

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 1000000

Description = Pavement & Finishes Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 1000000:

PARENT ITEM 1010000

Description = Pavement & Finishes - HWY Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 1010000:

BID ITEM = 1010100

Description = I-287 Mainline New Pavement - New Constr Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 4,504,018.000 Engr Quan: 0.000

10100	Prep, Grade, Roll	Quan: 4,504,018.00	SF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287
<u>GR2</u>	Compact- Large	1,801.60	CH	Prod: 2,500.0000	UH	Lab Pcs: 15.00 Eqp Pcs: 11.00
8D6	CAT D6 Dozer	1.00	1,801.61 HR	36.120		49,833 15,242 65,074
8L938	CAT 938H Wheel loa	1.00	1,801.61 HR	56.230		55,183 46,121 101,305
8MG16H	Cat 16H Motorgrader	2.00	3,603.21 HR	102.440		204,266 164,847 369,113
8RSF	Sheepsft Roller	1.00	1,801.61 HR	32.500		58,552 58,552
8RSW	Steel wheel roller	2.00	3,603.21 HR	56.260		116,420 86,297 202,717
8SMTTOOLS	Small Tools	2.00	3,603.21 HR	10.000		36,032 36,032
8TPU	Pickup Truck	1.00	1,801.61 HR	9.870		6,071 11,710 17,782
8TWT5	Water Truck - 5,000	1.00	1,801.61 HR	79.000		81,072 61,255 142,327
NY1	Foreman	1.00	1,801.61 MH	42.000	170,900	170,900
NY2	General Labor	8.00	14,412.86 MH	38.000	1,293,874	1,293,874
NY3	Skilled Labor / Operat	6.00	10,809.64 MH	40.000	997,903	997,903
\$3,455,578.82	0.0060 MH/SF	27,024.1100	MH	[0.234]	2,462,677	607,430 385,472 3,455,579
2,500.0100	Units/H*	25,000.0999	Un/Shift	166.6667	Unit/M	0.55 0.13 0.09 0.77

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 = 1010100 Land Item SCHEDULE: 1 100
Description = I-287 Mainline New Pavement - New Constr Unit = SF Takeoff Quan: 4,504,018.000 Engr Quan: 0.000

10150	Subbase			Quan: 13,858.52 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		277.17 CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2SBASE	Sub Base@110%	13,858.52 CY		14.000	213,421					213,421
8D6	CAT D6 Dozer	1.00 277.17 HR		36.120		7,667 2,345				10,011
8L938	CAT 938H Wheel loa	1.00 277.17 HR		56.230		8,490 7,096				15,585
8MG16H	Cat 16H Motorgrader	2.00 554.34 HR		102.440		31,426 25,361				56,787
8RSF	Sheepsft Roller	1.00 277.17 HR		32.500		9,008				9,008
8RSW	Steel wheel roller	2.00 554.34 HR		56.260		17,911 13,276				31,187
8SMTTOOLS	Small Tools	2.00 554.34 HR		10.000		5,543				5,543
8TPU	Pickup Truck	1.00 277.17 HR		9.870		934 1,802				2,736
8TWT5	Water Truck - 5,000	1.00 277.17 HR		79.000		12,473 9,424				21,896
NY1	Foreman	1.00 277.17 MH		42.000	26,292					26,292
NY2	General Labor	8.00 2,217.36 MH		38.000	199,057					199,057
NY3	Skilled Labor / Operat	6.00 1,663.02 MH		40.000	153,523					153,523
\$745,048.02	0.2999 MH/CY	4,157.5500 MH		[11.72]	378,873 213,421	93,451 59,303				745,048
50.0001	Units/H*	500.0007 Un/Shift	3.3333 Unit/M		27.34 15.40	6.74 4.28				53.76

10200	Lift 1 Base Course			Quan: 55,434.07 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		1,108.68 CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2BASEC	Pavement Base Cou@	55,434.07 CY		50.000	3,048,874					3,048,874
8D6	CAT D6 Dozer	1.00 1,108.68 HR		36.120		30,666 9,379				40,046
8L938	CAT 938H Wheel loa	1.00 1,108.68 HR		56.230		33,959 28,382				62,341
8MG16H	Cat 16H Motorgrader	2.00 2,217.36 HR		102.440		125,702 101,444				227,146
8RSF	Sheepsft Roller	1.00 1,108.68 HR		32.500		36,032				36,032
8RSW	Steel wheel roller	2.00 2,217.36 HR		56.260		71,643 53,106				124,749
8SMTTOOLS	Small Tools	2.00 2,217.36 HR		10.000		22,174				22,174
8TPU	Pickup Truck	1.00 1,108.68 HR		9.870		3,736 7,206				10,943
8TWT5	Water Truck - 5,000	1.00 1,108.68 HR		79.000		49,891 37,695				87,586

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 = 1010100

Description = I-287 Mainline New Pavement - New Constr

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 4,504,018.000 Engr Quan: 0.000

NY1	Foreman	1.00	1,108.68 MH	42.000						105,169
NY2	General Labor	8.00	8,869.45 MH	38.000						796,230
NY3	Skilled Labor / Operat	6.00	6,652.09 MH	40.000						614,094
\$5,175,383.08	0.2999 MH/CY	16,630.2200	MH	[11.72]	1,515,494	3,048,874		373,803	237,213	5,175,383
50.0001	Units/H*	500.0006	Un/Shift	3.3333 Unit/M	27.34	55.00		6.74	4.28	93.36

10250 Lift 2 Base Course **Quan: 55,434.07 CY** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

<u>GR2</u>	Compact- Large		5,543.40 CH	Prod: 10.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	55,434.07	CY	50.000		3,048,874				3,048,874
8D6	CAT D6 Dozer	1.00	5,543.41 HR	36.120			153,331	46,897		200,228
8L938	CAT 938H Wheel loa	1.00	5,543.41 HR	56.230			169,795	141,911		311,706
8MG16H	Cat 16H Motorgrader	2.00	11,086.81 HR	102.440			628,511	507,222		1,135,733
8RSF	Sheepsft Roller	1.00	5,543.41 HR	32.500			180,161			180,161
8RSW	Steel wheel roller	2.00	11,086.81 HR	56.260			358,215	265,529		623,744
8SMTTOOLS	Small Tools	2.00	11,086.81 HR	10.000			110,868			110,868
8TPU	Pickup Truck	1.00	5,543.41 HR	9.870			18,681	36,032		54,713
8TWT5	Water Truck - 5,000	1.00	5,543.41 HR	79.000			249,453	188,476		437,929
NY1	Foreman	1.00	5,543.41 MH	42.000		525,847				525,847
NY2	General Labor	8.00	44,347.26 MH	38.000		3,981,151				3,981,151
NY3	Skilled Labor / Operat	6.00	33,260.44 MH	40.000		3,070,471				3,070,471
\$13,681,424.87	1.5000 MH/CY	83,151.1100	MH	[58.6]	7,577,469	3,048,874		1,869,015	1,186,067	13,681,425
10.0000	Units/H*	100.0001	Un/Shift	0.6667 Unit/M	136.69	55.00		33.72	21.40	246.81

10300 Binder Course **Quan: 55,434.07 TON** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

<u>PV2</u>	Asp. Pave - Large		1,108.68 CH	Prod: 50.0000 UH	Lab Pcs: 20.00		Eqp Pcs: 13.00			
2HMAB	HMA Binder Course	55,434.07	TON	40.000		2,439,099				2,439,099
8AP1	Asphalt Paver (LG)	2.00	2,217.36 HR	258.150			388,038	184,373		572,411
8APBS	Sweeper	1.00	1,108.68 HR	62.120			35,167	33,704		68,871
8APLANT	Asphalt Plant & Equi	1.00	1,108.68 HR	179.070			110,170	88,362		198,531

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BID ITEM = 1010100		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline New Pavement - New Constr		Unit =		SF	Takeoff Quan: 4,504,018.000		Engr Quan:		0.000	
8D6	CAT D6 Dozer	1.00	1,108.68 HR	36.120				30,666	9,379	40,046
8L938	CAT 938H Wheel loa	1.00	1,108.68 HR	56.230				33,959	28,382	62,341
8RPN	Pneumatic roller - 12	2.00	2,217.36 HR	63.750				99,781	41,576	141,357
8RT	Roller - Tandem 10to	2.00	2,217.36 HR	50.000				110,868		110,868
8TDIST	Distribution Truck	1.00	1,108.68 HR	45.000				49,891		49,891
8TPU	Pickup Truck	1.00	1,108.68 HR	9.870				3,736	7,206	10,943
8TWT3	Water Truck - 3,000	1.00	1,108.68 HR	74.470				47,640	34,923	82,563
LAB-A	General Labor - Appr	2.00	2,217.36 MH	28.430	172,067					172,067
LAB-F	General Labor - Fore	1.00	1,108.68 MH	34.000	93,888					93,888
LAB-J	General Labor - Class	6.00	6,652.09 MH	33.460	558,761					558,761
OP-2	Operator - Medium E	9.00	9,978.13 MH	43.500	965,560					965,560
OP-OIL	Equip Oiler	2.00	2,217.36 MH	43.780	215,358					215,358
\$5,782,555.87	0.3999 MH/TON	22,173.6200	MH	[15.414]	2,005,635	2,439,099		909,916	427,906	5,782,556
50.0001	Units/H*	500.0006	Un/Shift	2.5000 Unit/M	36.18	44.00		16.41	7.72	104.31
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10350	Top Course	Quan: 41,575.55 TON		Hrs/Shft: 10.00	Cal: 510		WC:NYI287			
<u>PV2</u>	Asp. Pave - Large	831.51	CH	Prod: 50.0000 UH	Lab Pcs: 20.00			Eqp Pcs: 13.00		
2HMAT	HMA Top Course@1	41,575.55	TON	60.000	2,743,986					2,743,986
8AP1	Asphalt Paver (LG)	2.00	1,663.02 HR	258.150				291,029	138,280	429,309
8APBS	Sweeper	1.00	831.51 HR	62.120				26,375	25,278	51,653
8APLANT	Asphalt Plant & Equi	1.00	831.51 HR	179.070				82,627	66,271	148,898
8D6	CAT D6 Dozer	1.00	831.51 HR	36.120				23,000	7,035	30,034
8L938	CAT 938H Wheel loa	1.00	831.51 HR	56.230				25,469	21,287	46,756
8RPN	Pneumatic roller - 12	2.00	1,663.02 HR	63.750				74,836	31,182	106,018
8RT	Roller - Tandem 10to	2.00	1,663.02 HR	50.000				83,151		83,151
8TDIST	Distribution Truck	1.00	831.51 HR	45.000				37,418		37,418
8TPU	Pickup Truck	1.00	831.51 HR	9.870				2,802	5,405	8,207
8TWT3	Water Truck - 3,000	1.00	831.51 HR	74.470				35,730	26,193	61,923
LAB-A	General Labor - Appr	2.00	1,663.02 MH	28.430	129,051					129,051

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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 = 1010100		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline New Pavement - New Constr		Unit =		SF	Takeoff Quan:	4,504,018.000	Engr Quan:	0.000		
LAB-F	General Labor - Fore	1.00	831.51 MH	34.000	70,416					70,416
LAB-J	General Labor - Class	6.00	4,989.07 MH	33.460	419,071					419,071
OP-2	Operator - Medium E	9.00	7,483.60 MH	43.500	724,170					724,170
OP-OIL	Equip Oiler	2.00	1,663.02 MH	43.780	161,519					161,519
\$5,251,579.31	0.4000 MH/TON	16,630.2200	MH	[15.414]	1,504,227	2,743,986	682,437	320,930		5,251,579
50.0001	Units/H*	500.0006	Un/Shift	2.5000 Unit/M	36.18	66.00	16.41	7.72		126.31
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10400	Tack Coat	Quan: 27,717.03 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV2</u>	Asp. Pave - Large	554.34	CH	Prod: 50.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMATK	HMA Tack Coat@11	27,717.03	TON	60.000	1,829,324					1,829,324
8API	Asphalt Paver (LG)	2.00	1,108.68 HR	258.150		194,019	92,187			286,206
8APBS	Sweeper	1.00	554.34 HR	62.120		17,584	16,852			34,436
8APLANT	Asphalt Plant & Equi	1.00	554.34 HR	179.070		55,085	44,181			99,266
8D6	CAT D6 Dozer	1.00	554.34 HR	36.120		15,333	4,690			20,023
8L938	CAT 938H Wheel loa	1.00	554.34 HR	56.230		16,979	14,191			31,171
8RPN	Pneumatic roller - 12	2.00	1,108.68 HR	63.750		49,891	20,788			70,678
8RT	Roller - Tandem 10to	2.00	1,108.68 HR	50.000		55,434				55,434
8TDIST	Distribution Truck	1.00	554.34 HR	45.000		24,945				24,945
8TPU	Pickup Truck	1.00	554.34 HR	9.870		1,868	3,603			5,471
8TWT3	Water Truck - 3,000	1.00	554.34 HR	74.470		23,820	17,462			41,282
LAB-A	General Labor - Appr	2.00	1,108.68 MH	28.430	86,034					86,034
LAB-F	General Labor - Fore	1.00	554.34 MH	34.000	46,944					46,944
LAB-J	General Labor - Class	6.00	3,326.04 MH	33.460	279,380					279,380
OP-2	Operator - Medium E	9.00	4,989.07 MH	43.500	482,781					482,781
OP-OIL	Equip Oiler	2.00	1,108.68 MH	43.780	107,679					107,679
\$3,501,052.41	0.3999 MH/TON	11,086.8100	MH	[15.414]	1,002,817	1,829,324	454,958	213,953		3,501,052
50.0001	Units/H*	500.0005	Un/Shift	2.5000 Unit/M	36.18	66.00	16.41	7.72		126.31

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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 = 1010100

Description = I-287 Mainline New Pavement - New Constr

Land Item

SCHEDULE: 1

100

Unit = SF

Takeoff Quan: 4,504,018.000

Engr Quan:

0.000

10450	Guard Rail			Quan: 49,494.70	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
PL1	Place - Install Material			989.89	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11			49,494.70	LF		5,444,417			5,444,417	
8CRBMTRK	Boom Truck 20 ton			1.00	989.89 HR	102.630		65,679	35,913	101,592	
8LFORK	Fork Lift			1.00	989.89 HR	43.060		29,806	12,819	42,625	
8LIFTS32	Scissor Lift 32'			1.00	989.89 HR	29.700		14,700	14,700	29,400	
8SMTTOOLS	Small Tools			4.00	3,959.58 HR	10.000		39,596		39,596	
8TPU	Pickup Truck			1.00	989.89 HR	9.870		3,336	6,434	9,770	
8ZG050	Genset - 50 kW			1.00	989.89 HR	19.700		4,455	15,046	19,501	
8ZTE	Power Tools - Electri			1.00	989.89 HR	10.000		9,899		9,899	
NY1	Foreman			1.00	989.89 MH	42.000	93,901			93,901	
NY2	General Labor			4.00	3,959.58 MH	38.000	355,460			355,460	
NY3	Skilled Labor / Operat			5.00	4,949.47 MH	40.000	456,915			456,915	
\$6,603,075.76	0.2000 MH/LF			9,898.9400	MH	[7.88]	906,276	5,444,417	167,470	84,913	6,603,076
50.0002	Units/H*	500.0020	Un/Shift	5.0000	Unit/M		18.31	110.00	3.38	1.72	133.41

10500	Center Wall Divider	Quan: 29,696.82 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287	
CC4	Concrete Crew - Medium	1,187.87	CH	Prod: 25.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 7.00	
2CONC	Concrete - Ready @ 1	29,696.82	CY	141.000	4,605,977		4,605,977
2REBAR	Rebar@110%	7,424,205.00	LBS	0.650	5,308,307		5,308,307
8AC1300	Air Compressor - 130	1.00	1,187.87 HR	131.450		57,018	99,128
8CONC100	Concrete Conveyer (1	1.00	1,187.87 HR	23.850		14,848	13,482
8CONWT	Concrete Work Tools	2.00	2,375.75 HR	4.310		10,239	
8FORM1	Concrete Form Set - S	2.00	2,375.75 HR	5.000		11,879	
8TPU	Pickup Truck	1.00	1,187.87 HR	9.870		4,003	7,721
NY1	Foreman	1.00	1,187.87 MH	42.000	112,681		112,681
NY2	General Labor	7.00	8,315.11 MH	38.000	746,466		746,466
NY3	Skilled Labor / Operat	4.00	4,751.49 MH	40.000	438,639		438,639

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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 = 1010100

Description = I-287 Mainline New Pavement - New Constr Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 4,504,018.000 Engr Quan: 0.000

\$11,430,387.45	0.4799 MH/CY	14,254.4700	MH	[18.72]	1,297,785	9,914,283	97,987	120,331		11,430,387
25.0001	Units/H*	250.0006	Un/Shift	2.0833 Unit/M	43.70	333.85	3.30	4.05		384.90

10550 Final Line and Grade Quan: 4,504,018.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	1,501.32	CH	Prod: 3,000.0330	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
8D6	CAT D6 Dozer	1.00	1,501.32	HR	36.120		41,527	12,701	54,228
8L938	CAT 938H Wheel loa	1.00	1,501.32	HR	56.230		45,985	38,434	84,419
8MG16H	Cat 16H Motorgrader	2.00	3,002.65	HR	102.440		170,220	137,371	307,591
8RSF	Sheepsft Roller	1.00	1,501.32	HR	32.500		48,793		48,793
8RSW	Steel wheel roller	2.00	3,002.65	HR	56.260		97,016	71,913	168,929
8SMTTOOLS	Small Tools	2.00	3,002.65	HR	10.000		30,027		30,027
8TPU	Pickup Truck	1.00	1,501.32	HR	9.870		5,059	9,759	14,818
8TWT5	Water Truck - 5,000	1.00	1,501.32	HR	79.000		67,559	51,045	118,604
NY1	Foreman	1.00	1,501.32	MH	42.000	142,415			142,415
NY2	General Labor	8.00	12,010.58	MH	38.000	1,078,216			1,078,216
NY3	Skilled Labor / Operat	6.00	9,007.94	MH	40.000	831,577			831,577
\$2,879,617.22	0.0049 MH/SF	22,519.8400	MH	[0.195]	2,052,208		506,186	321,223	2,879,617
3,000.0386	Units/H*	30,000.3863	Un/Shift	200.0024 Unit/M	0.46		0.11	0.07	0.64

10600 Lane Markings Quan: 593,936.44 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

LM1	Lane Markings	296.96	CH	Prod: 2,000.0001	UH	Lab Pcs: 9.00	Eqp Pcs: 5.00		
2PAINT	Lane Markings@110	593,936.44	LF	1.500		979,995			979,995
8APBS	Sweeper	1.00	296.97	HR	62.120		9,420	9,028	18,448
8T5T	Flatbed Truck - 5 Ton	1.00	296.97	HR	21.220		1,283	5,019	6,302
8TPU	Pickup Truck	2.00	593.94	HR	9.870		2,002	3,861	5,862
8TSTRP	Thermo Striper	1.00	296.97	HR	100.000		29,697		29,697
NY1	Foreman	1.00	296.97	MH	42.000	28,171			28,171
NY2	General Labor	4.00	1,187.87	MH	38.000	106,638			106,638
NY3	Skilled Labor / Operat	4.00	1,187.87	MH	40.000	109,659			109,659

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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 = 1010100

Land Item SCHEDULE: 1 100
Description = I-287 Mainline New Pavement - New Constr Unit = SF Takeoff Quan: 4,504,018.000 Engr Quan: 0.000

\$1,284,771.40	0.0044 MH/LF	2,672.7100	MH	[0.177]	244,468	979,995	42,401	17,907		1,284,771
2,000.0554	Units/H*	20,000.5536	Un/Shift	222.2227 Unit/M	0.41	1.65	0.07	0.03		2.16

10650 4" Edge Drain Pipe Quan: 49,494.70 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>PIPE</u>	Pipe Crew - Trench	1,979.78	CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 6.00				
24PIPE	4" Edge Drain Pip@1	49,494.70	LF	14.000	762,218					762,218
8AC900	Air Compressor - 900	1.00	1,979.79 HR	88.850		69,293	106,612			175,904
8ADDSTM	Addon - Small Tool&	1.00	1,979.79 HR	2.650		4,257	990			5,246
8CRNG40T	Grove RT640E 40 To	1.00	1,979.79 HR	110.000		158,383	59,394			217,777
8EXGRDALL	Gradall 3 CY	1.00	1,979.79 HR	220.400		226,191	210,155			436,346
8GEN800	Generators 800 KW	1.00	1,979.79 HR	25.000		29,697	19,798			49,495
8TPU	Pickup Truck	1.00	1,979.79 HR	9.870		6,672	12,869			19,541
LAB-A	General Labor - Appr	2.00	3,959.58 MH	28.430	307,264					307,264
LAB-F	General Labor - Fore	1.00	1,979.79 MH	34.000	167,658					167,658
LAB-J	General Labor - Class	4.00	7,919.15 MH	33.460	665,191					665,191
OP-2	Operator - Medium E	2.00	3,959.58 MH	43.500	383,159					383,159
OP-OIL	Equip Oiler	1.00	1,979.79 MH	43.780	192,285					192,285
\$3,382,083.57	0.4000 MH/LF	19,797.8900	MH	[14.219]	1,715,557	762,218	494,492	409,817		3,382,084
25.0001	Units/H*	250.0010	Un/Shift	2.5000 Unit/M	34.66	15.40	9.99	8.28		68.33

10700 Signage Quan: 49,494.70 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>PL1</u>	Place - Install Material	989.89	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2SIGN	Signage@110%	49,494.70	LF	150.000	8,166,626					8,166,626
8CRBMTRK	Boom Truck 20 ton	1.00	989.89 HR	102.630		65,679	35,913			101,592
8LFORK	Fork Lift	1.00	989.89 HR	43.060		29,806	12,819			42,625
8LIFTS32	Scissor Lift 32'	1.00	989.89 HR	29.700		14,700	14,700			29,400
8SMTTOOLS	Small Tools	4.00	3,959.58 HR	10.000		39,596				39,596
8TPU	Pickup Truck	1.00	989.89 HR	9.870		3,336	6,434			9,770
8ZG050	Genset - 50 kW	1.00	989.89 HR	19.700		4,455	15,046			19,501

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/>										
BID ITEM = 1010100		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline New Pavement - New Constr		Unit = SF		Takeoff Quan:	4,504,018.000	Engr Quan:	0.000			
8ZTE	Power Tools - Electri	1.00	989.89 HR	10.000				9,899		9,899
NY1	Foreman	1.00	989.89 MH	42.000	93,901					93,901
NY2	General Labor	4.00	3,959.58 MH	38.000	355,460					355,460
NY3	Skilled Labor / Operat	5.00	4,949.47 MH	40.000	456,915					456,915
\$9,325,284.26	0.2000 MH/LF	9,898.9400	MH	[7.88]	906,276	8,166,626		167,470	84,913	9,325,284
50.0002	Units/H*	500.0020	Un/Shift	5.0000 Unit/M	18.31	165.00		3.38	1.72	188.41
<hr/>										
=====> Item Totals: 1010100 - I-287 Mainline New Pavement - New Constr										
\$72,497,842.04	0.0577 MH/SF	259,896.43	MH	[2.234]	23,569,762	38,591,118		6,467,015	3,869,948	72,497,842
16.096	4504018 SF				5.23	8.57		1.44	0.86	16.10
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BID ITEM = 1010200 Land Item SCHEDULE: 1 100
Description = I-287 Mainline Full Depth Reconstruction Unit = SF Takeoff Quan: 9,100.000 Engr Quan: 0.000

10100	Existing Pave Demo	Quan: 202.00 CY		Hrs/Shift: 10.00	Cal: 510	WC: NYI287				
<u>EX8</u>	Pavement Removal	40.40	CH	Prod: 5.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00				
4HAUL	Hauling - Sub	2.22	CY	50.000					111	111
8AC900	Air Compressor - 900	1.00	40.40 HR	88.850		1,414	2,176			3,590
8ADDSTM	Addon - Small Tool&	1.00	40.40 HR	2.650		87	20			107
8APRC	Asphalt Reclaimer (w/	1.00	40.40 HR	215.000		5,050	3,636			8,686
8APRS	Roadway Saw (w/Bla	1.00	40.40 HR	15.000		101	505			606
8EX350	CAT 350 3 CY Exca	1.00	40.40 HR	220.400		4,616	4,288			8,904
8L950	CAT 950H Wheel Lo	2.00	80.80 HR	66.160		3,007	2,339			5,346
8SMTTOOLS	Small Tools	2.00	80.80 HR	10.000		808				808
8TPU	Pickup Truck	1.00	40.40 HR	9.870		136	263			399
8ZHMR1	Hydraulic Hammer 12	1.00	40.40 HR	12.660		366	145			511
8ZTA	Power Tools - Air	1.00	40.40 HR	10.000		404				404

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/>										
BID ITEM = 1010200			Land Item	SCHEDULE: 1	100					
Description = I-287 Mainline Full Depth Reconstruction				Unit = SF	Takeoff Quan:	9,100.000	Engr Quan:	0.000		
LAB-A	General Labor - Appr	2.00	80.80 MH	28.430	6,270					6,270
LAB-F	General Labor - Fore	1.00	40.40 MH	34.000	3,421					3,421
LAB-J	General Labor - Class	4.00	161.60 MH	33.460	13,574					13,574
OP-2	Operator - Medium E	2.00	80.80 MH	43.500	7,819					7,819
OP-OIL	Equip Oiler	1.00	40.40 MH	43.780	3,924					3,924
\$64,479.70	2.0000 MH/CY	404.0000	MH	[71.096]	35,008		15,988	13,372	111	64,480
5.0000	Units/H*	50.0000	Un/Shift	0.5000 Unit/M	173.31		79.15	66.20	0.55	319.21
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10150	Prep, Grade, Roll			Quan: 9,100.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		3.64 CH	Prod: 2,500.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	3.64 HR	36.120		101	31			131
8L938	CAT 938H Wheel loa	1.00	3.64 HR	56.230		111	93			205
8MG16H	Cat 16H Motorgrader	2.00	7.28 HR	102.440		413	333			746
8RSF	Sheepsft Roller	1.00	3.64 HR	32.500		118				118
8RSW	Steel wheel roller	2.00	7.28 HR	56.260		235	174			410
8SMTTOOLS	Small Tools	2.00	7.28 HR	10.000		73				73
8TPU	Pickup Truck	1.00	3.64 HR	9.870		12	24			36
8TWT5	Water Truck - 5,000	1.00	3.64 HR	79.000		164	124			288
NY1	Foreman	1.00	3.64 MH	42.000	345					345
NY2	General Labor	8.00	29.12 MH	38.000	2,614					2,614
NY3	Skilled Labor / Operat	6.00	21.84 MH	40.000	2,016					2,016
\$6,981.68	0.0060 MH/SF	54.6000	MH	[0.234]	4,976		1,227	779		6,982
2,500.0000	Units/H*	25,000.0000	Un/Shift	166.6667 Unit/M	0.55		0.13	0.09		0.77
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10200	Subbase			Quan: 27.97 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		1.11 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2SBASE	Sub Base@ 110%		27.97 CY	14.000	431					431
8D6	CAT D6 Dozer	1.00	1.12 HR	36.120		31	9			40
8L938	CAT 938H Wheel loa	1.00	1.12 HR	56.230		34	29			63

