4 through Zone 1			Unit = EA	Takeoff Quan:	663.328	Engr Quan:	0.000			
QC	Quality Control Insp	2.00	593.10 MH	50.000	62,593					62,593
\$154,143.70	1.8000 MH/EA	1,186.2000	MH	[ 90 ]	125,186		20,803	8,155		154,144
2.2222	Units/H	20.0000	Un/Shift *	0.5556 Unit/M	189.96		31.57	12.37		233.91
<hr/>										
=====> Item Totals: 4440300 - Lift Segments - Zone 4 through Zone 1										
\$9,251,788.17	87.9337 MH/EA	58,328.89	MH	[ 3648.979 ]	5,519,950	65,900	2,713,956	951,982		<b>9,251,788</b>
13,947.531	663.328 EA				8,321.60	99.35	4,091.42	1,435.16		13,947.53
<hr/>										

<b>BID ITEM = 4440400</b>			Land Item	SCHEDULE: 1	100					
Description = Post Tension Segments			Unit = EA	Takeoff Quan:	663.328	Engr Quan:	0.000			
<b>10100</b>	<b>Furnish Material</b>			<b>Quan: 1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
2STEELPT	Steel Post Tension	3,000.00	TON	4,000.000	12,000,000					12,000,000
<b>10200</b>	<b>Transport</b>			<b>Quan: 6,000,000.00 LB</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>TRNS</u>	Material Transport Marine	540.00	CH	<b>Prod: 100,000,000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00				
8ADDSTM	Addon - Small Tool&	1.00	540.00 HR	2.650		1,161	270			1,431
8BOATT1	Tug - 3000HP	2.00	1,080.00 HR	105.538		101,769	12,212			113,982
8BRGM1	MaterlBrg - 180'x54'x	2.00	1,080.00 HR	60.307		58,154	6,978			65,132
8BRGSPD	Mooring, Anchoring a	1.00	540.00 HR	35.000		13,500	5,400			18,900
8CRN130T	Grove RT9120E	1.00	540.00 HR	50.400		24,300	2,916			27,216
8CRNGRDL	Gradall Support Lift	1.00	540.00 HR	74.000		31,320	8,640			39,960
8CRNM200T	Manitowoc 777 200T	1.00	540.00 HR	220.000		81,000	37,800			118,800
8TPU	Pickup Truck	1.00	540.00 HR	9.870		1,820	3,510			5,330
DB-A	Dockbuilder - Appren	2.00	1,080.00 MH	17.840	69,454					69,454

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 4440400**

Description = Post Tension Segments

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 663.328 Engr Quan: 0.000

DB-F	Dockbuilder - Forema	0.50	270.00 MH	47.610	27,667					27,667
DB-GF	Dockbuilder- General	0.50	270.00 MH	50.610	28,706					28,706
DB-R	Dockbuilder - Rigger	2.00	1,080.00 MH	45.610	107,900					107,900
LONG-1	Longshoreman - Deck	2.00	1,080.00 MH	40.000	100,133					100,133
LONG-2	Longshoreman - Oper	2.00	1,080.00 MH	43.500	104,979					104,979
OP-CR1	Operator - Crane Med	1.00	540.00 MH	46.300	54,428					54,428
OP-CR2	Operator - Crane Hea	1.00	540.00 MH	47.300	55,120					55,120
OP-OIL	Equip Oiler	2.00	1,080.00 MH	43.780	105,367					105,367
\$1,044,503.58	0.0011 MH/LB	7,020.0000	MH	[ 0.047 ]	653,753		313,024	77,727		1,044,504
11,111.1111	Units/H	100,000.0000	Un/Shift *	854.7009 Unit/M	0.11		0.05	0.01		0.17

**10300 Place Cables** **Quan: 6,000,000.00 LB** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>PTEN</u>	Post Tension Crew	1,080.00	CH	<b>Prod: 50,000.0000 US</b>	Lab Pcs: 8.00	Eqp Pcs: 7.00			
8AC900	Air Compressor - 900	1.00	1,080.00 HR	88.850		37,800	58,158		95,958
8ADDSTM	Addon - Small Tool&	1.00	1,080.00 HR	2.650		2,322	540		2,862
8SCAFFOLD	Scaffold	1.00	1,080.00 HR	14.000		12,960	2,160		15,120
8STLBOL	Hydraulic Bolt Tools	1.00	1,080.00 HR	20.000		16,200	5,400		21,600
8STLPT	Post Tension Machine	1.00	1,080.00 HR	85.000		81,000	10,800		91,800
8WELDTRK	Weld Truck/ Marine	1.00	1,080.00 HR	55.000		54,000	5,400		59,400
8WLD500	Welder - 500 Amp Di	1.00	1,080.00 HR	13.810		1,415	13,500		14,915
IRW-B	Iron Worker - Bolter	2.00	2,160.00 MH	33.900	183,376				183,376
IRW-F	Iron Worker - Forema	1.00	1,080.00 MH	36.900	95,841				95,841
IRW-J	Iron Worker - Rigger	2.00	2,160.00 MH	33.900	183,376				183,376
OP-2	Operator - Medium E	1.00	1,080.00 MH	43.500	104,979				104,979
OP-OIL	Equip Oiler	1.00	1,080.00 MH	43.780	105,367				105,367
WELD-J	Welder - Journeyman	1.00	1,080.00 MH	43.400	104,840				104,840
\$1,079,434.57	0.0014 MH/LB	8,640.0000	MH	[ 0.055 ]	777,780	205,697	95,958		1,079,435
5,555.5556	Units/H	50,000.0000	Un/Shift *	694.4444 Unit/M	0.13		0.03	0.02	0.18



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4440400**

Description = Post Tension Segments

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 663.328 Engr Quan: 0.000

**10400 Jack and Clamp Cables** **Quan: 6,000,000.00 LB Hrs/Shift: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>PTEN</u>	Post Tension Crew		1,080.00	CH	<b>Prod:</b> 50,000.0000 US	Lab Pcs: 8.00	Eqp Pcs: 7.00		
8AC900	Air Compressor - 900	1.00	1,080.00	HR	88.850		37,800	58,158	95,958
8ADDSTM	Addon - Small Tool&	1.00	1,080.00	HR	2.650		2,322	540	2,862
8SCAFFOLD	Scaffold	1.00	1,080.00	HR	14.000		12,960	2,160	15,120
8STLBOL	Hydraulic Bolt Tools	1.00	1,080.00	HR	20.000		16,200	5,400	21,600
8STLPT	Post Tension Machine	1.00	1,080.00	HR	85.000		81,000	10,800	91,800
8WELDTRK	Weld Truck/ Marine	1.00	1,080.00	HR	55.000		54,000	5,400	59,400
8WLD500	Welder - 500 Amp Di	1.00	1,080.00	HR	13.810		1,415	13,500	14,915
IRW-B	Iron Worker - Bolter	2.00	2,160.00	MH	33.900	183,376			183,376
IRW-F	Iron Worker - Forema	1.00	1,080.00	MH	36.900	95,841			95,841
IRW-J	Iron Worker - Rigger	2.00	2,160.00	MH	33.900	183,376			183,376
OP-2	Operator - Medium E	1.00	1,080.00	MH	43.500	104,979			104,979
OP-OIL	Equip Oiler	1.00	1,080.00	MH	43.780	105,367			105,367
WELD-J	Welder - Journeyman	1.00	1,080.00	MH	43.400	104,840			104,840
\$1,079,434.57	0.0014 MH/LB	8,640.0000	MH	[ 0.055 ]	777,780		205,697	95,958	1,079,435
5,555.5556	Units/H	50,000.0000	Un/Shift *	694.4444	Unit/M	0.13	0.03	0.02	0.18

=====> **Item Totals: 4440400 - Post Tension Segments**

\$15,203,372.72	36.6334 MH/EA	24,300.00	MH	[ 1413.962 ]	2,209,312	12,000,000	724,418	269,643	<b>15,203,373</b>
22,919.842	663.328 EA				3,330.65	18,090.60	1,092.10	406.50	22,919.84

**BID ITEM = 4440500**

Description = Closure Pour

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 947.611 Engr Quan: 0.000

**DIRECT COST REPORT**

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource								Material	Matl/Ex Ownershi	Operatio		Contract	
<hr/>													
<b>BID ITEM = 4440500</b>			Land Item	SCHEDULE:	1	100							
Description = Closure Pour			Unit =	CY	Takeoff	Quan:	947.611	Engr	Quan:	0.000			
<b>10100</b>	<b>Furnish Material</b>		<b>Quan:</b>	<b>1.00</b>	<b>EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>					
<i>There are no cost resources for this activity.</i>													**Unreviewed
<hr/>													
<b>10200</b>	<b>Form</b>		<b>Quan:</b>	<b>43.00</b>	<b>EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>					
													**Unreviewed
<u>FORM</u>	Form Crew Marine		0.40	CH	<b>Prod: 15.0009</b>	<b>UM</b>	Lab Pcs:	7.00	Eqp Pcs:	14.00			
8AC900	Air Compressor - 900	1.00	0.41	HR	88.850				14	22			36
8ADDSTM	Addon - Small Tool&	1.00	0.41	HR	2.650				1				1
8BRGCB1	Crane Barge 1-250'x	1.00	0.41	HR	150.000				49	12			62
8BRGSPD	Mooring, Anchoring a	1.00	0.41	HR	35.000				10	4			14
8CNCFORMS	Form Work System	1.00	0.41	HR	52.000				18	3			21
8CRN140T	Manitowoc 3900 W 1	1.00	0.41	HR	171.950				39	31			70
8CRNMTS	Crane Timber Mats- 2	1.00	0.41	HR	30.153				11	1			12
8CRNRIG	Crane Rigging Equip	1.00	0.41	HR	30.000				10	2			12
8GEN1000	Generators 1000 KW	1.00	0.41	HR	35.000				8	6			14
8PMPDISEL	Disel Tank and Pump	1.00	0.41	HR	30.000				10	2			12
8SCAFLD	Scaffold and Gangwa	1.00	0.41	HR	6.030				2				2
8TPU	Pickup Truck	1.00	0.41	HR	9.870				1	3			4
8WELDTRK	Weld Truck/ Marine	1.00	0.41	HR	55.000				21	2			23
8WLD500	Welder - 500 Amp Di	1.00	0.41	HR	13.810				1	5			6
CARP-A	Carpenter - Apprentic	1.00	0.41	MH	33.350		35						35
CARP-F	Carpenter - Foreman	1.00	0.41	MH	45.500		41						41
CARP-J	Carpenter - Journeym	1.00	0.41	MH	40.250		38						38
MECH-J	Mechanic - Master	1.00	0.41	MH	37.490		37						37
OP-CR1	Operator - Crane Med	1.00	0.41	MH	46.300		41						41
WALKB	Walking Boss	1.00	0.41	MH	37.500		37						37
WELD-J	Welder - Journeyman	1.00	0.41	MH	43.400		40						40
\$559.23	0.0667 MH/EA	2.8700	MH	[ 2.706 ]		268			197	95			559

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
<hr/>															
<b>BID ITEM = 4440500</b>				Land Item	SCHEDULE:	1	100								
Description = Closure Pour					Unit =	CY	Takeoff	Quan:	947.611	Engr	Quan:		0.000		
107.5000	Units/H	967.5001	Un/Shift	14.9826	Unit/M	*	6.23			4.57	2.20				13.01
<hr/>															
<b>10300</b>	<b>Place Raber</b>				<b>Quan:</b>	<b>12,900.00</b>	<b>LB</b>	<b>Hrs/Shft:</b>	<b>9.00</b>	<b>Cal:</b>	<b>510</b>	<b>WC:</b>	<b>NYGEN</b>		
															**Unreviewed
<u>REBAR</u>	Rebar Crew		4.51	CH	<b>Prod:</b>	<b>219.9995</b>	<b>UM</b>	Lab Pcs:	13.00	Eqp Pcs:	10.00				
8ADDSTM	Addon - Small Tool&	1.00	4.51	HR		2.650				10	2				12
8BRGCB2	Crane Barge 2-250'x	1.00	4.51	HR		169.730				609	157				765
8BRGSPD	Mooring, Anchoring a	1.00	4.51	HR		35.000				113	45				158
8CRNM200T	Manitowoc 777 200T	1.00	4.51	HR		220.000				677	316				992
8CRNRIG	Crane Rigging Equip	1.00	4.51	HR		30.000				113	23				135
8GEN1000	Generators 1000 KW	1.00	4.51	HR		35.000				90	68				158
8TPU	Pickup Truck	1.00	4.51	HR		9.870				15	29				45
8WELDTRK	Weld Truck/ Marine	1.00	4.51	HR		55.000				226	23				248
8WLD500	Welder - 500 Amp Di	2.00	9.02	HR		13.810				12	113				125
IRW-A	Iron Worker - Appren	2.00	9.02	MH		25.000		663							663
IRW-F	Iron Worker - Forema	1.00	4.51	MH		36.900		400							400
IRW-LR	Iron Worker - Lather/	4.00	18.04	MH		33.900		1,532							1,532
LONG-1	Longshoreman - Deck	1.00	4.51	MH		40.000		418							418
MECH-J	Mechanic - Master	1.00	4.51	MH		37.490		404							404
OP-CR2	Operator - Crane Hea	1.00	4.51	MH		47.300		460							460
OP-OIL	Equip Oiler	1.00	4.51	MH		43.780		440							440
WELD-A	Welder - Apprentice	1.00	4.51	MH		37.400		403							403
WELD-J	Welder - Journeyman	1.00	4.51	MH		43.400		438							438
\$7,795.35	0.0045 MH/LB	58.6300	MH		[ 0.165 ]		5,158			1,863	774				7,795
2,860.3104	Units/H	25,742.7938	Un/Shift	220.0239	Unit/M	*	0.40			0.14	0.06				0.60
<hr/>															
<b>10400</b>	<b>Place Concrete</b>				<b>Quan:</b>	<b>1,290.00</b>	<b>CY</b>	<b>Hrs/Shft:</b>	<b>9.00</b>	<b>Cal:</b>	<b>510</b>	<b>WC:</b>	<b>NYGEN</b>		
															**Unreviewed
<u>CONC</u>	Concrete Place Marine		64.50	CH	<b>Prod:</b>	<b>20.0000</b>	<b>UH</b>	Lab Pcs:	14.00	Eqp Pcs:	23.00				
8AC1300	Air Compressor - 130	1.00	64.50	HR		131.450				3,096	5,383				8,479

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4440500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit =		CY	Takeoff Quan:	947.611	Engr Quan:	0.000		
8ADDSTM	Addon - Small Tool&	1.00	64.50 HR	2.650			139	32		171
8BRGM1	MaterlBrg - 180'x54'x	1.00	64.50 HR	60.307			3,473	417		3,890
8BRGSS	Barge Spud System -	2.00	129.00 HR	11.200			1,290	155		1,445
8CNCBOOM	Concrete Pump Boom	1.00	64.50 HR	73.810			3,316	1,445		4,761
8CNCBUCK	Concrete Bucket	6.00	387.00 HR	2.270			569	310		878
8CNCCNV	Concrete Conveyer (5	1.00	64.50 HR	18.600			564	635		1,200
8CNCNP	Concrete Pump - 250	1.00	64.50 HR	89.600			5,160	619		5,779
8CNCPE1	Concrete Place Equip	1.00	64.50 HR	44.800			2,580	310		2,890
8CNCPEQ2	Concrete Pumping Eq	1.00	64.50 HR	56.000			3,225	387		3,612
8CNCTMRI	Tremi Pipe	1.00	64.50 HR	45.000			2,258	645		2,903
8CNCWT	Concrete Work Tools	1.00	64.50 HR	4.310			278			278
8CRN130T	Grove RT9120E	1.00	64.50 HR	50.400			2,903	348		3,251
8CRNM100T	Manitowoc 11000 10	1.00	64.50 HR	150.000			6,450	3,225		9,675
8GEN1	GENSET 1000KW	1.00	64.50 HR	11.200			645	77		722
8PMPDISEL	Disel Tank and Pump	1.00	64.50 HR	30.000			1,613	323		1,935
8TPU	Pickup Truck	1.00	64.50 HR	9.870			217	419		637
CNC-A	Concrete Worker - Ap	3.00	193.50 MH	32.000	15,956					15,956
CNC-F	Concrete Worker - Fr	1.00	64.50 MH	36.000	5,649					5,649
CNC-J	Concrete Worker - Jo	3.00	193.50 MH	34.000	16,452					16,452
LONG-1	Longshoreman - Deck	2.00	129.00 MH	40.000	11,960					11,960
OP-2	Operator - Medium E	1.00	64.50 MH	43.500	6,270					6,270
OP-C	Operator - Concrete	1.00	64.50 MH	44.100	6,319					6,319
OP-CR1	Operator - Crane Med	1.00	64.50 MH	46.300	6,501					6,501
OP-OIL	Equip Oiler	2.00	129.00 MH	43.780	12,585					12,585
\$134,197.61	0.7000 MH/CY	903.0000	MH	[ 26.773 ]	81,694		37,775	14,729		134,198
20.0000	Units/H*	180.0000	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03

**10500 Cure Concrete** **Quan: 1,290.00 CY** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Labor	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Material	Matl/Ex	Ownershi	Operatio	Contract	Total
<hr/>											
<b>BID ITEM = 4440500</b>			Land Item	SCHEDULE: 1	100						
Description = Closure Pour				Unit =	CY	Takeoff Quan:	947.611	Engr Quan:		0.000	
<u>CONC</u>	Concrete Place Marine		64.50	CH	<b>Prod: 20.0000</b>	UH	Lab Pcs: 14.00	Eqp Pcs: 23.00			
8AC1300	Air Compressor - 130	1.00	64.50	HR	131.450			3,096	5,383		8,479
8ADDSTM	Addon - Small Tool&	1.00	64.50	HR	2.650			139	32		171
8BRGM1	MaterlBrg - 180'x54'x	1.00	64.50	HR	60.307			3,473	417		3,890
8BRGSS	Barge Spud System -	2.00	129.00	HR	11.200			1,290	155		1,445
8CNCBOOM	Concrete Pump Boom	1.00	64.50	HR	73.810			3,316	1,445		4,761
8CNCBUCK	Concrete Bucket	6.00	387.00	HR	2.270			569	310		878
8CNCCNV	Concrete Conveyer (5	1.00	64.50	HR	18.600			564	635		1,200
8CNCP	Concrete Pump - 250	1.00	64.50	HR	89.600			5,160	619		5,779
8CNCPE1	Concrete Place Equip	1.00	64.50	HR	44.800			2,580	310		2,890
8CNCPEQ2	Concrete Pumping Eq	1.00	64.50	HR	56.000			3,225	387		3,612
8CNCTRMI	Tremi Pipe	1.00	64.50	HR	45.000			2,258	645		2,903
8CNCWT	Concrete Work Tools	1.00	64.50	HR	4.310			278			278
8CRN130T	Grove RT9120E	1.00	64.50	HR	50.400			2,903	348		3,251
8CRNM100T	Manitowoc 11000 10	1.00	64.50	HR	150.000			6,450	3,225		9,675
8GEN1	GENSET 1000KW	1.00	64.50	HR	11.200			645	77		722
8PMPDISEL	Disel Tank and Pump	1.00	64.50	HR	30.000			1,613	323		1,935
8TPU	Pickup Truck	1.00	64.50	HR	9.870			217	419		637
CNC-A	Concrete Worker - Ap	3.00	193.50	MH	32.000	15,956					15,956
CNC-F	Concrete Worker - Fr	1.00	64.50	MH	36.000	5,649					5,649
CNC-J	Concrete Worker - Jo	3.00	193.50	MH	34.000	16,452					16,452
LONG-1	Longshoreman - Deck	2.00	129.00	MH	40.000	11,960					11,960
OP-2	Operator - Medium E	1.00	64.50	MH	43.500	6,270					6,270
OP-C	Operator - Concrete	1.00	64.50	MH	44.100	6,319					6,319
OP-CR1	Operator - Crane Med	1.00	64.50	MH	46.300	6,501					6,501
OP-OIL	Equip Oiler	2.00	129.00	MH	43.780	12,585					12,585
\$134,197.61	0.7000 MH/CY	903.0000	MH	[ 26.773 ]		81,694		37,775	14,729		134,198
20.0000	Units/H*	180.0000	Un/Shift	1.4286	Unit/M	63.33		29.28	11.42		104.03