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/>											
BID ITEM = 1010200			Land Item	SCHEDULE: 1	100						
Description = I-287 Mainline Full Depth Reconstruction				Unit = SF	Takeoff Quan:	9,100.000		Engr Quan:		0.000	
8MG16H	Cat 16H Motorgrader	2.00	2.24 HR	102.440				127	102		229
8RSF	Sheepsft Roller	1.00	1.12 HR	32.500				36			36
8RSW	Steel wheel roller	2.00	2.24 HR	56.260				72	54		126
8SMTOOLS	Small Tools	2.00	2.24 HR	10.000				22			22
8TPU	Pickup Truck	1.00	1.12 HR	9.870				4	7		11
8TWT5	Water Truck - 5,000	1.00	1.12 HR	79.000				50	38		88
NY1	Foreman	1.00	1.12 MH	42.000		106					106
NY2	General Labor	8.00	8.95 MH	38.000		803					803
NY3	Skilled Labor / Operat	6.00	6.71 MH	40.000		619					619
\$2,577.09	0.5999 MH/CY	16.7800	MH	[23.437]		1,529	431	378	240		2,577
25.1982	Units/H*	251.9820	Un/Shift	1.6669 Unit/M		54.67	15.40	13.50	8.57		92.14
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10250	Lift 1 Base Course			Quan: 111.90 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large		4.47 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@		111.90 CY	50.000		6,155					6,155
8D6	CAT D6 Dozer	1.00	4.48 HR	36.120				124	38		162
8L938	CAT 938H Wheel loa	1.00	4.48 HR	56.230				137	115		252
8MG16H	Cat 16H Motorgrader	2.00	8.95 HR	102.440				507	409		917
8RSF	Sheepsft Roller	1.00	4.48 HR	32.500				146			146
8RSW	Steel wheel roller	2.00	8.95 HR	56.260				289	214		504
8SMTOOLS	Small Tools	2.00	8.95 HR	10.000				90			90
8TPU	Pickup Truck	1.00	4.48 HR	9.870				15	29		44
8TWT5	Water Truck - 5,000	1.00	4.48 HR	79.000				202	152		354
NY1	Foreman	1.00	4.48 MH	42.000		425					425
NY2	General Labor	8.00	35.81 MH	38.000		3,215					3,215
NY3	Skilled Labor / Operat	6.00	26.86 MH	40.000		2,480					2,480
\$14,741.12	0.6000 MH/CY	67.1500	MH	[23.444]		6,119	6,155	1,509	958		14,741
25.0336	Units/H*	250.3356	Un/Shift	1.6664 Unit/M		54.69	55.00	13.49	8.56		131.73

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 = 1010200

Land Item SCHEDULE: 1 100

Description = I-287 Mainline Full Depth Reconstruction

Unit = SF Takeoff Quan: 9,100.000 Engr Quan: 0.000

10300	Lift 2 Base Course			Quan: 111.90	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
GR2	Compact- Large		11.19	CH	Prod: 10.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
2BASEC	Pavement Base Cou@		111.90	CY	50.000		6,155			6,155
8D6	CAT D6 Dozer	1.00	11.19	HR	36.120			310	95	404
8L938	CAT 938H Wheel loa	1.00	11.19	HR	56.230			343	286	629
8MG16H	Cat 16H Motorgrader	2.00	22.38	HR	102.440			1,269	1,024	2,293
8RSF	Sheepsft Roller	1.00	11.19	HR	32.500			364		364
8RSW	Steel wheel roller	2.00	22.38	HR	56.260			723	536	1,259
8SMTTOOLS	Small Tools	2.00	22.38	HR	10.000			224		224
8TPU	Pickup Truck	1.00	11.19	HR	9.870			38	73	110
8TWT5	Water Truck - 5,000	1.00	11.19	HR	79.000			504	380	884
NY1	Foreman	1.00	11.19	MH	42.000		1,061			1,061
NY2	General Labor	8.00	89.52	MH	38.000		8,036			8,036
NY3	Skilled Labor / Operat	6.00	67.14	MH	40.000		6,198			6,198
\$27,617.48	1.5000 MH/CY	167.8500	MH	[58.6]		15,296	6,155	3,773	2,394	27,617
10.0000	Units/H*	100.0000	Un/Shift	0.6667	Unit/M	136.69	55.00	33.72	21.40	246.81

10350	Binder Course			Quan: 111.90	TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
PV2	Asp. Pave - Large		4.47	CH	Prod: 25.0000	UH	Lab Pcs: 20.00		Eqp Pcs: 13.00	
2HMAB	HMA Binder Course		111.90	TON	40.000		4,924			4,924
8AP1	Asphalt Paver (LG)	2.00	8.95	HR	258.150			1,566	744	2,310
8APBS	Sweeper	1.00	4.48	HR	62.120			142	136	278
8APLANT	Asphalt Plant & Equi	1.00	4.48	HR	179.070			445	357	802
8D6	CAT D6 Dozer	1.00	4.48	HR	36.120			124	38	162
8L938	CAT 938H Wheel loa	1.00	4.48	HR	56.230			137	115	252
8RPN	Pneumatic roller - 12	2.00	8.95	HR	63.750			403	168	571
8RT	Roller - Tandem 10to	2.00	8.95	HR	50.000			448		448
8TDIST	Distribution Truck	1.00	4.48	HR	45.000			202		202

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/>										
BID ITEM = 1010200		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline Full Depth Reconstruction		Unit =		SF	Takeoff Quan:	9,100.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	4.48 HR	9.870				15	29	44
8TWT3	Water Truck - 3,000	1.00	4.48 HR	74.470				193	141	334
LAB-A	General Labor - Appr	2.00	8.95 MH	28.430	695					695
LAB-F	General Labor - Fore	1.00	4.48 MH	34.000	379					379
LAB-J	General Labor - Class	6.00	26.86 MH	33.460	2,256					2,256
OP-2	Operator - Medium E	9.00	40.28 MH	43.500	3,898					3,898
OP-OIL	Equip Oiler	2.00	8.95 MH	43.780	869					869
\$18,422.90	0.8000 MH/TON	89.5200	MH	[30.827]	8,097	4,924		3,674	1,728	18,423
25.0336	Units/H*	250.3356	Un/Shift	1.2500 Unit/M	72.36	44.00		32.83	15.44	164.64
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10400	Top Course	Quan: 83.92 TON		Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
<u>PV2</u>	Asp. Pave - Large	3.35	CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMAT	HMA Top Course@1	83.92	TON	60.000	5,539					5,539
8API	Asphalt Paver (LG)	2.00	6.71 HR	258.150				1,174	558	1,732
8APBS	Sweeper	1.00	3.36 HR	62.120				107	102	209
8APLANT	Asphalt Plant & Equi	1.00	3.36 HR	179.070				334	268	602
8D6	CAT D6 Dozer	1.00	3.36 HR	36.120				93	28	121
8L938	CAT 938H Wheel loa	1.00	3.36 HR	56.230				103	86	189
8RPN	Pneumatic roller - 12	2.00	6.71 HR	63.750				302	126	428
8RT	Roller - Tandem 10to	2.00	6.71 HR	50.000				336		336
8TDIST	Distribution Truck	1.00	3.36 HR	45.000				151		151
8TPU	Pickup Truck	1.00	3.36 HR	9.870				11	22	33
8TWT3	Water Truck - 3,000	1.00	3.36 HR	74.470				144	106	250
LAB-A	General Labor - Appr	2.00	6.71 MH	28.430	521					521
LAB-F	General Labor - Fore	1.00	3.36 MH	34.000	285					285
LAB-J	General Labor - Class	6.00	20.14 MH	33.460	1,692					1,692
OP-2	Operator - Medium E	9.00	30.21 MH	43.500	2,923					2,923
OP-OIL	Equip Oiler	2.00	6.71 MH	43.780	652					652
\$15,661.37	0.7999 MH/TON	67.1300	MH	[30.824]	6,072	5,539		2,755	1,296	15,661

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 = 1010200

Description = I-287 Mainline Full Depth Reconstruction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 9,100.000 Engr Quan: 0.000

25.0507	Units/H*	250.5075	Un/Shift	1.2501	Unit/M	72.35	66.00	32.83	15.44	186.62
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10450 Tack Coat **Quan: 55.95 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

<u>PV2</u>	Asp. Pave - Large	1.11	CH	Prod: 50.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMATK	HMA Tack Coat@11	55.95	TON	50.000	3,077					3,077
8API	Asphalt Paver (LG)	2.00	2.24 HR	258.150		392	186			578
8APBS	Sweeper	1.00	1.12 HR	62.120		36	34			70
8APLANT	Asphalt Plant & Equi	1.00	1.12 HR	179.070		111	89			201
8D6	CAT D6 Dozer	1.00	1.12 HR	36.120		31	9			40
8L938	CAT 938H Wheel loa	1.00	1.12 HR	56.230		34	29			63
8RPN	Pneumatic roller - 12	2.00	2.24 HR	63.750		101	42			143
8RT	Roller - Tandem 10to	2.00	2.24 HR	50.000		112				112
8TDIST	Distribution Truck	1.00	1.12 HR	45.000		50				50
8TPU	Pickup Truck	1.00	1.12 HR	9.870		4	7			11
8TWT3	Water Truck - 3,000	1.00	1.12 HR	74.470		48	35			83
LAB-A	General Labor - Appr	2.00	2.24 MH	28.430	174					174
LAB-F	General Labor - Fore	1.00	1.12 MH	34.000	95					95
LAB-J	General Labor - Class	6.00	6.71 MH	33.460	564					564
OP-2	Operator - Medium E	9.00	10.07 MH	43.500	974					974
OP-OIL	Equip Oiler	2.00	2.24 MH	43.780	218					218
\$6,452.98	0.4000 MH/TON	22.3800	MH	[15.414]	2,024	3,077	919	432		6,453
50.4054	Units/H*	504.0541	Un/Shift	2.5000	Unit/M	36.18	55.00	16.43	7.73	115.33

10500 Guard Rail **Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

<u>PL1</u>	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73			205
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26			86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30			59

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/>										
BID ITEM = 1010200		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline Full Depth Reconstruction		Unit =		SF	Takeoff Quan:	9,100.000	Engr Quan:	0.000		
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000			80			80
8TPU	Pickup Truck	1.00	2.00 HR	9.870			7	13		20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700			9	30		39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000			20			20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$13,340.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	11,000	338	172		13,341
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	110.00	3.38	1.72		133.41
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10550	Center Wall Divider	Quan: 60.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC4</u>	Concrete Crew - Medium	2.40	CH	Prod: 25.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 7.00				
2CONC	Concrete - Ready @1	60.00	CY	141.000	9,306					9,306
2REBAR	Rebar@110%	16,198.70	LBS	0.650	11,582					11,582
8AC1300	Air Compressor - 130	1.00	2.40 HR	131.450			115	200		315
8CONC100	Concrete Conveyer (1	1.00	2.40 HR	23.850			30	27		57
8CONWT	Concrete Work Tools	2.00	4.80 HR	4.310			21			21
8FORM1	Concrete Form Set - S	2.00	4.80 HR	5.000			24			24
8TPU	Pickup Truck	1.00	2.40 HR	9.870			8	16		24
NY1	Foreman	1.00	2.40 MH	42.000	228					228
NY2	General Labor	7.00	16.80 MH	38.000	1,508					1,508
NY3	Skilled Labor / Operat	4.00	9.60 MH	40.000	886					886
\$23,951.22	0.4800 MH/CY	28.8000	MH	[18.72]	2,622	20,888	198	243		23,951
25.0000	Units/H*	250.0000	Un/Shift	2.0833 Unit/M	43.70	348.13	3.30	4.05		399.19
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10600	Final Line and Grade	Quan: 9,100.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	3.03	CH	Prod: 3,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	3.03 HR	36.120			84	26		109
8L938	CAT 938H Wheel loa	1.00	3.03 HR	56.230			93	78		170

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/>										
BID ITEM = 1010200		Land Item		SCHEDULE: 1	100					
Description = I-287 Mainline Full Depth Reconstruction		Unit =		SF	Takeoff Quan:	9,100.000	Engr Quan:	0.000		
8MG16H	Cat 16H Motorgrader	2.00	6.07 HR	102.440			344	278		622
8RSF	Sheepsft Roller	1.00	3.03 HR	32.500			98			98
8RSW	Steel wheel roller	2.00	6.07 HR	56.260			196	145		341
8SMTOOLS	Small Tools	2.00	6.07 HR	10.000			61			61
8TPU	Pickup Truck	1.00	3.03 HR	9.870			10	20		30
8TWT5	Water Truck - 5,000	1.00	3.03 HR	79.000			136	103		239
NY1	Foreman	1.00	3.03 MH	42.000	287					287
NY2	General Labor	8.00	24.27 MH	38.000	2,179					2,179
NY3	Skilled Labor / Operat	6.00	18.20 MH	40.000	1,680					1,680
\$5,817.87	0.0050 MH/SF	45.5000	MH	[0.195]	4,146		1,023	649		5,818
3,003.3003	Units/H*	30,033.0033	Un/Shift	200.0000 Unit/M	0.46		0.11	0.07		0.64
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10650	Lane Markings	Quan: 758.33 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LM1</u>	Lane Markings	0.37	CH	Prod: 2,000.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00				
2PAINT	Lane Markings@110	758.33	LF	1.500	1,251					1,251
8APBS	Sweeper	1.00	0.38 HR	62.120			12	12		24
8T5T	Flatbed Truck - 5 Ton	1.00	0.38 HR	21.220			2	6		8
8TPU	Pickup Truck	2.00	0.76 HR	9.870			3	5		8
8TSTRP	Thermo Striper	1.00	0.38 HR	100.000			38			38
NY1	Foreman	1.00	0.38 MH	42.000	36					36
NY2	General Labor	4.00	1.52 MH	38.000	136					136
NY3	Skilled Labor / Operat	4.00	1.52 MH	40.000	140					140
\$1,641.22	0.0045 MH/LF	3.4200	MH	[0.177]	313	1,251	54	23		1,641
2,049.5405	Units/H*	20,495.4054	Un/Shift	221.7344 Unit/M	0.41	1.65	0.07	0.03		2.16
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10700	4" Edge Drain Pipe	Quan: 100.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PIPE</u>	Pipe Crew - Trench	4.00	CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 6.00				
24PIPE	4" Edge Drain Pip@1	100.00	LF	14.000	1,540					1,540
8AC900	Air Compressor - 900	1.00	4.00 HR	88.850			140	215		355

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/>										
BID ITEM = 1010200			Land Item	SCHEDULE: 1	100					
Description = I-287 Mainline Full Depth Reconstruction				Unit = SF	Takeoff Quan:	9,100.000	Engr Quan:	0.000		
8ADDSTM	Addon - Small Tool&	1.00	4.00 HR	2.650				9	2	11
8CRNG40T	Grove RT640E 40 To	1.00	4.00 HR	110.000				320	120	440
8EXGRDALL	Gradall 3 CY	1.00	4.00 HR	220.400				457	425	882
8GEN800	Generators 800 KW	1.00	4.00 HR	25.000				60	40	100
8TPU	Pickup Truck	1.00	4.00 HR	9.870				13	26	39
LAB-A	General Labor - Appr	2.00	8.00 MH	28.430	621					621
LAB-F	General Labor - Fore	1.00	4.00 MH	34.000	339					339
LAB-J	General Labor - Class	4.00	16.00 MH	33.460	1,344					1,344
OP-2	Operator - Medium E	2.00	8.00 MH	43.500	774					774
OP-OIL	Equip Oiler	1.00	4.00 MH	43.780	389					389
\$6,833.23	0.4000 MH/LF	40.0000	MH	[14.219]	3,466	1,540		999	828	6,833
25.0000	Units/H*	250.0000	Un/Shift	2,5000 Unit/M	34.66	15.40		9.99	8.28	68.33

10750	Signage	Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
PL1	Place - Install Material	2.00	CH	Prod:	50.0000	UH	Lab Pcs:	10.00	Eqp Pcs:	10.00
2SIGN	Signage@110%	100.00	LF	150.000			16,500			16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630					133	73
8LFORK	Fork Lift	1.00	2.00 HR	43.060					60	26
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700					30	30
8SMTOOLS	Small Tools	4.00	8.00 HR	10.000					80	
8TPU	Pickup Truck	1.00	2.00 HR	9.870					7	13
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700					9	30
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000					20	
NY1	Foreman	1.00	2.00 MH	42.000		190				
NY2	General Labor	4.00	8.00 MH	38.000		718				
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000		923				
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]		1,831	16,500		338	172
50.0000	Units/H*	500.0000	Un/Shift	5.0000	Unit/M	18.31	165.00		3.38	1.72

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 = 1010200 Land Item SCHEDULE: 1 100
Description = I-287 Mainline Full Depth Reconstruction Unit = SF Takeoff Quan: 9,100.000 Engr Quan: 0.000

=====> **Item Totals: 1010200 - I-287 Mainline Full Depth Reconstruction**
 \$227,359.82 0.1150 MH/SF 1,047.13 MH [4.315] 93,331 77,459 33,174 23,285 111 **227,360**
 24.985 9100 SF 10.26 8.51 3.65 2.56 0.01 24.98

BID ITEM = 1010300 Land Item SCHEDULE: 1 100
Description = I-287 Mainline Mill & Pave Unit = SF Takeoff Quan: 8,136,962.000 Engr Quan: 0.000

10100 Mill Quan: 2,789,815.54 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287
CM1 Cold Mill 1,394.90 CH Prod: 2,000.0000 UH Lab Pcs: 17.00 Eqp Pcs: 9.00
 4HAUL Hauling - Sub 17,436.35 CY 50.000 871,818 871,818
 8ACOLDM1 Cold Milling Machine 1.00 1,394.91 HR 225.000 313,855 313,855
 8APBS Sweeper 1.00 1,394.91 HR 62.120 44,247 42,405 86,652
 8L938 CAT 938H Wheel loa 1.00 1,394.91 HR 56.230 42,726 35,710 78,436
 8MG16H Cat 16H Motorgrader 1.00 1,394.91 HR 102.440 79,077 63,817 142,895
 8TDUMP18 725 Dump Truck 18.8 4.00 5,579.63 HR 102.390 320,215 251,083 571,298
 8TPU Pickup Truck 1.00 1,394.91 HR 9.870 4,701 9,067 13,768
 NY1 Foreman 1.00 1,394.91 MH 42.000 132,321 132,321
 NY2 General Labor 8.00 11,159.26 MH 38.000 1,001,791 1,001,791
 NY3 Skilled Labor / Operat 8.00 11,159.26 MH 40.000 1,030,178 1,030,178
 \$4,243,010.91 0.0084 MH/SF 23,713.4300 MH [0.333] 2,164,290 804,821 402,082 871,818 4,243,011
 2,000.0111 Units/H* 20,000.1114 Un/Shift 117.6472 Unit/M 0.78 0.29 0.14 0.31 1.52

10150 Subbase Quan: 8,578.68 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287
GR2 Compact- Large 343.14 CH Prod: 25.0000 UH Lab Pcs: 15.00 Eqp Pcs: 11.00
 2SBASE Sub Base@110% 8,578.68 CY 14.000 132,112 132,112
 8D6 CAT D6 Dozer 1.00 343.15 HR 36.120 9,492 2,903 12,395
 8L938 CAT 938H Wheel loa 1.00 343.15 HR 56.230 10,511 8,785 19,295

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 = 1010300

Description = I-287 Mainline Mill & Pave

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 8,136,962.000 Engr Quan: 0.000

8MG16H	Cat 16H Motorgrader	2.00	686.29 HR	102.440			38,906	31,398		70,304
8RSF	Sheepsft Roller	1.00	343.15 HR	32.500			11,152			11,152
8RSW	Steel wheel roller	2.00	686.29 HR	56.260			22,174	16,437		38,611
8SMTOOLS	Small Tools	2.00	686.29 HR	10.000			6,863			6,863
8TPU	Pickup Truck	1.00	343.15 HR	9.870			1,156	2,230		3,387
8TWT5	Water Truck - 5,000	1.00	343.15 HR	79.000			15,442	11,667		27,109
NY1	Foreman	1.00	343.15 MH	42.000	32,551					32,551
NY2	General Labor	8.00	2,745.18 MH	38.000	246,441					246,441
NY3	Skilled Labor / Operat	6.00	2,058.88 MH	40.000	190,068					190,068
\$790,286.32	0.6000 MH/CY	5,147.2100	MH	[23.44]	469,060	132,112	115,695	73,420		790,286
25.0005	Units/H*	250.0052	Un/Shift	1.6667 Unit/M	54.68	15.40	13.49	8.56		92.12

10200 Lift 1 Base Course **Quan: 34,303.11 CY** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

<u>GR2</u>	Compact- Large		1,372.12 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	34,303.11	CY	50.000	1,886,671					1,886,671
8D6	CAT D6 Dozer	1.00	1,372.12 HR	36.120			37,953	11,608		49,561
8L938	CAT 938H Wheel loa	1.00	1,372.12 HR	56.230			42,028	35,126		77,154
8MG16H	Cat 16H Motorgrader	2.00	2,744.25 HR	102.440			155,572	125,549		281,121
8RSF	Sheepsft Roller	1.00	1,372.12 HR	32.500			44,594			44,594
8RSW	Steel wheel roller	2.00	2,744.25 HR	56.260			88,667	65,725		154,391
8SMTOOLS	Small Tools	2.00	2,744.25 HR	10.000			27,443			27,443
8TPU	Pickup Truck	1.00	1,372.12 HR	9.870			4,624	8,919		13,543
8TWT5	Water Truck - 5,000	1.00	1,372.12 HR	79.000			61,745	46,652		108,397
NY1	Foreman	1.00	1,372.12 MH	42.000	130,159					130,159
NY2	General Labor	8.00	10,977.00 MH	38.000	985,429					985,429
NY3	Skilled Labor / Operat	6.00	8,232.75 MH	40.000	760,015					760,015
\$4,518,478.48	0.6000 MH/CY	20,581.8700	MH	[23.44]	1,875,603	1,886,671	462,625	293,579		4,518,478
25.0001	Units/H*	250.0008	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost							Contract	
<hr/>												
BID ITEM = 1010300		Land Item		SCHEDULE: 1	100							
Description = I-287 Mainline Mill & Pave				Unit = SF	Takeoff Quan:	8,136,962.000	Engr Quan:	0.000				
<hr/>												
10250	Lift 2 Base Course			Quan: 34,303.11	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	3,430.31	CH	Prod: 10.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00					
2BASEC	Pavement Base Cou@	34,303.11	CY	50.000		1,886,671						1,886,671
8D6	CAT D6 Dozer	1.00	3,430.31	HR	36.120		94,882	29,020				123,903
8L938	CAT 938H Wheel loa	1.00	3,430.31	HR	56.230		105,070	87,816				192,886
8MG16H	Cat 16H Motorgrader	2.00	6,860.62	HR	102.440		388,929	313,873				702,802
8RSF	Sheepsft Roller	1.00	3,430.31	HR	32.500		111,485					111,485
8RSW	Steel wheel roller	2.00	6,860.62	HR	56.260		221,667	164,312				385,978
8SMTOOLS	Small Tools	2.00	6,860.62	HR	10.000		68,606					68,606
8TPU	Pickup Truck	1.00	3,430.31	HR	9.870		11,560	22,297				33,857
8TWT5	Water Truck - 5,000	1.00	3,430.31	HR	79.000		154,364	116,631				270,994
NY1	Foreman	1.00	3,430.31	MH	42.000	325,399						325,399
NY2	General Labor	8.00	27,442.49	MH	38.000	2,463,573						2,463,573
NY3	Skilled Labor / Operat	6.00	20,581.87	MH	40.000	1,900,036						1,900,036
\$8,466,190.58	1.5000 MH/CY	51,454.6700	MH	[58.6]	4,689,007	1,886,671	1,156,563	733,949				8,466,191
10.0000	Units/H*	100.0000	Un/Shift	0.6667	Unit/M	136.69	55.00	33.72	21.40			246.81
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10300	Binder Course			Quan: 34,303.11	TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV2</u>	Asp. Pave - Large	1,372.12	CH	Prod: 25.0000	UH	Lab Pcs: 20.00	Eqp Pcs: 13.00					
2HMAB	HMA Binder Course	34,303.11	TON	40.000		1,509,337						1,509,337
8AP1	Asphalt Paver (LG)	2.00	2,744.25	HR	258.150		480,244	228,184				708,428
8APBS	Sweeper	1.00	1,372.12	HR	62.120		43,524	41,712				85,236
8APLANT	Asphalt Plant & Equi	1.00	1,372.12	HR	179.070		136,348	109,358				245,706
8D6	CAT D6 Dozer	1.00	1,372.12	HR	36.120		37,953	11,608				49,561
8L938	CAT 938H Wheel loa	1.00	1,372.12	HR	56.230		42,028	35,126				77,154
8RPN	Pneumatic roller - 12	2.00	2,744.25	HR	63.750		123,491	51,455				174,946
8RT	Roller - Tandem 10to	2.00	2,744.25	HR	50.000		137,213					137,213
8TDIST	Distribution Truck	1.00	1,372.12	HR	45.000		61,745					61,745

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 = 1010300			Land Item	SCHEDULE: 1	100					
Description = I-287 Mainline Mill & Pave			Unit =	SF	Takeoff Quan:	8,136,962.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	1,372.12 HR	9.870			4,624	8,919		13,543
8TWT3	Water Truck - 3,000	1.00	1,372.12 HR	74.470			58,960	43,222		102,182
LAB-A	General Labor - Appr	2.00	2,744.25 MH	28.430	212,954					212,954
LAB-F	General Labor - Fore	1.00	1,372.12 MH	34.000	116,197					116,197
LAB-J	General Labor - Class	6.00	8,232.75 MH	33.460	691,533					691,533
OP-2	Operator - Medium E	9.00	12,349.12 MH	43.500	1,194,995					1,194,995
OP-OIL	Equip Oiler	2.00	2,744.25 MH	43.780	266,532					266,532
\$5,647,261.74	0.8000 MH/TON	27,442.4900	MH	[30.827]	2,482,211	1,509,337	1,126,129	529,584		5,647,262
25.0001	Units/H*	250.0008	Un/Shift	1.2500 Unit/M	72.36	44.00	32.83	15.44		164.63

10350	Top Course			Quan: 17,157.37 TON	Hrs/Shift: 10.00	Cal: 510 WC:NYI287				
<u>PV2</u>	Asp. Pave - Large		686.29 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMAT	HMA Top Course@1	17,157.37	TON	60.000	1,132,386					1,132,386
8API	Asphalt Paver (LG)	2.00	1,372.59 HR	258.150		240,203	114,131			354,334
8APBS	Sweeper	1.00	686.29 HR	62.120		21,769	20,863			42,632
8APLANT	Asphalt Plant & Equi	1.00	686.29 HR	179.070		68,197	54,697			122,894
8D6	CAT D6 Dozer	1.00	686.29 HR	36.120		18,983	5,806			24,789
8L938	CAT 938H Wheel loa	1.00	686.29 HR	56.230		21,021	17,569			38,590
8RPN	Pneumatic roller - 12	2.00	1,372.59 HR	63.750		61,767	25,736			87,503
8RT	Roller - Tandem 10to	2.00	1,372.59 HR	50.000		68,630				68,630
8TDIST	Distribution Truck	1.00	686.29 HR	45.000		30,883				30,883
8TPU	Pickup Truck	1.00	686.29 HR	9.870		2,313	4,461			6,774
8TWT3	Water Truck - 3,000	1.00	686.29 HR	74.470		29,490	21,618			51,108
LAB-A	General Labor - Appr	2.00	1,372.59 MH	28.430	106,513					106,513
LAB-F	General Labor - Fore	1.00	686.29 MH	34.000	58,118					58,118
LAB-J	General Labor - Class	6.00	4,117.77 MH	33.460	345,884					345,884
OP-2	Operator - Medium E	9.00	6,176.65 MH	43.500	597,700					597,700
OP-OIL	Equip Oiler	2.00	1,372.59 MH	43.780	133,311					133,311
\$3,202,048.38	0.7999 MH/TON	13,725.8900	MH	[30.827]	1,241,526	1,132,386	563,255	264,881		3,202,048

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 = 1010300

Description = I-287 Mainline Mill & Pave

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 8,136,962.000 Engr Quan: 0.000

25.0002	Units/H*	250.0017	Un/Shift	1.2500	Unit/M	72.36	66.00	32.83	15.44	186.63
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10400 Tack Coat Quan: 25,724.42 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>PV2</u>	Asp. Pave - Large	514.48	CH	Prod: 50.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMATK	HMA Tack Coat@11	25,724.42	TON	50.000	1,414,843				1,414,843	
8API	Asphalt Paver (LG)	2.00	1,028.98 HR	258.150		180,072	85,560		265,631	
8APBS	Sweeper	1.00	514.49 HR	62.120		16,320	15,640		31,960	
8APLANT	Asphalt Plant & Equi	1.00	514.49 HR	179.070		51,125	41,005		92,130	
8D6	CAT D6 Dozer	1.00	514.49 HR	36.120		14,231	4,353		18,583	
8L938	CAT 938H Wheel loa	1.00	514.49 HR	56.230		15,759	13,171		28,930	
8RPN	Pneumatic roller - 12	2.00	1,028.98 HR	63.750		46,304	19,293		65,597	
8RT	Roller - Tandem 10to	2.00	1,028.98 HR	50.000		51,449			51,449	
8TDIST	Distribution Truck	1.00	514.49 HR	45.000		23,152			23,152	
8TPU	Pickup Truck	1.00	514.49 HR	9.870		1,734	3,344		5,078	
8TWT3	Water Truck - 3,000	1.00	514.49 HR	74.470		22,108	16,206		38,314	
LAB-A	General Labor - Appr	2.00	1,028.98 MH	28.430	79,849				79,849	
LAB-F	General Labor - Fore	1.00	514.49 MH	34.000	43,569				43,569	
LAB-J	General Labor - Class	6.00	3,086.93 MH	33.460	259,295				259,295	
OP-2	Operator - Medium E	9.00	4,630.40 MH	43.500	448,073				448,073	
OP-OIL	Equip Oiler	2.00	1,028.98 MH	43.780	99,938				99,938	
\$2,966,392.78	0.4000 MH/TON	10,289.7800	MH	[15.414]	930,725	1,414,843	422,252	198,573	2,966,393	
50.0008	Units/H*	500.0082	Un/Shift	2.5000	Unit/M	36.18	55.00	16.41	7.72	115.31

10450 Guard Rail Quan: 116,242.31 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>PL1</u>	Place - Install Material	2,324.84	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11	116,242.31	LF	100.000	12,786,654				12,786,654
8CRBMTRK	Boom Truck 20 ton	1.00	2,324.85 HR	102.630		154,254	84,346		238,599
8LFORK	Fork Lift	1.00	2,324.85 HR	43.060		70,001	30,107		100,108
8LIFTS32	Scissor Lift 32'	1.00	2,324.85 HR	29.700		34,524	34,524		69,048

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/>										
BID ITEM = 1010300			Land Item	SCHEDULE: 1	100					
Description = I-287 Mainline Mill & Pave			Unit =	SF	Takeoff Quan:	8,136,962.000	Engr Quan:	0.000		
8SMTTOOLS	Small Tools	4.00	9,299.38 HR	10.000			92,994			92,994
8TPU	Pickup Truck	1.00	2,324.85 HR	9.870			7,835	15,112		22,946
8ZG050	Genset - 50 kW	1.00	2,324.85 HR	19.700			10,462	35,338		45,800
8ZTE	Power Tools - Electri	1.00	2,324.85 HR	10.000			23,249			23,249
NY1	Foreman	1.00	2,324.85 MH	42.000	220,535					220,535
NY2	General Labor	4.00	9,299.38 MH	38.000	834,826					834,826
NY3	Skilled Labor / Operat	5.00	11,624.23 MH	40.000	1,073,102					1,073,102
\$15,507,860.62	0.1999 MH/LF	23,248.4600	MH	[7.88]	2,128,463	12,786,654	393,318	199,426		15,507,861
50.0001	Units/H*	500.0013	Un/Shift	5.0000 Unit/M	18.31	110.00	3.38	1.72		133.41
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10550	Final Line and Grade			Quan: 2,789,815.54	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>GR2</u>	Compact- Large		929.93 CH	Prod: 3,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	929.94 HR	36.120			25,722	7,867		33,589
8L938	CAT 938H Wheel loa	1.00	929.94 HR	56.230			28,484	23,806		52,291
8MG16H	Cat 16H Motorgrader	2.00	1,859.88 HR	102.440			105,437	85,090		190,526
8RSF	Sheepsft Roller	1.00	929.94 HR	32.500			30,223			30,223
8RSW	Steel wheel roller	2.00	1,859.88 HR	56.260			60,093	44,544		104,637
8SMTTOOLS	Small Tools	2.00	1,859.88 HR	10.000			18,599			18,599
8TPU	Pickup Truck	1.00	929.94 HR	9.870			3,134	6,045		9,179
8TWT5	Water Truck - 5,000	1.00	929.94 HR	79.000			41,847	31,618		73,465
NY1	Foreman	1.00	929.94 MH	42.000	88,214					88,214
NY2	General Labor	8.00	7,439.51 MH	38.000	667,861					667,861
NY3	Skilled Labor / Operat	6.00	5,579.63 MH	40.000	515,089					515,089
\$1,783,672.71	0.0050 MH/SF	13,949.0800	MH	[0.195]	1,271,164		313,539	198,970		1,783,673
3,000.0275	Units/H*	30,000.2746	Un/Shift	200.0000 Unit/M	0.46		0.11	0.07		0.64
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10600	Lane Markings			Quan: 232,484.63	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>LM1</u>	Lane Markings		116.24 CH	Prod: 2,000.0003	UH	Lab Pcs: 9.00	Eqp Pcs: 5.00			
2PAINT	Lane Markings@110	232,484.63	LF	1.500		383,600				383,600

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource														
BID ITEM = 1010300			Land Item		SCHEDULE: 1		100							
Description = I-287 Mainline Mill & Pave			Unit =		SF		Takeoff Quan:		8,136,962.000		Engr Quan:		0.000	
8APBS	Sweeper	1.00	116.24	HR	62.120						3,687	3,534	7,221	
8T5T	Flatbed Truck - 5 Ton	1.00	116.24	HR	21.220						502	1,964	2,467	
8TPU	Pickup Truck	2.00	232.48	HR	9.870						783	1,511	2,295	
8TSTRP	Thermo Striper	1.00	116.24	HR	100.000						11,624		11,624	
NY1	Foreman	1.00	116.24	MH	42.000		11,027						11,027	
NY2	General Labor	4.00	464.97	MH	38.000		41,741						41,741	
NY3	Skilled Labor / Operat	4.00	464.97	MH	40.000		42,924						42,924	
\$502,897.70	0.0044 MH/LF		1,046.1800	MH	[0.177]		95,692		383,600		16,597	7,009	502,898	
^{2,000.0398}	Units/H*	20,000.3983	Un/Shift	222.2227	Unit/M		0.41		1.65		0.07	0.03	2.16	
10700	Signage			Quan: 116,242.31		LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>PL1</u>	Place - Install Material	2,324.84		CH	Prod: 50.0000	UH	Lab Pcs: 10.00		Eqp Pcs: 10.00					
2SIGN	Signage@110%	116,242.31		LF	150.000		19,179,981				19,179,981			
8CRBMTRK	Boom Truck 20 ton	1.00	2,324.85	HR	102.630				154,254		84,346	238,599		
8LFORK	Fork Lift	1.00	2,324.85	HR	43.060				70,001		30,107	100,108		
8LIFTS32	Scissor Lift 32'	1.00	2,324.85	HR	29.700				34,524		34,524	69,048		
8SMTTOOLS	Small Tools	4.00	9,299.38	HR	10.000				92,994			92,994		
8TPU	Pickup Truck	1.00	2,324.85	HR	9.870				7,835		15,112	22,946		
8ZG050	Genset - 50 kW	1.00	2,324.85	HR	19.700				10,462		35,338	45,800		
8ZTE	Power Tools - Electri	1.00	2,324.85	HR	10.000				23,249			23,249		
NY1	Foreman	1.00	2,324.85	MH	42.000		220,535					220,535		
NY2	General Labor	4.00	9,299.38	MH	38.000		834,826					834,826		
NY3	Skilled Labor / Operat	5.00	11,624.23	MH	40.000		1,073,102					1,073,102		
\$21,901,187.67	0.1999 MH/LF		23,248.4600	MH	[7.88]		2,128,463		19,179,981		393,318	199,426	21,901,188	
50.0001	Units/H*	500.0013	Un/Shift	5.0000	Unit/M		18.31		165.00		3.38	1.72	188.41	
=====> Item Totals:		1010300 - I-287 Mainline Mill & Pave												
\$69,529,287.89	0.0262 MH/SF		213,847.52	MH	[1.026]		19,476,205		40,312,255		5,768,111	3,100,899	871,818	69,529,288
8.545	8136962 SF					2.39		4.95		0.71	0.38	0.11	8.54	

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/>										
BID ITEM = 1010300			Land Item	SCHEDULE: 1	100					
Description = I-287 Mainline Mill & Pave			Unit = SF	Takeoff Quan:	8,136,962.000		Engr Quan:	0.000		
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals:	1010000 - Pavement & Finishes - HWY									
\$142,254,489.75	4,747.9108 MH/SF	474,791.08 MH	[184479.558]	43,139,297	78,980,831	12,268,300	6,994,132	871,929	142,254,490	
1,422,544.898	100 SF			431,392.97	789,808.31	122,683.00	69,941.32	8,719.29	1,422,544.90	
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PARENT ITEM 1020000
Description = Pavement & Finishes - Local Roads
Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 1020000:

BID ITEM = 1020100
Description = Sideroad New Construction
Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

10050	Earthwork - Excavation			Quan: 277.78 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>EX8</u>	Pavement Removal		6.94 CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00				
4HAUL	Hauling - Sub		277.78 CY	15.000				4,167	4,167	
8AC900	Air Compressor - 900	1.00	6.94 HR	88.850		243	374		617	
8ADDSTM	Addon - Small Tool&	1.00	6.94 HR	2.650		15	3		18	
8APRC	Asphalt Reclaimer (w/	1.00	6.94 HR	215.000		868	625		1,492	
8APRS	Roadway Saw (w/Bla	1.00	6.94 HR	15.000		17	87		104	
8EX350	CAT 350 3 CY Exca	1.00	6.94 HR	220.400		793	737		1,530	
8L950	CAT 950H Wheel Lo	2.00	13.89 HR	66.160		517	402		919	
8SMTTOOLS	Small Tools	2.00	13.89 HR	10.000		139			139	

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/>										
BID ITEM = 1020100			Land Item	SCHEDULE: 1	100					
Description = Sideroad New Construction			Unit =	SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	6.94 HR	9.870			23	45		68
8ZHMR1	Hydraulic Hammer 12	1.00	6.94 HR	12.660			63	25		88
8ZTA	Power Tools - Air	1.00	6.94 HR	10.000			69			69
LAB-A	General Labor - Appr	2.00	13.89 MH	28.430	1,078					1,078
LAB-F	General Labor - Fore	1.00	6.94 MH	34.000	588					588
LAB-J	General Labor - Class	4.00	27.78 MH	33.460	2,333					2,333
OP-2	Operator - Medium E	2.00	13.89 MH	43.500	1,344					1,344
OP-OIL	Equip Oiler	1.00	6.94 MH	43.780	674					674
\$15,228.20	0.2499 MH/CY	69.4400	MH	[8.886]	6,017		2,747	2,297	4,167	15,228
40.0259	Units/H*	400.2594	Un/Shift	4.0003 Unit/M	21.66		9.89	8.27	15.00	54.82
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10100	Grade			Quan: 8,200.00 SF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>GR1</u>	Grading - Grader		8.20 CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	16.40 HR	102.440			930	750		1,680
8SMTTOOLS	Small Tools	2.00	16.40 HR	10.000			164			164
8TPU	Pickup Truck	1.00	8.20 HR	9.870			28	53		81
8TWT5	Water Truck - 5,000	1.00	8.20 HR	79.000			369	279		648
NY1	Foreman	1.00	8.20 MH	42.000	778					778
NY2	General Labor	2.00	16.40 MH	38.000	1,472					1,472
NY3	Skilled Labor / Operat	3.00	24.60 MH	40.000	2,271					2,271
\$7,093.83	0.0060 MH/SF	49.2000	MH	[0.238]	4,521		1,490	1,082		7,094
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667 Unit/M	0.55		0.18	0.13		0.87
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10150	Subbase			Quan: 11.68 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		0.46 CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00		
2SBASE	Sub Base@ 110%		11.68 CY	14.000	180					180
8D6	CAT D6 Dozer	1.00	0.47 HR	36.120			13	4		17
8L938	CAT 938H Wheel loa	1.00	0.47 HR	56.230			14	12		26
8MG16H	Cat 16H Motorgrader	2.00	0.93 HR	102.440			53	43		95

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/>										
BID ITEM = 1020100			Land Item	SCHEDULE: 1	100					
Description = Sideroad New Construction			Unit =	SF	Takeoff Quan:	3,800.000	Engr Quan:		0.000	
8RSF	Sheepsft Roller	1.00	0.47 HR	32.500				15		15
8RSW	Steel wheel roller	2.00	0.93 HR	56.260				30	22	52
8SMTOOLS	Small Tools	2.00	0.93 HR	10.000				9		9
8TPU	Pickup Truck	1.00	0.47 HR	9.870				2	3	5
8TWT5	Water Truck - 5,000	1.00	0.47 HR	79.000				21	16	37
NY1	Foreman	1.00	0.47 MH	42.000	45					45
NY2	General Labor	8.00	3.74 MH	38.000	336					336
NY3	Skilled Labor / Operat	6.00	2.80 MH	40.000	258					258
\$1,075.98	0.6001 MH/CY	7.0100	MH	[23.447]	639	180		157	100	1,076
25.3913	Units/H*	253.9130	Un/Shift	1.6662 Unit/M	54.69	15.40		13.48	8.55	92.12
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10200	Lift 1 Base Course			Quan: 35.04 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		1.40 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	35.04	CY	50.000	1,927					1,927
8D6	CAT D6 Dozer	1.00	1.40 HR	36.120				39	12	51
8L938	CAT 938H Wheel loa	1.00	1.40 HR	56.230				43	36	79
8MG16H	Cat 16H Motorgrader	2.00	2.80 HR	102.440				159	128	287
8RSF	Sheepsft Roller	1.00	1.40 HR	32.500				46		46
8RSW	Steel wheel roller	2.00	2.80 HR	56.260				90	67	158
8SMTOOLS	Small Tools	2.00	2.80 HR	10.000				28		28
8TPU	Pickup Truck	1.00	1.40 HR	9.870				5	9	14
8TWT5	Water Truck - 5,000	1.00	1.40 HR	79.000				63	48	111
NY1	Foreman	1.00	1.40 MH	42.000	133					133
NY2	General Labor	8.00	11.21 MH	38.000	1,006					1,006
NY3	Skilled Labor / Operat	6.00	8.41 MH	40.000	776					776
\$4,614.27	0.5998 MH/CY	21.0200	MH	[23.436]	1,916	1,927		472	300	4,614
25.0286	Units/H*	250.2857	Un/Shift	1.6670 Unit/M	54.67	55.00		13.47	8.55	131.69

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 = 1020100

Description = Sideroad New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

10250 Binder Course		Quan: 47.00 TON		Hrs/Shft: 10.00		Cal: 510 WC:NYI287				
PV1	Asp. Pave - Small	1.88	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAB	HMA Binder Course	47.00	TON	40.000	2,068					2,068
8AP1	Asphalt Paver (LG)	1.00	1.88 HR	258.150		329	156			485
8APBS	Sweeper	1.00	1.88 HR	62.120		60	57			117
8APLANT	Asphalt Plant & Equi	1.00	1.88 HR	179.070		187	150			337
8D6	CAT D6 Dozer	1.00	1.88 HR	36.120		52	16			68
8L938	CAT 938H Wheel loa	1.00	1.88 HR	56.230		58	48			106
8RPN	Pneumatic roller - 12	1.00	1.88 HR	63.750		85	35			120
8RT	Roller - Tandem 10to	1.00	1.88 HR	50.000		94				94
8TDIST	Distribution Truck	1.00	1.88 HR	45.000		85				85
8TPU	Pickup Truck	1.00	1.88 HR	9.870		6	12			19
8TWT3	Water Truck - 3,000	1.00	1.88 HR	74.470		81	59			140
LAB-A	General Labor - Appr	2.00	3.76 MH	28.430	292					292
LAB-F	General Labor - Fore	1.00	1.88 MH	34.000	159					159
LAB-J	General Labor - Class	6.00	11.28 MH	33.460	947					947
OP-2	Operator - Medium E	6.00	11.28 MH	43.500	1,092					1,092
\$6,127.35	0.6000 MH/TON	28.2000	MH	[22.105]	2,490	2,068	1,035	534		6,127
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00	22.03	11.36		130.37

10300 Tack Coat		Quan: 23.00 TON		Hrs/Shft: 10.00		Cal: 510 WC:NYI287				
PV1	Asp. Pave - Small	0.92	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMATK	HMA Tack Coat@11	23.00	TON	50.000	1,265					1,265
8AP1	Asphalt Paver (LG)	1.00	0.92 HR	258.150		161	76			237
8APBS	Sweeper	1.00	0.92 HR	62.120		29	28			57
8APLANT	Asphalt Plant & Equi	1.00	0.92 HR	179.070		91	73			165
8D6	CAT D6 Dozer	1.00	0.92 HR	36.120		25	8			33
8L938	CAT 938H Wheel loa	1.00	0.92 HR	56.230		28	24			52

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/>										
BID ITEM = 1020100		Land Item		SCHEDULE: 1	100					
Description = Sideroad New Construction		Unit =		SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
8RPN	Pneumatic roller - 12	1.00	0.92 HR	63.750			41	17		59
8RT	Roller - Tandem 10to	1.00	0.92 HR	50.000			46			46
8TDIST	Distribution Truck	1.00	0.92 HR	45.000			41			41
8TPU	Pickup Truck	1.00	0.92 HR	9.870			3	6		9
8TWT3	Water Truck - 3,000	1.00	0.92 HR	74.470			40	29		69
LAB-A	General Labor - Appr	2.00	1.84 MH	28.430	143					143
LAB-F	General Labor - Fore	1.00	0.92 MH	34.000	78					78
LAB-J	General Labor - Class	6.00	5.52 MH	33.460	464					464
OP-2	Operator - Medium E	6.00	5.52 MH	43.500	534					534
\$3,251.47	0.6000 MH/TON	13.8000	MH	[22.105]	1,219	1,265	507	261		3,251
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00	22.03	11.36		141.37
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10350	Top Course	Quan: 23.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	0.92 CH		Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1	23.00 TON		60.000	1,518					1,518
8AP1	Asphalt Paver (LG)	1.00	0.92 HR	258.150			161	76		237
8APBS	Sweeper	1.00	0.92 HR	62.120			29	28		57
8APLANT	Asphalt Plant & Equi	1.00	0.92 HR	179.070			91	73		165
8D6	CAT D6 Dozer	1.00	0.92 HR	36.120			25	8		33
8L938	CAT 938H Wheel loa	1.00	0.92 HR	56.230			28	24		52
8RPN	Pneumatic roller - 12	1.00	0.92 HR	63.750			41	17		59
8RT	Roller - Tandem 10to	1.00	0.92 HR	50.000			46			46
8TDIST	Distribution Truck	1.00	0.92 HR	45.000			41			41
8TPU	Pickup Truck	1.00	0.92 HR	9.870			3	6		9
8TWT3	Water Truck - 3,000	1.00	0.92 HR	74.470			40	29		69
LAB-A	General Labor - Appr	2.00	1.84 MH	28.430	143					143
LAB-F	General Labor - Fore	1.00	0.92 MH	34.000	78					78
LAB-J	General Labor - Class	6.00	5.52 MH	33.460	464					464
OP-2	Operator - Medium E	6.00	5.52 MH	43.500	534					534

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 = 1020100

Description = Sideroad New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

\$3,504.47	0.6000 MH/TON	13.8000	MH	[22.105]	1,219	1,518	507	261		3,504
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00	22.03	11.36		152.37

10400 Guard Rail Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

PL1	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000				11,000
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73		205
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000		80			80
8TPU	Pickup Truck	1.00	2.00 HR	9.870		7	13		20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700		9	30		39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000		20			20
NY1	Foreman	1.00	2.00 MH	42.000	190				190
NY2	General Labor	4.00	8.00 MH	38.000	718				718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923				923
\$13,340.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	11,000	338	172	13,341
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	110.00	3.38	1.72	133.41

10450 Final Line and Grade Quan: 3,800.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	1.26	CH	Prod: 3,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	1.27 HR	36.120		35	11		46
8L938	CAT 938H Wheel loa	1.00	1.27 HR	56.230		39	33		71
8MG16H	Cat 16H Motorgrader	2.00	2.53 HR	102.440		143	116		259
8RSF	Sheepsft Roller	1.00	1.27 HR	32.500		41			41
8RSW	Steel wheel roller	2.00	2.53 HR	56.260		82	61		142
8SMTTOOLS	Small Tools	2.00	2.53 HR	10.000		25			25
8TPU	Pickup Truck	1.00	1.27 HR	9.870		4	8		13
8TWT5	Water Truck - 5,000	1.00	1.27 HR	79.000		57	43		100

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/>										
BID ITEM = 1020100		Land Item		SCHEDULE: 1	100					
Description = Sideroad New Construction		Unit =		SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
NY1	Foreman	1.00	1.27 MH	42.000	120					120
NY2	General Labor	8.00	10.13 MH	38.000	909					909
NY3	Skilled Labor / Operat	6.00	7.60 MH	40.000	702					702
\$2,429.65	0.0050 MH/SF	19.0000	MH	[0.195]	1,731		427	271		2,430
3,015.8730	Units/H*	30,158.7302	Un/Shift	200.0000 Unit/M	0.46		0.11	0.07		0.64
<hr/>										
10500	Lane Markings	Quan: 400.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LM1</u>	Lane Markings	0.32	CH	Prod: 1,250.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00				
2PAINT	Lane Markings@110	400.00	LF	1.500	660					660
8APBS	Sweeper	1.00	0.32 HR	62.120		10	10			20
8T5T	Flatbed Truck - 5 Ton	1.00	0.32 HR	21.220		1	5			7
8TPU	Pickup Truck	2.00	0.64 HR	9.870		2	4			6
8TSTRP	Thermo Striper	1.00	0.32 HR	100.000		32				32
NY1	Foreman	1.00	0.32 MH	42.000	30					30
NY2	General Labor	4.00	1.28 MH	38.000	115					115
NY3	Skilled Labor / Operat	4.00	1.28 MH	40.000	118					118
\$988.37	0.0072 MH/LF	2.8800	MH	[0.283]	263	660	46	19		988
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65	0.11	0.05		2.47
<hr/>										
10550	4" Edge Drain Pipe	Quan: 200.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PIPE</u>	Pipe Crew - Trench	8.00	CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 6.00				
24PIPE	4" Edge Drain Pip@1	200.00	LF	14.000	3,080					3,080
8AC900	Air Compressor - 900	1.00	8.00 HR	88.850		280	431			711
8ADDSTM	Addon - Small Tool&	1.00	8.00 HR	2.650		17	4			21
8CRNG40T	Grove RT640E 40 To	1.00	8.00 HR	110.000		640	240			880
8EXGRDALL	Gradall 3 CY	1.00	8.00 HR	220.400		914	849			1,763
8GEN800	Generators 800 KW	1.00	8.00 HR	25.000		120	80			200
8TPU	Pickup Truck	1.00	8.00 HR	9.870		27	52			79
LAB-A	General Labor - Appr	2.00	16.00 MH	28.430	1,242					1,242

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 = 1020100

Description = Sideroad New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

LAB-F	General Labor - Fore	1.00	8.00 MH	34.000	677					677
LAB-J	General Labor - Class	4.00	32.00 MH	33.460	2,688					2,688
OP-2	Operator - Medium E	2.00	16.00 MH	43.500	1,548					1,548
OP-OIL	Equip Oiler	1.00	8.00 MH	43.780	777					777
\$13,666.44	0.4000 MH/LF	80.0000	MH	[14.219]	6,932	3,080		1,998	1,656	13,666
25.0000	Units/H*	250.0000	Un/Shift	2.5000 Unit/M	34.66	15.40		9.99	8.28	68.33

10600 Sidewalk Quan: 1,000.00 SF Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>CC5</u>	Concrete Crew - large	4.00	CH	Prod: 250.0000 UH	Lab Pcs: 19.00			Eqp Pcs: 15.00		
2CONC	Concrete - Ready @1	20.00	CY	141.000	3,102					3,102
2REBAR	Rebar@110%	5,000.00	LBS	0.650	3,575					3,575
8AC1300	Air Compressor - 130	1.00	4.00 HR	131.450			192	334		526
8CONC100	Concrete Conveyer (1	3.00	12.00 HR	23.850			150	136		286
8CONWT	Concrete Work Tools	5.00	20.00 HR	4.310			86			86
8FORM1	Concrete Form Set - S	4.00	16.00 HR	5.000			80			80
8TPU	Pickup Truck	2.00	8.00 HR	9.870			27	52		79
NY1	Foreman	1.00	4.00 MH	42.000	379					379
NY2	General Labor	10.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	8.00	32.00 MH	40.000	2,954					2,954
\$14,658.60	0.0760 MH/SF	76.0000	MH	[2.968]	6,924	6,677		535	522	14,659
250.0000	Units/H*	2,500.0000	Un/Shift	13.1579 Unit/M	6.92	6.68		0.54	0.52	14.66

10650 Landscape Quan: 3,000.00 SF Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>LSC1</u>	Landscape Crew - medium	12.00	CH	Prod: 250.0000 UH	Lab Pcs: 13.00			Eqp Pcs: 10.00		
2LAND	Landscape@110%	3,000.00	SF	2.000	6,600					6,600
8EXBC753M	Bobcat 753 no attach	1.00	12.00 HR	10.920			131			131
8EXBCATT	Bobcat Attachments	1.00	12.00 HR	4.540			54			54
8EXGRDALL	Gradall 3 CY	1.00	12.00 HR	220.400			1,371	1,274		2,645
8HYDMLC	Hydro Mulcher	1.00	12.00 HR	60.000			720			720

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/>										
BID ITEM = 1020100			Land Item	SCHEDULE: 1	100					
Description = Sideroad New Construction			Unit =	SF	Takeoff Quan:	3,800.000	Engr Quan:		0.000	
8SMTTOOLS	Small Tools	4.00	48.00 HR	10.000			480			480
8TPU	Pickup Truck	1.00	12.00 HR	9.870			40	78		118
8TWT3	Water Truck - 3,000	1.00	12.00 HR	74.470			516	378		894
NY1	Foreman	1.00	12.00 MH	42.000	1,138					1,138
NY2	General Labor	8.00	96.00 MH	38.000	8,618					8,618
NY3	Skilled Labor / Operat	4.00	48.00 MH	40.000	4,431					4,431
\$25,830.02	0.0520 MH/SF	156.0000	MH	[2.024]	14,188	6,600	3,313	1,730		25,830
250.0000	Units/H*	2,500.0000	Un/Shift	19.2308 Unit/M	4.73	2.20	1.10	0.58		8.61
<hr/>										
10670	Lane Markings			Quan: 1,200.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>LM1</u>	Lane Markings		0.60 CH	Prod: 2,000.0000 UH	Lab Pcs:	9.00	Eqp Pcs:	5.00		
2PAINT	Lane Markings@110	1,200.00	LF	1.500	1,980					1,980
8APBS	Sweeper	1.00	0.60 HR	62.120			19	18		37
8T5T	Flatbed Truck - 5 Ton	1.00	0.60 HR	21.220			3	10		13
8TPU	Pickup Truck	2.00	1.20 HR	9.870			4	8		12
8TSTRP	Thermo Striper	1.00	0.60 HR	100.000			60			60
NY1	Foreman	1.00	0.60 MH	42.000	57					57
NY2	General Labor	4.00	2.40 MH	38.000	215					215
NY3	Skilled Labor / Operat	4.00	2.40 MH	40.000	222					222
\$2,595.77	0.0045 MH/LF	5.4000	MH	[0.177]	494	1,980	86	36		2,596
2,000.0000	Units/H*	20,000.0000	Un/Shift	222.2222 Unit/M	0.41	1.65	0.07	0.03		2.16
<hr/>										
10700	Signage			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PL1</u>	Place - Install Material		2.00 CH	Prod: 50.0000 UH	Lab Pcs:	10.00	Eqp Pcs:	10.00		
2SIGN	Signage@110%	100.00	LF	150.000	16,500					16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630			133	73		205
8LFORK	Fork Lift	1.00	2.00 HR	43.060			60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700			30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000			80			80