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 4440500</b>			Land Item	SCHEDULE: 1	100						
Description = Closure Pour				Unit =	CY	Takeoff Quan:	947.611	Engr Quan:		0.000	
<b>10600</b>	<b>Inspect Concrete</b>	<b>Quan: 1,290.00</b>		<b>CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>CURE</u>	Concrete Cure Crew		2,322.00	CH	<b>Prod: 5.0000</b>	US	Lab Pcs:	5.00	Eqp Pcs:	6.00	
8AC900	Air Compressor - 900	1.00	2,322.00	HR	88.850				81,270	125,040	206,310
8ADDSTM	Addon - Small Tool&	1.00	2,322.00	HR	2.650				4,992	1,161	6,153
8CNCCURE	Concrete Cure Equip	1.00	2,322.00	HR	80.000				150,930	34,830	185,760
8CNCWT	Concrete Work Tools	1.00	2,322.00	HR	4.310				10,008		10,008
8PMPDISEL	Disel Tank and Pump	1.00	2,322.00	HR	30.000				58,050	11,610	69,660
8TPU	Pickup Truck	1.00	2,322.00	HR	9.870				7,825	15,093	22,918
CONF-A	Conc Finisher - Appre	2.00	4,644.00	MH	30.450	373,721					373,721
CONF-F	Conc Finisher - Fore	1.00	2,322.00	MH	41.190	218,829					218,829
CONF-J	Conc Finisher - Journ	2.00	4,644.00	MH	36.700	410,928					410,928
\$1,504,285.95	9.0000 MH/CY	11,610.0000	MH	[ 315.882 ]	1,003,477			313,075	187,734		1,504,286
0.5556	Units/H	5.0000	Un/Shift *	0.1111	Unit/M	777.89		242.69	145.53		1,166.11
<b>10700</b>	<b>Transport Materials for Activity</b>	<b>Quan: 1,290.00</b>		<b>CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>TRNS</u>	Material Transport Marine		43.00	CH	<b>Prod: 270.0000</b>	US	Lab Pcs:	13.00	Eqp Pcs:	10.00	
8ADDSTM	Addon - Small Tool&	1.00	43.00	HR	2.650				92	22	114
8BOATT1	Tug - 3000HP	2.00	86.00	HR	105.538				8,104	972	9,076
8BRGM1	MaterlBrg - 180'x54'x	2.00	86.00	HR	60.307				4,631	556	5,186
8BRGSPD	Mooring, Anchoring a	1.00	43.00	HR	35.000				1,075	430	1,505
8CRN130T	Grove RT9120E	1.00	43.00	HR	50.400				1,935	232	2,167
8CRNGRDL	Gradall Support Lift	1.00	43.00	HR	74.000				2,494	688	3,182
8CRNM200T	Manitowoc 777 200T	1.00	43.00	HR	220.000				6,450	3,010	9,460
8TPU	Pickup Truck	1.00	43.00	HR	9.870				145	280	424
DB-A	Dockbuilder - Appren	2.00	86.00	MH	17.840	5,531					5,531
DB-F	Dockbuilder - Forema	0.50	21.50	MH	47.610	2,203					2,203
DB-GF	Dockbuilder- General	0.50	21.50	MH	50.610	2,286					2,286

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4440500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit =		CY	Takeoff Quan:	947.611	Engr Quan:	0.000		
DB-R	Dockbuilder - Rigger	2.00	86.00 MH	45.610	8,592					8,592
LONG-1	Longshoreman - Deck	2.00	86.00 MH	40.000	7,974					7,974
LONG-2	Longshoreman - Oper	2.00	86.00 MH	43.500	8,359					8,359
OP-CR1	Operator - Crane Med	1.00	43.00 MH	46.300	4,334					4,334
OP-CR2	Operator - Crane Hea	1.00	43.00 MH	47.300	4,389					4,389
OP-OIL	Equip Oiler	2.00	86.00 MH	43.780	8,390					8,390
\$83,173.40	0.4333 MH/CY	559.0000	MH	[ 17.472 ]	52,058		24,926	6,189		83,173
30.0000	Units/H	270.0000	Un/Shift *	2.3077 Unit/M	40.36		19.32	4.80		64.48
<hr/>										
<b>=====&gt; Item Totals: 4440500 - Closure Pour</b>										
\$1,864,209.15	14.8125 MH/CY	14,036.50	MH	[ 529.063 ]	1,224,348		415,611	224,251		<b>1,864,209</b>
1,967.273	947.611 CY				1,292.04		438.59	236.65		1,967.27
<hr/>										

BID ITEM = 4440600			Land Item	SCHEDULE: 1	100				
Description = Launch Gantry				Unit = EA	Takeoff Quan:	31.587	Engr Quan:	0.000	
10100	Reposition Gantry			Quan:	43.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN	
LNCH	Gantry Launch Crew - 1x		387.00	CH	Prod: 1.0000 US	Lab Pcs:	4.50	Eqp Pcs:	1.00
8ADDSTM	Addon - Small Tool&	1.00	387.00	HR	2.650			832	194
IRW-B	Iron Worker - Bolter	1.00	387.00	MH	33.900	32,855			1,026
MECH-J	Mechanic - Master	1.00	387.00	MH	37.490	34,636			32,855
OP-3	Operator - Heavy Equ	1.00	387.00	MH	45.670	38,694			34,636
OP-OIL	Equip Oiler	1.00	387.00	MH	43.780	37,756			38,694
WALKB	Walking Boss	0.50	193.50	MH	37.500	17,320			37,756
\$162,287.07	40.5000 MH/EA	1,741.5000	MH	[ 1616.31 ]	161,262		832	194	17,320
0.1111	Units/H	1.0000	Un/Shift *	0.0247	Unit/M	3,750.27	19.35	4.50	162,287

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**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4440600**

Description = Launch Gantry

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 31.587 Engr Quan: 0.000

=====> Item Totals: **4440600 - Launch Gantry**

\$162,287.07	55.1334 MH/EA	1,741.50 MH	[ 2200.314 ]	161,262	832	194	<b>162,287</b>
5,137.780	31.587 EA			5,105.31	26.34	6.13	5,137.78

**Total of Above Sub-Biditems**

=====> Item Totals: **4440000 - Zone 4 through Zone 1**

\$26,585,722.70	1.3032 MH/CY	99,072.89 MH	[ 52.035 ]	9,176,447	12,065,900	3,885,656	1,457,720	<b>26,585,723</b>
349.715	76021.168 CY			120.71	158.72	51.11	19.18	349.71

**PARENT ITEM 4450000**

Description = Zone 6 through Zone 7

Unit = CY Takeoff Quan: 31,822.464 Engr Quan: 31,822.464

**Listing of Sub-Biditems of Parent Item 4450000:**

**BID ITEM = 4450300**

Description = Lift Segments - Zone 6 through Zone 7

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 277.672 Engr Quan: 0.000

**10100 Transport Segments Quan: 277.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

<u>TRNS</u>	Material Transport Marine	1,246.50 CH	<b>Prod: 2.0000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00 1,246.50 HR	2.650		2,680 623	3,303

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**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450300</b>		Land Item		SCHEDULE: 1	100					
Description = Lift Segments - Zone 6 through Zone 7		Unit =		EA	Takeoff Quan:	277.672	Engr Quan:	0.000		
8BOATT1	Tug - 3000HP	2.00	2,493.00 HR	105.538			234,917	28,190		263,107
8BRGM1	MaterlBrg - 180'x54'x	2.00	2,493.00 HR	60.307			134,239	16,109		150,347
8BRGSPD	Mooring, Anchoring a	1.00	1,246.50 HR	35.000			31,163	12,465		43,628
8CRN130T	Grove RT9120E	1.00	1,246.50 HR	50.400			56,093	6,731		62,824
8CRNGRDL	Gradall Support Lift	1.00	1,246.50 HR	74.000			72,297	19,944		92,241
8CRNM200T	Manitowoc 777 200T	1.00	1,246.50 HR	220.000			186,975	87,255		274,230
8TPU	Pickup Truck	1.00	1,246.50 HR	9.870			4,201	8,102		12,303
DB-A	Dockbuilder - Appren	2.00	2,493.00 MH	17.840	160,323					160,323
DB-F	Dockbuilder - Forema	0.50	623.25 MH	47.610	63,865					63,865
DB-GF	Dockbuilder- General	0.50	623.25 MH	50.610	66,262					66,262
DB-R	Dockbuilder - Rigger	2.00	2,493.00 MH	45.610	249,069					249,069
LONG-1	Longshoreman - Deck	2.00	2,493.00 MH	40.000	231,141					231,141
LONG-2	Longshoreman - Oper	2.00	2,493.00 MH	43.500	242,326					242,326
OP-CR1	Operator - Crane Med	1.00	1,246.50 MH	46.300	125,637					125,637
OP-CR2	Operator - Crane Hea	1.00	1,246.50 MH	47.300	127,235					127,235
OP-OIL	Equip Oiler	2.00	2,493.00 MH	43.780	243,221					243,221
\$2,411,062.45	58.5000 MH/EA	16,204.5000	MH	[ 2358.765 ]	1,509,080		722,564	179,419		2,411,062
0.2222	Units/H	2.0000	Un/Shift *	0.0171 Unit/M	5,447.94		2,608.53	647.72		8,704.20

**10200 Lift Segments Quan: 277.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

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<u>SEG</u>	Segmental Crew Marine	1,246.50	CH	<b>Prod: 2.0000 US</b>	Lab Pcs: 6.00	Eqp Pcs: 8.00				
8AC900	Air Compressor - 900	1.00	1,246.50 HR	88.850		43,628	67,124			110,752
8ADDSTM	Addon - Small Tool&	1.00	1,246.50 HR	2.650		2,680	623			3,303
8CRNRIG	Crane Rigging Equip	1.00	1,246.50 HR	30.000		31,163	6,233			37,395
8CRNSLG	Launching Gantry Cra	1.00	1,246.50 HR	275.000		249,300	93,488			342,788
8GEN1000	Generators 1000 KW	1.00	1,246.50 HR	35.000		24,930	18,698			43,628
8LIFTS32	Scissor Lift 32'	1.00	1,246.50 HR	29.700		18,511	18,511			37,021
8SCAFFOLD	Scaffold	1.00	1,246.50 HR	14.000		14,958	2,493			17,451

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450300</b>		Land Item		SCHEDULE: 1	100					
Description = Lift Segments - Zone 6 through Zone 7		Unit = EA		Takeoff Quan:	277.672	Engr Quan:	0.000			
8SCAFLD	Scaffold and Gangwa	1.00	1,246.50 HR	6.030			6,712	805		7,517
CNC-ST	Conc Seg - Technicia	2.00	2,493.00 MH	48.000	256,707					256,707
IRW-J	Iron Worker - Rigger	1.00	1,246.50 MH	33.900	105,823					105,823
MECH-J	Mechanic - Master	1.00	1,246.50 MH	37.490	111,560					111,560
OP-3	Operator - Heavy Equ	1.00	1,246.50 MH	45.670	124,631					124,631
OP-CR2	Operator - Crane Hea	1.00	1,246.50 MH	47.300	127,235					127,235
\$1,325,810.14	27.0000 MH/EA	7,479.0000	MH	[ 1171.62 ]	725,956		391,880	207,974		1,325,810
0.2222	Units/H	2.0000	Un/Shift *	0.0370 Unit/M	2,620.78		1,414.73	750.81		4,786.32
<hr/>										
<b>10300</b>	<b>Temporary Post Tensioning</b>	<b>Quan: 6,719.26 LB</b>		<b>Hrs/Shift: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>SEG</u>	Segmental Crew Marine	5.59	CH	<b>Prod: 199.9994 UM</b>	Lab Pcs:	6.00	Eqp Pcs:	8.00		
8AC900	Air Compressor - 900	1.00	5.60 HR	88.850			196	302		498
8ADDSTM	Addon - Small Tool&	1.00	5.60 HR	2.650			12	3		15
8CRNRIG	Crane Rigging Equip	1.00	5.60 HR	30.000			140	28		168
8CRNSLG	Launching Gantry Cra	1.00	5.60 HR	275.000			1,120	420		1,540
8GEN1000	Generators 1000 KW	1.00	5.60 HR	35.000			112	84		196
8LIFTS32	Scissor Lift 32'	1.00	5.60 HR	29.700			83	83		166
8SCAFFOLD	Scaffold	1.00	5.60 HR	14.000			67	11		78
8SCAFLD	Scaffold and Gangwa	1.00	5.60 HR	6.030			30	4		34
CNC-ST	Conc Seg - Technicia	2.00	11.20 MH	48.000	1,153					1,153
IRW-J	Iron Worker - Rigger	1.00	5.60 MH	33.900	475					475
MECH-J	Mechanic - Master	1.00	5.60 MH	37.490	501					501
OP-3	Operator - Heavy Equ	1.00	5.60 MH	45.670	560					560
OP-CR2	Operator - Crane Hea	1.00	5.60 MH	47.300	572					572
\$5,956.27	0.0050 MH/LB	33.6000	MH	[ 0.217 ]	3,261		1,761	934		5,956
1.202.0143	Units/H	10,818.1288	Un/Shift	199.9780 Unit/M *	0.49		0.26	0.14		0.89

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4450300		Land Item		SCHEDULE: 1	100					
Description = Lift Segments - Zone 6 through Zone 7				Unit = EA	Takeoff Quan:	277.672	Engr Quan:	0.000		
10400	Glue Segments			Quan: 277.00 EA	Hrs/Shft: 9.00	Cal: 510		WC:NYGEN		
										**Unreviewed
SEG	Segmental Crew Marine	49.86	CH	Prod: 50.0000 US	Lab Pcs:	6.00	Eqp Pcs:	8.00		
2SEGGLUE	Segment Epoxy	277.00	EA	100.000	27,700					27,700
8AC900	Air Compressor - 900	1.00	49.86 HR	88.850			1,745	2,685	4,430	
8ADDSTM	Addon - Small Tool&	1.00	49.86 HR	2.650			107	25	132	
8CRNRIG	Crane Rigging Equip	1.00	49.86 HR	30.000			1,247	249	1,496	
8CRNSLG	Launching Gantry Cra	1.00	49.86 HR	275.000			9,972	3,740	13,712	
8GEN1000	Generators 1000 KW	1.00	49.86 HR	35.000			997	748	1,745	
8LIFTS32	Scissor Lift 32'	1.00	49.86 HR	29.700			740	740	1,481	
8SCAFFOLD	Scaffold	1.00	49.86 HR	14.000			598	100	698	
8SCAFLD	Scaffold and Gangwa	1.00	49.86 HR	6.030			268	32	301	
CNC-ST	Conc Seg - Technicia	2.00	99.72 MH	48.000	10,268					10,268
IRW-J	Iron Worker - Rigger	1.00	49.86 MH	33.900	4,233					4,233
MECH-J	Mechanic - Master	1.00	49.86 MH	37.490	4,462					4,462
OP-3	Operator - Heavy Equ	1.00	49.86 MH	45.670	4,985					4,985
OP-CR2	Operator - Crane Hea	1.00	49.86 MH	47.300	5,089					5,089
\$80,732.40	1.0800 MH/EA	299.1600	MH	[ 46.865 ]	29,038	27,700	15,675	8,319	80,732	
5.5556	Units/H	50.0000	Un/Shift *	0.9259 Unit/M	104.83	100.00	56.59	30.03	291.45	
10500	Inspect Segments			Quan: 277.00 EA	Hrs/Shft: 9.00	Cal: 510		WC:NYGEN		
										**Unreviewed
INS	Inspection Crew - 1x	124.65	CH	Prod: 20.0000 US	Lab Pcs:	4.00	Eqp Pcs:	2.00		
8ADDSTM	Addon - Small Tool&	1.00	124.65 HR	2.650			268	62	330	
8WLDINS	Radiograph - Weld Q	1.00	124.65 HR	95.000			8,476	3,366	11,842	
QA	Quality Assurance Ins	2.00	249.30 MH	50.000	26,310					26,310
QC	Quality Control Insp	2.00	249.30 MH	50.000	26,310					26,310
\$64,791.80	1.8000 MH/EA	498.6000	MH	[ 90 ]	52,620			8,744	3,428	64,792
2.2222	Units/H	20.0000	Un/Shift *	0.5556 Unit/M	189.96			31.57	12.37	233.91

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**DIRECT COST REPORT**

Activity	Description	Pcs	Quantity	Unit	Unit		Labor	Material	Constr	Equipme	Equipme	Sub-	
Resource					Cost				Matl/Ex Ownershi	Operatio		Contract	Total
<hr/>													
<b>BID ITEM = 4450300</b>			Land Item	SCHEDULE: 1	100								
Description = Lift Segments - Zone 6 through Zone 7			Unit =	EA	Takeoff Quan:	277.672	Engr Quan:				0.000		
<hr/>													
<b>10600</b>	<b>Transport Materials for Activity</b>		<b>Quan: 277.00</b>	<b>EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>						
													**Unreviewed
<u>TRNS</u>	Material Transport Marine	3.29	CH	<b>Prod: 0.3664 S</b>		Lab Pcs: 13.00	Eqp Pcs: 10.00						
8ADDSTM	Addon - Small Tool&	1.00	3.30	HR	2.650		7	2					9
8BOATT1	Tug - 3000HP	2.00	6.60	HR	105.538		622	75					697
8BRGM1	MaterlBrg - 180'x54'x	2.00	6.60	HR	60.307		355	43					398
8BRGSPD	Mooring, Anchoring a	1.00	3.30	HR	35.000		83	33					116
8CRN130T	Grove RT9120E	1.00	3.30	HR	50.400		149	18					166
8CRNGRDL	Gradall Support Lift	1.00	3.30	HR	74.000		191	53					244
8CRNM200T	Manitowoc 777 200T	1.00	3.30	HR	220.000		495	231					726
8TPU	Pickup Truck	1.00	3.30	HR	9.870		11	21					33
DB-A	Dockbuilder - Appren	2.00	6.60	MH	17.840	424							424
DB-F	Dockbuilder - Forema	0.50	1.65	MH	47.610	169							169
DB-GF	Dockbuilder- General	0.50	1.65	MH	50.610	175							175
DB-R	Dockbuilder - Rigger	2.00	6.60	MH	45.610	659							659
LONG-1	Longshoreman - Deck	2.00	6.60	MH	40.000	612							612
LONG-2	Longshoreman - Oper	2.00	6.60	MH	43.500	642							642
OP-CR1	Operator - Crane Med	1.00	3.30	MH	46.300	333							333
OP-CR2	Operator - Crane Hea	1.00	3.30	MH	47.300	337							337
OP-OIL	Equip Oiler	2.00	6.60	MH	43.780	644							644
\$6,383.05	0.1548 MH/EA	42.9000	MH	[ 6.245 ]		3,995	1,913	475					6,383
84.1945	Units/H	757.7508	Un/Shift	6.4569	Unit/M	14.42		6.91	1.71				23.04
<hr/>													
=====> <b>Item Totals: 4450300 - Lift Segments - Zone 6 through Zone 7</b>													
\$3,894,736.11	88.4416 MH/EA	24,557.76	MH	[ 3669.855 ]		2,323,950	27,700	1,142,537	400,549				<b>3,894,736</b>
14,026.391	277.672 EA					8,369.41	99.76	4,114.70	1,442.53				14,026.39
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\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs						Matl/Ex	Ownershi	Operatio	Contract	
<hr/>												
<b>BID ITEM = 4450400</b>			Land Item	SCHEDULE: 1	100							
Description = Post Tension Segments			Unit = EA	Takeoff	Quan: 277.672	Engr	Quan: 0.000					
<b>10100</b>	<b>Furnish Material</b>	<b>Quan: 1.00</b>	<b>EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>						
												**Unreviewed
2STEELPT	Steel Post Tension	1,000.00	TON	4,000.000	4,000,000							
<b>10200</b>	<b>Transport</b>	<b>Quan: 1,844,140.00</b>	<b>LB</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>						
												**Unreviewed
<u>TRNS</u>	Material Transport Marine	165.97	CH	<b>Prod: 100,000.0000</b>	<b>US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00					
8ADDSTM	Addon - Small Tool&	1.00	165.97 HR	2.650			357	83	440			
8BOATT1	Tug - 3000HP	2.00	331.95 HR	105.538			31,280	3,754	35,034			
8BRGM1	MaterlBrg - 180'x54'x	2.00	331.95 HR	60.307			17,874	2,145	20,019			
8BRGSPD	Mooring, Anchoring a	1.00	165.97 HR	35.000			4,149	1,660	5,809			
8CRN130T	Grove RT9120E	1.00	165.97 HR	50.400			7,469	896	8,365			
8CRNGRDL	Gradall Support Lift	1.00	165.97 HR	74.000			9,626	2,656	12,282			
8CRNM200T	Manitowoc 777 200T	1.00	165.97 HR	220.000			24,896	11,618	36,513			
8TPU	Pickup Truck	1.00	165.97 HR	9.870			559	1,079	1,638			
DB-A	Dockbuilder - Appren	2.00	331.95 MH	17.840		21,347	21,347					
DB-F	Dockbuilder - Forema	0.50	82.99 MH	47.610		8,504	8,504					
DB-GF	Dockbuilder- General	0.50	82.99 MH	50.610		8,823	8,823					
DB-R	Dockbuilder - Rigger	2.00	331.95 MH	45.610		33,164	33,164					
LONG-1	Longshoreman - Deck	2.00	331.95 MH	40.000		30,777	30,777					
LONG-2	Longshoreman - Oper	2.00	331.95 MH	43.500		32,266	32,266					
OP-CR1	Operator - Crane Med	1.00	165.97 MH	46.300		16,728	16,728					
OP-CR2	Operator - Crane Hea	1.00	165.97 MH	47.300		16,941	16,941					
OP-OIL	Equip Oiler	2.00	331.95 MH	43.780		32,386	32,386					
\$321,037.31	0.0011 MH/LB	2,157.6700	MH	[ 0.047 ]	200,938	96,210	23,890	321,037				
11,111.2852	Units/H	100,001.5666	Un/Shift *	854.6935	Unit/M	0.11	0.05	0.01	0.17			