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/>										
BID ITEM = 1020100			Land Item	SCHEDULE: 1	100					
Description = Sideroad New Construction			Unit = SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000			
8TPU	Pickup Truck	1.00	2.00 HR	9.870				7	13	20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700				9	30	39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000				20		20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF		20.0000 MH	[7.88]	1,831	16,500		338	172	18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00		3.38	1.72	188.41
<hr/>										
=====> Item Totals: 1020100 - Sideroad New Construction										
\$133,246.38	0.1530 MH/SF		581.75 MH	[5.815]	52,215	53,455		13,997	9,413	4,167
35.065	3800 SF				13.74	14.07		3.68	2.48	1.10
										133,246
										35.06
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BID ITEM = 1020300			Land Item	SCHEDULE: 1	100					
Description = Sideroad Mill & Pave			Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
<hr/>										
10050	Mill			Quan: 3,600.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287			
<u>CM1</u>	Cold Mill		1.80 CH	Prod: 2,000.0000 UH	Lab Pcs: 17.00	Eqp Pcs: 9.00				
4HAUL	Hauling - Sub		35.00 CY	50.000					1,750	1,750
8ACOLDM1	Cold Milling Machine	1.00	1.80 HR	225.000		405				405
8APBS	Sweeper	1.00	1.80 HR	62.120		57	55			112
8L938	CAT 938H Wheel loa	1.00	1.80 HR	56.230		55	46			101
8MG16H	Cat 16H Motorgrader	1.00	1.80 HR	102.440		102	82			184
8TDUMP18	725 Dump Truck 18.8	4.00	7.20 HR	102.390		413	324			737
8TPU	Pickup Truck	1.00	1.80 HR	9.870		6	12			18
NY1	Foreman	1.00	1.80 MH	42.000	171					171
NY2	General Labor	8.00	14.40 MH	38.000	1,293					1,293

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 = 1020300

Description = Sideroad Mill & Pave

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

NY3	Skilled Labor / Operat	8.00	14.40 MH	40.000	1,329					1,329
\$6,100.19	0.0085 MH/SF	30.6000	MH	[0.333]	2,793		1,039	519	1,750	6,100
2,000.0000	Units/H*	20,000.0000	Un/Shift	117.6471 Unit/M	0.78		0.29	0.14	0.49	1.69

10250 Binder Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

PV1	Asp. Pave - Small	1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00	
2HMAB	HMA Binder Course	30.00 TON	40.000	1,320		1,320
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150	210	100
8APBS	Sweeper	1.00	1.20 HR	62.120	38	36
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070	119	96
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120	33	10
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230	37	31
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750	54	23
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000	60	
8TDIST	Distribution Truck	1.00	1.20 HR	45.000	54	
8TPU	Pickup Truck	1.00	1.20 HR	9.870	4	8
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470	52	38
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186	
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102	
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605	
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697	
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00
					22.03	11.36

10300 Tack Coat **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

PV1	Asp. Pave - Small	1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00	
2HMATK	HMA Tack Coat@11	30.00 TON	50.000	1,650		1,650
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150	210	100
8APBS	Sweeper	1.00	1.20 HR	62.120	38	36

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/>										
BID ITEM = 1020300			Land Item	SCHEDULE: 1	100					
Description = Sideroad Mill & Pave			Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070			119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,241.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,650	661	341		4,241
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00	22.03	11.36		141.37
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10350	Top Course			Quan: 43.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV1</u>	Asp. Pave - Small		1.72 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1		43.00 TON	60.000	2,838					2,838
8AP1	Asphalt Paver (LG)	1.00	1.72 HR	258.150			301	143		444
8APBS	Sweeper	1.00	1.72 HR	62.120			55	52		107
8APLANT	Asphalt Plant & Equi	1.00	1.72 HR	179.070			171	137		308
8D6	CAT D6 Dozer	1.00	1.72 HR	36.120			48	15		62
8L938	CAT 938H Wheel loa	1.00	1.72 HR	56.230			53	44		97
8RPN	Pneumatic roller - 12	1.00	1.72 HR	63.750			77	32		110
8RT	Roller - Tandem 10to	1.00	1.72 HR	50.000			86			86
8TDIST	Distribution Truck	1.00	1.72 HR	45.000			77			77
8TPU	Pickup Truck	1.00	1.72 HR	9.870			6	11		17
8TWT3	Water Truck - 3,000	1.00	1.72 HR	74.470			74	54		128
LAB-A	General Labor - Appr	2.00	3.44 MH	28.430	267					267

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 = 1020300

Description = Sideroad Mill & Pave

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

LAB-F	General Labor - Fore	1.00	1.72 MH	34.000	146					146
LAB-J	General Labor - Class	6.00	10.32 MH	33.460	867					867
OP-2	Operator - Medium E	6.00	10.32 MH	43.500	999					999
\$6,551.86	0.6000 MH/TON	25.8000	MH	[22.105]	2,278	2,838		947	489	6,552
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00		22.03	11.36	152.37

10400 Guard Rail Quan: 100.00 LF Hrs/Shift: 10.00 Cal: 510 WC:NYI287

PL1	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000				11,000	
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73		205	
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26		86	
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30		59	
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000		80			80	
8TPU	Pickup Truck	1.00	2.00 HR	9.870		7	13		20	
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700		9	30		39	
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000		20			20	
NY1	Foreman	1.00	2.00 MH	42.000	190				190	
NY2	General Labor	4.00	8.00 MH	38.000	718				718	
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923				923	
\$13,340.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	11,000		338	172	13,341
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	110.00		3.38	1.72	133.41

10500 Final Line and Grade Quan: 2,400.00 SF Hrs/Shift: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	0.80	CH	Prod: 3,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	0.80 HR	36.120		22	7		29
8L938	CAT 938H Wheel loa	1.00	0.80 HR	56.230		25	20		45
8MG16H	Cat 16H Motorgrader	2.00	1.60 HR	102.440		91	73		164
8RSF	Sheepsft Roller	1.00	0.80 HR	32.500		26			26
8RSW	Steel wheel roller	2.00	1.60 HR	56.260		52	38		90

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/>										
BID ITEM = 1020300			Land Item	SCHEDULE: 1	100					
Description = Sideroad Mill & Pave			Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000		
8SMTTOOLS	Small Tools	2.00	1.60 HR	10.000			16			16
8TPU	Pickup Truck	1.00	0.80 HR	9.870			3	5		8
8TWT5	Water Truck - 5,000	1.00	0.80 HR	79.000			36	27		63
NY1	Foreman	1.00	0.80 MH	42.000	76					76
NY2	General Labor	8.00	6.40 MH	38.000	575					575
NY3	Skilled Labor / Operat	6.00	4.80 MH	40.000	443					443
\$1,534.40	0.0050 MH/SF	12.0000	MH	[0.195]	1,094		270	171		1,534
3,000.0000	Units/H*	30,000.0000	Un/Shift	200.0000 Unit/M	0.46		0.11	0.07		0.64
10550 Lane Markings										
			Quan: 1,200.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
<u>LM1</u>	Lane Markings		0.60 CH	Prod: 2,000.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00				
2PAINT	Lane Markings@110	1,200.00	LF	1.500	1,980					1,980
8APBS	Sweeper	1.00	0.60 HR	62.120			19	18		37
8T5T	Flatbed Truck - 5 Ton	1.00	0.60 HR	21.220			3	10		13
8TPU	Pickup Truck	2.00	1.20 HR	9.870			4	8		12
8TSTRP	Thermo Striper	1.00	0.60 HR	100.000			60			60
NY1	Foreman	1.00	0.60 MH	42.000	57					57
NY2	General Labor	4.00	2.40 MH	38.000	215					215
NY3	Skilled Labor / Operat	4.00	2.40 MH	40.000	222					222
\$2,595.77	0.0045 MH/LF	5.4000	MH	[0.177]	494	1,980	86	36		2,596
2,000.0000	Units/H*	20,000.0000	Un/Shift	222.2222 Unit/M	0.41	1.65	0.07	0.03		2.16
10600 4" Edge Drain Pipe										
			Quan: 100.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large		2.00 CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
24PIPE	4" Edge Drain Pip@1	100.00	LF	14.000	1,540					1,540
8D6	CAT D6 Dozer	1.00	2.00 HR	36.120			55	17		72
8L938	CAT 938H Wheel loa	1.00	2.00 HR	56.230			61	51		112
8MG16H	Cat 16H Motorgrader	2.00	4.00 HR	102.440			227	183		410
8RSF	Sheepsft Roller	1.00	2.00 HR	32.500			65			65

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-Contract	Total
Resource							Material	Matl/Ex Ownershi	Operatio			
BID ITEM = 1020300						Land Item	SCHEDULE:	1	100			
Description = Sideroad Mill & Pave						Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000	
8RSW	Steel wheel roller	2.00	4.00	HR	56.260				129	96		225
8SMTOOLS	Small Tools	2.00	4.00	HR	10.000				40			40
8TPU	Pickup Truck	1.00	2.00	HR	9.870				7	13		20
8TWT5	Water Truck - 5,000	1.00	2.00	HR	79.000				90	68		158
NY1	Foreman	1.00	2.00	MH	42.000	190						190
NY2	General Labor	8.00	16.00	MH	38.000	1,436						1,436
NY3	Skilled Labor / Operat	6.00	12.00	MH	40.000	1,108						1,108
\$5,376.11	0.3000 MH/LF	30.0000	MH	[11.72]		2,734	1,540		674	428		5,376
50.0000	Units/H*	500.0000	Un/Shift	3.3333	Unit/M	27.34	15.40		6.74	4.28		53.76
10650	Signage				Quan: 100.00 LS	Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
PL1	Place - Install Material		2.00	CH	Prod: 50.0000 UH		Lab Pcs: 10.00		Eqp Pcs: 10.00			
8CRBMTRK	Boom Truck 20 ton	1.00	2.00	HR	102.630				133	73		205
8LFORK	Fork Lift	1.00	2.00	HR	43.060				60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00	HR	29.700				30	30		59
8SMTOOLS	Small Tools	4.00	8.00	HR	10.000				80			80
8TPU	Pickup Truck	1.00	2.00	HR	9.870				7	13		20
8ZG050	Genset - 50 kW	1.00	2.00	HR	19.700				9	30		39
8ZTE	Power Tools - Electri	1.00	2.00	HR	10.000				20			20
NY1	Foreman	1.00	2.00	MH	42.000	190						190
NY2	General Labor	4.00	8.00	MH	38.000	718						718
NY3	Skilled Labor / Operat	5.00	10.00	MH	40.000	923						923
\$2,340.98	0.2000 MH/LS	20.0000	MH	[7.88]		1,831			338	172		2,341
50.0000	Units/H*	500.0000	Un/Shift	5.0000	Unit/M	18.31			3.38	1.72		23.41
=====> Item Totals: 1020300 - Sideroad Mill & Pave												
\$45,992.51	0.0749 MH/SF	179.80	MH	[2.877]		16,233	20,328		5,014	2,668	1,750	45,993
19.164	2400 SF					6.76	8.47		2.09	1.11	0.73	19.16

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/>										
BID ITEM = 1020300										
Description = Sideroad Mill & Pave										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000										
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals: 1020000 - Pavement & Finishes - Local Roads										
\$179,238.89 7.6155 MH/SF 761.55 MH [290.034] 68,448 73,783 19,010 12,081 5,917 179,239										
1,792.389 100 SF 684.48 737.83 190.10 120.81 59.17 1,792.39										
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PARENT ITEM 1030000
Description = Pavement & Finishes - BRT Busway Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 1030000:

BID ITEM = 1030100 Land Item SCHEDULE: 1 100
Description = I-287 BRT Busway New Pavement - Station Unit = SF Takeoff Quan: 4,800.000 Engr Quan: 0.000

10025	Prepare and roll base	Quan: 4,800.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NY1287								
<u>GR2</u>	Compact- Large	4.80	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	4.80 HR	36.120		133	41			173
8L938	CAT 938H Wheel loa	1.00	4.80 HR	56.230		147	123			270
8MG16H	Cat 16H Motorgrader	2.00	9.60 HR	102.440		544	439			983
8RSF	Sheepsft Roller	1.00	4.80 HR	32.500		156				156
8RSW	Steel wheel roller	2.00	9.60 HR	56.260		310	230			540
8SMTTOOLS	Small Tools	2.00	9.60 HR	10.000		96				96
8TPU	Pickup Truck	1.00	4.80 HR	9.870		16	31			47
8TWT5	Water Truck - 5,000	1.00	4.80 HR	79.000		216	163			379

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 = 1030100			Land Item	SCHEDULE: 1	100					
Description = I-287 BRT Busway New Pavement - Station				Unit =	SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000	
NY1	Foreman	1.00	4.80 MH	42.000	455					455
NY2	General Labor	8.00	38.40 MH	38.000	3,447					3,447
NY3	Skilled Labor / Operat	6.00	28.80 MH	40.000	2,659					2,659
\$9,206.62	0.0150 MH/SF	72.0000	MH	[0.586]	6,561		1,618	1,027		9,207
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21		1.92
10050	Subbase			Quan: 14.76 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
GR2	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2SBASE	Sub Base@110%		14.76 CY	14.000	227					227
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120		16	5			21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230		18	15			33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440		67	54			121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500		19				19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260		38	28			66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000		12				12
8TPU	Pickup Truck	1.00	0.59 HR	9.870		2	4			6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000		27	20			47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.72 MH	38.000	424					424
NY3	Skilled Labor / Operat	6.00	3.54 MH	40.000	327					327
\$1,358.91	0.5995 MH/CY	8.8500	MH	[23.424]	807	227	199	126		1,359
25.0169	Units/H*	250.1695	Un/Shift	1.6678 Unit/M	54.64	15.40	13.47	8.55		92.07
10100	Lift 1 Base Course			Quan: 59.02 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
GR2	Compact- Large		2.36 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2BASEC	Pavement Base Cou@		59.02 CY	50.000	3,246					3,246
8D6	CAT D6 Dozer	1.00	2.36 HR	36.120		65	20			85
8L938	CAT 938H Wheel loa	1.00	2.36 HR	56.230		72	60			133
8MG16H	Cat 16H Motorgrader	2.00	4.72 HR	102.440		268	216			484

DIRECT COST REPORT

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

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 = 1030100

Land Item SCHEDULE: 1 100
Description = I-287 BRT Busway New Pavement - Station Unit = SF Takeoff Quan: 4,800.000 Engr Quan: 0.000

10200	Binder Course	Quan: 60.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>PV2</u>	Asp. Pave - Large	2.40 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00					
2HMAB	HMA Binder Course	60.00 TON	40.000	2,640						2,640
8AP1	Asphalt Paver (LG)	2.00 4.80 HR	258.150		840 399					1,239
8APBS	Sweeper	1.00 2.40 HR	62.120		76 73					149
8APLANT	Asphalt Plant & Equi	1.00 2.40 HR	179.070		238 191					430
8D6	CAT D6 Dozer	1.00 2.40 HR	36.120		66 20					87
8L938	CAT 938H Wheel loa	1.00 2.40 HR	56.230		74 61					135
8RPN	Pneumatic roller - 12	2.00 4.80 HR	63.750		216 90					306
8RT	Roller - Tandem 10to	2.00 4.80 HR	50.000		240					240
8TDIST	Distribution Truck	1.00 2.40 HR	45.000		108					108
8TPU	Pickup Truck	1.00 2.40 HR	9.870		8 16					24
8TWT3	Water Truck - 3,000	1.00 2.40 HR	74.470		103 76					179
LAB-A	General Labor - Appr	2.00 4.80 MH	28.430	372						372
LAB-F	General Labor - Fore	1.00 2.40 MH	34.000	203						203
LAB-J	General Labor - Class	6.00 14.40 MH	33.460	1,210						1,210
OP-2	Operator - Medium E	9.00 21.60 MH	43.500	2,090						2,090
OP-OIL	Equip Oiler	2.00 4.80 MH	43.780	466						466
\$9,877.65	0.8000 MH/TON	48.0000 MH	[30.827]	4,342 2,640	1,970 926					9,878
25.0000	Units/H*	250.0000 Un/Shift	1.2500 Unit/M	72.36 44.00	32.83 15.44					164.63

10250	Top Course	Quan: 45.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>PV2</u>	Asp. Pave - Large	1.80 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00					
2HMAT	HMA Top Course@1	45.00 TON	60.000	2,970						2,970
8AP1	Asphalt Paver (LG)	2.00 3.60 HR	258.150		630 299					929
8APBS	Sweeper	1.00 1.80 HR	62.120		57 55					112
8APLANT	Asphalt Plant & Equi	1.00 1.80 HR	179.070		179 143					322
8D6	CAT D6 Dozer	1.00 1.80 HR	36.120		50 15					65

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/>										
BID ITEM = 1030100		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway New Pavement - Station		Unit =		SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000		
8L938	CAT 938H Wheel loa	1.00	1.80 HR	56.230				55	46	101
8RPN	Pneumatic roller - 12	2.00	3.60 HR	63.750				162	68	230
8RT	Roller - Tandem 10to	2.00	3.60 HR	50.000				180		180
8TDIST	Distribution Truck	1.00	1.80 HR	45.000				81		81
8TPU	Pickup Truck	1.00	1.80 HR	9.870				6	12	18
8TWT3	Water Truck - 3,000	1.00	1.80 HR	74.470				77	57	134
LAB-A	General Labor - Appr	2.00	3.60 MH	28.430	279					279
LAB-F	General Labor - Fore	1.00	1.80 MH	34.000	152					152
LAB-J	General Labor - Class	6.00	10.80 MH	33.460	907					907
OP-2	Operator - Medium E	9.00	16.20 MH	43.500	1,568					1,568
OP-OIL	Equip Oiler	2.00	3.60 MH	43.780	350					350
\$8,398.24	0.8000 MH/TON	36.0000	MH	[30.827]	3,256	2,970		1,477	695	8,398
25.0000	Units/H*	250.0000	Un/Shift	1.2500 Unit/M	72.36	66.00		32.83	15.44	186.63
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10300	Tack Coat	Quan: 30.00 TON		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>PV2</u>	Asp. Pave - Large	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMATK	HMA Tack Coat@11	30.00	TON	50.000	1,650					1,650
8AP1	Asphalt Paver (LG)	2.00	2.40 HR	258.150				420	200	620
8APBS	Sweeper	1.00	1.20 HR	62.120				38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070				119	96	215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31	67
8RPN	Pneumatic roller - 12	2.00	2.40 HR	63.750				108	45	153
8RT	Roller - Tandem 10to	2.00	2.40 HR	50.000				120		120
8TDIST	Distribution Truck	1.00	1.20 HR	45.000				54		54
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38	89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102

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 = 1030100

Description = I-287 BRT Busway New Pavement - Station	Land Item	SCHEDULE: 1	Unit = SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605		605
OP-2	Operator - Medium E	9.00	10.80 MH	43.500	1,045		1,045
OP-OIL	Equip Oiler	2.00	2.40 MH	43.780	233		233
\$5,268.85	0.8000 MH/TON	24.0000	MH	[30.827]	2,171	1,650	985 463
25.0000	Units/H*	250.0000	Un/Shift	1.2500 Unit/M	72.36	55.00	32.83 15.44
							175.63

10350 Guard Rail **Quan: 100.00 LF** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

PL1	Place - Install Material	3.33	CH	Prod: 30.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000	11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630		221 121
8LFORK	Fork Lift	1.00	3.33 HR	43.060		100 43
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700		49 49
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000		133
8TPU	Pickup Truck	1.00	3.33 HR	9.870		11 22
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700		15 51
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000		33
NY1	Foreman	1.00	3.33 MH	42.000	316	316
NY2	General Labor	4.00	13.33 MH	38.000	1,197	1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539	1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000 563 286
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00 5.63 2.86
						149.01

10400 Concrete Traffic Barrier **Quan: 29.63 CY** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

CC4	Concrete Crew - Medium	3.70	CH	Prod: 8.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 7.00
2CONC	Concrete - Ready @1	29.63	CY	141.000	4,596	4,596
2REBAR	Rebar@110%	7,500.00	LBS	0.650	5,363	5,363
8AC1300	Air Compressor - 130	1.00	3.70 HR	131.450		178 309
8CONC100	Concrete Conveyer (1	1.00	3.70 HR	23.850		46 42
8CONWT	Concrete Work Tools	2.00	7.41 HR	4.310		32
						32

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 = 1030100

Description = I-287 BRT Busway New Pavement - Station Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 4,800.000 Engr Quan: 0.000

8FORM1	Concrete Form Set - S	2.00	7.41 HR	5.000				37		37
8TPU	Pickup Truck	1.00	3.70 HR	9.870				12	24	37
NY1	Foreman	1.00	3.70 MH	42.000	351					351
NY2	General Labor	7.00	25.93 MH	38.000	2,328					2,328
NY3	Skilled Labor / Operat	4.00	14.82 MH	40.000	1,368					1,368
\$14,685.09	1.5001 MH/CY	44.4500	MH	[58.506]	4,047	9,958		305	375	14,685
8.0081	Units/H*	80.0811	Un/Shift	0.6666 Unit/M	136.58	336.08		10.30	12.65	495.62

10450 Final Line and Grade Quan: 4,800.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	2.40	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120		66 20 87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230		74 61 135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440		272 220 492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500		78 78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260		155 115 270
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000		48 48
8TPU	Pickup Truck	1.00	2.40 HR	9.870		8 16 24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000		108 82 190
NY1	Foreman	1.00	2.40 MH	42.000	228	
NY2	General Labor	8.00	19.20 MH	38.000	1,724	
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329	
\$4,603.31	0.0075 MH/SF	36.0000	MH	[0.293]	3,281	809 514 4,603
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333 Unit/M	0.68	0.17 0.11 0.96

10500 Lane Markings Quan: 400.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

LM1	Lane Markings	0.32	CH	Prod: 1,250.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00
2PAINT	Lane Markings@110	400.00	LF	1.500	660	
8APBS	Sweeper	1.00	0.32 HR	62.120		10 10 20
8T5T	Flatbed Truck - 5 Ton	1.00	0.32 HR	21.220		1 5 7

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/>										
BID ITEM = 1030100		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway New Pavement - Station		Unit =		SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000		
8TPU	Pickup Truck	2.00	0.64 HR	9.870				2	4	6
8TSTRP	Thermo Striper	1.00	0.32 HR	100.000				32		32
NY1	Foreman	1.00	0.32 MH	42.000	30					30
NY2	General Labor	4.00	1.28 MH	38.000	115					115
NY3	Skilled Labor / Operat	4.00	1.28 MH	40.000	118					118
\$988.37	0.0072 MH/LF	2.8800	MH	[0.283]	263	660		46	19	988
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65		0.11	0.05	2.47
<hr/>										
10550	4" Edge Drain Pipe	Quan: 100.00 LF		Hrs/Shft: 10.00		Cal: 510 WC:NYI287				
<u>GR2</u>	Compact- Large	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
24PIPE	4" Edge Drain Pip@1	100.00	LF	14.000	1,540					
8D6	CAT D6 Dozer	1.00	2.00 HR	36.120				55	17	72
8L938	CAT 938H Wheel loa	1.00	2.00 HR	56.230				61	51	112
8MG16H	Cat 16H Motorgrader	2.00	4.00 HR	102.440				227	183	410
8RSF	Sheepsft Roller	1.00	2.00 HR	32.500				65		65
8RSW	Steel wheel roller	2.00	4.00 HR	56.260				129	96	225
8SMTTOOLS	Small Tools	2.00	4.00 HR	10.000				40		40
8TPU	Pickup Truck	1.00	2.00 HR	9.870				7	13	20
8TWT5	Water Truck - 5,000	1.00	2.00 HR	79.000				90	68	158
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	8.00	16.00 MH	38.000	1,436					1,436
NY3	Skilled Labor / Operat	6.00	12.00 MH	40.000	1,108					1,108
\$5,376.11	0.3000 MH/LF	30.0000	MH	[11.72]	2,734	1,540		674	428	5,376
50.0000	Units/H*	500.0000	Un/Shift	3.3333 Unit/M	27.34	15.40		6.74	4.28	53.76
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10650	Signage	Quan: 100.00 LF		Hrs/Shft: 10.00		Cal: 510 WC:NYI287				
<u>PL1</u>	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2SIGN	Signage@110%	100.00	LF	150.000	16,500					
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630				133	73	205

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/>										
BID ITEM = 1030100		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway New Pavement - Station		Unit =		SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000		
8LFORK	Fork Lift	1.00	2.00 HR	43.060			60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700			30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000			80			80
8TPU	Pickup Truck	1.00	2.00 HR	9.870			7	13		20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700			9	30		39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000			20			20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	16,500	338	172		18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00	3.38	1.72		188.41
<hr/>										
10675	Landscape	Quan: 2,000.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LSC1</u>	Landscape Crew - medium	8.00	CH	Prod: 250.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				
2LAND	Landscape@110%	2,000.00	SF	2.000	4,400					4,400
8EXBC753M	Bobcat 753 no attach	1.00	8.00 HR	10.920			87			87
8EXBCATT	Bobcat Attachments	1.00	8.00 HR	4.540			36			36
8EXGRDALL	Gradall 3 CY	1.00	8.00 HR	220.400			914	849		1,763
8HYDMLC	Hydro Mulcher	1.00	8.00 HR	60.000			480			480
8SMTTOOLS	Small Tools	4.00	32.00 HR	10.000			320			320
8TPU	Pickup Truck	1.00	8.00 HR	9.870			27	52		79
8TWT3	Water Truck - 3,000	1.00	8.00 HR	74.470			344	252		596
NY1	Foreman	1.00	8.00 MH	42.000	759					759
NY2	General Labor	8.00	64.00 MH	38.000	5,745					5,745
NY3	Skilled Labor / Operat	4.00	32.00 MH	40.000	2,954					2,954
\$17,220.01	0.0520 MH/SF	104.0000	MH	[2.024]	9,458	4,400	2,208	1,153		17,220
250.0000	Units/H*	2,500.0000	Un/Shift	19.2308 Unit/M	4.73	2.20	1.10	0.58		8.61

=====> Item Totals: 1030100 - I-287 BRT Busway New Pavement - Station

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/>										
BID ITEM = 1030100		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway New Pavement - Station				Unit = SF	Takeoff Quan:	4,800.000	Engr Quan:	0.000		
\$126,271.78	0.1104 MH/SF	530.33	MH	[4.304]	48,256	58,038	12,785	7,193		126,272
26.307	4800 SF				10.05	12.09	2.66	1.50		26.31
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BID ITEM = 1030200		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section				Unit = SF	Takeoff Quan:	6,200.000	Engr Quan:	0.000		