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 4450400**

Description = Post Tension Segments

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 277.672 Engr Quan: 0.000

**10300 Place Cables** **Quan: 1,844,140.00 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>PTEN</u>	Post Tension Crew		331.94	CH	<b>Prod:</b> 50,000.0000 US	Lab Pcs:	8.00	Eqp Pcs:	7.00	
8AC900	Air Compressor - 900	1.00	331.95	HR	88.850			11,618	17,876	29,494
8ADDSTM	Addon - Small Tool&	1.00	331.95	HR	2.650			714	166	880
8SCAFFOLD	Scaffold	1.00	331.95	HR	14.000			3,983	664	4,647
8STLBOL	Hydraulic Bolt Tools	1.00	331.95	HR	20.000			4,979	1,660	6,639
8STLPT	Post Tension Machine	1.00	331.95	HR	85.000			24,896	3,320	28,216
8WELDTRK	Weld Truck/ Marine	1.00	331.95	HR	55.000			16,598	1,660	18,257
8WLD500	Welder - 500 Amp Di	1.00	331.95	HR	13.810			435	4,149	4,584
IRW-B	Iron Worker - Bolter	2.00	663.89	MH	33.900	56,362				56,362
IRW-F	Iron Worker - Forema	1.00	331.95	MH	36.900	29,458				29,458
IRW-J	Iron Worker - Rigger	2.00	663.89	MH	33.900	56,362				56,362
OP-2	Operator - Medium E	1.00	331.95	MH	43.500	32,266				32,266
OP-OIL	Equip Oiler	1.00	331.95	MH	43.780	32,386				32,386
WELD-J	Welder - Journeyman	1.00	331.95	MH	43.400	32,224				32,224
\$331,774.51	0.0014 MH/LB	2,655.5800	MH	[ 0.055 ]	239,058			63,223	29,494	331,775
5,555.6426	Units/H	50,000.7833	Un/Shift *	694.4444	Unit/M	0.13		0.03	0.02	0.18

**10400 Jack and Clamp Cables** **Quan: 1,844,140.00 LB** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>PTEN</u>	Post Tension Crew		331.94	CH	<b>Prod:</b> 50,000.0000 US	Lab Pcs:	8.00	Eqp Pcs:	7.00	
8AC900	Air Compressor - 900	1.00	331.95	HR	88.850			11,618	17,876	29,494
8ADDSTM	Addon - Small Tool&	1.00	331.95	HR	2.650			714	166	880
8SCAFFOLD	Scaffold	1.00	331.95	HR	14.000			3,983	664	4,647
8STLBOL	Hydraulic Bolt Tools	1.00	331.95	HR	20.000			4,979	1,660	6,639
8STLPT	Post Tension Machine	1.00	331.95	HR	85.000			24,896	3,320	28,216
8WELDTRK	Weld Truck/ Marine	1.00	331.95	HR	55.000			16,598	1,660	18,257
8WLD500	Welder - 500 Amp Di	1.00	331.95	HR	13.810			435	4,149	4,584

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450400</b>		Land Item		SCHEDULE: 1	100					
Description = Post Tension Segments		Unit = EA		Takeoff Quan:	277.672	Engr Quan:	0.000			
IRW-B	Iron Worker - Bolter	2.00	663.89 MH	33.900	56,362					56,362
IRW-F	Iron Worker - Forema	1.00	331.95 MH	36.900	29,458					29,458
IRW-J	Iron Worker - Rigger	2.00	663.89 MH	33.900	56,362					56,362
OP-2	Operator - Medium E	1.00	331.95 MH	43.500	32,266					32,266
OP-OIL	Equip Oiler	1.00	331.95 MH	43.780	32,386					32,386
WELD-J	Welder - Journeyman	1.00	331.95 MH	43.400	32,224					32,224
\$331,774.51	0.0014 MH/LB	2,655.5800	MH	[ 0.055 ]	239,058		63,223	29,494		331,775
5,555.6426	Units/H	50,000.7833	Un/Shift *	694.4444 Unit/M	0.13		0.03	0.02		0.18
<hr/>										
=====> Item Totals: 4450400 - Post Tension Segments										
\$4,984,586.33	26.8980 MH/EA	7,468.83	MH	[ 1038.199 ]	679,053	4,000,000	222,656	82,877		<b>4,984,586</b>
17,951.347	277.672 EA				2,445.52	14,405.49	801.87	298.47		17,951.35
<hr/>										

<b>BID ITEM = 4450500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit = CY		Takeoff Quan:	264.450	Engr Quan:	0.000			

**10100**      **Furnish Material**      **Quan: 1.00 EA**      **Hrs/Shft: 9.00**      **Cal: 510 WC:NYGEN**

\*\*Unreviewed

*There are no cost resources for this activity.*

**10200**      **Form**      **Quan: 1.00 0**      **Hrs/Shft: 9.00**      **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>FORM</u>	Form Crew Marine	0.00	CH	<b>Prod: 15.0376 UM</b>	Lab Pcs:	7.00	Eqp Pcs:	14.00		
8AC900	Air Compressor - 900	1.00	0.01 HR	88.850				1		1
8ADDSTM	Addon - Small Tool&	1.00	0.01 HR	2.650						
8BRGCB1	Crane Barge 1-250'x	1.00	0.01 HR	150.000			1			2
8BRGSPD	Mooring, Anchoring a	1.00	0.01 HR	35.000						

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Total
<hr/>										
<b>BID ITEM = 4450500</b>			Land Item	SCHEDULE: 1	100					
Description = Closure Pour			Unit =	CY	Takeoff Quan:	264.450	Engr Quan:		0.000	
8CNCFORMS	Form Work System	1.00	0.01 HR	52.000						1
8CRN140T	Manitowoc 3900 W 1	1.00	0.01 HR	171.950				1	1	2
8CRNMITS	Crane Timber Mats- 2	1.00	0.01 HR	30.153						
8CRNRIG	Crane Rigging Equip	1.00	0.01 HR	30.000						
8GEN1000	Generators 1000 KW	1.00	0.01 HR	35.000						
8PMPDISEL	Disel Tank and Pump	1.00	0.01 HR	30.000						
8SCAFLD	Scaffold and Gangwa	1.00	0.01 HR	6.030						
8TPU	Pickup Truck	1.00	0.01 HR	9.870						
8WELDTRK	Weld Truck/ Marine	1.00	0.01 HR	55.000				1		1
8WLD500	Welder - 500 Amp Di	1.00	0.01 HR	13.810						
CARP-A	Carpenter - Apprentic	1.00	0.01 MH	33.350	1					1
CARP-F	Carpenter - Foreman	1.00	0.01 MH	45.500	1					1
CARP-J	Carpenter - Journeym	1.00	0.01 MH	40.250	1					1
MECH-J	Mechanic - Master	1.00	0.01 MH	37.490	1					1
OP-CR1	Operator - Crane Med	1.00	0.01 MH	46.300	1					1
WALKB	Walking Boss	1.00	0.01 MH	37.500	1					1
WELD-J	Welder - Journeyman	1.00	0.01 MH	43.400	1					1
\$13.54	0.0700 MH/0		0.0700 MH	[ 2.83 ]	7			5	2	14
			14.2857 Unit/M *		6.50			4.77	2.27	13.54

**10300 Place Raber** **Quan: 7,200.00 SF** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>REBAR</u>	Rebar Crew		2.51 CH	Prod: 219.9985 UM	Lab Pcs: 13.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	2.52 HR	2.650		5	1	7
8BRGCB2	Crane Barge 2-250'x	1.00	2.52 HR	169.730		340	88	428
8BRGSPD	Mooring, Anchoring a	1.00	2.52 HR	35.000		63	25	88
8CRNM200T	Manitowoc 777 200T	1.00	2.52 HR	220.000		378	176	554
8CRNRIG	Crane Rigging Equip	1.00	2.52 HR	30.000		63	13	76
8GEN1000	Generators 1000 KW	1.00	2.52 HR	35.000		50	38	88



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit =		CY	Takeoff Quan:	264.450	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	2.52 HR	9.870			8	16		25
8WELDTRK	Weld Truck/ Marine	1.00	2.52 HR	55.000			126	13		139
8WLD500	Welder - 500 Amp Di	2.00	5.04 HR	13.810			7	63		70
IRW-A	Iron Worker - Appren	2.00	5.04 MH	25.000	370					370
IRW-F	Iron Worker - Forema	1.00	2.52 MH	36.900	224					224
IRW-LR	Iron Worker - Lather/	4.00	10.07 MH	33.900	855					855
LONG-1	Longshoreman - Deck	1.00	2.52 MH	40.000	234					234
MECH-J	Mechanic - Master	1.00	2.52 MH	37.490	226					226
OP-CR2	Operator - Crane Hea	1.00	2.52 MH	47.300	257					257
OP-OIL	Equip Oiler	1.00	2.52 MH	43.780	246					246
WELD-A	Welder - Apprentice	1.00	2.52 MH	37.400	225					225
WELD-J	Welder - Journeyman	1.00	2.52 MH	43.400	245					245
\$4,354.94	0.0045 MH/SF	32.7500	MH	[ 0.165 ]	2,881		1,041	433		4,355
2,868.5259	Units/H	25,816.7339	Un/Shift	219.8474 Unit/M	*	0.40	0.14	0.06		0.60

**10400 Place Concrete** **Quan: 720.00 CY** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine	36.00	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00				
8AC1300	Air Compressor - 130	1.00	36.00 HR	131.450		1,728	3,004			4,732
8ADDSTM	Addon - Small Tool&	1.00	36.00 HR	2.650		77	18			95
8BRGM1	MaterlBrg - 180'x54'x	1.00	36.00 HR	60.307		1,938	233			2,171
8BRGSS	Barge Spud System -	2.00	72.00 HR	11.200		720	86			806
8CNCBOOM	Concrete Pump Boom	1.00	36.00 HR	73.810		1,851	806			2,657
8CNCBUCK	Concrete Bucket	6.00	216.00 HR	2.270		318	173			490
8CNCCNV	Concrete Conveyer (5	1.00	36.00 HR	18.600		315	355			670
8CNCP	Concrete Pump - 250	1.00	36.00 HR	89.600		2,880	346			3,226
8CNCPE1	Concrete Place Equip	1.00	36.00 HR	44.800		1,440	173			1,613
8CNCPEQ2	Concrete Pumping Eq	1.00	36.00 HR	56.000		1,800	216			2,016
8CNCTRM1	Tremi Pipe	1.00	36.00 HR	45.000		1,260	360			1,620

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit =		CY	Takeoff Quan:	264.450	Engr Quan:	0.000		
8CNCWT	Concrete Work Tools	1.00	36.00 HR	4.310			155			155
8CRN130T	Grove RT9120E	1.00	36.00 HR	50.400			1,620	194		1,814
8CRNM100T	Manitowoc 11000 10	1.00	36.00 HR	150.000			3,600	1,800		5,400
8GEN1	GENSET 1000KW	1.00	36.00 HR	11.200			360	43		403
8PMPDISEL	Disel Tank and Pump	1.00	36.00 HR	30.000			900	180		1,080
8TPU	Pickup Truck	1.00	36.00 HR	9.870			121	234		355
CNC-A	Concrete Worker - Ap	3.00	108.00 MH	32.000	8,906					8,906
CNC-F	Concrete Worker - Fr	1.00	36.00 MH	36.000	3,153					3,153
CNC-J	Concrete Worker - Jo	3.00	108.00 MH	34.000	9,183					9,183
LONG-1	Longshoreman - Deck	2.00	72.00 MH	40.000	6,676					6,676
OP-2	Operator - Medium E	1.00	36.00 MH	43.500	3,499					3,499
OP-C	Operator - Concrete	1.00	36.00 MH	44.100	3,527					3,527
OP-CR1	Operator - Crane Med	1.00	36.00 MH	46.300	3,629					3,629
OP-OIL	Equip Oiler	2.00	72.00 MH	43.780	7,024					7,024
\$74,901.02	0.7000 MH/CY	504.0000	MH	[ 26.773 ]	45,596		21,084	8,221		74,901
20.0000	Units/H*	180.0000	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03

**10500 Cure Concrete** **Quan: 720.00 CY** **Hrs/Shift: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine	36.00	CH	<b>Prod: 20.0000 UH</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00				
8AC1300	Air Compressor - 130	1.00	36.00 HR	131.450		1,728	3,004			4,732
8ADDSTM	Addon - Small Tool&	1.00	36.00 HR	2.650		77	18			95
8BRGM1	MaterlBrg - 180'x54'x	1.00	36.00 HR	60.307		1,938	233			2,171
8BRGSS	Barge Spud System -	2.00	72.00 HR	11.200		720	86			806
8CNCBOOM	Concrete Pump Boom	1.00	36.00 HR	73.810		1,851	806			2,657
8CNCBUCK	Concrete Bucket	6.00	216.00 HR	2.270		318	173			490
8CNCCNV	Concrete Conveyer (5	1.00	36.00 HR	18.600		315	355			670
8CNCP	Concrete Pump - 250	1.00	36.00 HR	89.600		2,880	346			3,226
8CNCPE1	Concrete Place Equip	1.00	36.00 HR	44.800		1,440	173			1,613

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450500</b>		Land Item		SCHEDULE: 1	100					
Description = Closure Pour		Unit =		CY	Takeoff Quan:	264.450	Engr Quan:	0.000		
8CNCPEQ2	Concrete Pumping Eq	1.00	36.00 HR	56.000			1,800	216		2,016
8CNCTRM1	Tremi Pipe	1.00	36.00 HR	45.000			1,260	360		1,620
8CNCWT	Concrete Work Tools	1.00	36.00 HR	4.310			155			155
8CRN130T	Grove RT9120E	1.00	36.00 HR	50.400			1,620	194		1,814
8CRNM100T	Manitowoc 11000 10	1.00	36.00 HR	150.000			3,600	1,800		5,400
8GEN1	GENSET 1000KW	1.00	36.00 HR	11.200			360	43		403
8PMPDISEL	Disel Tank and Pump	1.00	36.00 HR	30.000			900	180		1,080
8TPU	Pickup Truck	1.00	36.00 HR	9.870			121	234		355
CNC-A	Concrete Worker - Ap	3.00	108.00 MH	32.000	8,906					8,906
CNC-F	Concrete Worker - Fr	1.00	36.00 MH	36.000	3,153					3,153
CNC-J	Concrete Worker - Jo	3.00	108.00 MH	34.000	9,183					9,183
LONG-1	Longshoreman - Deck	2.00	72.00 MH	40.000	6,676					6,676
OP-2	Operator - Medium E	1.00	36.00 MH	43.500	3,499					3,499
OP-C	Operator - Concrete	1.00	36.00 MH	44.100	3,527					3,527
OP-CR1	Operator - Crane Med	1.00	36.00 MH	46.300	3,629					3,629
OP-OIL	Equip Oiler	2.00	72.00 MH	43.780	7,024					7,024
\$74,901.02	0.7000 MH/CY	504.0000	MH	[ 26.773 ]	45,596		21,084	8,221		74,901
20.0000	Units/H*	180.0000	Un/Shift	1.4286 Unit/M	63.33		29.28	11.42		104.03

**10600 Inspect Concrete** **Quan: 720.00 CY** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>CURE</u>	Concrete Cure Crew	1,296.00	CH	<b>Prod: 5.0000 US</b>	Lab Pcs: 5.00	Eqp Pcs: 6.00				
8AC900	Air Compressor - 900	1.00	1,296.00 HR	88.850		45,360	69,790			115,150
8ADDSTM	Addon - Small Tool&	1.00	1,296.00 HR	2.650		2,786	648			3,434
8CNCCURE	Concrete Cure Equip	1.00	1,296.00 HR	80.000		84,240	19,440			103,680
8CNCWT	Concrete Work Tools	1.00	1,296.00 HR	4.310		5,586				5,586
8PMPDISEL	Disel Tank and Pump	1.00	1,296.00 HR	30.000		32,400	6,480			38,880
8TPU	Pickup Truck	1.00	1,296.00 HR	9.870		4,368	8,424			12,792
CONF-A	Conc Finisher - Appre	2.00	2,592.00 MH	30.450	208,588					208,588

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
BID ITEM = 4450500			Land Item	SCHEDULE: 1	100					
Description = Closure Pour				Unit =	CY	Takeoff Quan:	264.450	Engr Quan:	0.000	
CONF-F	Conc Finisher - Fore	1.00	1,296.00 MH	41.190		122,137				122,137
CONF-J	Conc Finisher - Journ	2.00	2,592.00 MH	36.700		229,355				229,355
\$839,601.45	9.0000 MH/CY	6,480.0000	MH	[ 315.882 ]		560,080		174,740	104,782	839,601
0.5556	Units/H	5.0000	Un/Shift *	0.1111 Unit/M		777.89		242.69	145.53	1,166.11
10700	Transport Materials for Activity			Quan: 720.00	EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		
										**Unreviewed
TRNS	Material Transport Marine		9.00	CH	Prod: 1.0000	S	Lab Pcs: 13.00	Eqp Pcs: 10.00		
8ADDSTM	Addon - Small Tool&	1.00	9.00	HR	2.650			19	5	24
8BOATT1	Tug - 3000HP	2.00	18.00	HR	105.538			1,696	204	1,900
8BRGM1	MaterlBrg - 180'x54'x	2.00	18.00	HR	60.307			969	116	1,086
8BRGSPD	Mooring, Anchoring a	1.00	9.00	HR	35.000			225	90	315
8CRN130T	Grove RT9120E	1.00	9.00	HR	50.400			405	49	454
8CRNGRDL	Gradall Support Lift	1.00	9.00	HR	74.000			522	144	666
8CRNM200T	Manitowoc 777 200T	1.00	9.00	HR	220.000			1,350	630	1,980
8TPU	Pickup Truck	1.00	9.00	HR	9.870			30	59	89
DB-A	Dockbuilder - Appren	2.00	18.00	MH	17.840	1,158				1,158
DB-F	Dockbuilder - Forema	0.50	4.50	MH	47.610	461				461
DB-GF	Dockbuilder- General	0.50	4.50	MH	50.610	478				478
DB-R	Dockbuilder - Rigger	2.00	18.00	MH	45.610	1,798				1,798
LONG-1	Longshoreman - Deck	2.00	18.00	MH	40.000	1,669				1,669
LONG-2	Longshoreman - Oper	2.00	18.00	MH	43.500	1,750				1,750
OP-CR1	Operator - Crane Med	1.00	9.00	MH	46.300	907				907
OP-CR2	Operator - Crane Hea	1.00	9.00	MH	47.300	919				919
OP-OIL	Equip Oiler	2.00	18.00	MH	43.780	1,756				1,756
\$17,408.39	0.1625 MH/EA	117.0000	MH	[ 6.552 ]		10,896		5,217	1,295	17,408
80.0000	Units/H	720.0000	Un/Shift	6.1538 Unit/M		15.13		7.25	1.80	24.18