10025	Prepare and roll base	Quan: 6,200.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	3.10	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	3.10 HR	36.120		86	26			112
8L938	CAT 938H Wheel loa	1.00	3.10 HR	56.230		95	79			174
8MG16H	Cat 16H Motorgrader	2.00	6.20 HR	102.440		351	284			635
8RSF	Sheepsft Roller	1.00	3.10 HR	32.500		101				101
8RSW	Steel wheel roller	2.00	6.20 HR	56.260		200	148			349
8SMTTOOLS	Small Tools	2.00	6.20 HR	10.000		62				62
8TPU	Pickup Truck	1.00	3.10 HR	9.870		10	20			31
8TWT5	Water Truck - 5,000	1.00	3.10 HR	79.000		140	105			245
NY1	Foreman	1.00	3.10 MH	42.000	294					294
NY2	General Labor	8.00	24.80 MH	38.000	2,226					2,226
NY3	Skilled Labor / Operat	6.00	18.60 MH	40.000	1,717					1,717
\$5,945.91	0.0075 MH/SF	46.5000	MH	[0.293]	4,237	1,045	663			5,946
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333 Unit/M	0.68	0.17	0.11			0.96

10050	Subbase	Quan: 19.06 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	0.76	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2SBASE	Sub Base@110%	19.06	CY	14.000	294					294
8D6	CAT D6 Dozer	1.00	0.76 HR	36.120		21	6			27
8L938	CAT 938H Wheel loa	1.00	0.76 HR	56.230		23	19			43

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/>										
BID ITEM = 1030200			Land Item	SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section			Unit =	SF	Takeoff Quan:	6,200.000	Engr Quan:	0.000		
8MG16H	Cat 16H Motorgrader	2.00	1.52 HR	102.440			86	70		156
8RSF	Sheepsft Roller	1.00	0.76 HR	32.500			25			25
8RSW	Steel wheel roller	2.00	1.52 HR	56.260			49	36		86
8SMTTOOLS	Small Tools	2.00	1.52 HR	10.000			15			15
8TPU	Pickup Truck	1.00	0.76 HR	9.870			3	5		8
8TWT5	Water Truck - 5,000	1.00	0.76 HR	79.000			34	26		60
NY1	Foreman	1.00	0.76 MH	42.000	72					72
NY2	General Labor	8.00	6.10 MH	38.000	548					548
NY3	Skilled Labor / Operat	6.00	4.57 MH	40.000	422					422
\$1,753.93	0.5996 MH/CY	11.4300	MH	[23.427]	1,042	294	256	163		1,754
25.0789	Units/H*	250.7895	Un/Shift	1.6675 Unit/M	54.65	15.40	13.44	8.53		92.02
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10100	Clean Fill			Quan: 555.56 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		22.22 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2FILL	Fill - Borrow@110%		555.56 CY	10.000	6,111					6,111
8D6	CAT D6 Dozer	1.00	22.22 HR	36.120			615	188		803
8L938	CAT 938H Wheel loa	1.00	22.22 HR	56.230			681	569		1,249
8MG16H	Cat 16H Motorgrader	2.00	44.44 HR	102.440			2,519	2,033		4,552
8RSF	Sheepsft Roller	1.00	22.22 HR	32.500			722			722
8RSW	Steel wheel roller	2.00	44.44 HR	56.260			1,436	1,064		2,500
8SMTTOOLS	Small Tools	2.00	44.44 HR	10.000			444			444
8TPU	Pickup Truck	1.00	22.22 HR	9.870			75	144		219
8TWT5	Water Truck - 5,000	1.00	22.22 HR	79.000			1,000	755		1,755
NY1	Foreman	1.00	22.22 MH	42.000	2,108					2,108
NY2	General Labor	8.00	177.78 MH	38.000	15,960					15,960
NY3	Skilled Labor / Operat	6.00	133.33 MH	40.000	12,309					12,309
\$48,733.00	0.5999 MH/CY	333.3300	MH	[23.44]	30,376	6,111	7,492	4,754		48,733
25.0027	Units/H*	250.0270	Un/Shift	1.6667 Unit/M	54.68	11.00	13.48	8.56		87.72

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 = 1030200

Description = I-287 BRT Busway Online Section

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 6,200.000 Engr Quan: 0.000

10150 Lift 1 Base Course		Quan: 85.77 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
GR2	Compact- Large	3.43 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00
2BASEC	Pavement Base Cou@	85.77 CY	50.000	4,717	4,717
8D6	CAT D6 Dozer	1.00 3.43 HR	36.120		95 29 124
8L938	CAT 938H Wheel loa	1.00 3.43 HR	56.230		105 88 193
8MG16H	Cat 16H Motorgrader	2.00 6.86 HR	102.440		389 314 703
8RSF	Sheepsft Roller	1.00 3.43 HR	32.500		111 111
8RSW	Steel wheel roller	2.00 6.86 HR	56.260		222 164 386
8SMTTOOLS	Small Tools	2.00 6.86 HR	10.000		69 69
8TPU	Pickup Truck	1.00 3.43 HR	9.870		12 22 34
8TWT5	Water Truck - 5,000	1.00 3.43 HR	79.000		154 117 271
NY1	Foreman	1.00 3.43 MH	42.000	325	325
NY2	General Labor	8.00 27.45 MH	38.000	2,464	2,464
NY3	Skilled Labor / Operat	6.00 20.58 MH	40.000	1,900	1,900
\$11,297.12	0.5999 MH/CY	51.4600 MH	[23.439]	4,689 4,717	1,156 734 11,297
25.0058	Units/H*	250.0583 Un/Shift	1.6667 Unit/M	54.68 55.00	13.48 8.56 131.71

10200 Lift 2 Base Course		Quan: 85.77 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
GR2	Compact- Large	3.43 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00
2BASEC	Pavement Base Cou@	85.77 CY	50.000	4,717	4,717
8D6	CAT D6 Dozer	1.00 3.43 HR	36.120		95 29 124
8L938	CAT 938H Wheel loa	1.00 3.43 HR	56.230		105 88 193
8MG16H	Cat 16H Motorgrader	2.00 6.86 HR	102.440		389 314 703
8RSF	Sheepsft Roller	1.00 3.43 HR	32.500		111 111
8RSW	Steel wheel roller	2.00 6.86 HR	56.260		222 164 386
8SMTTOOLS	Small Tools	2.00 6.86 HR	10.000		69 69
8TPU	Pickup Truck	1.00 3.43 HR	9.870		12 22 34
8TWT5	Water Truck - 5,000	1.00 3.43 HR	79.000		154 117 271

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/>										
BID ITEM = 1030200			Land Item	SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section			Unit =	SF	Takeoff Quan:	6,200.000	Engr Quan:		0.000	
NY1	Foreman	1.00	3.43 MH	42.000						325
NY2	General Labor	8.00	27.45 MH	38.000						2,464
NY3	Skilled Labor / Operat	6.00	20.58 MH	40.000						1,900
\$11,297.12	0.5999 MH/CY	51.4600	MH	[23.439]	4,689	4,717		1,156	734	11,297
25.0058	Units/H*	250.0583	Un/Shift	1.6667 Unit/M	54.68	55.00		13.48	8.56	131.71

10250	Binder Course			Quan: 76.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV2</u>	Asp. Pave - Large		3.04 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMAB	HMA Binder Course		76.00 TON	40.000		3,344				3,344
8AP1	Asphalt Paver (LG)	2.00	6.08 HR	258.150			1,064	506		1,570
8APBS	Sweeper	1.00	3.04 HR	62.120			96	92		189
8APLANT	Asphalt Plant & Equi	1.00	3.04 HR	179.070			302	242		544
8D6	CAT D6 Dozer	1.00	3.04 HR	36.120			84	26		110
8L938	CAT 938H Wheel loa	1.00	3.04 HR	56.230			93	78		171
8RPN	Pneumatic roller - 12	2.00	6.08 HR	63.750			274	114		388
8RT	Roller - Tandem 10to	2.00	6.08 HR	50.000			304			304
8TDIST	Distribution Truck	1.00	3.04 HR	45.000			137			137
8TPU	Pickup Truck	1.00	3.04 HR	9.870			10	20		30
8TWT3	Water Truck - 3,000	1.00	3.04 HR	74.470			131	96		226
LAB-A	General Labor - Appr	2.00	6.08 MH	28.430	472					472
LAB-F	General Labor - Fore	1.00	3.04 MH	34.000	257					257
LAB-J	General Labor - Class	6.00	18.24 MH	33.460	1,532					1,532
OP-2	Operator - Medium E	9.00	27.36 MH	43.500	2,648					2,648
OP-OIL	Equip Oiler	2.00	6.08 MH	43.780	591					591
\$12,511.71	0.8000 MH/TON	60.8000	MH	[30.827]	5,499	3,344		2,495	1,173	12,512
25.0000	Units/H*	250.0000	Un/Shift	1.2500 Unit/M	72.36	44.00		32.83	15.44	164.63

10300	Top Course			Quan: 60.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV2</u>	Asp. Pave - Large		2.40 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				

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/>										
BID ITEM = 1030200			Land Item	SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section			Unit =	SF	Takeoff Quan:	6,200.000	Engr Quan:	0.000		
2HMAT	HMA Top Course@1		0.00 TON	60.000						
8AP1	Asphalt Paver (LG)	2.00	4.80 HR	258.150			840	399		1,239
8APBS	Sweeper	1.00	2.40 HR	62.120			76	73		149
8APLANT	Asphalt Plant & Equi	1.00	2.40 HR	179.070			238	191		430
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120			66	20		87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230			74	61		135
8RPN	Pneumatic roller - 12	2.00	4.80 HR	63.750			216	90		306
8RT	Roller - Tandem 10to	2.00	4.80 HR	50.000			240			240
8TDIST	Distribution Truck	1.00	2.40 HR	45.000			108			108
8TPU	Pickup Truck	1.00	2.40 HR	9.870			8	16		24
8TWT3	Water Truck - 3,000	1.00	2.40 HR	74.470			103	76		179
LAB-A	General Labor - Appr	2.00	4.80 MH	28.430	372					372
LAB-F	General Labor - Fore	1.00	2.40 MH	34.000	203					203
LAB-J	General Labor - Class	6.00	14.40 MH	33.460	1,210					1,210
OP-2	Operator - Medium E	9.00	21.60 MH	43.500	2,090					2,090
OP-OIL	Equip Oiler	2.00	4.80 MH	43.780	466					466
\$7,237.65	0.8000 MH/CY	48.0000	MH	[30.827]	4,342		1,970	926		7,238
25.0000	Units/H*	250.0000	Un/Shift	1.2500 Unit/M	72.36		32.83	15.44		120.63

10350	Tack Coat			Quan: 40.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV2</u>	Asp. Pave - Large		1.60 CH	Prod: 25.0000 UH	Lab Pcs: 20.00	Eqp Pcs: 13.00				
2HMATK	HMA Tack Coat@11		40.00 TON	50.000	2,200					2,200
8AP1	Asphalt Paver (LG)	2.00	3.20 HR	258.150		560	266			826
8APBS	Sweeper	1.00	1.60 HR	62.120		51	49			99
8APLANT	Asphalt Plant & Equi	1.00	1.60 HR	179.070		159	128			287
8D6	CAT D6 Dozer	1.00	1.60 HR	36.120		44	14			58
8L938	CAT 938H Wheel loa	1.00	1.60 HR	56.230		49	41			90
8RPN	Pneumatic roller - 12	2.00	3.20 HR	63.750		144	60			204
8RT	Roller - Tandem 10to	2.00	3.20 HR	50.000		160				160

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/>										
BID ITEM = 1030200			Land Item	SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section			Unit =	SF	Takeoff Quan:	6,200.000	Engr Quan:		0.000	
8TDIST	Distribution Truck	1.00	1.60 HR	45.000				72		72
8TPU	Pickup Truck	1.00	1.60 HR	9.870				5	10	16
8TWT3	Water Truck - 3,000	1.00	1.60 HR	74.470				69	50	119
LAB-A	General Labor - Appr	2.00	3.20 MH	28.430	248					248
LAB-F	General Labor - Fore	1.00	1.60 MH	34.000	135					135
LAB-J	General Labor - Class	6.00	9.60 MH	33.460	806					806
OP-2	Operator - Medium E	9.00	14.40 MH	43.500	1,393					1,393
OP-OIL	Equip Oiler	2.00	3.20 MH	43.780	311					311
\$7,025.11	0.8000 MH/TON	32.0000	MH	[30.828]	2,894	2,200		1,313	618	7,025
25.0000	Units/H*	250.0000	Un/Shift	1.2500 Unit/M	72.36	55.00		32.83	15.44	175.63
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10400	Guard Rail			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PL1</u>	Place - Install Material		3.33 CH	Prod: 30.0000 UH	Lab Pcs: 10.00		Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11		100.00 LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630				221	121	342
8LFORK	Fork Lift	1.00	3.33 HR	43.060				100	43	143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700				49	49	99
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000				133		133
8TPU	Pickup Truck	1.00	3.33 HR	9.870				11	22	33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700				15	51	66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000				33		33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000		563	286	14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00		5.63	2.86	149.01
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10450	Concrete Traffic Barrier			Quan: 29.63 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>CC4</u>	Concrete Crew - Medium		3.70 CH	Prod: 8.0000 UH	Lab Pcs: 12.00		Eqp Pcs: 7.00			

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/>										
BID ITEM = 1030200		Land Item		SCHEDULE: 1	100					
Description = I-287 BRT Busway Online Section		Unit =		SF	Takeoff Quan:	6,200.000	Engr Quan:	0.000		
2CONC	Concrete - Ready @1	29.63	CY	141.000		4,596				4,596
2REBAR	Rebar@110%	7,500.00	LBS	0.650		5,363				5,363
8AC1300	Air Compressor - 130	1.00	3.70 HR	131.450			178	309		486
8CONC100	Concrete Conveyer (1	1.00	3.70 HR	23.850			46	42		88
8CONWT	Concrete Work Tools	2.00	7.41 HR	4.310			32			32
8FORM1	Concrete Form Set - S	2.00	7.41 HR	5.000			37			37
8TPU	Pickup Truck	1.00	3.70 HR	9.870			12	24		37
NY1	Foreman	1.00	3.70 MH	42.000	351					351
NY2	General Labor	7.00	25.93 MH	38.000	2,328					2,328
NY3	Skilled Labor / Operat	4.00	14.82 MH	40.000	1,368					1,368
\$14,685.09	1.5001 MH/CY	44.4500	MH	[58.506]	4,047	9,958	305	375		14,685
8.0081	Units/H*	80.0811	Un/Shift	0.6666 Unit/M	136.58	336.08	10.30	12.65		495.62
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10500	Final Line and Grade	Quan: 7,800.00 SF		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>GR2</u>	Compact- Large	7.80	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	7.80 HR	36.120		216	66			282
8L938	CAT 938H Wheel loa	1.00	7.80 HR	56.230		239	200			439
8MG16H	Cat 16H Motorgrader	2.00	15.60 HR	102.440		884	714			1,598
8RSF	Sheepsft Roller	1.00	7.80 HR	32.500		254				254
8RSW	Steel wheel roller	2.00	15.60 HR	56.260		504	374			878
8SMTTOOLS	Small Tools	2.00	15.60 HR	10.000		156				156
8TPU	Pickup Truck	1.00	7.80 HR	9.870		26	51			77
8TWT5	Water Truck - 5,000	1.00	7.80 HR	79.000		351	265			616
NY1	Foreman	1.00	7.80 MH	42.000	740					740
NY2	General Labor	8.00	62.40 MH	38.000	5,602					5,602
NY3	Skilled Labor / Operat	6.00	46.80 MH	40.000	4,320					4,320
\$14,960.79	0.0150 MH/SF	117.0000	MH	[0.586]	10,662	2,630	1,669			14,961
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37	0.34	0.21			1.92

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 = 1030200

Description = I-287 BRT Busway Online Section

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 6,200.000 Engr Quan: 0.000

10550 Lane Markings		Quan: 800.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287
<u>LM1</u>	Lane Markings	0.64 CH	Prod: 1,250.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00
2PAINT	Lane Markings@110	800.00 LF	1.500	1,320	1,320
8APBS	Sweeper	1.00 0.64 HR	62.120	20	19 40
8T5T	Flatbed Truck - 5 Ton	1.00 0.64 HR	21.220	3	11 14
8TPU	Pickup Truck	2.00 1.28 HR	9.870	4	8 13
8TSTRP	Thermo Striper	1.00 0.64 HR	100.000	64	64
NY1	Foreman	1.00 0.64 MH	42.000	61	61
NY2	General Labor	4.00 2.56 MH	38.000	230	230
NY3	Skilled Labor / Operat	4.00 2.56 MH	40.000	236	236
\$1,976.81	0.0072 MH/LF	5.7600 MH	[0.283]	527 1,320	91 39 1,977
1,250.0000	Units/H* 12,500.0000 Un/Shift	138.8889 Unit/M	0.66 1.65	0.11 0.05	2.47

10600 4" Edge Drain Pipe		Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287
<u>GR2</u>	Compact- Large	2.00 CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00
24PIPE	4" Edge Drain Pip@1	100.00 LF	14.000	1,540	1,540
8D6	CAT D6 Dozer	1.00 2.00 HR	36.120	55	17 72
8L938	CAT 938H Wheel loa	1.00 2.00 HR	56.230	61	51 112
8MG16H	Cat 16H Motorgrader	2.00 4.00 HR	102.440	227	183 410
8RSF	Sheepsft Roller	1.00 2.00 HR	32.500	65	65
8RSW	Steel wheel roller	2.00 4.00 HR	56.260	129	96 225
8SMTTOOLS	Small Tools	2.00 4.00 HR	10.000	40	40
8TPU	Pickup Truck	1.00 2.00 HR	9.870	7	13 20
8TWT5	Water Truck - 5,000	1.00 2.00 HR	79.000	90	68 158
NY1	Foreman	1.00 2.00 MH	42.000	190	190
NY2	General Labor	8.00 16.00 MH	38.000	1,436	1,436
NY3	Skilled Labor / Operat	6.00 12.00 MH	40.000	1,108	1,108
\$5,376.11	0.3000 MH/LF	30.0000 MH	[11.72]	2,734 1,540	674 428 5,376

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 = 1030200

Description = I-287 BRT Busway Online Section

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 6,200.000 Engr Quan: 0.000

50.0000	Units/H*	500.0000	Un/Shift	3.3333	Unit/M	27.34	15.40	6.74	4.28	53.76
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10700 Sidewalk and curb Quan: 1,600.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>CC5</u>	Concrete Crew - large	64.00	CH	Prod: 25.0000 UH	Lab Pcs: 19.00	Eqp Pcs: 15.00				
2CONC	Concrete - Ready @ 1	30.00	CY	141.000	4,653					4,653
2REBAR	Rebar@110%	8,000.00	LBS	0.650	5,720					5,720
8AC1300	Air Compressor - 130	1.00	64.00	HR			3,072	5,341		8,413
8CONC100	Concrete Conveyer (1	3.00	192.00	HR			2,400	2,179		4,579
8CONWT	Concrete Work Tools	5.00	320.00	HR			1,379			1,379
8FORM1	Concrete Form Set - S	4.00	256.00	HR			1,280			1,280
8TPU	Pickup Truck	2.00	128.00	HR			431	832		1,263
NY1	Foreman	1.00	64.00	MH	42.000	6,071				6,071
NY2	General Labor	10.00	640.00	MH	38.000	57,454				57,454
NY3	Skilled Labor / Operat	8.00	512.00	MH	40.000	47,266				47,266
\$138,078.59	0.7600 MH/SF	1,216.0000	MH	[29.68]	110,791	10,373	8,563	8,352		138,079
25.0000	Units/H*	250.0000	Un/Shift	1.3158	Unit/M	69.24	6.48	5.35	5.22	86.30

10750 Final grade on sides Quan: 5,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>GR2</u>	Compact- Large	5.00	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	5.00	HR	36.120		138	42		181
8L938	CAT 938H Wheel loa	1.00	5.00	HR	56.230		153	128		281
8MG16H	Cat 16H Motorgrader	2.00	10.00	HR	102.440		567	458		1,024
8RSF	Sheepsft Roller	1.00	5.00	HR	32.500		163			163
8RSW	Steel wheel roller	2.00	10.00	HR	56.260		323	240		563
8SMTTOOLS	Small Tools	2.00	10.00	HR	10.000		100			100
8TPU	Pickup Truck	1.00	5.00	HR	9.870		17	33		49
8TWT5	Water Truck - 5,000	1.00	5.00	HR	79.000		225	170		395
NY1	Foreman	1.00	5.00	MH	42.000	474				474
NY2	General Labor	8.00	40.00	MH	38.000	3,591				3,591

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 = 1030200

Description = I-287 BRT Busway Online Section

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 6,200.000 Engr Quan: 0.000

NY3	Skilled Labor / Operat	6.00	30.00 MH	40.000	2,769					2,769
\$9,590.27	0.0150 MH/SF	75.0000	MH	[0.586]	6,835		1,686	1,070		9,590
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21		1.92

10800 Signage **Quan: 100.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

PL1	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2SIGN	Signage@110%	100.00	LF	150.000	16,500				16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73		205
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000		80			80
8TPU	Pickup Truck	1.00	2.00 HR	9.870		7	13		20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700		9	30		39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000		20			20
NY1	Foreman	1.00	2.00 MH	42.000	190				190
NY2	General Labor	4.00	8.00 MH	38.000	718				718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923				923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	16,500	338	172	18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00	3.38	1.72	188.41

10850 Landscape **Quan: 5,000.00 SF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

LSC1	Landscape Crew - medium	20.00	CH	Prod: 250.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00			
2LAND	Landscape@110%	5,000.00	SF	2.000	11,000				11,000
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920		218			218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540		91			91
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400		2,285	2,123		4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000		1,200			1,200
8SMTTOOLS	Small Tools	4.00	80.00 HR	10.000		800			800
8TPU	Pickup Truck	1.00	20.00 HR	9.870		67	130		197

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/>										
BID ITEM = 1030200										
Description = I-287 BRT Busway Online Section										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 6,200.000 Engr Quan: 0.000										
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470				859	630	1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$43,050.03	0.0520 MH/SF	260.0000	MH	[2.024]	23,646	11,000		5,521	2,883	43,050
250.0000	Units/H*	2,500.0000	Un/Shift	19.2308 Unit/M	4.73	2.20		1.10	0.58	8.61
<hr/>										
=====> Item Totals: 1030200 - I-287 BRT Busway Online Section										
\$367,260.76	0.3929 MH/SF	2,436.52	MH	[15.334]	221,894	83,074		37,256	25,037	367,261
59.236	6200 SF				35.79	13.40		6.01	4.04	59.24
<hr/>										
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals: 1030000 - Pavement & Finishes - BRT Busway										
\$493,532.54	29.6685 MH/SF	2,966.85	MH	[1157.349]	270,150	141,112		50,041	32,230	493,533
4,935.325	100 SF				2,701.50	1,411.12		500.41	322.30	4,935.33
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PARENT ITEM 1040000

Description = Pavement & Finishes - Interchange Ramps Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 2,400.000

Listing of Sub-Biditems of Parent Item 1040000:

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 = 1040100

Description = Ramp on Fill < 6' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10025	Prepare and roll base			Quan: 2,400.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
GR2	Compact- Large			1.20	CH	Prod: 2,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
8D6	CAT D6 Dozer	1.00	1.20	HR		36.120			33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR		56.230			37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR		102.440			136	110	246
8RSF	Sheepsft Roller	1.00	1.20	HR		32.500			39		39
8RSW	Steel wheel roller	2.00	2.40	HR		56.260			78	57	135
8SMTTOOLS	Small Tools	2.00	2.40	HR		10.000			24		24
8TPU	Pickup Truck	1.00	1.20	HR		9.870			4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20	HR		79.000			54	41	95
NY1	Foreman	1.00	1.20	MH		42.000	114				114
NY2	General Labor	8.00	9.60	MH		38.000	862				862
NY3	Skilled Labor / Operat	6.00	7.20	MH		40.000	665				665
\$2,301.64	0.0075 MH/SF	18.0000	MH		[0.293]		1,640		405	257	2,302
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333	Unit/M		0.68		0.17	0.11	0.96

10050	Subbase	Quan:		7.00	CY	Hrs/Shft:	10.00	Cal: 510	WC:NYI287
GR2	Compact- Large	0.28	CH	Prod: 25.0000		UH	Lab Pcs:	15.00	Eqp Pcs: 11.00
2SBASE	Sub Base@110%	7.00	CY	14.000			108		108
8D6	CAT D6 Dozer	1.00	0.28	HR	36.120			8	2
8L938	CAT 938H Wheel loa	1.00	0.28	HR	56.230			9	7
8MG16H	Cat 16H Motorgrader	2.00	0.56	HR	102.440			32	26
8RSF	Sheepsft Roller	1.00	0.28	HR	32.500			9	
8RSW	Steel wheel roller	2.00	0.56	HR	56.260			18	13
8SMTTOOLS	Small Tools	2.00	0.56	HR	10.000			6	
8TPU	Pickup Truck	1.00	0.28	HR	9.870			1	2
8TWT5	Water Truck - 5,000	1.00	0.28	HR	79.000			13	10
NY1	Foreman	1.00	0.28	MH	42.000		27		

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 = 1040100

Description = Ramp on Fill < 6' New Construction

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

NY2	General Labor	8.00	2.24 MH	38.000	201					201
NY3	Skilled Labor / Operat	6.00	1.68 MH	40.000	155					155
\$644.81	0.6000 MH/CY	4.2000	MH	[23.44]	383	108		94	60	645
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40		13.48	8.56	92.12

10075 Earthwork - Fill Quan: 1,111.00 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>FILL</u>		Fill and Compact Crew	22.22 CH	Prod: 50.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 5.00	
2FILL	Fill - Borrow@110%	1,111.00 CY	10.000		12,221		12,221
8D06	CAT D6H Dozer	1.00	22.22 HR	99.820		1,189	1,029
8EXGRDALL	Gradall 3 CY	1.00	22.22 HR	220.400		2,539	2,359
8L950	CAT 950H Wheel Lo	1.00	22.22 HR	66.160		827	643
8RSF	Sheepsft Roller	1.00	22.22 HR	32.500		722	
8RVS	Vib steel roller	1.00	22.22 HR	36.550		362	450
LAB-F	General Labor - Fore	1.00	22.22 MH	34.000	1,882		
LAB-J	General Labor - Class	3.00	66.66 MH	33.460	5,599		
LABF	Labor Foreman	1.00	22.22 MH	26.890	1,692		
OP-2	Operator - Medium E	5.00	111.10 MH	43.500	10,751		
OP-OIL	Equip Oiler	1.00	22.22 MH	43.780	2,158		
\$44,422.35	0.2200 MH/CY	244.4200	MH	[8.451]	22,082	12,221	5,639
50.0000	Units/H*	500.0000	Un/Shift	4.5455 Unit/M	19.88	11.00	5.08

10100 Lift 1 Base Course Quan: 30.00 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>GR2</u>		Compact- Large	1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	
2BASEC	Pavement Base Cou@	30.00 CY	50.000		1,650		1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440		136	110
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500		39	
8RSW	Steel wheel roller	2.00	2.40 HR	56.260		78	57

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/>										
BID ITEM = 1040100			Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill < 6' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000			24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72
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10150	Lift 2 Base Course			Quan: 30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	30.00	CY	50.000	1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440			136	110		246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500			39			39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260			78	57		135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000			24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72
<hr/>										
10200	Binder Course			Quan: 30.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV1</u>	Asp. Pave - Small		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 10.00			
2HMAB	HMA Binder Course	30.00	TON	40.000	1,320					1,320

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/>										
BID ITEM = 1040100		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill < 6' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150			210	100		310
8APBS	Sweeper	1.00	1.20 HR	62.120			38	36		75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070			119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320	661	341		3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00	22.03	11.36		130.37

10250	Top Course	Quan: 30.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1	30.00	TON	60.000	1,980					1,980
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150		210	100			310
8APBS	Sweeper	1.00	1.20 HR	62.120		38	36			75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070		119	96			215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10			43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31			67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750		54	23			77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000		60				60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000		54				54
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8			12