\*\*Unreviewed

=====> Item Totals: **4450500 - Closure Pour**

## DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs		Cost		Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total
<hr/>												
<b>BID ITEM = 4450500</b>			Land Item	SCHEDULE: 1	100							
Description = Closure Pour				Unit = CY	Takeoff Quan:	264.450		Engr Quan:		0.000		
\$1,011,180.36	28.8819 MH/CY	7,637.82	MH	[ 1028.162 ]	665,056			223,170	122,954			<b>1,011,180</b>
3,823.711	264.45 CY				2,514.87			843.90	464.94			3,823.71

<b>BID ITEM = 4450600</b>	Land Item	SCHEDULE: 1	100			
Description = Launch Gantry		Unit = EA	Takeoff Quan:	13.222	Engr Quan:	0.000

<b>10100</b>	<b>Reposition Gantry</b>	<b>Quan:</b>	<b>36.00</b>	<b>EA</b>	<b>Hrs/Shft:</b>	<b>9.00</b>	<b>Cal:</b>	<b>510</b>	<b>WC:</b>	<b>NYGEN</b>
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LNCH		Gantry Launch Crew - 1x		810.00	CH	Prod: 0.4000 US	Lab Pcs: 4.50	Eqp Pcs: 1.00		
8ADDSTM	Addon - Small Tool&	1.00	810.00	HR	2.650			1,742	405	2,147
IRW-B	Iron Worker - Bolter	1.00	810.00	MH	33.900	68,766				68,766
MECH-J	Mechanic - Master	1.00	810.00	MH	37.490	72,494				72,494
OP-3	Operator - Heavy Equ	1.00	810.00	MH	45.670	80,987				80,987
OP-OIL	Equip Oiler	1.00	810.00	MH	43.780	79,025				79,025
WALKB	Walking Boss	0.50	405.00	MH	37.500	36,252				36,252
\$339,670.61	101.2500 MH/EA	3,645.0000	MH	[ 4040.775 ]		337,524		1,742	405	339,671
0.0444	Units/H	0.4000	Un/Shift *	0.0099	Unit/M	9,375.67		48.38	11.25	9,435.29

=====> Item Totals:				4450600	- Launch Gantry				
\$339,670.61	275.6769	MH/EA	3,645.00	MH	[ 11001.959 ]	337,524	1,742	405	339,671
25,689.806	13.222	EA				25,527.46	131.71	30.63	25,689.81

### Total of Above Sub-Biditems

====> Item Totals:	4450000	- Zone 6 through Zone 7
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**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 4450600</b>										
Description = Launch Gantry										
Land Item SCHEDULE: 1 100										
Unit = EA Takeoff Quan: 13.222 Engr Quan: 0.000										
\$10,230,173.41	1.3609 MH/CY	43,309.41	MH	[ 54.196 ]	4,005,584	4,027,700	1,590,105	606,785		10,230,173
321.476	31822.464 CY				125.87	126.57	49.97	19.07		321.48

**Total of Above Sub-Biditems**

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=====> Item Totals: 4400000 - Approach - Final Build - Superstructure										
\$149,159,920.50	4.6171 MH/CY	497,930.12	MH	[ 180.473 ]	45,583,689	53,569,518	17,033,546	7,973,167	25,000,000	149,159,921
1,383.108	107844 CY				422.68	496.73	157.95	73.93	231.82	1,383.11

**PARENT ITEM 5300000**

Description = Main Span - Final Build - Superstructure Unit = TON Takeoff Quan: 8,754.000 Engr Quan: 8,754.000

**Listing of Sub-Biditems of Parent Item 5300000:**

**PARENT ITEM 5310000**

Description = Main Span Superstructure Unit = TON Takeoff Quan: 7,303.000 Engr Quan: 7,303.000

**Listing of Sub-Biditems of Parent Item 5310000:**

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 5310100</b>			Land Item	SCHEDULE: 1	100						
Description = Superstructure				Unit = TON	Takeoff Quan:	7,303.000	Engr Quan:	0.000			
<b>10100</b>	<b>Furnish Materials</b>			<b>Quan: 1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
2STEELCBL	Steel Cable Stay Tend	966.00	TON	5,000.000		4,830,000					4,830,000
2STEELFAB	Steel Fabricated Mem	7,303.00	TON	3,500.000		25,560,500					25,560,500
2STEELMSC	Miscsteel, Weld Stick	10.00	TON	3,500.000		35,000					35,000
\$30,425,500.00				[ ]		30,425,500					30,425,500
						30,425,500.00					30,425,500.00
<b>10200</b>	<b>Transport Materials</b>			<b>Quan: 100.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>TRNS</u>	Material Transport Marine	225.00	CH	<b>Prod: 4.0000 US</b>		Lab Pcs: 13.00		Eqp Pcs: 10.00			
8ADDSTM	Addon - Small Tool&	1.00	225.00 HR	2.650				484	113		596
8BOATT1	Tug - 3000HP	2.00	450.00 HR	105.538				42,404	5,088		47,492
8BRGM1	MaterlBrg - 180'x54'x	2.00	450.00 HR	60.307				24,231	2,908		27,138
8BRGSPD	Mooring, Anchoring a	1.00	225.00 HR	35.000				5,625	2,250		7,875
8CRN130T	Grove RT9120E	1.00	225.00 HR	50.400				10,125	1,215		11,340
8CRNGRDL	Gradall Support Lift	1.00	225.00 HR	74.000				13,050	3,600		16,650
8CRNM200T	Manitowoc 777 200T	1.00	225.00 HR	220.000				33,750	15,750		49,500
8TPU	Pickup Truck	1.00	225.00 HR	9.870				758	1,463		2,221
DB-A	Dockbuilder - Appren	2.00	450.00 MH	17.840	28,939						28,939
DB-F	Dockbuilder - Forema	0.50	112.50 MH	47.610	11,528						11,528
DB-GF	Dockbuilder- General	0.50	112.50 MH	50.610	11,961						11,961
DB-R	Dockbuilder - Rigger	2.00	450.00 MH	45.610	44,958						44,958
LONG-1	Longshoreman - Deck	2.00	450.00 MH	40.000	41,722						41,722
LONG-2	Longshoreman - Oper	2.00	450.00 MH	43.500	43,741						43,741
OP-CR1	Operator - Crane Med	1.00	225.00 MH	46.300	22,678						22,678
OP-CR2	Operator - Crane Hea	1.00	225.00 MH	47.300	22,967						22,967
OP-OIL	Equip Oiler	2.00	450.00 MH	43.780	43,903						43,903

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost		Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total
<b>BID ITEM = 5310100</b>			Land Item	SCHEDULE: 1	100						
Description = Superstructure				Unit = TON	Takeoff Quan:	7,303.000		Engr Quan:	0.000		
\$435,209.85	29.2500 MH/EA	2,925.0000	MH	[ 1179.383 ]	272,397			130,427	32,386		435,210
0.4444	Units/H	4.0000	Un/Shift *	0.0342 Unit/M	2,723.97			1,304.27	323.86		4,352.10
<b>10300</b>	<b>Pylon Steel Anchor Segment</b>			<b>Quan: 2.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>CRN B</u>	Barge Crane Crew		90.00	CH	<b>Prod: 0.2000 US</b>	Lab Pcs:	6.00	Eqp Pcs:	2.00		
8CRNR1	Manitowoc 888 Ring	1.00	90.00	HR	494.824			39,763	4,772		44,534
8CRNRIG	Crane Rigging Equip	1.00	90.00	HR	30.000			2,250	450		2,700
IRW-B	Iron Worker - Bolter	1.00	90.00	MH	33.900	7,641					7,641
IRW-F	Iron Worker - Forema	1.00	90.00	MH	36.900	7,987					7,987
IRW-J	Iron Worker - Rigger	1.00	90.00	MH	33.900	7,641					7,641
MECH-J	Mechanic - Master	1.00	90.00	MH	37.490	8,055					8,055
OP-CR2	Operator - Crane Hea	1.00	90.00	MH	47.300	9,187					9,187
OP-OIL	Equip Oiler	1.00	90.00	MH	43.780	8,781					8,781
\$96,524.41	270.0000 MH/EA	540.0000	MH	[ 10497.15 ]	49,290			42,013	5,222		96,524
0.0222	Units/H	0.2000	Un/Shift *	0.0037 Unit/M	24,645.10			21,006.35	2,610.76		48,262.21
<b>10400</b>	<b>Erect Strand Jacks</b>			<b>Quan: 4.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>STJK</u>	Strand Jack Crew		18.00	CH	<b>Prod: 2.0000 US</b>	Lab Pcs:	9.00	Eqp Pcs:	5.00		
8AC900	Air Compressor - 900	1.00	18.00	HR	88.850			630	969		1,599
8ADDSTM	Addon - Small Tool&	1.00	18.00	HR	2.650			39	9		48
8CRNSTJ	Strand Jack - hydraul	1.00	18.00	HR	175.000			2,250	900		3,150
8GEN1000	Generators 1000 KW	1.00	18.00	HR	35.000			360	270		630
8STLBOL	Hydraulic Bolt Tools	1.00	18.00	HR	20.000			270	90		360
ELEC-J	Electricain - Journey	1.00	18.00	MH	40.000	1,669					1,669
IRW-B	Iron Worker - Bolter	2.00	36.00	MH	33.900	3,056					3,056
IRW-F	Iron Worker - Forema	1.00	18.00	MH	36.900	1,597					1,597
IRW-J	Iron Worker - Rigger	2.00	36.00	MH	33.900	3,056					3,056
MECH-J	Mechanic - Master	1.00	18.00	MH	37.490	1,611					1,611



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310100</b>		Land Item		SCHEDULE: 1	100					
Description = Superstructure		Unit = TON		Takeoff Quan:	7,303.000	Engr Quan:	0.000			
OP-3	Operator - Heavy Equ	1.00	18.00 MH	45.670	1,800					1,800
OP-OIL	Equip Oiler	1.00	18.00 MH	43.780	1,756					1,756
\$20,332.58	40.5000 MH/EA	162.0000	MH	[ 1527.48 ]	14,546		3,549	2,238		20,333
0.2222	Units/H	2.0000	Un/Shift *	0.0247 Unit/M	3,636.40		887.18	559.58		5,083.15
<hr/>										
<b>10500</b>	<b>Locate, Position, Secure Seg Barge 1</b>	<b>Quan: 31.00 EA</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>TRNS</u>	Material Transport Marine	279.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00				
8ADDSTM	Addon - Small Tool&	1.00	279.00 HR	2.650		600	140			739
8BOATT1	Tug - 3000HP	2.00	558.00 HR	105.538		52,581	6,310			58,890
8BRGM1	MaterlBrg - 180'x54'x	2.00	558.00 HR	60.307		30,046	3,606			33,652
8BRGSPD	Mooring, Anchoring a	1.00	279.00 HR	35.000		6,975	2,790			9,765
8CRN130T	Grove RT9120E	1.00	279.00 HR	50.400		12,555	1,507			14,062
8CRNGRDL	Gradall Support Lift	1.00	279.00 HR	74.000		16,182	4,464			20,646
8CRNM200T	Manitowoc 777 200T	1.00	279.00 HR	220.000		41,850	19,530			61,380
8TPU	Pickup Truck	1.00	279.00 HR	9.870		940	1,814			2,754
DB-A	Dockbuilder - Appren	2.00	558.00 MH	17.840	35,884					35,884
DB-F	Dockbuilder - Forema	0.50	139.50 MH	47.610	14,295					14,295
DB-GF	Dockbuilder- General	0.50	139.50 MH	50.610	14,831					14,831
DB-R	Dockbuilder - Rigger	2.00	558.00 MH	45.610	55,748					55,748
LONG-1	Longshoreman - Deck	2.00	558.00 MH	40.000	51,736					51,736
LONG-2	Longshoreman - Oper	2.00	558.00 MH	43.500	54,239					54,239
OP-CR1	Operator - Crane Med	1.00	279.00 MH	46.300	28,121					28,121
OP-CR2	Operator - Crane Hea	1.00	279.00 MH	47.300	28,479					28,479
OP-OIL	Equip Oiler	2.00	558.00 MH	43.780	54,439					54,439
\$539,660.17	117.0000 MH/EA	3,627.0000	MH	[ 4717.53 ]	337,772		161,729	40,159		539,660
0.1111	Units/H	1.0000	Un/Shift *	0.0085 Unit/M	10,895.88		5,217.07	1,295.45		17,408.39

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5310100**

Description = Superstructure

Land Item SCHEDULE: 1 100  
Unit = TON Takeoff Quan: 7,303.000 Engr Quan: 0.000

**10600 Lift Steel Seg 1 Quan: 31.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STJK</u>	Strand Jack Crew		279.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00		
8AC900	Air Compressor - 900	1.00	279.00	HR	88.850		9,765	15,024	24,789
8ADDSTM	Addon - Small Tool&	1.00	279.00	HR	2.650		600	140	739
8CRNSTJ	Strand Jack - hydrauli	1.00	279.00	HR	175.000		34,875	13,950	48,825
8GEN1000	Generators 1000 KW	1.00	279.00	HR	35.000		5,580	4,185	9,765
8STLBOL	Hydraulic Bolt Tools	1.00	279.00	HR	20.000		4,185	1,395	5,580
ELEC-J	Electricain - Journey	1.00	279.00	MH	40.000	25,868			25,868
IRW-B	Iron Worker - Bolter	2.00	558.00	MH	33.900	47,372			47,372
IRW-F	Iron Worker - Forema	1.00	279.00	MH	36.900	24,759			24,759
IRW-J	Iron Worker - Rigger	2.00	558.00	MH	33.900	47,372			47,372
MECH-J	Mechanic - Master	1.00	279.00	MH	37.490	24,970			24,970
OP-3	Operator - Heavy Equ	1.00	279.00	MH	45.670	27,896			27,896
OP-OIL	Equip Oiler	1.00	279.00	MH	43.780	27,220			27,220
\$315,155.08	81.0000 MH/EA	2,511.0000	MH	[ 3054.96 ]	225,457		55,005	34,694	315,155
0.1111	Units/H	1.0000	Un/Shift *	0.0123	Unit/M	7,272.79	1,774.35	1,119.15	10,166.29

**10700 Anchor and Erect Cable Strands 1 Quan: 31.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>SCBLE</u>	Stay Cable Errect Crew		279.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00		
8AC900	Air Compressor - 900	1.00	279.00	HR	88.850		9,765	15,024	24,789
8ADDSTM	Addon - Small Tool&	1.00	279.00	HR	2.650		600	140	739
8CRNG40T	Grove RT640E 40 To	1.00	279.00	HR	110.000		22,320	8,370	30,690
8CRNTWR	LIBHERRTOWER 5	1.00	279.00	HR	277.000		63,333	13,950	77,283
8SCBLE	Steel - Cable Stay Equ	1.00	279.00	HR	140.000		27,900	11,160	39,060
IRW-B	Iron Worker - Bolter	2.00	558.00	MH	33.900	47,372			47,372
IRW-F	Iron Worker - Forema	1.00	279.00	MH	36.900	24,759			24,759
IRW-J	Iron Worker - Rigger	4.00	1,116.00	MH	33.900	94,744			94,744

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit		Perm	Constr	Equipme	Equipme	Sub-		
Resource		Pcs			Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 5310100			Land Item	SCHEDULE: 1	100							
Description = Superstructure				Unit = TON	Takeoff Quan:	7,303.000		Engr Quan:		0.000		
OP-3	Operator - Heavy Equ	1.00	279.00 MH	45.670	27,896							27,896
OP-OIL	Equip Oiler	1.00	279.00 MH	43.780	27,220							27,220
\$394,552.47	81.0000 MH/EA	2,511.0000	MH	[ 2967.75 ]	221,991			123,918	48,644			394,552
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,161.00			3,997.35	1,569.15			12,727.50
10800	Connect Cable Stay and Tension 1			Quan:	31.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		**Unreviewed		
SCBLE	Stay Cable Errect Crew	279.00	CH	Prod:	1.0000 US	Lab Pcs:	9.00	Eqp Pcs:	5.00			
8AC900	Air Compressor - 900	1.00	279.00 HR	88.850				9,765	15,024			24,789
8ADDSTM	Addon - Small Tool&	1.00	279.00 HR	2.650				600	140			739
8CRNG40T	Grove RT640E 40 To	1.00	279.00 HR	110.000				22,320	8,370			30,690
8CRNTWR	LIBHERRTOWER 5	1.00	279.00 HR	277.000				63,333	13,950			77,283
8SCBLE	Steel - Cable Stay Equ	1.00	279.00 HR	140.000				27,900	11,160			39,060
IRW-B	Iron Worker - Bolter	2.00	558.00 MH	33.900	47,372							47,372
IRW-F	Iron Worker - Forema	1.00	279.00 MH	36.900	24,759							24,759
IRW-J	Iron Worker - Rigger	4.00	1,116.00 MH	33.900	94,744							94,744
OP-3	Operator - Heavy Equ	1.00	279.00 MH	45.670	27,896							27,896
OP-OIL	Equip Oiler	1.00	279.00 MH	43.780	27,220							27,220
\$394,552.47	81.0000 MH/EA	2,511.0000	MH	[ 2967.75 ]	221,991			123,918	48,644			394,552
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,161.00			3,997.35	1,569.15			12,727.50
10900	Locate, Position, Secure Seg Barge 2			Quan:	32.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		**Unreviewed		
TRNS	Material Transport Marine	288.00	CH	Prod:	1.0000 US	Lab Pcs:	13.00	Eqp Pcs:	10.00			
8ADDSTM	Addon - Small Tool&	1.00	288.00 HR	2.650				619	144			763
8BOATT1	Tug - 3000HP	2.00	576.00 HR	105.538				54,277	6,513			60,790
8BRGM1	MaterlBrg - 180'x54'x	2.00	576.00 HR	60.307				31,015	3,722			34,737
8BRGSPD	Mooring, Anchoring a	1.00	288.00 HR	35.000				7,200	2,880			10,080
8CRN130T	Grove RT9120E	1.00	288.00 HR	50.400				12,960	1,555			14,515
8CRNGRDL	Gradall Support Lift	1.00	288.00 HR	74.000				16,704	4,608			21,312

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 5310100</b>			Land Item	SCHEDULE: 1	100						
Description = Superstructure			Unit = TON	Takeoff Quan:	7,303.000	Engr Quan:	0.000				
8CRNM200T	Manitowoc 777 200T	1.00	288.00 HR	220.000				43,200	20,160		63,360
8TPU	Pickup Truck	1.00	288.00 HR	9.870				971	1,872		2,843
DB-A	Dockbuilder - Appren	2.00	576.00 MH	17.840	37,042						37,042
DB-F	Dockbuilder - Forema	0.50	144.00 MH	47.610	14,756						14,756
DB-GF	Dockbuilder- General	0.50	144.00 MH	50.610	15,310						15,310
DB-R	Dockbuilder - Rigger	2.00	576.00 MH	45.610	57,547						57,547
LONG-1	Longshoreman - Deck	2.00	576.00 MH	40.000	53,404						53,404
LONG-2	Longshoreman - Oper	2.00	576.00 MH	43.500	55,989						55,989
OP-CR1	Operator - Crane Med	1.00	288.00 MH	46.300	29,028						29,028
OP-CR2	Operator - Crane Hea	1.00	288.00 MH	47.300	29,397						29,397
OP-OIL	Equip Oiler	2.00	576.00 MH	43.780	56,195						56,195
\$557,068.59	117.0000 MH/EA	3,744.0000	MH	[ 4717.53 ]	348,668			166,946	41,454		557,069
0.1111	Units/H	1.0000	Un/Shift *	0.0085 Unit/M	10,895.88			5,217.07	1,295.45		17,408.39
<hr/>											
<b>11000</b>	<b>Lift Steel Seg 2</b>			<b>Quan: 32.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>STJK</u>	Strand Jack Crew		2.30 CH	<b>Prod: 0.2560 S</b>	Lab Pcs:	9.00	Eqp Pcs:	5.00			
8AC900	Air Compressor - 900	1.00	2.30 HR	88.850			81	124			204
8ADDSTM	Addon - Small Tool&	1.00	2.30 HR	2.650			5	1			6
8CRNSTJ	Strand Jack - hydrauli	1.00	2.30 HR	175.000			288	115			403
8GEN1000	Generators 1000 KW	1.00	2.30 HR	35.000			46	35			81
8STLBOL	Hydraulic Bolt Tools	1.00	2.30 HR	20.000			35	12			46
ELEC-J	Electricain - Journey	1.00	2.30 MH	40.000	213						213
IRW-B	Iron Worker - Bolter	2.00	4.61 MH	33.900	391						391
IRW-F	Iron Worker - Forema	1.00	2.30 MH	36.900	204						204
IRW-J	Iron Worker - Rigger	2.00	4.61 MH	33.900	391						391
MECH-J	Mechanic - Master	1.00	2.30 MH	37.490	206						206
OP-3	Operator - Heavy Equ	1.00	2.30 MH	45.670	230						230
OP-OIL	Equip Oiler	1.00	2.30 MH	43.780	224						224