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/>										
BID ITEM = 1040100		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill < 6' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980	661	341		4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00	22.03	11.36		152.37
10300	Tack Coat	Quan: 22.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	0.88	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMATK	HMA Tack Coat@11	22.00	TON	50.000	1,210					1,210
8API	Asphalt Paver (LG)	1.00	0.88 HR	258.150			154	73		227
8APBS	Sweeper	1.00	0.88 HR	62.120			28	27		55
8APLANT	Asphalt Plant & Equi	1.00	0.88 HR	179.070			87	70		158
8D6	CAT D6 Dozer	1.00	0.88 HR	36.120			24	7		32
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230			27	23		49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750			40	17		56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000			44			44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000			40			40
8TPU	Pickup Truck	1.00	0.88 HR	9.870			3	6		9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470			38	28		66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430	137					137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000	75					75
LAB-J	General Labor - Class	6.00	5.28 MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]	1,166	1,210	485	250		3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00	22.03	11.36		141.37

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 = 1040100

Description = Ramp on Fill < 6' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10350 Guard Rail		Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
PL1	Place - Install Material	3.33 CH	Prod: 30.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00
2KRAIL	KRail - Jersey Ba@11	100.00 LF	100.000	11,000	11,000
8CRBMTRK	Boom Truck 20 ton	1.00 3.33 HR	102.630		221 121 342
8LFORK	Fork Lift	1.00 3.33 HR	43.060		100 43 143
8LIFTS32	Scissor Lift 32'	1.00 3.33 HR	29.700		49 49 99
8SMTTOOLS	Small Tools	4.00 13.33 HR	10.000		133 133
8TPU	Pickup Truck	1.00 3.33 HR	9.870		11 22 33
8ZG050	Genset - 50 kW	1.00 3.33 HR	19.700		15 51 66
8ZTE	Power Tools - Electri	1.00 3.33 HR	10.000		33 33
NY1	Foreman	1.00 3.33 MH	42.000	316	316
NY2	General Labor	4.00 13.33 MH	38.000	1,197	1,197
NY3	Skilled Labor / Operat	5.00 16.67 MH	40.000	1,539	1,539
\$14,900.54	0.3333 MH/LF	33.3300 MH	[13.132]	3,051 11,000	563 286 14,901
30.0300	Units/H*	300.3003 Un/Shift	3.0003 Unit/M	30.51 110.00	5.63 2.86 149.01

10450 Final Line and Grade		Quan: 2,400.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
GR2	Compact- Large	2.40 CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00
8D6	CAT D6 Dozer	1.00 2.40 HR	36.120		66 20 87
8L938	CAT 938H Wheel loa	1.00 2.40 HR	56.230		74 61 135
8MG16H	Cat 16H Motorgrader	2.00 4.80 HR	102.440		272 220 492
8RSF	Sheepsft Roller	1.00 2.40 HR	32.500		78 78
8RSW	Steel wheel roller	2.00 4.80 HR	56.260		155 115 270
8SMTTOOLS	Small Tools	2.00 4.80 HR	10.000		48 48
8TPU	Pickup Truck	1.00 2.40 HR	9.870		8 16 24
8TWT5	Water Truck - 5,000	1.00 2.40 HR	79.000		108 82 190
NY1	Foreman	1.00 2.40 MH	42.000	228	228
NY2	General Labor	8.00 19.20 MH	38.000	1,724	1,724

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 = 1040100

Description = Ramp on Fill < 6' New Construction		Land Item	SCHEDULE: 1	100	Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000		1,329			1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]		3,281	809	514	4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M		1.37	0.34	0.21	1.92

10500 Lane Markings **Quan: 7,200.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

LM1	Lane Markings	5.76 CH	Prod: 1,250.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00	
2PAINT	Lane Markings@110	7,200.00 LF	1.500	11,880		11,880
8APBS	Sweeper	1.00	5.76 HR	62.120	183	175
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220	25	97
8TPU	Pickup Truck	2.00	11.52 HR	9.870	39	75
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000	576	
NY1	Foreman	1.00	5.76 MH	42.000	546	
NY2	General Labor	4.00	23.04 MH	38.000	2,068	
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127	
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65
					822	347
					0.11	0.05

10550 4" Edge Drain Pipe **Quan: 600.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

GR2	Compact- Large	24.00 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	
24PIPE	4" Edge Drain Pip@1	600.00 LF	14.000	9,240		9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120	664	203
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230	735	614
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440	2,721	2,196
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500	780	
8RSW	Steel wheel roller	2.00	48.00 HR	56.260	1,551	1,150
8SMTTOOLS	Small Tools	2.00	48.00 HR	10.000	480	
8TPU	Pickup Truck	1.00	24.00 HR	9.870	81	156
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000	1,080	816
NY1	Foreman	1.00	24.00 MH	42.000	2,277	

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 = 1040100

Land Item SCHEDULE: 1 100
Description = Ramp on Fill < 6' New Construction Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

NY2	General Labor	8.00	192.00 MH	38.000						17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000						13,294
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240		8,092	5,135	55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40		13.49	8.56	92.12

10650 Signage Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

PL1	Place - Install Material	12.00	CH	Prod: 8.3333 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2SIGN	Signage@110%	100.00	LF	150.000	16,500				16,500
8CRBMTRK	Boom Truck 20 ton	1.00	12.00 HR	102.630		796	435		1,232
8LFORK	Fork Lift	1.00	12.00 HR	43.060		361	155		517
8LIFTS32	Scissor Lift 32'	1.00	12.00 HR	29.700		178	178		356
8SMTTOOLS	Small Tools	4.00	48.00 HR	10.000		480			480
8TPU	Pickup Truck	1.00	12.00 HR	9.870		40	78		118
8ZG050	Genset - 50 kW	1.00	12.00 HR	19.700		54	182		236
8ZTE	Power Tools - Electri	1.00	12.00 HR	10.000		120			120
NY1	Foreman	1.00	12.00 MH	42.000	1,138				1,138
NY2	General Labor	4.00	48.00 MH	38.000	4,309				4,309
NY3	Skilled Labor / Operat	5.00	60.00 MH	40.000	5,539				5,539
\$30,545.87	1.2000 MH/LF	120.0000	MH	[47.28]	10,986	16,500	2,030	1,029	30,546
8.3333	Units/H*	83.3333	Un/Shift	0.8333 Unit/M	109.86	165.00	20.30	10.29	305.46

10700 Landscape Quan: 4,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

LSC1	Landscape Crew - medium	20.00	CH	Prod: 200.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00			
2LAND	Landscape@110%	4,000.00	SF	2.000	8,800				8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920		218			218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540		91			91
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400		2,285	2,123		4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000		1,200			1,200
8SMTTOOLS	Small Tools	4.00	80.00 HR	10.000		800			800

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/>										
BID ITEM = 1040100		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill < 6' New Construction		Unit = SF		Takeoff Quan:	2,400.000	Engr Quan:	0.000			
8TPU	Pickup Truck	1.00	20.00 HR	9.870				67	130	197
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470				859	630	1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800		5,521	2,883	40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20		1.38	0.72	10.21
<hr/>										
=====> Item Totals:		1040100 - Ramp on Fill < 6' New Construction								
\$230,828.87	0.5054 MH/SF	1,212.99	MH	[19.644]	110,242	77,559		26,591	16,436	230,829
96.179	2400 SF				45.93	32.32		11.08	6.85	96.18
<hr/>										

BID ITEM = 1040200			Land Item	SCHEDULE: 1	100				
Description = Ramp on Fill 6' to 15'' New Constructi			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000	
10025	Prepare and roll base		Quan: 2,400.00 SF		Hrs/Shift: 10.00	Cal: 510 WC:NYI287			
GR2	Compact- Large	1.20	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	**Unreviewed		
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10	43	
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31	67	
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440		136	110	246	
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500		39		39	
8RSW	Steel wheel roller	2.00	2.40 HR	56.260		78	57	135	
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000		24		24	
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8	12	
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000		54	41	95	
NY1	Foreman	1.00	1.20 MH	42.000	114			114	

**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/>										
BID ITEM = 1040200										
Description = Ramp on Fill 6' to 15' ' New Constructi										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000										
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]	1,640		405	257		2,302
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333 Unit/M	0.68		0.17	0.11		0.96
10050 Subbase										
Quan: 7.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287										
GR2 Compact- Large 0.28 CH Prod: 25.0000 UH Lab Pcs: 15.00 Eqp Pcs: 11.00										
2SBASE Sub Base@110% 7.00 CY 14.000 108 108										
8D6	CAT D6 Dozer	1.00	0.28 HR	36.120			8	2		10
8L938	CAT 938H Wheel loa	1.00	0.28 HR	56.230			9	7		16
8MG16H	Cat 16H Motorgrader	2.00	0.56 HR	102.440			32	26		57
8RSF	Sheepsft Roller	1.00	0.28 HR	32.500			9			9
8RSW	Steel wheel roller	2.00	0.56 HR	56.260			18	13		32
8SMTTOOLS	Small Tools	2.00	0.56 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.28 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.28 HR	79.000			13	10		22
NY1	Foreman	1.00	0.28 MH	42.000	27					27
NY2	General Labor	8.00	2.24 MH	38.000	201					201
NY3	Skilled Labor / Operat	6.00	1.68 MH	40.000	155					155
\$644.81	0.6000 MH/CY	4.2000	MH	[23.44]	383	108	94	60		645
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40	13.48	8.56		92.12
10075 Earthwork - Fill										
Quan: 3,611.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287										
FILL Fill and Compact Crew 72.22 CH Prod: 50.0000 UH Lab Pcs: 11.00 Eqp Pcs: 5.00										
2FILL Fill - Borrow@110% 3,611.00 CY 10.000 39,721 39,721										
8D06	CAT D6H Dozer	1.00	72.22 HR	99.820			3,865	3,344		7,209
8EXGRDALL	Gradall 3 CY	1.00	72.22 HR	220.400			8,251	7,666		15,917
8L950	CAT 950H Wheel Lo	1.00	72.22 HR	66.160			2,687	2,091		4,778

**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
BID ITEM = 1040200			Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill 6' to 15' ' New Constructi				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
8RSF	Sheepsft Roller	1.00	72.22 HR	32.500				2,347		2,347
8RVS	Vib steel roller	1.00	72.22 HR	36.550				1,177	1,462	2,640
LAB-F	General Labor - Fore	1.00	72.22 MH	34.000	6,116					6,116
LAB-J	General Labor - Class	3.00	216.66 MH	33.460	18,199					18,199
LABF	Labor Foreman	1.00	72.22 MH	26.890	5,499					5,499
OP-2	Operator - Medium E	5.00	361.10 MH	43.500	34,943					34,943
OP-OIL	Equip Oiler	1.00	72.22 MH	43.780	7,014					7,014
\$144,382.65	0.2200 MH/CY	794.4200	MH	[8.451]	71,771	39,721		18,328	14,563	144,383
50.0000	Units/H*	500.0000	Un/Shift	4.5455 Unit/M	19.88	11.00		5.08	4.03	39.98
10100	Lift 1 Base Course			Quan: 30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
GR2	Compact- Large		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@		30.00 CY	50.000	1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110	246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500				39		39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260				78	57	135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000				24		24
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41	95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650		405	257	3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00		13.49	8.56	131.72

**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 = 1040200

Description = Ramp on Fill 6' to 15' ' New Constructi

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10150 Lift 2 Base Course Quan: 30.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
2BASEC	Pavement Base Cou@	30.00	CY		50.000	1,650			1,650
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110	246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39		39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57	135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24		24
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000		54	41	95
NY1	Foreman	1.00	1.20	MH	42.000	114			114
NY2	General Labor	8.00	9.60	MH	38.000	862			862
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665			665
\$3,951.64	0.6000 MH/CY	18.0000	MH		[23.44]	1,640	1,650	405	257
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	55.00	13.49	8.56
									131.72

10200 Binder Course Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAB	HMA Binder Course	30.00	TON		40.000	1,320			1,320
8AP1	Asphalt Paver (LG)	1.00	1.20	HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20	HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20	HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20	HR	63.750		54	23	77
8RT	Roller - Tandem 10to	1.00	1.20	HR	50.000		60		60

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1040200										
Description = Ramp on Fill 6' to 15' ' New Constructi		Land Item		SCHEDULE: 1	100					
		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8TDIST	Distribution Truck	1.00	1.20 HR	45.000				54		54
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38	89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320		661	341	3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00		22.03	11.36	130.37

10250 Top Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1	30.00	TON	60.000	1,980					1,980
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150		210	100			310
8APBS	Sweeper	1.00	1.20 HR	62.120		38	36			75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070		119	96			215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10			43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31			67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750		54	23			77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000		60				60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000		54				54
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8			12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470		52	38			89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980		661	341	4,571

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 = 1040200				Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill 6' to 15' ' New Constructi				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	52.98	66.00	22.03	11.36		152.37
10300	Tack Coat			Quan:	22.00	TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
											**Unreviewed
<u>PV1</u>	Asp. Pave - Small		0.88	CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	10.00		
2HMATK	HMA Tack Coat@11		22.00	TON	50.000	1,210					1,210
8API	Asphalt Paver (LG)	1.00	0.88	HR	258.150			154	73		227
8APBS	Sweeper	1.00	0.88	HR	62.120			28	27		55
8APLANT	Asphalt Plant & Equi	1.00	0.88	HR	179.070			87	70		158
8D6	CAT D6 Dozer	1.00	0.88	HR	36.120			24	7		32
8L938	CAT 938H Wheel loa	1.00	0.88	HR	56.230			27	23		49
8RPN	Pneumatic roller - 12	1.00	0.88	HR	63.750			40	17		56
8RT	Roller - Tandem 10to	1.00	0.88	HR	50.000			44			44
8TDIST	Distribution Truck	1.00	0.88	HR	45.000			40			40
8TPU	Pickup Truck	1.00	0.88	HR	9.870			3	6		9
8TWT3	Water Truck - 3,000	1.00	0.88	HR	74.470			38	28		66
LAB-A	General Labor - Appr	2.00	1.76	MH	28.430	137					137
LAB-F	General Labor - Fore	1.00	0.88	MH	34.000	75					75
LAB-J	General Labor - Class	6.00	5.28	MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28	MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]		1,166	1,210	485	250		3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	52.98	55.00	22.03	11.36		141.37
10350	Guard Rail			Quan:	100.00	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
											**Unreviewed
<u>PL1</u>	Place - Install Material		3.33	CH	Prod: 30.0003 UH	Lab Pcs:	10.00	Eqp Pcs:	10.00		
2KRAIL	KRail - Jersey Ba@11		100.00	LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33	HR	102.630			221	121		342
8LFORK	Fork Lift	1.00	3.33	HR	43.060			100	43		143
8LIFTS32	Scissor Lift 32'	1.00	3.33	HR	29.700			49	49		99

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/>										
BID ITEM = 1040200			Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill 6' to 15' ' New Constructi			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000			133			133
8TPU	Pickup Truck	1.00	3.33 HR	9.870			11	22		33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700			15	51		66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000			33			33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00	5.63	2.86		149.01
<hr/>										
10450	Final Line and Grade			Quan: 2,400.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
										**Unreviewed
<u>GR2</u>	Compact- Large		2.40 CH	Prod: 1,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120			66	20		87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230			74	61		135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440			272	220		492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500			78			78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260			155	115		270
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000			48			48
8TPU	Pickup Truck	1.00	2.40 HR	9.870			8	16		24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000			108	82		190
NY1	Foreman	1.00	2.40 MH	42.000	228					228
NY2	General Labor	8.00	19.20 MH	38.000	1,724					1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329					1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281		809	514		4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21		1.92
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10500	Lane Markings			Quan: 7,200.00	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
										**Unreviewed
<u>LM1</u>	Lane Markings		5.76 CH	Prod: 1,250.0000	UH	Lab Pcs: 9.00	Eqp Pcs: 5.00			

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/>										
BID ITEM = 1040200		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill 6' to 15' ' New Constructi		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
2PAINT	Lane Markings@110	7,200.00	LF	1.500		11,880				11,880
8APBS	Sweeper	1.00	5.76 HR	62.120			183	175		358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220			25	97		122
8TPU	Pickup Truck	2.00	11.52 HR	9.870			39	75		114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000			576			576
NY1	Foreman	1.00	5.76 MH	42.000	546					546
NY2	General Labor	4.00	23.04 MH	38.000	2,068					2,068
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127					2,127
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880	822	347		17,791
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889	Unit/M	0.66	1.65	0.11	0.05	2.47
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10550	4" Edge Drain Pipe	Quan: 600.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	24.00	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
24PIPE	4" Edge Drain Pip@1	600.00	LF	14.000	9,240					9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120		664	203			867
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230		735	614			1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440		2,721	2,196			4,917
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500		780				780
8RSW	Steel wheel roller	2.00	48.00 HR	56.260		1,551	1,150			2,700
8SMTOOLS	Small Tools	2.00	48.00 HR	10.000		480				480
8TPU	Pickup Truck	1.00	24.00 HR	9.870		81	156			237
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000		1,080	816			1,896
NY1	Foreman	1.00	24.00 MH	42.000	2,277					2,277
NY2	General Labor	8.00	192.00 MH	38.000	17,236					17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000	13,294					13,294
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240	8,092	5,135		55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	15.40	13.49	8.56	92.12

**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
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BID ITEM = 1040200

Description = Ramp on Fill 6' to 15' ' New Constructi

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10650 Signage Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>PL1</u>	Place - Install Material		2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00		
2SIGN	Signage@110%	100.00	LF		150.000	16,500			16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00	HR	102.630		133	73	205
8LFORK	Fork Lift	1.00	2.00	HR	43.060		60	26	86
8LIFTS32	Scissor Lift 32'	1.00	2.00	HR	29.700		30	30	59
8SMTOOLS	Small Tools	4.00	8.00	HR	10.000		80		80
8TPU	Pickup Truck	1.00	2.00	HR	9.870		7	13	20
8ZG050	Genset - 50 kW	1.00	2.00	HR	19.700		9	30	39
8ZTE	Power Tools - Electri	1.00	2.00	HR	10.000		20		20
NY1	Foreman	1.00	2.00	MH	42.000	190			190
NY2	General Labor	4.00	8.00	MH	38.000	718			718
NY3	Skilled Labor / Operat	5.00	10.00	MH	40.000	923			923
\$18,840.98	0.2000 MH/LF	20.0000	MH		[7.88]	1,831	16,500	338	172
50.0000	Units/H*	500.0000	Un/Shift	5.0000	Unit/M	18.31	165.00	3.38	1.72
									188.41

10700 Landscape Quan: 4,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>LSC1</u>	Landscape Crew - medium		20.00	CH	Prod: 200.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00		
2LAND	Landscape@110%	4,000.00	SF		2.000	8,800			8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00	HR	10.920		218		218
8EXBCATT	Bobcat Attachments	1.00	20.00	HR	4.540		91		91
8EXGRDALL	Gradall 3 CY	1.00	20.00	HR	220.400		2,285	2,123	4,408
8HYDMLC	Hydro Mulcher	1.00	20.00	HR	60.000		1,200		1,200
8SMTOOLS	Small Tools	4.00	80.00	HR	10.000		800		800
8TPU	Pickup Truck	1.00	20.00	HR	9.870		67	130	197
8TWT3	Water Truck - 3,000	1.00	20.00	HR	74.470		859	630	1,489
NY1	Foreman	1.00	20.00	MH	42.000	1,897			1,897

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/>										
BID ITEM = 1040200		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill 6' to 15' ' New Constructi		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800	5,521	2,883		40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20	1.38	0.72		10.21
<hr/>										
=====> Item Totals: 1040200 - Ramp on Fill 6' to 15' ' New Constructi										
\$319,084.28	0.6929 MH/SF	1,662.99	MH	[26.806]	150,776	105,059	37,589	25,661		319,084
132.952	2400 SF				62.82	43.77	15.66	10.69		132.95
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BID ITEM = 1040300		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill 15' to 25' New Constructio		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		

10025 Prepare and roll base Quan: 2,400.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large	1.20	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10			43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31			67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440		136	110			246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500		39				39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260		78	57			135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000		24				24
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8			12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000		54	41			95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]	1,640	405	257			2,302

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 1040300			Land Item	SCHEDULE:	1	100								
Description = Ramp on Fill 15' to 25' New Constructio			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:					0.000		
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333	Unit/M	0.68				0.17	0.11			0.96
10050	Subbase			Quan:	7.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
														**Unreviewed
GR2	Compact- Large		0.28	CH	Prod:	25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	11.00			
2SBASE	Sub Base@110%		7.00	CY		14.000		108						108
8D6	CAT D6 Dozer	1.00	0.28	HR		36.120				8	2			10
8L938	CAT 938H Wheel loa	1.00	0.28	HR		56.230				9	7			16
8MG16H	Cat 16H Motorgrader	2.00	0.56	HR		102.440				32	26			57
8RSF	Sheepsft Roller	1.00	0.28	HR		32.500				9				9
8RSW	Steel wheel roller	2.00	0.56	HR		56.260				18	13			32
8SMTTOOLS	Small Tools	2.00	0.56	HR		10.000				6				6
8TPU	Pickup Truck	1.00	0.28	HR		9.870				1	2			3
8TWT5	Water Truck - 5,000	1.00	0.28	HR		79.000				13	10			22
NY1	Foreman	1.00	0.28	MH		42.000		27						27
NY2	General Labor	8.00	2.24	MH		38.000		201						201
NY3	Skilled Labor / Operat	6.00	1.68	MH		40.000		155						155
\$644.81	0.6000 MH/CY		4.2000	MH		[23.44]		383	108	94	60			645
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M		54.68	15.40		13.48	8.56			92.12
10075	Earthwork - Fill			Quan:	6,944.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
														**Unreviewed
FILL	Fill and Compact Crew		138.88	CH	Prod:	50.0000	UH	Lab Pcs:	11.00	Eqp Pcs:	5.00			
2FILL	Fill - Borrow@110%		6,944.00	CY		10.000		76,384						76,384
8D06	CAT D6H Dozer	1.00	138.88	HR		99.820				7,433	6,430			13,863
8EXGRDALL	Gradall 3 CY	1.00	138.88	HR		220.400				15,867	14,742			30,609
8L950	CAT 950H Wheel Lo	1.00	138.88	HR		66.160				5,168	4,021			9,188
8RSF	Sheepsft Roller	1.00	138.88	HR		32.500				4,514				4,514
8RVS	Vib steel roller	1.00	138.88	HR		36.550				2,264	2,812			5,076
LAB-F	General Labor - Fore	1.00	138.88	MH		34.000		11,761						11,761

**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/>										
BID ITEM = 1040300										
Description = Ramp on Fill 15' to 25' New Constructio										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000										
LAB-J	General Labor - Class	3.00	416.64 MH	33.460	34,997					34,997
LABF	Labor Foreman	1.00	138.88 MH	26.890	10,574					10,574
OP-2	Operator - Medium E	5.00	694.40 MH	43.500	67,195					67,195
OP-OIL	Equip Oiler	1.00	138.88 MH	43.780	13,489					13,489
\$277,649.76	0.2200 MH/CY	1,527.6800	MH	[8.451]	138,016	76,384	35,245	28,005		277,650
50.0000	Units/H*	500.0000	Un/Shift	4.5455 Unit/M	19.88	11.00	5.08	4.03		39.98
10100 Lift 1 Base Course										
Quan: 30.00 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287										
GR2 Compact- Large 1.20 CH Prod: 25.0000 UH Lab Pcs: 15.00 Eqp Pcs: 11.00										
2BASEC	Pavement Base Cou@	30.00	CY	50.000	1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440			136	110		246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500			39			39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260			78	57		135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000			24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72
10150 Lift 2 Base Course										
Quan: 30.00 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287										
GR2 Compact- Large 1.20 CH Prod: 25.0000 UH Lab Pcs: 15.00 Eqp Pcs: 11.00										
2BASEC	Pavement Base Cou@	30.00	CY	50.000	1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43

**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/>										
BID ITEM = 1040300		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill 15' to 25' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440			136	110		246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500			39			39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260			78	57		135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000			24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72

10200 Binder Course **Quan: 30.00 TON** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

PV1	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAB	HMA Binder Course	30.00	TON	40.000	1,320					1,320
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150			210	100		310
8APBS	Sweeper	1.00	1.20 HR	62.120			38	36		75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070			119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102

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 = 1040300			Land Item	SCHEDULE: 1	100						
Description = Ramp on Fill 15' to 25' New Constructio				Unit = SF	Takeoff Quan:	2,400.000		Engr Quan:		0.000	
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605						605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697						697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320		661	341		3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00		22.03	11.36		130.37
10250	Top Course			Quan: 30.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
PV1	Asp. Pave - Small		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00			Eqp Pcs: 10.00			
2HMAT	HMA Top Course@1		30.00 TON	60.000	1,980						1,980
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150				210	100		310
8APBS	Sweeper	1.00	1.20 HR	62.120				38	36		75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070				119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750				54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000				60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000				54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186						186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102						102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605						605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697						697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980		661	341		4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00		22.03	11.36		152.37
10300	Tack Coat			Quan: 22.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
PV1	Asp. Pave - Small		0.88 CH	Prod: 25.0000 UH	Lab Pcs: 15.00			Eqp Pcs: 10.00			
2HMATK	HMA Tack Coat@11		22.00 TON	50.000	1,210						1,210

**Unreviewed

**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 = 1040300

Description = Ramp on Fill 15' to 25' New Constructio
Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

8AP1	Asphalt Paver (LG)	1.00	0.88 HR	258.150				154	73	227
8APBS	Sweeper	1.00	0.88 HR	62.120				28	27	55
8APLANT	Asphalt Plant & Equi	1.00	0.88 HR	179.070				87	70	158
8D6	CAT D6 Dozer	1.00	0.88 HR	36.120				24	7	32
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230				27	23	49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750				40	17	56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000				44		44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000				40		40
8TPU	Pickup Truck	1.00	0.88 HR	9.870				3	6	9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470				38	28	66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430	137					137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000	75					75
LAB-J	General Labor - Class	6.00	5.28 MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]	1,166	1,210		485	250	3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00		22.03	11.36	141.37

10350 Guard Rail **Quan: 100.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>PL1</u>	Place - Install Material	3.33	CH	Prod: 30.0003 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000				11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630		221	121		342
8LFORK	Fork Lift	1.00	3.33 HR	43.060		100	43		143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700		49	49		99
8SMTOOLS	Small Tools	4.00	13.33 HR	10.000		133			133
8TPU	Pickup Truck	1.00	3.33 HR	9.870		11	22		33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700		15	51		66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000		33			33
NY1	Foreman	1.00	3.33 MH	42.000	316				316

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs										Contract	
BID ITEM = 1040300			Land Item	SCHEDULE:	1	100							
Description = Ramp on Fill 15' to 25' New Constructio				Unit =	SF	Takeoff Quan:	2,400.000		Engr Quan:			0.000	
NY2	General Labor	4.00	13.33 MH		38.000	1,197							1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH		40.000	1,539							1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH		[13.132]	3,051	11,000		563	286			14,901
30.0300	Units/H*	300.3003	Un/Shift		3.0003 Unit/M	30.51	110.00		5.63	2.86			149.01
10450	Final Line and Grade			Quan:	2,400.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
													**Unreviewed
GR2	Compact- Large		2.40 CH	Prod:	1,000.0000 UH	Lab Pcs:	15.00		Eqp Pcs:	11.00			
8D6	CAT D6 Dozer	1.00	2.40 HR		36.120				66	20			87
8L938	CAT 938H Wheel loa	1.00	2.40 HR		56.230				74	61			135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR		102.440				272	220			492
8RSF	Sheepsft Roller	1.00	2.40 HR		32.500				78				78
8RSW	Steel wheel roller	2.00	4.80 HR		56.260				155	115			270
8SMTTOOLS	Small Tools	2.00	4.80 HR		10.000				48				48
8TPU	Pickup Truck	1.00	2.40 HR		9.870				8	16			24
8TWT5	Water Truck - 5,000	1.00	2.40 HR		79.000				108	82			190
NY1	Foreman	1.00	2.40 MH		42.000	228							228
NY2	General Labor	8.00	19.20 MH		38.000	1,724							1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH		40.000	1,329							1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH		[0.586]	3,281			809	514			4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift		66.6667 Unit/M	1.37			0.34	0.21			1.92
10500	Lane Markings			Quan:	7,200.00 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
													**Unreviewed
LM1	Lane Markings		5.76 CH	Prod:	1,250.0000 UH	Lab Pcs:	9.00		Eqp Pcs:	5.00			
2PAINT	Lane Markings@110		7,200.00 LF		1.500	11,880							11,880
8APBS	Sweeper	1.00	5.76 HR		62.120				183	175			358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR		21.220				25	97			122
8TPU	Pickup Truck	2.00	11.52 HR		9.870				39	75			114
8TSTRP	Thermo Striper	1.00	5.76 HR		100.000				576				576