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310100</b>		Land Item		SCHEDULE: 1	100					
Description = Superstructure		Unit = TON		Takeoff Quan:	7,303.000	Engr Quan:	0.000			
\$2,599.75	0.6475 MH/EA	20.7200	MH	[ 24.418 ]	1,860		453	286		2,600
13.9130	Units/H	125.2174	Un/Shift	1.5444 Unit/M	58.13		14.17	8.94		81.24
<hr/>										
<b>11100</b>	<b>Anchor and Erect Cable Strands 2</b>	<b>Quan: 32.00 EA</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>SCBLE</u>	Stay Cable Errect Crew	288.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00				
8AC900	Air Compressor - 900	1.00	288.00	HR	88.850	10,080	15,509			25,589
8ADDSTM	Addon - Small Tool&	1.00	288.00	HR	2.650	619	144			763
8CRNG40T	Grove RT640E 40 To	1.00	288.00	HR	110.000	23,040	8,640			31,680
8CRNTWR	LIBHERRTOWER 5	1.00	288.00	HR	277.000	65,376	14,400			79,776
8SCBLE	Steel - Cable Stay Equ	1.00	288.00	HR	140.000	28,800	11,520			40,320
IRW-B	Iron Worker - Bolter	2.00	576.00	MH	33.900	48,900				48,900
IRW-F	Iron Worker - Forema	1.00	288.00	MH	36.900	25,558				25,558
IRW-J	Iron Worker - Rigger	4.00	1,152.00	MH	33.900	97,801				97,801
OP-3	Operator - Heavy Equ	1.00	288.00	MH	45.670	28,796				28,796
OP-OIL	Equip Oiler	1.00	288.00	MH	43.780	28,098				28,098
\$407,279.96	81.0000 MH/EA	2,592.0000	MH	[ 2967.75 ]	229,152	127,915	50,213			407,280
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,161.00	3,997.35	1,569.15			12,727.50
<hr/>										
<b>11200</b>	<b>Connect Cable Stay and Tension 2</b>	<b>Quan: 32.00 EA</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>SCBLE</u>	Stay Cable Errect Crew	288.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00				
8AC900	Air Compressor - 900	1.00	288.00	HR	88.850	10,080	15,509			25,589
8ADDSTM	Addon - Small Tool&	1.00	288.00	HR	2.650	619	144			763
8CRNG40T	Grove RT640E 40 To	1.00	288.00	HR	110.000	23,040	8,640			31,680
8CRNTWR	LIBHERRTOWER 5	1.00	288.00	HR	277.000	65,376	14,400			79,776
8SCBLE	Steel - Cable Stay Equ	1.00	288.00	HR	140.000	28,800	11,520			40,320
IRW-B	Iron Worker - Bolter	2.00	576.00	MH	33.900	48,900				48,900
IRW-F	Iron Worker - Forema	1.00	288.00	MH	36.900	25,558				25,558
IRW-J	Iron Worker - Rigger	4.00	1,152.00	MH	33.900	97,801				97,801

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310100</b>		Land Item		SCHEDULE: 1	100					
Description = Superstructure		Unit = TON		Takeoff Quan:	7,303.000	Engr Quan:	0.000			
OP-3	Operator - Heavy Equ	1.00	288.00 MH	45.670	28,796					28,796
OP-OIL	Equip Oiler	1.00	288.00 MH	43.780	28,098					28,098
\$407,279.96	81.0000 MH/EA	2,592.0000	MH	[ 2967.75 ]	229,152		127,915	50,213		407,280
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,161.00		3,997.35	1,569.15		12,727.50
<hr/>										
<b>11300 Final Tension Cable 1</b>		<b>Quan: 63.00 EA</b>		<b>Hrs/Shft: 9.00</b>		<b>Cal: 510 WC:NYGEN</b>				
<u>SCBLE</u> Stay Cable Errect Crew		113.40	CH	<b>Prod: 5.0000 US</b>	Lab Pcs:	9.00	Eqp Pcs:	5.00		
8AC900	Air Compressor - 900	1.00	113.40 HR	88.850			3,969	6,107		10,076
8ADDSTM	Addon - Small Tool&	1.00	113.40 HR	2.650			244	57		301
8CRNG40T	Grove RT640E 40 To	1.00	113.40 HR	110.000			9,072	3,402		12,474
8CRNTWR	LIBHERRTOWER 5	1.00	113.40 HR	277.000			25,742	5,670		31,412
8SCBLE	Steel - Cable Stay Equ	1.00	113.40 HR	140.000			11,340	4,536		15,876
IRW-B	Iron Worker - Bolter	2.00	226.80 MH	33.900	19,255					19,255
IRW-F	Iron Worker - Forema	1.00	113.40 MH	36.900	10,063					10,063
IRW-J	Iron Worker - Rigger	4.00	453.60 MH	33.900	38,509					38,509
OP-3	Operator - Heavy Equ	1.00	113.40 MH	45.670	11,338					11,338
OP-OIL	Equip Oiler	1.00	113.40 MH	43.780	11,063					11,063
\$160,366.50	16.2000 MH/EA	1,020.6000	MH	[ 593.55 ]	90,229		50,367	19,771		160,367
0.5556	Units/H	5.0000	Un/Shift *	0.0617 Unit/M	1,432.20		799.47	313.83		2,545.50
<hr/>										
<b>11400 Final Tension Cable 2</b>		<b>Quan: 63.00 EA</b>		<b>Hrs/Shft: 9.00</b>		<b>Cal: 510 WC:NYGEN</b>				
<u>SCBLE</u> Stay Cable Errect Crew		113.40	CH	<b>Prod: 5.0000 US</b>	Lab Pcs:	9.00	Eqp Pcs:	5.00		
8AC900	Air Compressor - 900	1.00	113.40 HR	88.850			3,969	6,107		10,076
8ADDSTM	Addon - Small Tool&	1.00	113.40 HR	2.650			244	57		301
8CRNG40T	Grove RT640E 40 To	1.00	113.40 HR	110.000			9,072	3,402		12,474
8CRNTWR	LIBHERRTOWER 5	1.00	113.40 HR	277.000			25,742	5,670		31,412
8SCBLE	Steel - Cable Stay Equ	1.00	113.40 HR	140.000			11,340	4,536		15,876
IRW-B	Iron Worker - Bolter	2.00	226.80 MH	33.900	19,255					19,255

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
BID ITEM = 5310100			Land Item	SCHEDULE: 1	100					
Description = Superstructure				Unit = TON	Takeoff Quan:	7,303.000	Engr Quan:		0.000	
IRW-F	Iron Worker - Forema	1.00	113.40 MH	36.900	10,063					10,063
IRW-J	Iron Worker - Rigger	4.00	453.60 MH	33.900	38,509					38,509
OP-3	Operator - Heavy Equ	1.00	113.40 MH	45.670	11,338					11,338
OP-OIL	Equip Oiler	1.00	113.40 MH	43.780	11,063					11,063
\$160,366.50	16.2000 MH/EA	1,020.6000	MH	[ 593.55 ]	90,229		50,367	19,771		160,367
0.5556	Units/H	5.0000	Un/Shift *	0.0617 Unit/M	1,432.20		799.47	313.83		2,545.50
11500	Inspect Steel			Quan: 63.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
										**Unreviewed
INS	Inspection Crew - 1x	56.70	CH	Prod: 10.0000 US	Lab Pcs:	4.00	Eqp Pcs:	2.00		
8ADDSTM	Addon - Small Tool&	1.00	56.70 HR	2.650			122	28		150
8WLDINS	Radiograph - Weld Q	1.00	56.70 HR	95.000			3,856	1,531		5,387
QA	Quality Assurance Ins	2.00	113.40 MH	50.000	11,968					11,968
QC	Quality Control Insp	2.00	113.40 MH	50.000	11,968					11,968
\$29,472.09	3.6000 MH/EA	226.8000	MH	[ 180 ]	23,935		3,978	1,559		29,472
1.1111	Units/H	10.0000	Un/Shift *	0.2778 Unit/M	379.93		63.13	24.75		467.81
11600	Secure Bolted Connections			Quan: 200,000.00 EA	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
										**Unreviewed
BOLT	Steel Bolt Crew	3,600.00	CH	Prod: 500.0000 US	Lab Pcs:	13.00	Eqp Pcs:	12.00		
2STEELBOLT	Steel Bolts	200,000.00	EA	1.000	200,000					200,000
8AC1600	Air Compressor - 160	1.00	3,600.00 HR	135.200			183,600	303,120		486,720
8ADDSTM	Addon - Small Tool&	5.00	18,000.00 HR	2.650			38,700	9,000		47,700
8GEN1000	Generators 1000 KW	1.00	3,600.00 HR	35.000			72,000	54,000		126,000
8SBOLTT	Steel Bolt Tools	5.00	18,000.00 HR	20.000			270,000	90,000		360,000
IRW-A	Iron Worker - Appren	2.00	7,200.00 MH	25.000	529,110					529,110
IRW-B	Iron Worker - Bolter	10.00	36,000.00 MH	33.900	3,056,271					3,056,271
IRW-F	Iron Worker - Forema	1.00	3,600.00 MH	36.900	319,472					319,472
\$5,125,272.36	0.2340 MH/EA	46,800.0000	MH	[ 7.666 ]	3,904,852	200,000	564,300	456,120		5,125,272
55.5556	Units/H	500.0000	Un/Shift *	4.2735 Unit/M	19.52	1.00	2.82	2.28		25.63

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	

**BID ITEM = 5310100**

Description = Superstructure

Land Item SCHEDULE: 1 100  
Unit = TON Takeoff Quan: 7,303.000 Engr Quan: 0.000

**11700 Secure Welded Connections Quan: 5,000.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>WLD</u>	Weld Crew		9,000.00	CH	<b>Prod: 5.0000 US</b>	Lab Pcs: 6.00	Eqp Pcs: 6.00		
8ADDSTM	Addon - Small Tool&	1.00	9,000.00	HR	2.650		19,350	4,500	23,850
8GEN100	Genset - 100 kW	1.00	9,000.00	HR	35.500		54,450	265,050	319,500
8WELDTRK	Weld Truck/ Marine	1.00	9,000.00	HR	55.000		450,000	45,000	495,000
8WLD500	Welder - 500 Amp Di	2.00	18,000.00	HR	13.810		23,580	225,000	248,580
8WLDHUT	Weld Hut Equip	1.00	9,000.00	HR	80.000		585,000	135,000	720,000
OP-OIL	Equip Oiler	1.00	9,000.00	MH	43.780	878,054			878,054
WALKB	Walking Boss	1.00	9,000.00	MH	37.500	805,601			805,601
WELD-A	Welder - Apprentice	2.00	18,000.00	MH	37.400	1,608,895			1,608,895
WELD-J	Welder - Journeyman	2.00	18,000.00	MH	43.400	1,747,340			1,747,340
\$6,846,820.85	10.8000 MH/EA	54,000.0000	MH	[ 437.184 ]	5,039,891		1,132,380	674,550	6,846,821
0.5556	Units/H	5.0000	Un/Shift *	0.0926	Unit/M	1,007.98	226.48	134.91	1,369.36

**11800 QA / QC Steel Quan: 125.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>INS</u>	Inspection Crew - 1x		450.00	CH	<b>Prod: 50.0000 S</b>	Lab Pcs: 4.00	Eqp Pcs: 2.00		
8ADDSTM	Addon - Small Tool&	1.00	450.00	HR	2.650		968	225	1,193
8WLDINS	Radiograph - Weld Q	1.00	450.00	HR	95.000		30,600	12,150	42,750
QA	Quality Assurance Ins	2.00	900.00	MH	50.000	94,982			94,982
QC	Quality Control Insp	2.00	900.00	MH	50.000	94,982			94,982
\$233,905.50	14.4000 MH/EA	1,800.0000	MH	[ 720 ]	189,963		31,568	12,375	233,906
0.2778	Units/H	2.5000	Un/Shift	0.0694	Unit/M	1,519.70	252.54	99.00	1,871.24

**11900 Relocate Strand Jacks Quan: 60.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STJK</u>	Strand Jack Crew		540.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00		
8AC900	Air Compressor - 900	1.00	540.00	HR	88.850		18,900	29,079	47,979



**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310100</b>		Land Item		SCHEDULE: 1	100					
Description = Superstructure				Unit = TON	Takeoff Quan:	7,303.000	Engr Quan:	0.000		
8ADDSTM	Addon - Small Tool&	1.00	540.00 HR	2.650			1,161	270		1,431
8CRNSTJ	Strand Jack - hydrauli	1.00	540.00 HR	175.000			67,500	27,000		94,500
8GEN1000	Generators 1000 KW	1.00	540.00 HR	35.000			10,800	8,100		18,900
8STLBOL	Hydraulic Bolt Tools	1.00	540.00 HR	20.000			8,100	2,700		10,800
ELEC-J	Electricain - Journey	1.00	540.00 MH	40.000	50,067					50,067
IRW-B	Iron Worker - Bolter	2.00	1,080.00 MH	33.900	91,688					91,688
IRW-F	Iron Worker - Forema	1.00	540.00 MH	36.900	47,921					47,921
IRW-J	Iron Worker - Rigger	2.00	1,080.00 MH	33.900	91,688					91,688
MECH-J	Mechanic - Master	1.00	540.00 MH	37.490	48,329					48,329
OP-3	Operator - Heavy Equ	1.00	540.00 MH	45.670	53,992					53,992
OP-OIL	Equip Oiler	1.00	540.00 MH	43.780	52,683					52,683
\$609,977.59	81.0000 MH/EA	4,860.0000	MH	[ 3054.96 ]	436,368		106,461	67,149		609,978
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,272.79		1,774.35	1,119.15		10,166.29
<hr/>										
=====> Item Totals: 5310100 - Superstructure										
\$47,161,896.68	18.2751 MH/TON	133,463.72	MH	[ 683.316 ]	11,927,743	30,625,500	3,003,207	1,605,447		<b>47,161,897</b>
6,457.880	7303 TON									
					1,633.27	4,193.55	411.23	219.83		6,457.88
<hr/>										

<b>BID ITEM = 5310200</b>		Land Item	SCHEDULE: 1	100					
Description = Concrete Deck			Unit = CY	Takeoff Quan:	10,985.000	Engr Quan:	0.000		
<b>10100</b>	<b>Furnish Materials</b>		<b>Quan:</b>	<b>1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>		
2CONCPC	Concrete - Pre-cast	10,985.00 CY	97.000		1,065,545				**Unreviewed
2PTDSI	DSI Post Tension Syst	2,186.00 TON	5,000.000		10,930,000				
\$11,995,545.00			[ ]		11,995,545				
					11,995,545.00				

\*\*Unreviewed

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	

**BID ITEM = 5310200**

Description = Concrete Deck

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 10,985.000 Engr Quan: 0.000

**10200 Transport Deck Segments Quan: 300.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TRNS</u>	Material Transport Marine		270.00	CH	Prod: 10.0000 US	Lab Pcs: 13.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	270.00	HR	2.650		581 135	716
8BOATT1	Tug - 3000HP	2.00	540.00	HR	105.538		50,885 6,106	56,991
8BRGM1	MaterlBrg - 180'x54'x	2.00	540.00	HR	60.307		29,077 3,489	32,566
8BRGSPD	Mooring, Anchoring a	1.00	270.00	HR	35.000		6,750 2,700	9,450
8CRN130T	Grove RT9120E	1.00	270.00	HR	50.400		12,150 1,458	13,608
8CRNGRDL	Gradall Support Lift	1.00	270.00	HR	74.000		15,660 4,320	19,980
8CRNM200T	Manitowoc 777 200T	1.00	270.00	HR	220.000		40,500 18,900	59,400
8TPU	Pickup Truck	1.00	270.00	HR	9.870		910 1,755	2,665
DB-A	Dockbuilder - Appren	2.00	540.00	MH	17.840	34,727		34,727
DB-F	Dockbuilder - Forema	0.50	135.00	MH	47.610	13,834		13,834
DB-GF	Dockbuilder- General	0.50	135.00	MH	50.610	14,353		14,353
DB-R	Dockbuilder - Rigger	2.00	540.00	MH	45.610	53,950		53,950
LONG-1	Longshoreman - Deck	2.00	540.00	MH	40.000	50,067		50,067
LONG-2	Longshoreman - Oper	2.00	540.00	MH	43.500	52,489		52,489
OP-CR1	Operator - Crane Med	1.00	270.00	MH	46.300	27,214		27,214
OP-CR2	Operator - Crane Hea	1.00	270.00	MH	47.300	27,560		27,560
OP-OIL	Equip Oiler	2.00	540.00	MH	43.780	52,683		52,683
\$522,251.77	11.7000 MH/EA	3,510.0000	MH	[ 471.753 ]	326,876	156,512 38,863		522,252
1.1111	Units/H	10.0000	Un/Shift *	0.0855	Unit/M	1,089.59	521.71 129.54	1,740.84

**10300 Locate, Position, Secure Deck Barge Quan: 300.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TRNS</u>	Material Transport Marine		270.00	CH	Prod: 10.0000 US	Lab Pcs: 13.00	Eqp Pcs: 10.00	
8ADDSTM	Addon - Small Tool&	1.00	270.00	HR	2.650		581 135	716
8BOATT1	Tug - 3000HP	2.00	540.00	HR	105.538		50,885 6,106	56,991
8BRGM1	MaterlBrg - 180'x54'x	2.00	540.00	HR	60.307		29,077 3,489	32,566

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5310200**

Description = Concrete Deck

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 10,985.000 Engr Quan: 0.000

8BRGSPD	Mooring, Anchoring a	1.00	270.00	HR	35.000			6,750	2,700	9,450
8CRN130T	Grove RT9120E	1.00	270.00	HR	50.400			12,150	1,458	13,608
8CRNGRDL	Gradall Support Lift	1.00	270.00	HR	74.000			15,660	4,320	19,980
8CRNM200T	Manitowoc 777 200T	1.00	270.00	HR	220.000			40,500	18,900	59,400
8TPU	Pickup Truck	1.00	270.00	HR	9.870			910	1,755	2,665
DB-A	Dockbuilder - Appren	2.00	540.00	MH	17.840	34,727				34,727
DB-F	Dockbuilder - Forema	0.50	135.00	MH	47.610	13,834				13,834
DB-GF	Dockbuilder- General	0.50	135.00	MH	50.610	14,353				14,353
DB-R	Dockbuilder - Rigger	2.00	540.00	MH	45.610	53,950				53,950
LONG-1	Longshoreman - Deck	2.00	540.00	MH	40.000	50,067				50,067
LONG-2	Longshoreman - Oper	2.00	540.00	MH	43.500	52,489				52,489
OP-CR1	Operator - Crane Med	1.00	270.00	MH	46.300	27,214				27,214
OP-CR2	Operator - Crane Hea	1.00	270.00	MH	47.300	27,560				27,560
OP-OIL	Equip Oiler	2.00	540.00	MH	43.780	52,683				52,683
\$522,251.77	11.7000 MH/EA	3,510.0000	MH	[ 471.753 ]	326,876		156,512	38,863		522,252
1.1111	Units/H	10.0000	Un/Shift *	0.0855	Unit/M	1,089.59	521.71	129.54		1,740.84