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
BID ITEM = 1040300			Land Item	SCHEDULE: 1		100									
Description = Ramp on Fill 15' to 25' New Constructio			Unit =	SF	Takeoff	Quan:	2,400.000	Engr	Quan:	0.000					
NY1	Foreman	1.00	5.76	MH	42.000	546									
NY2	General Labor	4.00	23.04	MH	38.000	2,068									
NY3	Skilled Labor / Operat	4.00	23.04	MH	40.000	2,127									
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880	822	347							
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889	Unit/M	0.66	1.65	0.11	0.05						
10550		4" Edge Drain Pipe			Quan:	600.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
**Unreviewed															
<u>GR2</u>	Compact- Large		24.00	CH	Prod: 25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	11.00					
24PIPE	4" Edge Drain Pip@1		600.00	LF	14.000		9,240								
8D6	CAT D6 Dozer	1.00	24.00	HR	36.120				664	203					
8L938	CAT 938H Wheel loa	1.00	24.00	HR	56.230				735	614					
8MG16H	Cat 16H Motorgrader	2.00	48.00	HR	102.440				2,721	2,196					
8RSF	Sheepsft Roller	1.00	24.00	HR	32.500				780						
8RSW	Steel wheel roller	2.00	48.00	HR	56.260				1,551	1,150					
8SMTTOOLS	Small Tools	2.00	48.00	HR	10.000				480						
8TPU	Pickup Truck	1.00	24.00	HR	9.870				81	156					
8TWT5	Water Truck - 5,000	1.00	24.00	HR	79.000				1,080	816					
NY1	Foreman	1.00	24.00	MH	42.000	2,277									
NY2	General Labor	8.00	192.00	MH	38.000	17,236									
NY3	Skilled Labor / Operat	6.00	144.00	MH	40.000	13,294									
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240	8,092	5,135							
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	15.40	13.49	8.56						
10650		Signage			Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
**Unreviewed															
<u>PL1</u>	Place - Install Material		2.00	CH	Prod: 50.0000	UH	Lab Pcs:	10.00	Eqp Pcs:	10.00					
2SIGN	Signage@110%		100.00	LF	150.000		16,500								
8CRBMTRK	Boom Truck 20 ton	1.00	2.00	HR	102.630				133	73					
8LFORK	Fork Lift	1.00	2.00	HR	43.060				60	26					

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/>										
BID ITEM = 1040300		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill 15' to 25' New Constructio		Unit =		SF	Takeoff Quan:		2,400.000	Engr Quan:	0.000	
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700				30	30	59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000				80		80
8TPU	Pickup Truck	1.00	2.00 HR	9.870				7	13	20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700				9	30	39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000				20		20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	16,500		338	172	18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00		3.38	1.72	188.41
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10700	Landscape	Quan: 4,000.00 SF		Hrs/Shft: 10.00	Cal: 510 WC:NYI287					
<u>LSC1</u>	Landscape Crew - medium	20.00	CH	Prod: 200.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				
2LAND	Landscape@110%	4,000.00	SF	2.000	8,800					8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920				218		218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540				91		91
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400				2,285	2,123	4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000				1,200		1,200
8SMTTOOLS	Small Tools	4.00	80.00 HR	10.000				800		800
8TPU	Pickup Truck	1.00	20.00 HR	9.870				67	130	197
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470				859	630	1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800		5,521	2,883	40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20		1.38	0.72	10.21
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=====> Item Totals:		1040300 - Ramp on Fill 15' to 25' New Constructio								

**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/>										
BID ITEM = 1040300			Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill 15' to 25' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
\$452,351.39	0.9984 MH/SF	2,396.25	MH	[38.542]	217,021	141,722	54,506	39,103		452,351
188.480	2400 SF				90.43	59.05	22.71	16.29		188.48
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BID ITEM = 1040400			Land Item	SCHEDULE: 1	100					
Description = Ramp on Fill + 25' New Construction				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		

10025	Prepare and roll base			Quan: 2,400.00 SF	Hrs/Shft: 10.00	Cal: 510 WC:NYI287				
<u>GR2</u>	Compact- Large		1.20 CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10			43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31			67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440		136	110			246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500		39				39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260		78	57			135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000		24				24
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8			12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000		54	41			95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]	1,640	405	257			2,302
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333 Unit/M	0.68	0.17	0.11			0.96

10050	Subbase			Quan: 7.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287				
<u>GR2</u>	Compact- Large		0.28 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2SBASE	Sub Base@110%	7.00	CY	14.000	108					108

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 = 1040400

Description = Ramp on Fill + 25' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

8D6	CAT D6 Dozer	1.00	0.28 HR	36.120				8	2	10
8L938	CAT 938H Wheel loa	1.00	0.28 HR	56.230				9	7	16
8MG16H	Cat 16H Motorgrader	2.00	0.56 HR	102.440				32	26	57
8RSF	Sheepsft Roller	1.00	0.28 HR	32.500				9		9
8RSW	Steel wheel roller	2.00	0.56 HR	56.260				18	13	32
8SMTTOOLS	Small Tools	2.00	0.56 HR	10.000				6		6
8TPU	Pickup Truck	1.00	0.28 HR	9.870				1	2	3
8TWT5	Water Truck - 5,000	1.00	0.28 HR	79.000				13	10	22
NY1	Foreman	1.00	0.28 MH	42.000	27					27
NY2	General Labor	8.00	2.24 MH	38.000	201					201
NY3	Skilled Labor / Operat	6.00	1.68 MH	40.000	155					155
\$644.81	0.6000 MH/CY	4.2000	MH	[23.44]	383	108		94	60	645
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40		13.48	8.56	92.12

10075 Earthwork - Fill **Quan: 12,963.00 CY** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>FILL</u>	Fill and Compact Crew	259.26	CH	Prod: 50.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 5.00	
2FILL	Fill - Borrow@110%	12,963.00	CY	10.000	142,593		142,593
8D06	CAT D6H Dozer	1.00	259.26 HR	99.820		13,876	12,004
8EXGRDALL	Gradall 3 CY	1.00	259.26 HR	220.400		29,620	27,520
8L950	CAT 950H Wheel Lo	1.00	259.26 HR	66.160		9,647	7,506
8RSF	Sheepsft Roller	1.00	259.26 HR	32.500		8,426	
8RVS	Vib steel roller	1.00	259.26 HR	36.550		4,226	5,250
LAB-F	General Labor - Fore	1.00	259.26 MH	34.000	21,955		21,955
LAB-J	General Labor - Class	3.00	777.78 MH	33.460	65,332		65,332
LABF	Labor Foreman	1.00	259.26 MH	26.890	19,739		19,739
OP-2	Operator - Medium E	5.00	1,296.30 MH	43.500	125,440		125,440
OP-OIL	Equip Oiler	1.00	259.26 MH	43.780	25,180		25,180
\$518,314.14	0.2200 MH/CY	2,851.8600	MH	[8.451]	257,646	142,593	65,795
							52,280
							518,314

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/>										
BID ITEM = 1040400		Land Item	SCHEDULE: 1	100						
Description = Ramp on Fill + 25' New Construction		Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
50.0000	Units/H*	500.0000	Un/Shift	4.5455	Unit/M	19.88	11.00	5.08	4.03	39.98
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10100	Lift 1 Base Course	Quan:	30.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
										**Unreviewed
<u>GR2</u>	Compact- Large	1.20	CH	Prod: 25.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	30.00	CY	50.000		1,650				1,650
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110		246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39			39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57		135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24			24
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000		54	41		95
NY1	Foreman	1.00	1.20	MH	42.000	114				114
NY2	General Labor	8.00	9.60	MH	38.000	862				862
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665				665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	55.00	13.49	8.56	131.72
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10150	Lift 2 Base Course	Quan:	30.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
										**Unreviewed
<u>GR2</u>	Compact- Large	1.20	CH	Prod: 25.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	30.00	CY	50.000		1,650				1,650
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110		246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39			39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57		135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24			24

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/>										
BID ITEM = 1040400		Land Item		SCHEDULE: 1	100					
Description = Ramp on Fill + 25' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72
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10200	Binder Course	Quan: 30.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAB	HMA Binder Course	30.00	TON	40.000	1,320					1,320
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150			210	100		310
8APBS	Sweeper	1.00	1.20 HR	62.120			38	36		75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070			119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320	661	341		3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00	22.03	11.36		130.37

**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 = 1040400

Description = Ramp on Fill + 25' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10250 Top Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAT	HMA Top Course@1	30.00	TON	60.000		1,980			1,980
8AP1	Asphalt Paver (LG)	1.00	1.20	HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20	HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20	HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20	HR	63.750		54	23	77
8RT	Roller - Tandem 10to	1.00	1.20	HR	50.000		60		60
8TDIST	Distribution Truck	1.00	1.20	HR	45.000		54		54
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20	HR	74.470		52	38	89
LAB-A	General Labor - Appr	2.00	2.40	MH	28.430	186			186
LAB-F	General Labor - Fore	1.00	1.20	MH	34.000	102			102
LAB-J	General Labor - Class	6.00	7.20	MH	33.460	605			605
OP-2	Operator - Medium E	6.00	7.20	MH	43.500	697			697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980	661	341	4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00	22.03	11.36	152.37

10300 Tack Coat **Quan: 22.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		0.88	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMATK	HMA Tack Coat@11	22.00	TON	50.000		1,210			1,210
8AP1	Asphalt Paver (LG)	1.00	0.88	HR	258.150		154	73	227
8APBS	Sweeper	1.00	0.88	HR	62.120		28	27	55
8APLANT	Asphalt Plant & Equi	1.00	0.88	HR	179.070		87	70	158
8D6	CAT D6 Dozer	1.00	0.88	HR	36.120		24	7	32

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/>											
BID ITEM = 1040400			Land Item	SCHEDULE: 1	100						
Description = Ramp on Fill + 25' New Construction				Unit = SF	Takeoff Quan:	2,400.000		Engr Quan:		0.000	
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230				27	23		49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750				40	17		56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000				44			44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000				40			40
8TPU	Pickup Truck	1.00	0.88 HR	9.870				3	6		9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470				38	28		66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430		137					137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000		75					75
LAB-J	General Labor - Class	6.00	5.28 MH	33.460		444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500		511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]		1,166	1,210	485	250		3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M		52.98	55.00	22.03	11.36		141.37
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10350	Guard Rail			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>PL1</u>	Place - Install Material		3.33 CH	Prod: 30.0003 UH		Lab Pcs: 10.00		Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11		100.00 LF	100.000		11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630				221	121		342
8LFORK	Fork Lift	1.00	3.33 HR	43.060				100	43		143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700				49	49		99
8SMTOOLS	Small Tools	4.00	13.33 HR	10.000				133			133
8TPU	Pickup Truck	1.00	3.33 HR	9.870				11	22		33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700				15	51		66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000				33			33
NY1	Foreman	1.00	3.33 MH	42.000		316					316
NY2	General Labor	4.00	13.33 MH	38.000		1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000		1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]		3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M		30.51	110.00	5.63	2.86		149.01

**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 = 1040400

Description = Ramp on Fill + 25' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10450 Final Line and Grade Quan: 2,400.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large	2.40	CH	Prod: 1,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120			66	20		87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230			74	61		135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440			272	220		492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500			78			78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260			155	115		270
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000			48			48
8TPU	Pickup Truck	1.00	2.40 HR	9.870			8	16		24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000			108	82		190
NY1	Foreman	1.00	2.40 MH	42.000	228					228
NY2	General Labor	8.00	19.20 MH	38.000	1,724					1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329					1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281		809	514		4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667	Unit/M	1.37	0.34	0.21		1.92

10500 Lane Markings Quan: 7,200.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>LM1</u>	Lane Markings	5.76	CH	Prod: 1,250.0000	UH	Lab Pcs: 9.00	Eqp Pcs: 5.00			
2PAINT	Lane Markings@110	7,200.00	LF	1.500		11,880				11,880
8APBS	Sweeper	1.00	5.76 HR	62.120			183	175		358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220			25	97		122
8TPU	Pickup Truck	2.00	11.52 HR	9.870			39	75		114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000			576			576
NY1	Foreman	1.00	5.76 MH	42.000	546					546
NY2	General Labor	4.00	23.04 MH	38.000	2,068					2,068
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127					2,127
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880	822	347		17,791

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs					Material	Matl/Ex	Ownershi	Operatio	Contract	
BID ITEM = 1040400			Land Item	SCHEDULE:	1	100						
Description = Ramp on Fill + 25' New Construction				Unit =	SF	Takeoff	Quan:	2,400.000	Engr	Quan:	0.000	
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889	Unit/M	0.66	1.65		0.11	0.05		2.47
10550	4" Edge Drain Pipe			Quan:	600.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
												**Unreviewed
GR2	Compact- Large		24.00	CH	Prod:	25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	11.00	
24PIPE	4" Edge Drain Pip@1		600.00	LF		14.000		9,240				9,240
8D6	CAT D6 Dozer	1.00	24.00	HR		36.120				664	203	867
8L938	CAT 938H Wheel loa	1.00	24.00	HR		56.230				735	614	1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00	HR		102.440				2,721	2,196	4,917
8RSF	Sheepsft Roller	1.00	24.00	HR		32.500				780		780
8RSW	Steel wheel roller	2.00	48.00	HR		56.260				1,551	1,150	2,700
8SMTTOOLS	Small Tools	2.00	48.00	HR		10.000				480		480
8TPU	Pickup Truck	1.00	24.00	HR		9.870				81	156	237
8TWT5	Water Truck - 5,000	1.00	24.00	HR		79.000				1,080	816	1,896
NY1	Foreman	1.00	24.00	MH		42.000		2,277				2,277
NY2	General Labor	8.00	192.00	MH		38.000		17,236				17,236
NY3	Skilled Labor / Operat	6.00	144.00	MH		40.000		13,294				13,294
\$55,273.28	0.6000 MH/LF		360.0000	MH		[23.44]		32,806	9,240	8,092	5,135	55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M		54.68	15.40		13.49	8.56	92.12
10650	Signage			Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
												**Unreviewed
PL1	Place - Install Material		2.00	CH	Prod:	50.0000	UH	Lab Pcs:	10.00	Eqp Pcs:	10.00	
2SIGN	Signage@110%		100.00	LF		150.000		16,500				16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00	HR		102.630				133	73	205
8LFORK	Fork Lift	1.00	2.00	HR		43.060				60	26	86
8LIFTS32	Scissor Lift 32'	1.00	2.00	HR		29.700				30	30	59
8SMTTOOLS	Small Tools	4.00	8.00	HR		10.000				80		80
8TPU	Pickup Truck	1.00	2.00	HR		9.870				7	13	20
8ZG050	Genset - 50 kW	1.00	2.00	HR		19.700				9	30	39

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 1040400			Land Item	SCHEDULE: 1	100									
Description = Ramp on Fill + 25' New Construction			Unit =	SF	Takeoff	Quan:	2,400.000	Engr	Quan:	0.000				
8ZTE	Power Tools - Electri	1.00	2.00	HR	10.000				20					20
NY1	Foreman	1.00	2.00	MH	42.000	190								190
NY2	General Labor	4.00	8.00	MH	38.000	718								718
NY3	Skilled Labor / Operat	5.00	10.00	MH	40.000	923								923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]		1,831	16,500		338	172				18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000	Unit/M	18.31	165.00		3.38	1.72				188.41
10700	Landscape				Quan: 4,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
LSC1	Landscape Crew - medium		20.00	CH	Prod: 200.0000	UH	Lab Pcs:	13.00	Eqp Pcs:	10.00				**Unreviewed
2LAND	Landscape@110%		4,000.00	SF	2.000		8,800							8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00	HR	10.920				218					218
8EXBCATT	Bobcat Attachments	1.00	20.00	HR	4.540				91					91
8EXGRDALL	Gradall 3 CY	1.00	20.00	HR	220.400				2,285	2,123				4,408
8HYDMLC	Hydro Mulcher	1.00	20.00	HR	60.000				1,200					1,200
8SMTTOOLS	Small Tools	4.00	80.00	HR	10.000				800					800
8TPU	Pickup Truck	1.00	20.00	HR	9.870				67	130				197
8TWT3	Water Truck - 3,000	1.00	20.00	HR	74.470				859	630				1,489
NY1	Foreman	1.00	20.00	MH	42.000	1,897								1,897
NY2	General Labor	8.00	160.00	MH	38.000	14,364								14,364
NY3	Skilled Labor / Operat	4.00	80.00	MH	40.000	7,385								7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]		23,646	8,800		5,521	2,883				40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846	Unit/M	5.91	2.20		1.38	0.72				10.21
=====> Item Totals:		1040400	- Ramp on Fill + 25' New Construction											
\$693,015.77	1.5501 MH/SF	3,720.43	MH	[59.736]		336,652	207,931		85,056	63,378				693,016
288.757	2400 SF					140.27	86.64		35.44	26.41				288.76

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 = 1040500

Description = Ramp in Cut < 6' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10025 Prepare and roll base Quan: 2,400.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large		1.20	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110	246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39		39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57	135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24		24
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000		54	41	95
NY1	Foreman	1.00	1.20	MH	42.000	114			114
NY2	General Labor	8.00	9.60	MH	38.000	862			862
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665			665
\$2,301.64	0.0075 MH/SF		18.0000	MH	[0.293]	1,640	405	257	2,302
^{2,000.0000}	Units/H*	20,000.0000	Un/Shift	133.3333	Unit/M	0.68	0.17	0.11	0.96

10050 Subbase Quan: 7.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large		0.28	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
2SBASE	Sub Base@110%		7.00	CY	14.000	108		108	
8D6	CAT D6 Dozer	1.00	0.28	HR	36.120		8	2	10
8L938	CAT 938H Wheel loa	1.00	0.28	HR	56.230		9	7	16
8MG16H	Cat 16H Motorgrader	2.00	0.56	HR	102.440		32	26	57
8RSF	Sheepsft Roller	1.00	0.28	HR	32.500		9		9
8RSW	Steel wheel roller	2.00	0.56	HR	56.260		18	13	32
8SMTTOOLS	Small Tools	2.00	0.56	HR	10.000		6		6
8TPU	Pickup Truck	1.00	0.28	HR	9.870		1	2	3

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
BID ITEM = 1040500				Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut < 6' New Construction				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
8TWT5	Water Truck - 5,000	1.00	0.28 HR	79.000				13	10		22
NY1	Foreman	1.00	0.28 MH	42.000		27					27
NY2	General Labor	8.00	2.24 MH	38.000		201					201
NY3	Skilled Labor / Operat	6.00	1.68 MH	40.000		155					155
\$644.81	0.6000 MH/CY		4.2000 MH	[23.44]		383	108	94	60		645
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M		54.68	15.40	13.48	8.56		92.12
10075	Earthwork - Cut			Quan: 1,111.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
<u>EX5</u>	Excavator Crew - Medium		44.44 CH	Prod: 25.0000	UH	Lab Pcs:	5.00	Eqp Pcs:	4.00		
4HAUL	Hauling - Sub		1,111.00 CY	20.000						22,220	22,220
8EX350	CAT 350 3 CY Exca	1.00	44.44 HR	220.400				5,077	4,717		9,795
8SMTTOOLS	Small Tools	2.00	88.88 HR	10.000				889			889
8TPU	Pickup Truck	1.00	44.44 HR	9.870				150	289		439
LAB-A	General Labor - Appr	1.00	44.44 MH	28.430		3,449					3,449
LAB-F	General Labor - Fore	1.00	44.44 MH	34.000		3,763					3,763
LAB-J	General Labor - Class	1.00	44.44 MH	33.460		3,733					3,733
OP-2	Operator - Medium E	1.00	44.44 MH	43.500		4,300					4,300
OP-OIL	Equip Oiler	1.00	44.44 MH	43.780		4,316					4,316
\$52,903.29	0.2000 MH/CY		222.2000 MH	[7.327]		19,561		6,116	5,006	22,220	52,903
25.0000	Units/H*	250.0000	Un/Shift	5.0000 Unit/M		17.61		5.50	4.51	20.00	47.62
10100	Lift 1 Base Course			Quan: 30.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
<u>GR2</u>	Compact- Large		1.20 CH	Prod: 25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	11.00		
2BASEC	Pavement Base Cou@		30.00 CY	50.000		1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110		246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500				39			39

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Total
<hr/>										
BID ITEM = 1040500			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut < 6' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8RSW	Steel wheel roller	2.00	2.40 HR	56.260				78	57	135
8SMTOOLS	Small Tools	2.00	2.40 HR	10.000				24		24
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41	95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650		405	257	3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00		13.49	8.56	131.72
<hr/>										
10150	Lift 2 Base Course			Quan: 30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR2</u>	Compact- Large		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00			Eqp Pcs: 11.00		
2BASEC	Pavement Base Cou@		30.00 CY	50.000	1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110	246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500				39		39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260				78	57	135
8SMTOOLS	Small Tools	2.00	2.40 HR	10.000				24		24
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41	95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650		405	257	3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00		13.49	8.56	131.72

**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 = 1040500

Description = Ramp in Cut < 6' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10200 Binder Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAB	HMA Binder Course	30.00	TON		40.000	1,320			1,320
8AP1	Asphalt Paver (LG)	1.00	1.20	HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20	HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20	HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20	HR	63.750		54	23	77
8RT	Roller - Tandem 10to	1.00	1.20	HR	50.000		60		60
8TDIST	Distribution Truck	1.00	1.20	HR	45.000		54		54
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20	HR	74.470		52	38	89
LAB-A	General Labor - Appr	2.00	2.40	MH	28.430	186			186
LAB-F	General Labor - Fore	1.00	1.20	MH	34.000	102			102
LAB-J	General Labor - Class	6.00	7.20	MH	33.460	605			605
OP-2	Operator - Medium E	6.00	7.20	MH	43.500	697			697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320	661	341	3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00	22.03	11.36	130.37

10250 Top Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAT	HMA Top Course@1	30.00	TON		60.000	1,980			1,980
8AP1	Asphalt Paver (LG)	1.00	1.20	HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20	HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20	HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43

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/>										
BID ITEM = 1040500		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut < 6' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470			52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980	661	341		4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00	22.03	11.36		152.37

10300 Tack Coat **Quan: 22.00 TON** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

PV1	Asp. Pave - Small	0.88	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMATK	HMA Tack Coat@11	22.00	TON	50.000	1,210			1,210
8AP1	Asphalt Paver (LG)	1.00	0.88 HR	258.150		154	73	227
8APBS	Sweeper	1.00	0.88 HR	62.120		28	27	55
8APLANT	Asphalt Plant & Equi	1.00	0.88 HR	179.070		87	70	158
8D6	CAT D6 Dozer	1.00	0.88 HR	36.120		24	7	32
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230		27	23	49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750		40	17	56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000		44		44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000		40		40
8TPU	Pickup Truck	1.00	0.88 HR	9.870		3	6	9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470		38	28	66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430	137			137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000	75			75

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/>										
BID ITEM = 1040500			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut < 6' New Construction			Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
LAB-J	General Labor - Class	6.00	5.28 MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]	1,166	1,210	485	250		3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00	22.03	11.36		141.37
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10350	Guard Rail		Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
										**Unreviewed
<u>PL1</u>	Place - Install Material		3.33 CH	Prod: 30.0003 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11		100.00 LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630		221	121			342
8LFORK	Fork Lift	1.00	3.33 HR	43.060		100	43			143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700		49	49			99
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000		133				133
8TPU	Pickup Truck	1.00	3.33 HR	9.870		11	22			33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700		15	51			66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000		33				33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00	5.63	2.86		149.01
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10450	Final Line and Grade		Quan: 2,400.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
										**Unreviewed
<u>GR2</u>	Compact- Large		2.40 CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120		66	20			87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230		74	61			135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440		272	220			492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500		78				78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260		155	115			270

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/>											
BID ITEM = 1040500			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut < 6' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000		
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000				48			48
8TPU	Pickup Truck	1.00	2.40 HR	9.870				8	16		24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000				108	82		190
NY1	Foreman	1.00	2.40 MH	42.000	228						228
NY2	General Labor	8.00	19.20 MH	38.000	1,724						1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329						1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281			809	514		4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37			0.34	0.21		1.92
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10500	Lane Markings			Quan: 7,200.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>LM1</u>	Lane Markings		5.76 CH	Prod: 1,250.0000 UH	Lab Pcs:	9.00	Eqp Pcs:	5.00			
2PAINT	Lane Markings@110		7,200.00 LF	1.500	11,880						11,880
8APBS	Sweeper	1.00	5.76 HR	62.120				183	175		358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220				25	97		122
8TPU	Pickup Truck	2.00	11.52 HR	9.870				39	75		114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000				576			576
NY1	Foreman	1.00	5.76 MH	42.000	546						546
NY2	General Labor	4.00	23.04 MH	38.000	2,068						2,068
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127						2,127
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880		822	347		17,791
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65		0.11	0.05		2.47
<hr/>											
10550	4" Edge Drain Pipe			Quan: 600.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>GR2</u>	Compact- Large		24.00 CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00			
24PIPE	4" Edge Drain Pip@1		600.00 LF	14.000	9,240						9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120				664	203		867
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230				735	614		1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440				2,721	2,196		4,917

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/>											
BID ITEM = 1040500			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut < 6' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500				780			780
8RSW	Steel wheel roller	2.00	48.00 HR	56.260				1,551	1,150		2,700
8SMTTOOLS	Small Tools	2.00	48.00 HR	10.000				480			480
8TPU	Pickup Truck	1.00	24.00 HR	9.870				81	156		237
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000				1,080	816		1,896
NY1	Foreman	1.00	24.00 MH	42.000	2,277						2,277
NY2	General Labor	8.00	192.00 MH	38.000	17,236						17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000	13,294						13,294
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240		8,092	5,135		55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40		13.49	8.56		92.12
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10650	Signage			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PL1</u>	Place - Install Material		12.00 CH	Prod: 8.3333 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00					
2SIGN	Signage@110%		100.00 LF	150.000	16,500						16,500
8CRBMTRK	Boom Truck 20 ton	1.00	12.00 HR	102.630				796	435		1,232
8LFORK	Fork Lift	1.00	12.00 HR	43.060				361	155		517
8LIFTS32	Scissor Lift 32'	1.00	12.00 HR	29.700				178	178		356
8SMTTOOLS	Small Tools	4.00	48.00 HR	10.000				480			480
8TPU	Pickup Truck	1.00	12.00 HR	9.870				40	78		118
8ZG050	Genset - 50 kW	1.00	12.00 HR	19.700				54	182		236
8ZTE	Power Tools - Electri	1.00	12.00 HR	10.000				120			120
NY1	Foreman	1.00	12.00 MH	42.000	1,138						1,138
NY2	General Labor	4.00	48.00 MH	38.000	4,309						4,309
NY3	Skilled Labor / Operat	5.00	60.00 MH	40.000	5,539						5,539
\$30,545.87	1.2000 MH/LF	120.0000	MH	[47.28]	10,986	16,500		2,030	1,029		30,546
8.3333	Units/H*	83.3333	Un/Shift	0.8333 Unit/M	109.86	165.00		20.30	10.29		305.46

**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
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BID ITEM = 1040500