**10400 Lift Deck & Place Segments** **Quan: 300.00 EA** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

<u>STEEL</u>	Steel Crew - Place Steel		540.00	CH	<b>Prod: 5.0000 US</b>	Lab Pcs: 11.00	Eqp Pcs: 15.00		
8AC900	Air Compressor - 900	1.00	540.00	HR	88.850		18,900	29,079	47,979
8ADDSTM	Addon - Small Tool&	1.00	540.00	HR	2.650		1,161	270	1,431
8BRGSPD	Mooring, Anchoring a	1.00	540.00	HR	35.000		13,500	5,400	18,900
8CRNDLTSJ	DL-S290 Strand Jack	2.00	1,080.00	HR	450.000		324,000	162,000	486,000
8CRNDLTSJC	DL-P40 Cmputer Cntr	1.00	540.00	HR	225.000		81,000	40,500	121,500
8GEN1	GENSET 1000KW	1.00	540.00	HR	11.200		5,400	648	6,048
8LIFTS32	Scissor Lift 32'	1.00	540.00	HR	29.700		8,019	8,019	16,038
8STLBOL	Hydraulic Bolt Tools	2.00	1,080.00	HR	20.000		16,200	5,400	21,600
8WELDTRK	Weld Truck/ Marine	1.00	540.00	HR	55.000		27,000	2,700	29,700

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310200</b>		Land Item		SCHEDULE: 1	100					
Description = Concrete Deck		Unit =		CY	Takeoff Quan:	10,985.000	Engr Quan:	0.000		
8WLD500	Welder - 500 Amp Di	2.00	1,080.00 HR	13.810			1,415	13,500		14,915
8WLDHUT	Weld Hut Equip	2.00	1,080.00 HR	80.000			70,200	16,200		86,400
IRW-B	Iron Worker - Bolter	2.00	1,080.00 MH	33.900	91,688					91,688
IRW-J	Iron Worker - Rigger	2.00	1,080.00 MH	33.900	91,688					91,688
MECH-J	Mechanic - Master	1.00	540.00 MH	37.490	48,329					48,329
OP-3	Operator - Heavy Equ	2.00	1,080.00 MH	45.670	107,983					107,983
OP-OIL	Equip Oiler	1.00	540.00 MH	43.780	52,683					52,683
WELD-F	Welder - Foreman	1.00	540.00 MH	48.400	55,881					55,881
WELD-J	Welder - Journeyman	2.00	1,080.00 MH	43.400	104,840					104,840
\$1,403,604.32	19.8000 MH/EA	5,940.0000	MH	[ 798.138 ]	553,094		566,795	283,716		1,403,604
0.5556	Units/H	5.0000	Un/Shift *	0.0505 Unit/M	1,843.65		1,889.32	945.72		4,678.68

**10500 Secure Segments** **Quan: 300.00 EA** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STEEL</u>	Steel Crew - Place Steel		540.00	CH	<b>Prod: 5.0000 US</b>	Lab Pcs: 11.00	Eqp Pcs: 15.00		
8AC900	Air Compressor - 900	1.00	540.00 HR	88.850			18,900	29,079	47,979
8ADDSTM	Addon - Small Tool&	1.00	540.00 HR	2.650			1,161	270	1,431
8BRGSPD	Mooring, Anchoring a	1.00	540.00 HR	35.000			13,500	5,400	18,900
8CRNDLTSJ	DL-S290 Strand Jack	2.00	1,080.00 HR	450.000			324,000	162,000	486,000
8CRNDLTSJC	DL-P40 Cmputer Cntr	1.00	540.00 HR	225.000			81,000	40,500	121,500
8GEN1	GENSET 1000KW	1.00	540.00 HR	11.200			5,400	648	6,048
8LIFTS32	Scissor Lift 32'	1.00	540.00 HR	29.700			8,019	8,019	16,038
8STLBOL	Hydraulic Bolt Tools	2.00	1,080.00 HR	20.000			16,200	5,400	21,600
8WELDTRK	Weld Truck/ Marine	1.00	540.00 HR	55.000			27,000	2,700	29,700
8WLD500	Welder - 500 Amp Di	2.00	1,080.00 HR	13.810			1,415	13,500	14,915
8WLDHUT	Weld Hut Equip	2.00	1,080.00 HR	80.000			70,200	16,200	86,400
IRW-B	Iron Worker - Bolter	2.00	1,080.00 MH	33.900	91,688				91,688
IRW-J	Iron Worker - Rigger	2.00	1,080.00 MH	33.900	91,688				91,688
MECH-J	Mechanic - Master	1.00	540.00 MH	37.490	48,329				48,329

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 5310200**

Description = Concrete Deck

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 10,985.000 Engr Quan: 0.000

OP-3	Operator - Heavy Equ	2.00	1,080.00 MH	45.670	107,983					107,983
OP-OIL	Equip Oiler	1.00	540.00 MH	43.780	52,683					52,683
WELD-F	Welder - Foreman	1.00	540.00 MH	48.400	55,881					55,881
WELD-J	Welder - Journeyman	2.00	1,080.00 MH	43.400	104,840					104,840
\$1,403,604.32	19.8000 MH/EA	5,940.0000	MH	[ 798.138 ]	553,094		566,795	283,716		1,403,604
0.5556	Units/H	5.0000	Un/Shift *	0.0505 Unit/M	1,843.65		1,889.32	945.72		4,678.68

**10600 Post Tension Segments Quan: 7,042.00 TON Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>PTEN</u>	Post Tension Crew		12,675.60 CH	<b>Prod: 5.0000 US</b>	Lab Pcs: 8.00	Eqp Pcs: 7.00				
8AC900	Air Compressor - 900	1.00	12,675.60 HR	88.850		443,646	682,581			1,126,227
8ADDSTM	Addon - Small Tool&	1.00	12,675.60 HR	2.650		27,253	6,338			33,590
8SCAFFOLD	Scaffold	1.00	12,675.60 HR	14.000		152,107	25,351			177,458
8STLBOL	Hydraulic Bolt Tools	1.00	12,675.60 HR	20.000		190,134	63,378			253,512
8STLPT	Post Tension Machine	1.00	12,675.60 HR	85.000		950,670	126,756			1,077,426
8WELDTRK	Weld Truck/ Marine	1.00	12,675.60 HR	55.000		633,780	63,378			697,158
8WLD500	Welder - 500 Amp Di	1.00	12,675.60 HR	13.810		16,605	158,445			175,050
IRW-B	Iron Worker - Bolter	2.00	25,351.20 MH	33.900	2,152,226					2,152,226
IRW-F	Iron Worker - Forema	1.00	12,675.60 MH	36.900	1,124,859					1,124,859
IRW-J	Iron Worker - Rigger	2.00	25,351.20 MH	33.900	2,152,226					2,152,226
OP-2	Operator - Medium E	1.00	12,675.60 MH	43.500	1,232,102					1,232,102
OP-OIL	Equip Oiler	1.00	12,675.60 MH	43.780	1,236,652					1,236,652
WELD-J	Welder - Journeyman	1.00	12,675.60 MH	43.400	1,230,477					1,230,477
\$12,668,963.59	14.4000 MH/TON	101,404.8000	MH	[ 545.724 ]	9,128,542		2,414,195	1,126,227		12,668,964
0.5556	Units/H	5.0000	Un/Shift *	0.0694 Unit/M	1,296.30		342.83	159.93		1,799.06

**10700 Sheer Key Pour Quan: 10.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TPCONC</u>	Tower Pylon Concrete Place		90.00 CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 11.00	Eqp Pcs: 19.00				
8AC1300	Air Compressor - 130	1.00	90.00 HR	131.450		4,320	7,511			11,831

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	

**BID ITEM = 5310200**

Description = Concrete Deck

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 10,985.000 Engr Quan: 0.000

8ADDSTM	Addon - Small Tool&	1.00	90.00	HR	2.650			194	45	239
8CNCBOOM	Concrete Pump Boom	1.00	90.00	HR	73.810			4,627	2,016	6,643
8CNCBUCK	Concrete Bucket	6.00	540.00	HR	2.270			794	432	1,226
8CNCCNV	Concrete Conveyer (5	1.00	90.00	HR	18.600			788	887	1,674
8CNCP	Concrete Pump - 250	1.00	90.00	HR	89.600			7,200	864	8,064
8CNCPE1	Concrete Place Equip	1.00	90.00	HR	44.800			3,600	432	4,032
8CNCPEQ2	Concrete Pumping Eq	1.00	90.00	HR	56.000			4,500	540	5,040
8CNCWT	Concrete Work Tools	1.00	90.00	HR	4.310			388		388
8CRNPLT	Crane Operating Platf	1.00	90.00	HR	70.000			4,500	1,800	6,300
8CRNTWR	LIBHERRTOWER 5	1.00	90.00	HR	277.000			20,430	4,500	24,930
8GEN1	GENSET 1000KW	1.00	90.00	HR	11.200			900	108	1,008
8PMPDISEL	Disel Tank and Pump	1.00	90.00	HR	30.000			2,250	450	2,700
8TPU	Pickup Truck	1.00	90.00	HR	9.870			303	585	888
CNC-A	Concrete Worker - Ap	3.00	270.00	MH	32.000	22,264				22,264
CNC-F	Concrete Worker - Fr	1.00	90.00	MH	36.000	7,883				7,883
CNC-J	Concrete Worker - Jo	3.00	270.00	MH	34.000	22,957				22,957
OP-2	Operator - Medium E	1.00	90.00	MH	43.500	8,748				8,748
OP-C	Operator - Concrete	1.00	90.00	MH	44.100	8,817				8,817
OP-CR2	Operator - Crane Hea	1.00	90.00	MH	47.300	9,187				9,187
OP-OIL	Equip Oiler	1.00	90.00	MH	43.780	8,781				8,781
\$163,598.81	99.0000 MH/EA	990.0000	MH	[ 3714.12 ]	88,637			54,793	20,169	163,599
0.1111	Units/H	1.0000	Un/Shift *	0.0101 Unit/M	8,863.69			5,479.29	2,016.90	16,359.88

**10800 Closure Pours** **Quan: 10.00 EA** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONC</u>	Concrete Place Marine		90.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 14.00	Eqp Pcs: 23.00			
8AC1300	Air Compressor - 130	1.00	90.00	HR	131.450		4,320	7,511		11,831
8ADDSTM	Addon - Small Tool&	1.00	90.00	HR	2.650		194	45		239
8BRGM1	MaterlBrg - 180'x54'x	1.00	90.00	HR	60.307		4,846	582		5,428

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 5310200</b>		Land Item		SCHEDULE: 1	100						
Description = Concrete Deck		Unit =		CY	Takeoff Quan:	10,985.000	Engr Quan:	0.000			
8BRGSS	Barge Spud System -	2.00	180.00 HR	11.200				1,800	216		2,016
8CNCBOOM	Concrete Pump Boom	1.00	90.00 HR	73.810				4,627	2,016		6,643
8CNCBUCK	Concrete Bucket	6.00	540.00 HR	2.270				794	432		1,226
8CNCCNV	Concrete Conveyer (5	1.00	90.00 HR	18.600				788	887		1,674
8CNCP	Concrete Pump - 250	1.00	90.00 HR	89.600				7,200	864		8,064
8CNCPE1	Concrete Place Equip	1.00	90.00 HR	44.800				3,600	432		4,032
8CNCPEQ2	Concrete Pumping Eq	1.00	90.00 HR	56.000				4,500	540		5,040
8CNCTMRI	Tremi Pipe	1.00	90.00 HR	45.000				3,150	900		4,050
8CNCWT	Concrete Work Tools	1.00	90.00 HR	4.310				388			388
8CRN130T	Grove RT9120E	1.00	90.00 HR	50.400				4,050	486		4,536
8CRNM100T	Manitowoc 11000 10	1.00	90.00 HR	150.000				9,000	4,500		13,500
8GEN1	GENSET 1000KW	1.00	90.00 HR	11.200				900	108		1,008
8PMPDISEL	Disel Tank and Pump	1.00	90.00 HR	30.000				2,250	450		2,700
8TPU	Pickup Truck	1.00	90.00 HR	9.870				303	585		888
CNC-A	Concrete Worker - Ap	3.00	270.00 MH	32.000	22,264						22,264
CNC-F	Concrete Worker - Fr	1.00	90.00 MH	36.000	7,883						7,883
CNC-J	Concrete Worker - Jo	3.00	270.00 MH	34.000	22,957						22,957
LONG-1	Longshoreman - Deck	2.00	180.00 MH	40.000	16,689						16,689
OP-2	Operator - Medium E	1.00	90.00 MH	43.500	8,748						8,748
OP-C	Operator - Concrete	1.00	90.00 MH	44.100	8,817						8,817
OP-CR1	Operator - Crane Med	1.00	90.00 MH	46.300	9,071						9,071
OP-OIL	Equip Oiler	2.00	180.00 MH	43.780	17,561						17,561
\$187,252.55	126.0000 MH/EA	1,260.0000	MH	[ 4819.14 ]	113,991			52,709	20,553		187,253
0.1111	Units/H	1.0000	Un/Shift *	0.0079 Unit/M	11,399.10			5,270.91	2,055.25		18,725.26

**10900 Grind Deck Quan: 115,200.00 SF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

4GDECK	Grind Deck Sub	115,200.00 SF	1.500					172,800	172,800
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**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5310200**

Description = Concrete Deck

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 10,985.000 Engr Quan: 0.000

**11000 QA / QC Deck Quan: 115,200.00 SF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>INS</u>	Inspection Crew - 1x		180.00	CH	<b>Prod: 20.0000 S</b>	Lab Pcs: 4.00	Eqp Pcs: 2.00			
8ADDSTM	Addon - Small Tool&	1.00	180.00	HR	2.650		387	90		477
8WLDINS	Radiograph - Weld Q	1.00	180.00	HR	95.000		12,240	4,860		17,100
QA	Quality Assurance Ins	2.00	360.00	MH	50.000	37,993				37,993
QC	Quality Control Insp	2.00	360.00	MH	50.000	37,993				37,993
\$93,562.20	0.0062 MH/SF		720.0000	MH	[ 0.313 ]	75,985	12,627	4,950		93,562
640.0000	Units/H	5,760.0000	Un/Shift	160.0000	Unit/M	0.66	0.11	0.04		0.81

**=====> Item Totals: 5310200 - Concrete Deck**

\$29,133,434.33	11.2221 MH/CY	123,274.80	MH	[ 430.246 ]	11,167,095	11,995,545	3,980,937	1,817,057	172,800	<b>29,133,434</b>
2,652.111	10985 CY				1,016.58	1,091.99	362.40	165.41	15.73	2,652.11

**BID ITEM = 5310300**

Description = Drop in Segments - Main Span

Land Item SCHEDULE: 1 100  
Unit = TON Takeoff Quan: 526.000 Engr Quan: 0.000

**10100 Transport Segments Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>TRNS</u>	Material Transport Marine		9.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 10.00			
2STEELFAB	Steel Fabricated Mem		450.00	TON	5,000.000	2,250,000				2,250,000
8ADDSTM	Addon - Small Tool&	1.00	9.00	HR	2.650		19	5		24
8BOATT1	Tug - 3000HP	2.00	18.00	HR	105.538		1,696	204		1,900
8BRGM1	MaterlBrg - 180'x54'x	2.00	18.00	HR	60.307		969	116		1,086
8BRGSPD	Mooring, Anchoring a	1.00	9.00	HR	35.000		225	90		315
8CRN130T	Grove RT9120E	1.00	9.00	HR	50.400		405	49		454



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310300</b>		Land Item		SCHEDULE: 1	100					
Description = Drop in Segments - Main Span		Unit = TON		Takeoff Quan:	526.000	Engr Quan:	0.000			
8CRNGRDL	Gradall Support Lift	1.00	9.00 HR	74.000			522	144		666
8CRNM200T	Manitowoc 777 200T	1.00	9.00 HR	220.000			1,350	630		1,980
8TPU	Pickup Truck	1.00	9.00 HR	9.870			30	59		89
DB-A	Dockbuilder - Appren	2.00	18.00 MH	17.840	1,158					1,158
DB-F	Dockbuilder - Forema	0.50	4.50 MH	47.610	461					461
DB-GF	Dockbuilder- General	0.50	4.50 MH	50.610	478					478
DB-R	Dockbuilder - Rigger	2.00	18.00 MH	45.610	1,798					1,798
LONG-1	Longshoreman - Deck	2.00	18.00 MH	40.000	1,669					1,669
LONG-2	Longshoreman - Oper	2.00	18.00 MH	43.500	1,750					1,750
OP-CR1	Operator - Crane Med	1.00	9.00 MH	46.300	907					907
OP-CR2	Operator - Crane Hea	1.00	9.00 MH	47.300	919					919
OP-OIL	Equip Oiler	2.00	18.00 MH	43.780	1,756					1,756
\$2,267,408.39	117.0000 MH/EA	117.0000	MH	[ 4717.54 ]	10,896	2,250,000	5,217	1,295		2,267,408
0.1111	Units/H	1.0000	Un/Shift *	0.0085 Unit/M	10,895.90	2,250,000.00	5,217.06	1,295.43		2,267,408.39

**10200** **Locate, Position, Secure Barge** **Quan: 2.00 EA** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CRN B</u>	Barge Crane Crew	72.00	CH	<b>Prod: 0.2500 US</b>	Lab Pcs: 6.00	Eqp Pcs: 2.00				
8CRNR1	Manitowoc 888 Ring	1.00	72.00 HR	494.824		31,810	3,817			35,627
8CRNRIG	Crane Rigging Equip	1.00	72.00 HR	30.000		1,800	360			2,160
IRW-B	Iron Worker - Bolter	1.00	72.00 MH	33.900	6,113					6,113
IRW-F	Iron Worker - Forema	1.00	72.00 MH	36.900	6,389					6,389
IRW-J	Iron Worker - Rigger	1.00	72.00 MH	33.900	6,113					6,113
MECH-J	Mechanic - Master	1.00	72.00 MH	37.490	6,444					6,444
OP-CR2	Operator - Crane Hea	1.00	72.00 MH	47.300	7,349					7,349
OP-OIL	Equip Oiler	1.00	72.00 MH	43.780	7,024					7,024
\$77,219.55	216.0000 MH/EA	432.0000	MH	[ 8397.72 ]	39,432	33,610	4,177			77,220
0.0278	Units/H	0.2500	Un/Shift *	0.0046 Unit/M	19,716.10	16,805.08	2,088.61			38,609.78

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
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**BID ITEM = 5310300**

Description = Drop in Segments - Main Span

Land Item SCHEDULE: 1 100  
Unit = TON Takeoff Quan: 526.000 Engr Quan: 0.000

**10300 Relocate Strand Jacks Quan: 4.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STJK</u>	Strand Jack Crew		144.00	CH	<b>Prod: 0.2500 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00		
8AC900	Air Compressor - 900	1.00	144.00	HR	88.850		5,040	7,754	12,794
8ADDSTM	Addon - Small Tool&	1.00	144.00	HR	2.650		310	72	382
8CRNSTJ	Strand Jack - hydrauli	1.00	144.00	HR	175.000		18,000	7,200	25,200
8GEN1000	Generators 1000 KW	1.00	144.00	HR	35.000		2,880	2,160	5,040
8STLBOL	Hydraulic Bolt Tools	1.00	144.00	HR	20.000		2,160	720	2,880
ELEC-J	Electricain - Journey	1.00	144.00	MH	40.000	13,351			13,351
IRW-B	Iron Worker - Bolter	2.00	288.00	MH	33.900	24,450			24,450
IRW-F	Iron Worker - Forema	1.00	144.00	MH	36.900	12,779			12,779
IRW-J	Iron Worker - Rigger	2.00	288.00	MH	33.900	24,450			24,450
MECH-J	Mechanic - Master	1.00	144.00	MH	37.490	12,888			12,888
OP-3	Operator - Heavy Equ	1.00	144.00	MH	45.670	14,398			14,398
OP-OIL	Equip Oiler	1.00	144.00	MH	43.780	14,049			14,049
\$162,660.67	324.0000 MH/EA	1,296.0000	MH	[ 12219.84 ]	116,365		28,390	17,906	162,661
0.0278	Units/H	0.2500	Un/Shift *	0.0031	Unit/M	29,091.17	7,097.40	4,476.60	40,665.17

**10400 Strand Jack Connect Quan: 4.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>STJK</u>	Strand Jack Crew		18.00	CH	<b>Prod: 2.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00		
8AC900	Air Compressor - 900	1.00	18.00	HR	88.850		630	969	1,599
8ADDSTM	Addon - Small Tool&	1.00	18.00	HR	2.650		39	9	48
8CRNSTJ	Strand Jack - hydrauli	1.00	18.00	HR	175.000		2,250	900	3,150
8GEN1000	Generators 1000 KW	1.00	18.00	HR	35.000		360	270	630
8STLBOL	Hydraulic Bolt Tools	1.00	18.00	HR	20.000		270	90	360
ELEC-J	Electricain - Journey	1.00	18.00	MH	40.000	1,669			1,669
IRW-B	Iron Worker - Bolter	2.00	36.00	MH	33.900	3,056			3,056
IRW-F	Iron Worker - Forema	1.00	18.00	MH	36.900	1,597			1,597

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310300</b>		Land Item		SCHEDULE: 1	100					
Description = Drop in Segments - Main Span		Unit = TON		Takeoff Quan:	526.000	Engr Quan:	0.000			
IRW-J	Iron Worker - Rigger	2.00	36.00 MH	33.900	3,056					3,056
MECH-J	Mechanic - Master	1.00	18.00 MH	37.490	1,611					1,611
OP-3	Operator - Heavy Equ	1.00	18.00 MH	45.670	1,800					1,800
OP-OIL	Equip Oiler	1.00	18.00 MH	43.780	1,756					1,756
\$20,332.58	40.5000 MH/EA	162.0000	MH	[ 1527.48 ]	14,546		3,549	2,238		20,333
0.2222	Units/H	2.0000	Un/Shift *	0.0247 Unit/M	3,636.40		887.18	559.58		5,083.15
<hr/>										
<b>10500</b>	<b>Lift Segment</b>	<b>Quan: 1.00 EA</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>STJK</u>	Strand Jack Crew	9.00	CH	<b>Prod: 1.0000 US</b>	Lab Pcs: 9.00	Eqp Pcs: 5.00				
8AC900	Air Compressor - 900	1.00	9.00 HR	88.850		315	485			800
8ADDSTM	Addon - Small Tool&	1.00	9.00 HR	2.650		19	5			24
8CRNSTJ	Strand Jack - hydrauli	1.00	9.00 HR	175.000		1,125	450			1,575
8GEN1000	Generators 1000 KW	1.00	9.00 HR	35.000		180	135			315
8STLBOL	Hydraulic Bolt Tools	1.00	9.00 HR	20.000		135	45			180
ELEC-J	Electricain - Journey	1.00	9.00 MH	40.000	834					834
IRW-B	Iron Worker - Bolter	2.00	18.00 MH	33.900	1,528					1,528
IRW-F	Iron Worker - Forema	1.00	9.00 MH	36.900	799					799
IRW-J	Iron Worker - Rigger	2.00	18.00 MH	33.900	1,528					1,528
MECH-J	Mechanic - Master	1.00	9.00 MH	37.490	805					805
OP-3	Operator - Heavy Equ	1.00	9.00 MH	45.670	900					900
OP-OIL	Equip Oiler	1.00	9.00 MH	43.780	878					878
\$10,166.28	81.0000 MH/EA	81.0000	MH	[ 3054.96 ]	7,273		1,774	1,119		10,166
0.1111	Units/H	1.0000	Un/Shift *	0.0123 Unit/M	7,272.78		1,774.35	1,119.15		10,166.28
<hr/>										
<b>10600</b>	<b>Splice Connections</b>	<b>Quan: 5,000.00 EA</b>		<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
<u>BOLT</u>	Steel Bolt Crew	90.00	CH	<b>Prod: 500.0000 US</b>	Lab Pcs: 13.00	Eqp Pcs: 12.00				
8AC1600	Air Compressor - 160	1.00	90.00 HR	135.200		4,590	7,578			12,168
8ADDSTM	Addon - Small Tool&	5.00	450.00 HR	2.650		968	225			1,193

\*\*Unreviewed

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<hr/>											
<b>BID ITEM = 5310300</b>				Land Item	SCHEDULE: 1	100					
Description = Drop in Segments - Main Span				Unit = TON	Takeoff Quan:	526.000	Engr Quan:		0.000		
8GEN1000	Generators 1000 KW	1.00	90.00 HR	35.000				1,800	1,350		3,150
8SBOLTT	Steel Bolt Tools	5.00	450.00 HR	20.000				6,750	2,250		9,000
IRW-A	Iron Worker - Appren	2.00	180.00 MH	25.000	13,228						13,228
IRW-B	Iron Worker - Bolter	10.00	900.00 MH	33.900	76,407						76,407
IRW-F	Iron Worker - Forema	1.00	90.00 MH	36.900	7,987						7,987
\$123,131.81	0.2340 MH/EA	1,170.0000	MH	[ 7.666 ]	97,621			14,108	11,403		123,132
55.5556	Units/H	500.0000	Un/Shift *	4.2735 Unit/M	19.52			2.82	2.28		24.63
<hr/>											
<b>10700</b>	<b>Inspect Segment</b>			<b>Quan: 1.00 EA</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
											**Unreviewed
<u>INS</u>	Inspection Crew - 1x		18.00 CH	<b>Prod: 0.5000 US</b>	Lab Pcs:	4.00	Eqp Pcs:	2.00			
8ADDSTM	Addon - Small Tool&	1.00	18.00 HR	2.650			39	9			48
8WLDINS	Radiograph - Weld Q	1.00	18.00 HR	95.000			1,224	486			1,710
QA	Quality Assurance Ins	2.00	36.00 MH	50.000	3,799						3,799
QC	Quality Control Insp	2.00	36.00 MH	50.000	3,799						3,799
\$9,356.22	72.0000 MH/EA	72.0000	MH	[ 3600 ]	7,599		1,263	495			9,356
0.0556	Units/H	0.5000	Un/Shift *	0.0139 Unit/M	7,598.52		1,262.70	495.00			9,356.22
<hr/>											
=====> <b>Item Totals: 5310300 - Drop in Segments - Main Span</b>											
\$2,670,275.50	6.3307 MH/TON	3,330.00	MH	[ 230.966 ]	293,731	2,250,000	87,910	38,634			<b>2,670,276</b>
5,076.569	526 TON				558.42	4,277.57	167.13	73.45			5,076.57
<hr/>											

**BID ITEM = 5310500** Land Item SCHEDULE: 1 100  
Description = Remove Temp Supports Unit = EA Takeoff Quan: 1.000 Engr Quan: 0.000

**10100 Furnish Material** **Quan: 1.00 EA** **Hrs/Shft: 9.00** **Cal: 510** **WC:NYGEN**

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5310500**

Description = Remove Temp Supports

Land Item SCHEDULE: 1 100  
Unit = EA Takeoff Quan: 1.000 Engr Quan: 0.000

*There are no cost resources for this activity.*

**10200 Dismantle Temp Support Structures Quan: 1.00 EA Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CRN B</u>	Barge Crane Crew	180.00	CH	<b>Prod: 20.0000 S</b>	Lab Pcs: 6.00	Eqp Pcs: 2.00			
8CRNR1	Manitowoc 888 Ring	1.00	180.00 HR	494.824		79,525	9,543		89,068
8CRNRIG	Crane Rigging Equip	1.00	180.00 HR	30.000		4,500	900		5,400
IRW-B	Iron Worker - Bolter	1.00	180.00 MH	33.900	15,281				15,281
IRW-F	Iron Worker - Forema	1.00	180.00 MH	36.900	15,974				15,974
IRW-J	Iron Worker - Rigger	1.00	180.00 MH	33.900	15,281				15,281
MECH-J	Mechanic - Master	1.00	180.00 MH	37.490	16,110				16,110
OP-CR2	Operator - Crane Hea	1.00	180.00 MH	47.300	18,373				18,373
OP-OIL	Equip Oiler	1.00	180.00 MH	43.780	17,561				17,561
\$193,048.80	1,080.0000 MH/EA	1,080.0000	MH	[ 41988.6 ]	98,580	84,025	10,443		193,049
0.0056	Units/H	0.0500	Un/Shift	0.0009 Unit/M	98,580.38	84,025.38	10,443.04		193,048.80

=====> **Item Totals: 5310500 - Remove Temp Supports**

\$193,048.80	1,080.0000 MH/EA	1,080.00	MH	[ 41988.6 ]	98,580	84,025	10,443		<b>193,049</b>
193,048.800	1 EA				98,580.38	84,025.38	10,443.04		193,048.80

**Total of Above Sub-Biditems**

=====> **Item Totals: 5310000 - Main Span Superstructure**

\$79,158,655.31	35.7590 MH/TON	261,148.52	MH	[ 1352.867 ]	23,487,149	44,871,045	7,156,080	3,471,582	172,800	79,158,655
10,839.197	7303 TON				3,216.10	6,144.19	979.88	475.36	23.66	10,839.20

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5310500</b>			Land Item	SCHEDULE: 1	100					
Description = Remove Temp Supports				Unit = EA	Takeoff Quan:	1.000	Engr Quan:	0.000		
<b>Total of Above Sub-Biditems</b>										
<hr/>										
=====> Item Totals:	<b>5300000 - Main Span - Final Build - Superstructure</b>									
<b>\$79,158,655.31</b>	<b>29.8319 MH/TON</b>	<b>261,148.52</b>	<b>MH</b>	<b>[ 1128.625 ]</b>	<b>23,487,149</b>	<b>44,871,045</b>	<b>7,156,080</b>	<b>3,471,582</b>	<b>172,800</b>	<b>79,158,655</b>
<b>9,042.570</b>	<b>8754 TON</b>				<b>2,683.02</b>	<b>5,125.78</b>	<b>817.46</b>	<b>396.57</b>	<b>19.74</b>	<b>9,042.57</b>
<hr/>										
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**PARENT ITEM 5500000**  
Description = Final Build - Transit Implementation Unit = TF Takeoff Quan: 32,000.000 Engr Quan: 32,000.000

**Listing of Sub-Biditems of Parent Item 5500000:**

**BID ITEM = 5520000** Land Item SCHEDULE: 1 100  
Description = Concrete Guideway Unit = CY Takeoff Quan: 5,000.000 Engr Quan: 0.000

10100	Transport Materials	Quan: 5,000.00			CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN		
										**Unreviewed
<u>TRNSL</u>	Material Transport Land	81.08	CH	Prod: 554.9999		US	Lab Pcs: 8.00	Eqp Pcs: 6.00		
8ADDSTM	Addon - Small Tool&	1.00	81.08	HR	2.650			174	41	215
8CRN130T	Grove RT9120E	1.00	81.08	HR	50.400			3,649	438	4,086
8CRNGRDL	Gradall Support Lift	1.00	81.08	HR	74.000			4,703	1,297	6,000
8CRNM100T	Manitowoc 11000 10	1.00	81.08	HR	150.000			8,108	4,054	12,162
8TPU	Pickup Truck	1.00	81.08	HR	9.870			273	527	800
8TSTLTRS	Heavy Transport Lan	1.00	81.08	HR	150.000			8,108	4,054	12,162
DB-A	Dockbuilder - Appren	2.00	162.16	MH	17.840		10,428	10,428		

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5520000</b>		Land Item		SCHEDULE: 1	100					
Description = Concrete Guideway		Unit =		CY	Takeoff Quan:	5,000.000	Engr Quan:	0.000		
DB-F	Dockbuilder - Forema	0.50	40.54 MH	47.610	4,154					4,154
DB-GF	Dockbuilder- General	0.50	40.54 MH	50.610	4,310					4,310
DB-R	Dockbuilder - Rigger	2.00	162.16 MH	45.610	16,201					16,201
OP-3	Operator - Heavy Equ	1.00	81.08 MH	45.670	8,107					8,107
OP-LHD	Operator - Load, Haul	1.00	81.08 MH	45.000	8,037					8,037
OP-OIL	Equip Oiler	1.00	81.08 MH	43.780	7,910					7,910
\$94,573.25	0.1297 MH/CY	648.6400	MH	[ 5.034 ]	59,148		25,015	10,411		94,573
61.6675	Units/H	555.0074	Un/Shift *	7.7084 Unit/M	11.83		5.00	2.08		18.91

**10600 Form Side Walls** **Quan: 192,000.00 SF** **Hrs/Shft: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>FORML</u>	Form Crew Land	1,600.00	CH	<b>Prod: 15.0000 UM</b>	Lab Pcs:	8.00	Eqp Pcs:	14.00	
2FORM	Form	192,000.00	SF	2.500	480,000				480,000
8AC900	Air Compressor - 900	1.00	1,600.00	HR			56,000	86,160	142,160
8ADDSTM	Addon - Small Tool&	1.00	1,600.00	HR			3,440	800	4,240
8CNCFORMS	Form Work System	1.00	1,600.00	HR			72,000	11,200	83,200
8CRN130T	Grove RT9120E	1.00	1,600.00	HR			72,000	8,640	80,640
8CRNM150T	Manitowoc 555 150 T	1.00	1,600.00	HR	187.000		200,000	99,200	299,200
8CRNMTS	Crane Timber Mats- 2	1.00	1,600.00	HR	30.153		43,077	5,169	48,246
8CRNRIG	Crane Rigging Equip	1.00	1,600.00	HR	30.000		40,000	8,000	48,000
8GEN1000	Generators 1000 KW	1.00	1,600.00	HR	35.000		32,000	24,000	56,000
8PMPDISEL	Disel Tank and Pump	1.00	1,600.00	HR	30.000		40,000	8,000	48,000
8SCAFFOLD	Scaffold	1.00	1,600.00	HR	14.000		19,200	3,200	22,400
8SCAFLD	Scaffold and Gangwa	1.00	1,600.00	HR	6.030		8,615	1,034	9,649
8TPU	Pickup Truck	1.00	1,600.00	HR	9.870		5,392	10,400	15,792
8WELDTRK	Weld Truck/ Marine	1.00	1,600.00	HR	55.000		80,000	8,000	88,000
8WLD500	Welder - 500 Amp Di	1.00	1,600.00	HR	13.810		2,096	20,000	22,096
CARP-A	Carpenter - Apprentic	1.00	1,600.00	MH	33.350	134,706			134,706
CARP-F	Carpenter - Foreman	1.00	1,600.00	MH	45.500	159,626			159,626

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
<b>BID ITEM = 5520000</b>		Land Item		SCHEDULE: 1	100					
Description = Concrete Guideway		Unit =		CY	Takeoff Quan:	5,000.000	Engr Quan:	0.000		
CARP-J	Carpenter - Journeym	1.00	1,600.00 MH	40.250	148,858					148,858
MECH-J	Mechanic - Master	1.00	1,600.00 MH	37.490	143,197					143,197
OP-CR1	Operator - Crane Med	2.00	3,200.00 MH	46.300	322,534					322,534
OP-OIL	Equip Oiler	1.00	1,600.00 MH	43.780	156,099					156,099
WELD-J	Welder - Journeyman	1.00	1,600.00 MH	43.400	155,319					155,319
\$2,667,963.84	0.0666 MH/SF	12,800.0000	MH	[ 2.803 ]	1,220,340	480,000	673,820	293,803		2,667,964
120.0000	Units/H	1,080.0000	Un/Shift	15.0000 Unit/M	*	6.36	2.50	3.51	1.53	13.90
<hr/>										
<b>10700</b>	<b>Rebar Side Walls</b>	<b>Quan: 2,000,000.00</b>		<b>LB</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>			
<u>REBARL</u>	Rebar Land Crew	285.71	CH	<b>Prod: 500.0000</b>	<b>UM</b>	Lab Pcs: 14.00	Eqp Pcs: 10.00			
2REBAR	Rebar	1,999,999.95	LB	0.500		1,000,000				1,000,000
8ADDSTM	Addon - Small Tool&	1.00	285.71 HR	2.650			614	143		757
8CRN130T	Grove RT9120E	1.00	285.71 HR	50.400			12,857	1,543		14,400
8CRNM200T	Manitowoc 777 200T	1.00	285.71 HR	220.000			42,857	20,000		62,856
8CRNRIG	Crane Rigging Equip	1.00	285.71 HR	30.000			7,143	1,429		8,571
8GEN1000	Generators 1000 KW	1.00	285.71 HR	35.000			5,714	4,286		10,000
8TPU	Pickup Truck	1.00	285.71 HR	9.870			963	1,857		2,820
8TT&T50T	Lowbed Tractor/Trail	1.00	285.71 HR	132.170			20,277	17,485		37,762
8WELDRK	Weld Truck/ Marine	1.00	285.71 HR	55.000			14,286	1,429		15,714
8WLD500	Welder - 500 Amp Di	2.00	571.43 HR	13.810			749	7,143		7,891
IRW-A	Iron Worker - Appren	2.00	571.43 MH	25.000	41,993					41,993
IRW-F	Iron Worker - Forema	1.00	285.71 MH	36.900	25,355					25,355
IRW-LR	Iron Worker - Lather/	4.00	1,142.86 MH	33.900	97,025					97,025
MECH-J	Mechanic - Master	1.00	285.71 MH	37.490	25,571					25,571
OP-CR1	Operator - Crane Med	1.00	285.71 MH	46.300	28,797					28,797
OP-CR2	Operator - Crane Hea	1.00	285.71 MH	47.300	29,164					29,164
OP-OIL	Equip Oiler	1.00	285.71 MH	43.780	27,874					27,874
TEAM-2	Teamster - 2	1.00	285.71 MH	48.550	29,621					29,621

\*\*Unreviewed



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5520000**

Description = Concrete Guideway

Land Item SCHEDULE: 1 100  
Unit = CY Takeoff Quan: 5,000.000 Engr Quan: 0.000

WELD-A	Welder - Apprentice	1.00	285.71 MH	37.400	25,538					25,538
WELD-J	Welder - Journeyman	1.00	285.71 MH	43.400	27,735					27,735
\$1,519,443.94	0.0019 MH/LB	3,999.9700	MH	[ 0.075 ]	358,672	1,000,000	105,458	55,314		1,519,444
7,000.1050	Units/H	63,000.9450	Un/Shift	500.0050 Unit/M *	0.18	0.50	0.05	0.03		0.76

**10800 Place Concrete Side Walls** **Quan: 5,000.00 CY** **Hrs/Shift: 9.00** **Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>CONCL</u>	Concrete Place Land	625.00	CH	Prod: 8.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 15.00	
2CONC	Concrete 5000 psi	5,000.00	CY	90.000	450,000		450,000
8AC1300	Air Compressor - 130	1.00	625.00	HR		30,000	52,156
8ADDSTM	Addon - Small Tool&	1.00	625.00	HR		1,344	313
8CNCBOOM	Concrete Pump Boom	1.00	625.00	HR		32,131	14,000
8CNCBUCK	Concrete Bucket	1.00	625.00	HR		919	500
8CNCCNV	Concrete Conveyer (5	1.00	625.00	HR		5,469	6,156
8CNCP	Concrete Pump - 250	1.00	625.00	HR		50,000	6,000
8CNCPE1	Concrete Place Equip	1.00	625.00	HR		25,000	3,000
8CNCPEQ2	Concrete Pumping Eq	1.00	625.00	HR		31,250	3,750
8CNCTRMI	Tremi Pipe	1.00	625.00	HR		21,875	6,250
8CNCWT	Concrete Work Tools	1.00	625.00	HR		2,694	
8CRN130T	Grove RT9120E	1.00	625.00	HR		28,125	3,375
8CRNM100T	Manitowoc 11000 10	1.00	625.00	HR		62,500	31,250
8GEN1	GENSET 1000KW	1.00	625.00	HR		6,250	750
8PMPDISEL	Disel Tank and Pump	1.00	625.00	HR		15,625	3,125
8TPU	Pickup Truck	1.00	625.00	HR		2,106	4,063
CNC-A	Concrete Worker - Ap	3.00	1,875.00	MH	154,614		154,614
CNC-F	Concrete Worker - Fr	1.00	625.00	MH	54,743		54,743
CNC-J	Concrete Worker - Jo	3.00	1,875.00	MH	159,421		159,421
OP-2	Operator - Medium E	1.00	625.00	MH	60,752		60,752
OP-C	Operator - Concrete	1.00	625.00	MH	61,232		61,232

**DIRECT COST REPORT**

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total		
<hr/>													
<b>BID ITEM = 5520000</b>				Land Item	SCHEDULE: 1	100							
Description = Concrete Guideway				Unit =	CY	Takeoff Quan:	5,000.000	Engr Quan:	0.000				
OP-CR1	Operator - Crane Med	1.00	625.00 MH	46.300	62,995						62,995		
OP-OIL	Equip Oiler	2.00	1,250.00 MH	43.780	121,952						121,952		
\$1,575,683.88	1.5000 MH/CY	7,500.0000	MH	[ 56.933 ]	675,709	450,000	315,288	134,688			1,575,684		
8.0000	Units/H*	72.0000	Un/Shift	0.6667 Unit/M	135.14	90.00	63.06	26.94			315.14		
<hr/>													
<b>10900</b>	<b>Cure Concrete Side Walls</b>				<b>Quan: 5,000.00 CY</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>					
<hr/>													
<u>CURE</u>	Concrete Cure Crew	625.00	CH	<b>Prod: 8.0000 UH</b>	Lab Pcs:	5.00	Eqp Pcs:	6.00	**Unreviewed				
8AC900	Air Compressor - 900	1.00	625.00 HR	88.850						21,875	33,656	55,531	
8ADDSTM	Addon - Small Tool&	1.00	625.00 HR	2.650						1,344	313	1,656	
8CNCCURE	Concrete Cure Equip	1.00	625.00 HR	80.000						40,625	9,375	50,000	
8CNCWT	Concrete Work Tools	1.00	625.00 HR	4.310						2,694		2,694	
8PMPDISEL	Disel Tank and Pump	1.00	625.00 HR	30.000						15,625	3,125	18,750	
8TPU	Pickup Truck	1.00	625.00 HR	9.870						2,106	4,063	6,169	
CONF-A	Conc Finisher - Appre	2.00	1,250.00 MH	30.450	100,592								
CONF-F	Conc Finisher - Fore	1.00	625.00 MH	41.190	58,901								
CONF-J	Conc Finisher - Journ	2.00	1,250.00 MH	36.700	110,607								
\$404,900.40	0.6250 MH/CY	3,125.0000	MH	[ 21.936 ]	270,100						84,269	50,531	404,900
8.0000	Units/H*	72.0000	Un/Shift	1.6000 Unit/M	54.02						16.85	10.11	80.98
<hr/>													
=====> <b>Item Totals: 5520000 - Concrete Guideway</b>													
\$6,262,565.31	5.6147 MH/CY	28,073.61	MH	[ 221.64 ]	2,583,969	1,930,000	1,203,850	544,746			<b>6,262,565</b>		
1,252.513	5000 CY				516.79	386.00	240.77	108.95			1,252.51		
<hr/>													
<b>BID ITEM = 5530000</b>													
Description = Walkway: 2" Filled Steel Grid Deck													
				Land Item	SCHEDULE: 1	100							
				Unit =	SF	Takeoff Quan:	80,000.000	Engr Quan:	0.000				

\*\*Unreviewed

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5530000**

Description = Walkway: 2" Filled Steel Grid Deck

Land Item

SCHEDULE: 1  
Unit = SF

100

Takeoff Quan: 80,000.000

Engr Quan:

0.000

**10100 Walkway: 2" Filled Steel Grid Deck Quan: 80,000.00 SF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

4STLGRD2" 2" Filled Steel Grid D 80,000.00 SF 12.000 960,000 960,000

**BID ITEM = 5540000**

Description = Roadway: 5" Half Steel Grid Deck

Land Item

SCHEDULE: 1  
Unit = SF

100

Takeoff Quan: 160,000.000

Engr Quan:

0.000

**10100 Roadway: 5" Half Steel Grid Deck Quan: 160,000.00 SF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

4STLGRID5" 5" Half Steel Grid De 160,000.00 SF 18.000 2,880,000 2,880,000

**BID ITEM = 5550000**

Description = Track and Signals

Land Item

SCHEDULE: 1  
Unit = LF

100

Takeoff Quan: 16,000.000

Engr Quan:

0.000

**10100 Furnish Rail Quan: 32,000.00 TF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

2RAIL Rail 136 RE 32,000.00 TF 60.200 1,926,400 1,926,400

**10200 Plinth Rebar Quan: 307,651.00 LB Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

RPLR Rail - Plinth Rebar 87.90 CH **Prod: 499.9999 UM** Lab Pcs: 7.00 Eqp Pcs: 4.00  
2REBAR Rebar 307,651.00 LB 0.500 153,826 153,826  
8AC900 Air Compressor - 900 1.00 87.90 HR 88.850 3,077 4,733 7,810  
8ADDSTM Addon - Small Tool& 1.00 87.90 HR 2.650 189 44 233

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<b>BID ITEM = 5550000</b>			Land Item	SCHEDULE: 1	100						
Description = Track and Signals				Unit = LF	Takeoff Quan:	16,000.000		Engr Quan:		0.000	
8CRNG20T	Grove RT58E 20 Ton	1.00	87.90 HR	70.000				4,395	1,758		6,153
8TPU	Pickup Truck	1.00	87.90 HR	9.870				296	571		868
IRW-F	Iron Worker - Forema	1.00	87.90 MH	36.900	7,800						7,800
IRW-J	Iron Worker - Rigger	1.00	87.90 MH	33.900	7,462						7,462
IRW-LR	Iron Worker - Lather/	5.00	439.50 MH	33.900	37,312						37,312
\$221,463.72	0.0019 MH/LB	615.3000	MH	[ 0.069 ]	52,575	153,826		7,957	7,107		221,464
3,500.0114	Units/H	31,500.1024	Un/Shift	500.0025 Unit/M	*	0.17	0.50	0.03	0.02		0.72
10300	Form Plinths			Quan: 32,000.00	TF	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
											**Unreviewed
RPLF	Rail - Plinth Form Crew		3,733.33 CH	Prod: 0.7000	MU	Lab Pcs: 6.00		Eqp Pcs: 4.00			
2FORMPLNTH	Plinth Form	32,000.00	TF	1.000		32,000					32,000
8AC900	Air Compressor - 900	1.00	3,733.33 HR	88.850				130,667	201,040		331,706
8ADDSTM	Addon - Small Tool&	1.00	3,733.33 HR	2.650				8,027	1,867		9,893
8CRNG20T	Grove RT58E 20 Ton	1.00	3,733.33 HR	70.000				186,667	74,667		261,333
8TPU	Pickup Truck	1.00	3,733.33 HR	9.870				12,581	24,267		36,848
CARP-F	Carpenter - Foreman	1.00	3,733.33 MH	45.500	372,461						372,461
CARP-J	Carpenter - Journeym	4.00	14,933.33 MH	40.250	1,389,344						1,389,344
OP-CR1	Operator - Crane Med	1.00	3,733.33 MH	46.300	376,290						376,290
\$2,809,875.91	0.6999 MH/TF	22,399.9900	MH	[ 29.493 ]	2,138,095	32,000		337,941	301,840		2,809,876
8.5714	Units/H	77.1429	Un/Shift	1.4286 Unit/M	66.82	1.00		10.56	9.43		87.81
10400	Pour and Finish Plinth Conc			Quan: 32,000.00	CY	Hrs/Shft: 9.00	Cal: 510	WC:NYGEN			
											**Unreviewed
RPLC	Rail - Plinth Concrete		1,120.00 CH	Prod: 0.4200	MU	Lab Pcs: 12.00		Eqp Pcs: 9.00			
2CONC	Concrete 5000 psi	32,000.00	CY	90.000		2,880,000					2,880,000
8AC900	Air Compressor - 900	1.00	1,120.00 HR	88.850				39,200	60,312		99,512
8ADDSTM	Addon - Small Tool&	1.00	1,120.00 HR	2.650				2,408	560		2,968
8CNCBOOM	Concrete Pump Boom	1.00	1,120.00 HR	73.810				57,579	25,088		82,667
8CNCCNV	Concrete Conveyer (5	1.00	1,120.00 HR	18.600				9,800	11,032		20,832

**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 5550000**

Description = Track and Signals

Land Item SCHEDULE: 1 100  
Unit = LF Takeoff Quan: 16,000.000 Engr Quan: 0.000

8CNCCURE	Concrete Cure Equip	1.00	1,120.00	HR	80.000			72,800	16,800	89,600
8CNCP50	Concrete Pump - 50 c	1.00	1,120.00	HR	18.760			16,094	4,917	21,011
8CNCPE1	Concrete Place Equip	1.00	1,120.00	HR	44.800			44,800	5,376	50,176
8CNCWT	Concrete Work Tools	1.00	1,120.00	HR	4.310			4,827		4,827
8CRNG20T	Grove RT58E 20 Ton	1.00	1,120.00	HR	70.000			56,000	22,400	78,400
CNC-F	Concrete Worker - Fr	1.00	1,120.00	MH	36.000	98,099				98,099
CNC-J	Concrete Worker - Jo	4.00	4,480.00	MH	34.000	380,910				380,910
CONF-J	Conc Finisher - Journ	4.00	4,480.00	MH	36.700	396,416				396,416
CONF-N	Conc Finisher - Nozzl	1.00	1,120.00	MH	38.000	100,970				100,970
OP-CR1	Operator - Crane Med	1.00	1,120.00	MH	46.300	112,887				112,887
OP-OIL	Equip Oiler	1.00	1,120.00	MH	43.780	109,269				109,269
\$4,528,545.33	0.4200 MH/CY	13,440.0000	MH	[ 15.641 ]	1,198,552	2,880,000		303,509	146,485	4,528,545
28.5714	Units/H	257.1429	Un/Shift	2.3810	Unit/M	37.45	90.00	9.48	4.58	141.52

**10500 Dist & Set Fasteners Quan: 32,000.00 TF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

RTK7	Rail Track Crew - 7 man		520.00	CH	Prod: 0.1300 MU	Lab Pcs: 8.00	Eqp Pcs: 4.00			
2RAILFASNER	Rail Fasteners	32,000.00	TF	122.000		3,904,000				3,904,000
8AC900	Air Compressor - 900	1.00	520.00	HR	88.850			18,200	28,002	46,202
8ADDSTM	Addon - Small Tool&	1.00	520.00	HR	2.650			1,118	260	1,378
8CRNG20T	Grove RT58E 20 Ton	1.00	520.00	HR	70.000			26,000	10,400	36,400
8TPU	Pickup Truck	1.00	520.00	HR	9.870			1,752	3,380	5,132
TR-L	Track Labor	1.00	520.00	MH	32.000	42,880				42,880
TR-LF	Track Labor Foreman	7.00	3,640.00	MH	34.000	309,490				309,490
\$4,345,481.56	0.1300 MH/TF	4,160.0000	MH	[ 4.388 ]	352,369	3,904,000		47,070	42,042	4,345,482
61.5385	Units/H	553.8462	Un/Shift	7.6923	Unit/M	11.01	122.00	1.47	1.31	135.80

**10600 Unload & Temp Fasten Rail Quan: 16,000.00 TF Hrs/Shft: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

RUH	Rail Unload Haul		100.00	CH	Prod: 1,440.0000 US	Lab Pcs: 7.00	Eqp Pcs: 6.00			
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**DIRECT COST REPORT**

Activity	Description	Quantity	Unit	Unit	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Contract	Total

**BID ITEM = 5550000**

Description = Track and Signals

Land Item SCHEDULE: 1 100  
Unit = LF Takeoff Quan: 16,000.000 Engr Quan: 0.000

8AC900	Air Compressor - 900	1.00	100.00	HR	88.850			3,500	5,385	8,885
8ADDSTM	Addon - Small Tool&	1.00	100.00	HR	2.650			215	50	265
8CRNG40T	Grove RT640E 40 To	1.00	100.00	HR	110.000			8,000	3,000	11,000
8CRNRIG	Crane Rigging Equip	1.00	100.00	HR	30.000			2,500	500	3,000
8CRNRSW	Speed Swing	1.00	100.00	HR	69.750			6,000	975	6,975
8TPU	Pickup Truck	1.00	100.00	HR	9.870			337	650	987
OP-CR1	Operator - Crane Med	1.00	100.00	MH	46.300	10,079				10,079
OP-OIL	Equip Oiler	1.00	100.00	MH	43.780	9,756				9,756
TR-L	Track Labor	1.00	100.00	MH	32.000	8,246				8,246
TR-LF	Track Labor Foreman	4.00	400.00	MH	34.000	34,010				34,010
\$93,203.28	0.0437 MH/TF	700.0000	MH	[ 1.613 ]	62,091			20,552	10,560	93,203
160.0000	Units/H	1,440.0000	Un/Shift *	22.8571	Unit/M	3.88		1.28	0.66	5.83

**10700 Fasten Surf, Align, Destress Rail Quan: 32,000.00 TF Hrs/Shift: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>RTK7</u>	Rail Track Crew - 7 man		1,400.00	CH	<b>Prod: 0.3500 MU</b>	Lab Pcs: 8.00	Eqp Pcs: 4.00			
8AC900	Air Compressor - 900	1.00	1,400.00	HR	88.850			49,000	75,390	124,390
8ADDSTM	Addon - Small Tool&	1.00	1,400.00	HR	2.650			3,010	700	3,710
8CRNG20T	Grove RT58E 20 Ton	1.00	1,400.00	HR	70.000			70,000	28,000	98,000
8TPU	Pickup Truck	1.00	1,400.00	HR	9.870			4,718	9,100	13,818
TR-L	Track Labor	1.00	1,400.00	MH	32.000	115,445				115,445
TR-LF	Track Labor Foreman	7.00	9,800.00	MH	34.000	833,241				833,241
\$1,188,604.20	0.3500 MH/TF	11,200.0000	MH	[ 11.813 ]	948,686			126,728	113,190	1,188,604
22.8571	Units/H	205.7143	Un/Shift	2.8571	Unit/M	29.65		3.96	3.54	37.14

**10800 Field Weld Rail Quan: 1,280.00 EA Hrs/Shift: 9.00 Cal: 510 WC:NYGEN**

\*\*Unreviewed

<u>WLD</u>	Weld Crew		1,066.66	CH	<b>Prod: 5.0000 MU</b>	Lab Pcs: 6.00	Eqp Pcs: 6.00			
2RAILWLD	Rail Weld Material		1,280.00	EA	121.000	154,880				154,880
8ADDSTM	Addon - Small Tool&	1.00	1,066.67	HR	2.650			2,293	533	2,827

## DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs										Contract	Total
<hr/>													
<b>BID ITEM = 5550000</b>			Land Item	SCHEDULE: 1	100								
Description = Track and Signals				Unit = LF	Takeoff	Quan: 16,000.000		Engr	Quan: 0.000				
8GEN100	Genset - 100 kW	1.00	1,066.67	HR	35.500			6,453	31,413				37,867
8WELDTRK	Weld Truck/ Marine	1.00	1,066.67	HR	55.000			53,334	5,333				58,667
8WLD500	Welder - 500 Amp Di	2.00	2,133.33	HR	13.810			2,795	26,667				29,461
8WLDHUT	Weld Hut Equip	1.00	1,066.67	HR	80.000			69,334	16,000				85,334
OP-OIL	Equip Oiler	1.00	1,066.67	MH	43.780	104,066							104,066
WALKB	Walking Boss	1.00	1,066.67	MH	37.500	95,479							95,479
WELD-A	Welder - Apprentice	2.00	2,133.33	MH	37.400	190,684							190,684
WELD-J	Welder - Journeyman	2.00	2,133.33	MH	43.400	207,092							207,092
\$966,355.57	5.0000 MH/EA	6,400.0000	MH	[ 202.4 ]	597,320	154,880		134,208	79,947				966,356
1.2000	Units/H	10.8001	Un/Shift	0.2000	Unit/M	466.66	121.00	104.85	62.46				754.97
<hr/>													
<b>10900</b>	<b>Rail Grinding (sub)</b>				<b>Quan: 32,000.00</b>	<b>TF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
4RAILGRND	Rail Grinding Sub		32,000.00	TF	2.450							78,400	78,400
<hr/>													
<b>10910</b>	<b>Signal and Lighting (sub)</b>				<b>Quan: 16,000.00</b>	<b>LF</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
4RAILSYSTMS	Systms, Lights, Signal		16,000.00	LF	150.000							2,400,000	2,400,000
<hr/>													
<b>11000</b>	<b>Site Setup, Weld Yard, Stage Area</b>				<b>Quan: 1.00</b>	<b>LS</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
4SETUP	Site Set up		1.00	EA	6,000,000.000							6,000,000	6,000,000
<hr/>													
<b>=====&gt; Item Totals: 5550000 - Track and Signals</b>													
\$24,558,329.57	3.6822 MH/LF		58,915.29	MH	[ 141.793 ]	5,349,689	9,051,106	977,965	701,170	8,478,400			<b>24,558,330</b>
1,534.896	16000 LF					334.36	565.69	61.12	43.82	529.90			1,534.90

**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5560000**

Description = Site Setup and Re-Access

Land Item

SCHEDULE: 1

100

Unit = LS

Takeoff Quan:

1.000

Engr Quan:

0.000

<b>10100</b>	<b>Re-access</b>		<b>Quan: 1.00 LS</b>	<b>Hrs/Shft: 9.00</b>	<b>Cal: 510</b>	<b>WC:NYGEN</b>				
4REACCESS	Re-access Site	1.00 LS	5,000,000.000					5,000,000	5,000,000	

**Total of Above Sub-Biditems**

=====> **Item Totals: 5500000 - Final Build - Transit Implementation**

<b>\$39,660,894.88</b>	<b>2.7184 MH/TF</b>	<b>86,988.90 MH</b>	<b>[ 105.528 ]</b>	<b>7,933,658</b>	<b>10,981,105</b>	<b>2,181,815</b>	<b>1,245,916</b>	<b>17,318,400</b>	<b>39,660,895</b>
<b>1,239.403</b>	<b>32000 TF</b>			<b>247.93</b>	<b>343.16</b>	<b>68.18</b>	<b>38.93</b>	<b>541.20</b>	<b>1,239.40</b>

<b>\$283,762,641.70 *** Report Totals ***</b>	927,131.80	MH		<b>84,423,973</b>	112,147,365	<b>30,216,020</b>	14,484,084	42,491,200	<b>283,762,642</b>
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>>> **indicates Non Additive Activity**

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources.

"Unreviewed" Activities are marked.

Bid Date: Owner: Engineering Firm:

Estimator-In-Charge: AF

**JOB NOTES**



**DIRECT COST REPORT**

Activity Resource	Description	Quantity Pcs	Unit Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
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**BID ITEM = 5560000**

Land Item SCHEDULE: 1 100

Description = Site Setup and Re-Access

Unit = LS Takeoff Quan: 1.000 Engr Quan: 0.000

Estimate created on: 01/22/2011 by User#: 0 -  
Source estimate used: C:\HEAVYBID\EST\ESTMAST

\*\*\*\*\*Estimate created on: 02/20/2011 by User#: 0 -  
Source estimate used: C:\HEAVYBID\EST\10NYTZB-3-04

\*\*\*\*\*Estimate created on: 02/21/2011 by User#: 0 -  
Source estimate used: C:\HEAVYBID\EST\10NYTZB-3-05

\*\*\*\*\*Estimate created on: 03/06/2011 by User#: 0 -  
Source estimate used: C:\HEAVYBID\EST\10NYTZB-3-06

\*\*\*\*\*Estimate created on: 05/02/2011 by User#: 0 -  
Source estimate used: C:\HEAVYBID\EST\10NYTZB-3-07

\* on units of MH indicate average labor unit cost was used rather than base rate.

[ ] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%  
-----Calendar Codes-----

Calendars are found in crew and labor codes and have the format XXXdY where

XXX = The Calendar and Y = The Starting Day of the Week with Day 1 = Monday, etc.

510 5 days per week 10 hours/day