Description = Ramp in Cut < 6' New Construction

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10700 Landscape Quan: 4,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>LSC1</u>	Landscape Crew - medium	20.00	CH	Prod: 200.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				
2LAND	Landscape@110%	4,000.00	SF	2.000	8,800					8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00	HR		218				218
8EXBCATT	Bobcat Attachments	1.00	20.00	HR		91				91
8EXGRDALL	Gradall 3 CY	1.00	20.00	HR	220.400	2,285	2,123			4,408
8HYDMLC	Hydro Mulcher	1.00	20.00	HR	60.000	1,200				1,200
8SMTTOOLS	Small Tools	4.00	80.00	HR	10.000	800				800
8TPU	Pickup Truck	1.00	20.00	HR	9.870	67	130			197
8TWT3	Water Truck - 3,000	1.00	20.00	HR	74.470	859	630			1,489
NY1	Foreman	1.00	20.00	MH	42.000	1,897				1,897
NY2	General Labor	8.00	160.00	MH	38.000	14,364				14,364
NY3	Skilled Labor / Operat	4.00	80.00	MH	40.000	7,385				7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800	5,521	2,883		40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20	1.38	0.72		10.21

=====> Item Totals: 1040500 - Ramp in Cut < 6' New Construction

\$239,309.81	0.4961 MH/SF	1,190.77	MH	[19.124]	107,722	65,338	27,068	16,962	22,220	239,310
99.712	2400 SF				44.88	27.22	11.28	7.07	9.26	99.71

BID ITEM = 1040600

Description = Ramp in Cut 6' to 15' ' New Constructio

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10025 Prepare and roll base Quan: 2,400.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**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 = 1040600

Land Item SCHEDULE: 1 100
Description = Ramp in Cut 6' to 15' ' New Constructio Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

<u>GR2</u>	Compact- Large		1.20	CH	Prod: 2,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110		246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39			39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57		135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24			24
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000		54	41		95
NY1	Foreman	1.00	1.20	MH	42.000	114				114
NY2	General Labor	8.00	9.60	MH	38.000	862				862
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665				665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]	1,640		405	257		2,302
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333	Unit/M	0.68	0.17	0.11		0.96

10050 Subbase Quan: 7.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large		0.28	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
2SBASE	Sub Base@110%		7.00	CY	14.000	108				108
8D6	CAT D6 Dozer	1.00	0.28	HR	36.120		8	2		10
8L938	CAT 938H Wheel loa	1.00	0.28	HR	56.230		9	7		16
8MG16H	Cat 16H Motorgrader	2.00	0.56	HR	102.440		32	26		57
8RSF	Sheepsft Roller	1.00	0.28	HR	32.500		9			9
8RSW	Steel wheel roller	2.00	0.56	HR	56.260		18	13		32
8SMTTOOLS	Small Tools	2.00	0.56	HR	10.000		6			6
8TPU	Pickup Truck	1.00	0.28	HR	9.870		1	2		3
8TWT5	Water Truck - 5,000	1.00	0.28	HR	79.000		13	10		22
NY1	Foreman	1.00	0.28	MH	42.000	27				27
NY2	General Labor	8.00	2.24	MH	38.000	201				201

DIRECT COST REPORT

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

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Equipme Operatio	Sub- Contract	Total
BID ITEM = 1040600			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut 6' to 15' ' New Constructio				Unit = SF	Takeoff Quan:	2,400.000		Engr Quan:	0.000	
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41	95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650		405	257	3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00		13.49	8.56	131.72
10150	Lift 2 Base Course			Quan: 30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>GR2</u>	Compact- Large		1.20 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00		
2BASEC	Pavement Base Cou@		30.00 CY	50.000		1,650				1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110	246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500				39		39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260				78	57	135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000				24		24
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41	95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650		405	257	3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00		13.49	8.56	131.72
10200	Binder Course			Quan: 30.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>PV1</u>	Asp. Pave - Small		1.20 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 10.00		
2HMAB	HMA Binder Course		30.00 TON	40.000		1,320				1,320
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150				210	100	310

**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/>										
BID ITEM = 1040600		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut 6' to 15' ' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8APBS	Sweeper	1.00	1.20 HR	62.120				38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070				119	96	215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750				54	23	77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000				60		60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000				54		54
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38	89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320		661	341	3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00		22.03	11.36	130.37

10250 Top Course **Quan: 30.00 TON** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1	30.00	TON	60.000	1,980					1,980
8API	Asphalt Paver (LG)	1.00	1.20 HR	258.150			210	100		310
8APBS	Sweeper	1.00	1.20 HR	62.120			38	36		75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070			119	96		215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120			33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230			37	31		67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750			54	23		77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000			60			60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000			54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12

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/>										
BID ITEM = 1040600		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut 6' to 15' ' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38	89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980		661	341	4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00		22.03	11.36	152.37
<hr/>										
10300	Tack Coat			Quan: 22.00 TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>PV1</u>	Asp. Pave - Small	0.88 CH		Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMATK	HMA Tack Coat@11	22.00 TON		50.000	1,210			1,210		
8API	Asphalt Paver (LG)	1.00	0.88 HR	258.150			154	73		227
8APBS	Sweeper	1.00	0.88 HR	62.120			28	27		55
8APLANT	Asphalt Plant & Equi	1.00	0.88 HR	179.070			87	70		158
8D6	CAT D6 Dozer	1.00	0.88 HR	36.120			24	7		32
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230			27	23		49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750			40	17		56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000			44			44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000			40			40
8TPU	Pickup Truck	1.00	0.88 HR	9.870			3	6		9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470			38	28		66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430	137					137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000	75					75
LAB-J	General Labor - Class	6.00	5.28 MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]	1,166	1,210		485	250	3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00		22.03	11.36	141.37

**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
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BID ITEM = 1040600

Description = Ramp in Cut 6' to 15' ' New Constructio

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10350 Guard Rail Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

PL1	Place - Install Material		3.33	CH	Prod: 30.0003 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00			
2KRAIL	KRail - Jersey Ba@11		100.00	LF	100.000	11,000			11,000	
8CRBMTRK	Boom Truck 20 ton	1.00	3.33	HR	102.630		221	121	342	
8LFORK	Fork Lift	1.00	3.33	HR	43.060		100	43	143	
8LIFTS32	Scissor Lift 32'	1.00	3.33	HR	29.700		49	49	99	
8SMTOOLS	Small Tools	4.00	13.33	HR	10.000		133		133	
8TPU	Pickup Truck	1.00	3.33	HR	9.870		11	22	33	
8ZG050	Genset - 50 kW	1.00	3.33	HR	19.700		15	51	66	
8ZTE	Power Tools - Electri	1.00	3.33	HR	10.000		33		33	
NY1	Foreman	1.00	3.33	MH	42.000	316			316	
NY2	General Labor	4.00	13.33	MH	38.000	1,197			1,197	
NY3	Skilled Labor / Operat	5.00	16.67	MH	40.000	1,539			1,539	
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286	14,901	
30.0300	Units/H*	300.3003	Un/Shift	3.0003	Unit/M	30.51	110.00	5.63	2.86	149.01

10450 Final Line and Grade Quan: 2,400.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>GR2</u>	Compact- Large		2.40	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
8D6	CAT D6 Dozer	1.00	2.40	HR	36.120		66	20	87
8L938	CAT 938H Wheel loa	1.00	2.40	HR	56.230		74	61	135
8MG16H	Cat 16H Motorgrader	2.00	4.80	HR	102.440		272	220	492
8RSF	Sheepsft Roller	1.00	2.40	HR	32.500		78		78
8RSW	Steel wheel roller	2.00	4.80	HR	56.260		155	115	270
8SMTOOLS	Small Tools	2.00	4.80	HR	10.000		48		48
8TPU	Pickup Truck	1.00	2.40	HR	9.870		8	16	24
8TWT5	Water Truck - 5,000	1.00	2.40	HR	79.000		108	82	190
NY1	Foreman	1.00	2.40	MH	42.000	228			228

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Labor	Material	Matl/Ex Ownershi	Equipme	Equipme	Sub-	Total
Resource		Pcs		Cost				Operatio	Contract		
<hr/>											
BID ITEM = 1040600			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut 6' to 15' ' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000		
NY2	General Labor	8.00	19.20 MH	38.000	1,724						1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329						1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281		809	514			4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21			1.92
<hr/>											
10500	Lane Markings			Quan: 7,200.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>LM1</u>	Lane Markings		5.76 CH	Prod: 1,250.0000 UH	Lab Pcs:	9.00	Eqp Pcs:	5.00			
2PAINT	Lane Markings@110	7,200.00	LF	1.500	11,880						11,880
8APBS	Sweeper	1.00	5.76 HR	62.120			183	175			358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220			25	97			122
8TPU	Pickup Truck	2.00	11.52 HR	9.870			39	75			114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000			576				576
NY1	Foreman	1.00	5.76 MH	42.000	546						546
NY2	General Labor	4.00	23.04 MH	38.000	2,068						2,068
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127						2,127
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880	822	347			17,791
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65	0.11	0.05			2.47
<hr/>											
10550	4" Edge Drain Pipe			Quan: 600.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>GR2</u>	Compact- Large		24.00 CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00			
24PIPE	4" Edge Drain Pip@1	600.00	LF	14.000	9,240						9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120			664	203			867
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230			735	614			1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440			2,721	2,196			4,917
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500			780				780
8RSW	Steel wheel roller	2.00	48.00 HR	56.260			1,551	1,150			2,700
8SMTTOOLS	Small Tools	2.00	48.00 HR	10.000			480				480
8TPU	Pickup Truck	1.00	24.00 HR	9.870			81	156			237

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 1040600			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut 6' to 15' ' New Constructio				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000			1,080	816		1,896
NY1	Foreman	1.00	24.00 MH	42.000	2,277					2,277
NY2	General Labor	8.00	192.00 MH	38.000	17,236					17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000	13,294					13,294
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240	8,092	5,135		55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40	13.49	8.56		92.12
10650	Signage			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>PL1</u>	Place - Install Material		2.00 CH	Prod: 50.0000 UH	Lab Pcs: 10.00		Eqp Pcs: 10.00			
2SIGN	Signage@110%		100.00 LF	150.000	16,500					16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630			133	73		205
8LFORK	Fork Lift	1.00	2.00 HR	43.060			60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700			30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000			80			80
8TPU	Pickup Truck	1.00	2.00 HR	9.870			7	13		20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700			9	30		39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000			20			20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	16,500	338	172		18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00	3.38	1.72		188.41
10700	Landscape			Quan: 4,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>LSC1</u>	Landscape Crew - medium		20.00 CH	Prod: 200.0000 UH	Lab Pcs: 13.00		Eqp Pcs: 10.00			
2LAND	Landscape@110%		4,000.00 SF	2.000	8,800					8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920			218			218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540			91			91

**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/>										
BID ITEM = 1040600		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut 6' to 15' ' New Constructio		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400			2,285	2,123		4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000			1,200			1,200
8SMTOOLS	Small Tools	4.00	80.00 HR	10.000			800			800
8TPU	Pickup Truck	1.00	20.00 HR	9.870			67	130		197
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470			859	630		1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800	5,521	2,883		40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20	1.38	0.72		10.21
<hr/>										
=====> Item Totals: 1040600 - Ramp in Cut 6' to 15' ' New Constructio										
\$346,649.31	0.6628 MH/SF	1,590.77	MH	[25.114]	142,584	65,338	39,138	27,369	72,220	346,649
144.437	2400 SF				59.41	27.22	16.31	11.40	30.09	144.44
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BID ITEM = 1040700			Land Item	SCHEDULE: 1	100				
Description = Ramp in Cut 15' to 25' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000	
10025	Prepare and roll base			Quan: 2,400.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287	
<u>GR2</u>	Compact- Large		1.20	CH	Prod: 2,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	**Unreviewed
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120			33 10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230			37 31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440			136 110	246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500			39	39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260			78 57	135
8SMTOOLS	Small Tools	2.00	2.40	HR	10.000			24	24

**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 = 1040700			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut 15' to 25' New Construction				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41		95
NY1	Foreman	1.00	1.20 MH	42.000		114					114
NY2	General Labor	8.00	9.60 MH	38.000		862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000		665					665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]		1,640		405	257		2,302
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333 Unit/M		0.68		0.17	0.11		0.96
10050	Subbase			Quan:	7.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
GR2	Compact- Large		0.28 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00			
2SBASE	Sub Base@ 110%		7.00 CY	14.000		108					108
8D6	CAT D6 Dozer	1.00	0.28 HR	36.120				8	2		10
8L938	CAT 938H Wheel loa	1.00	0.28 HR	56.230				9	7		16
8MG16H	Cat 16H Motorgrader	2.00	0.56 HR	102.440				32	26		57
8RSF	Sheepsft Roller	1.00	0.28 HR	32.500				9			9
8RSW	Steel wheel roller	2.00	0.56 HR	56.260				18	13		32
8SMTTOOLS	Small Tools	2.00	0.56 HR	10.000				6			6
8TPU	Pickup Truck	1.00	0.28 HR	9.870				1	2		3
8TWT5	Water Truck - 5,000	1.00	0.28 HR	79.000				13	10		22
NY1	Foreman	1.00	0.28 MH	42.000		27					27
NY2	General Labor	8.00	2.24 MH	38.000		201					201
NY3	Skilled Labor / Operat	6.00	1.68 MH	40.000		155					155
\$644.81	0.6000 MH/CY	4.2000	MH	[23.44]		383	108	94	60		645
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M		54.68	15.40	13.48	8.56		92.12
10075	Earthwork - Cut			Quan:	6,944.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
EX5	Excavator Crew - Medium		277.76 CH	Prod: 25.0000 UH		Lab Pcs: 5.00		Eqp Pcs: 4.00			
4HAUL	Hauling - Sub		6,944.00 CY	20.000						138,880	138,880

DIRECT COST REPORT

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

**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 = 1040700

Description = Ramp in Cut 15' to 25' New Construction

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10150 Lift 2 Base Course **Quan: 30.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

GR2	Compact- Large		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@	30.00	CY	50.000		1,650		1,650		
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43	
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67	
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440		136	110	246	
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500		39		39	
8RSW	Steel wheel roller	2.00	2.40	HR	56.260		78	57	135	
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000		24		24	
8TPU	Pickup Truck	1.00	1.20	HR	9.870		4	8	12	
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000		54	41	95	
NY1	Foreman	1.00	1.20	MH	42.000	114			114	
NY2	General Labor	8.00	9.60	MH	38.000	862			862	
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665			665	
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257	3,952	
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	55.00	13.49	8.56	131.72

10200 Binder Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAB	HMA Binder Course	30.00	TON		40.000	1,320			1,320
8AP1	Asphalt Paver (LG)	1.00	1.20	HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20	HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20	HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230		37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20	HR	63.750		54	23	77
8RT	Roller - Tandem 10to	1.00	1.20	HR	50.000		60		60

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/>											
BID ITEM = 1040700		Land Item		SCHEDULE: 1	100						
Description = Ramp in Cut 15' to 25' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
8TDIST	Distribution Truck	1.00	1.20 HR	45.000				54			54
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8		12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470				52	38		89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186						186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102						102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605						605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697						697
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320		661	341		3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00		22.03	11.36		130.37

10250 Top Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00					
2HMAT	HMA Top Course@1	30.00	TON	60.000	1,980						1,980
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150		210	100				310
8APBS	Sweeper	1.00	1.20 HR	62.120		38	36				75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070		119	96				215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10				43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31				67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750		54	23				77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000		60					60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000		54					54
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8				12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470		52	38				89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186						186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102						102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605						605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697						697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980		661	341		4,571

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 1040700			Land Item	SCHEDULE:	1	100								
Description = Ramp in Cut 15' to 25' New Construction				Unit =	SF	Takeoff	Quan:	2,400.000	Engr	Quan:	0.000			
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	52.98	66.00		22.03	11.36				152.37
10300	Tack Coat			Quan:	22.00	TON	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
														**Unreviewed
<u>PV1</u>	Asp. Pave - Small		0.88	CH	Prod: 25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	10.00				
2HMATK	HMA Tack Coat@11		22.00	TON	50.000		1,210							1,210
8API	Asphalt Paver (LG)	1.00	0.88	HR	258.150				154	73				227
8APBS	Sweeper	1.00	0.88	HR	62.120				28	27				55
8APLANT	Asphalt Plant & Equi	1.00	0.88	HR	179.070				87	70				158
8D6	CAT D6 Dozer	1.00	0.88	HR	36.120				24	7				32
8L938	CAT 938H Wheel loa	1.00	0.88	HR	56.230				27	23				49
8RPN	Pneumatic roller - 12	1.00	0.88	HR	63.750				40	17				56
8RT	Roller - Tandem 10to	1.00	0.88	HR	50.000				44					44
8TDIST	Distribution Truck	1.00	0.88	HR	45.000				40					40
8TPU	Pickup Truck	1.00	0.88	HR	9.870				3	6				9
8TWT3	Water Truck - 3,000	1.00	0.88	HR	74.470				38	28				66
LAB-A	General Labor - Appr	2.00	1.76	MH	28.430		137							137
LAB-F	General Labor - Fore	1.00	0.88	MH	34.000		75							75
LAB-J	General Labor - Class	6.00	5.28	MH	33.460		444							444
OP-2	Operator - Medium E	6.00	5.28	MH	43.500		511							511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]			1,166	1,210	485	250				3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	52.98	55.00		22.03	11.36				141.37
10350	Guard Rail			Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
														**Unreviewed
<u>PL1</u>	Place - Install Material		3.33	CH	Prod: 30.0003	UH	Lab Pcs:	10.00	Eqp Pcs:	10.00				
2KRAIL	KRail - Jersey Ba@11		100.00	LF	100.000		11,000							11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33	HR	102.630				221	121				342
8LFORK	Fork Lift	1.00	3.33	HR	43.060				100	43				143
8LIFTS32	Scissor Lift 32'	1.00	3.33	HR	29.700				49	49				99

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/>										
BID ITEM = 1040700			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut 15' to 25' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000			133			133
8TPU	Pickup Truck	1.00	3.33 HR	9.870			11	22		33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700			15	51		66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000			33			33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00	5.63	2.86		149.01
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10450	Final Line and Grade			Quan: 2,400.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
										**Unreviewed
<u>GR2</u>	Compact- Large		2.40 CH	Prod: 1,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00			
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120			66	20		87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230			74	61		135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440			272	220		492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500			78			78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260			155	115		270
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000			48			48
8TPU	Pickup Truck	1.00	2.40 HR	9.870			8	16		24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000			108	82		190
NY1	Foreman	1.00	2.40 MH	42.000	228					228
NY2	General Labor	8.00	19.20 MH	38.000	1,724					1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329					1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281		809	514		4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21		1.92
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10500	Lane Markings			Quan: 7,200.00	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
										**Unreviewed
<u>LM1</u>	Lane Markings		5.76 CH	Prod: 1,250.0000	UH	Lab Pcs: 9.00	Eqp Pcs: 5.00			

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/>										
BID ITEM = 1040700		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut 15' to 25' New Construction		Unit =		SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
2PAINT	Lane Markings@110	7,200.00	LF	1.500		11,880				11,880
8APBS	Sweeper	1.00	5.76 HR	62.120			183	175		358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220			25	97		122
8TPU	Pickup Truck	2.00	11.52 HR	9.870			39	75		114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000			576			576
NY1	Foreman	1.00	5.76 MH	42.000	546					546
NY2	General Labor	4.00	23.04 MH	38.000	2,068					2,068
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000	2,127					2,127
\$17,791.43	0.0072 MH/LF	51.8400	MH	[0.283]	4,742	11,880	822	347		17,791
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M	0.66	1.65	0.11	0.05		2.47
<hr/>										
10550	4" Edge Drain Pipe	Quan: 600.00 LF		Hrs/Shft: 10.00	Cal: 510 WC:NYI287					
<u>GR2</u>	Compact- Large	24.00	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
24PIPE	4" Edge Drain Pip@1	600.00	LF	14.000	9,240					9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120		664	203			867
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230		735	614			1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440		2,721	2,196			4,917
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500		780				780
8RSW	Steel wheel roller	2.00	48.00 HR	56.260		1,551	1,150			2,700
8SMTOOLS	Small Tools	2.00	48.00 HR	10.000		480				480
8TPU	Pickup Truck	1.00	24.00 HR	9.870		81	156			237
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000		1,080	816			1,896
NY1	Foreman	1.00	24.00 MH	42.000	2,277					2,277
NY2	General Labor	8.00	192.00 MH	38.000	17,236					17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000	13,294					13,294
\$55,273.28	0.6000 MH/LF	360.0000	MH	[23.44]	32,806	9,240	8,092	5,135		55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	15.40	13.49	8.56		92.12

**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
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BID ITEM = 1040700 Land Item SCHEDULE: 1 100
Description = Ramp in Cut 15' to 25' New Construction Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

10650	Signage	Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287								
<u>PL1</u>	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2SIGN	Signage@110%	100.00	LF	150.000	16,500					16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73			205
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26			86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30			59
8SMTOOLS	Small Tools	4.00	8.00 HR	10.000		80				80
8TPU	Pickup Truck	1.00	2.00 HR	9.870		7	13			20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700		9	30			39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000		20				20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF	20.0000	MH	[7.88]	1,831	16,500	338	172		18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00	3.38	1.72		188.41

**Unreviewed

10700	Landscape	Quan: 4,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287								
<u>LSC1</u>	Landscape Crew - medium	20.00	CH	Prod: 200.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				
2LAND	Landscape@110%	4,000.00	SF	2.000	8,800					8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920		218				218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540		91				91
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400		2,285	2,123			4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000		1,200				1,200
8SMTOOLS	Small Tools	4.00	80.00 HR	10.000		800				800
8TPU	Pickup Truck	1.00	20.00 HR	9.870		67	130			197
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470		859	630			1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897

**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/>										
BID ITEM = 1040700			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut 15' to 25' New Construction				Unit = SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF	260.0000	MH	[2.53]	23,646	8,800	5,521	2,883		40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20	1.38	0.72		10.21
<hr/>										
=====> Item Totals: 1040700 - Ramp in Cut 15' to 25' New Construction										
\$505,359.30	0.9405 MH/SF	2,257.37	MH	[35.289]	201,268	65,338	57,486	42,388	138,880	505,359
210.566	2400 SF				83.86	27.22	23.95	17.66	57.87	210.57
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BID ITEM = 1040800			Land Item	SCHEDULE:	1	100			
Description = Ramp in Cut +25' New Construction				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000
10025	Prepare and roll base			Quan: 2,400.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287	
<u>GR2</u>	Compact- Large		1.20	CH	Prod: 2,000.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	**Unreviewed
8D6	CAT D6 Dozer	1.00	1.20	HR	36.120			33 10	43
8L938	CAT 938H Wheel loa	1.00	1.20	HR	56.230			37 31	67
8MG16H	Cat 16H Motorgrader	2.00	2.40	HR	102.440			136 110	246
8RSF	Sheepsft Roller	1.00	1.20	HR	32.500			39	39
8RSW	Steel wheel roller	2.00	2.40	HR	56.260			78 57	135
8SMTTOOLS	Small Tools	2.00	2.40	HR	10.000			24	24
8TPU	Pickup Truck	1.00	1.20	HR	9.870			4 8	12
8TWT5	Water Truck - 5,000	1.00	1.20	HR	79.000			54 41	95
NY1	Foreman	1.00	1.20	MH	42.000	114			114
NY2	General Labor	8.00	9.60	MH	38.000	862			862
NY3	Skilled Labor / Operat	6.00	7.20	MH	40.000	665			665
\$2,301.64	0.0075 MH/SF	18.0000	MH	[0.293]		1,640		405 257	2,302

**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/>										
BID ITEM = 1040800			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut +25' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
2,000.0000	Units/H*	20,000.0000	Un/Shift	133.3333	Unit/M	0.68		0.17	0.11	0.96
10050	Subbase			Quan: 7.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>GR2</u>	Compact- Large		0.28	CH	Prod: 25.0000	UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		**Unreviewed
2SBASE	Sub Base@110%		7.00	CY	14.000		108			108
8D6	CAT D6 Dozer	1.00	0.28	HR	36.120			8	2	10
8L938	CAT 938H Wheel loa	1.00	0.28	HR	56.230			9	7	16
8MG16H	Cat 16H Motorgrader	2.00	0.56	HR	102.440			32	26	57
8RSF	Sheepsft Roller	1.00	0.28	HR	32.500			9		9
8RSW	Steel wheel roller	2.00	0.56	HR	56.260			18	13	32
8SMTTOOLS	Small Tools	2.00	0.56	HR	10.000			6		6
8TPU	Pickup Truck	1.00	0.28	HR	9.870			1	2	3
8TWT5	Water Truck - 5,000	1.00	0.28	HR	79.000			13	10	22
NY1	Foreman	1.00	0.28	MH	42.000	27				27
NY2	General Labor	8.00	2.24	MH	38.000	201				201
NY3	Skilled Labor / Operat	6.00	1.68	MH	40.000	155				155
\$644.81	0.6000 MH/CY	4.2000	MH	[23.44]	383	108		94	60	645
25.0000	Units/H*	250.0000	Un/Shift	1.6667	Unit/M	54.68	15.40	13.48	8.56	92.12
10075	Earthwork - Cut			Quan: 12,963.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>EX5</u>	Excavator Crew - Medium		518.52	CH	Prod: 25.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 4.00		**Unreviewed
4HAUL	Hauling - Sub		12,963.00	CY	20.000				259,260	259,260
8EX350	CAT 350 3 CY Exca	1.00	518.52	HR	220.400			59,241	55,041	114,282
8SMTTOOLS	Small Tools	2.00	1,037.04	HR	10.000			10,370		10,370
8TPU	Pickup Truck	1.00	518.52	HR	9.870			1,747	3,370	5,118
LAB-A	General Labor - Appr	1.00	518.52	MH	28.430	40,237				40,237
LAB-F	General Labor - Fore	1.00	518.52	MH	34.000	43,911				43,911
LAB-J	General Labor - Class	1.00	518.52	MH	33.460	43,555				43,555

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 = 1040800			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut +25' New Construction				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
OP-2	Operator - Medium E	1.00	518.52 MH	43.500		50,176					50,176
OP-OIL	Equip Oiler	1.00	518.52 MH	43.780		50,361					50,361
\$617,268.98	0.2000 MH/CY	2,592.6000	MH	[7.327]		228,239		71,359	58,411	259,260	617,269
25.0000	Units/H*	250.0000	Un/Shift	5.0000 Unit/M		17.61		5.50	4.51	20.00	47.62
10100	Lift 1 Base Course			Quan:	30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
GR2	Compact- Large		1.20 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@		30.00 CY	50.000		1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110		246
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500				39			39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260				78	57		135
8SMTTOOLS	Small Tools	2.00	2.40 HR	10.000				24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870				4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000				54	41		95
NY1	Foreman	1.00	1.20 MH	42.000		114					114
NY2	General Labor	8.00	9.60 MH	38.000		862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000		665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]		1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M		54.68	55.00	13.49	8.56		131.72
10150	Lift 2 Base Course			Quan:	30.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
											**Unreviewed
GR2	Compact- Large		1.20 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00			
2BASEC	Pavement Base Cou@		30.00 CY	50.000		1,650					1,650
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120				33	10		43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230				37	31		67
8MG16H	Cat 16H Motorgrader	2.00	2.40 HR	102.440				136	110		246

**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/>										
BID ITEM = 1040800			Land Item	SCHEDULE: 1	100					
Description = Ramp in Cut +25' New Construction			Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000		
8RSF	Sheepsft Roller	1.00	1.20 HR	32.500			39			39
8RSW	Steel wheel roller	2.00	2.40 HR	56.260			78	57		135
8SMTOOLS	Small Tools	2.00	2.40 HR	10.000			24			24
8TPU	Pickup Truck	1.00	1.20 HR	9.870			4	8		12
8TWT5	Water Truck - 5,000	1.00	1.20 HR	79.000			54	41		95
NY1	Foreman	1.00	1.20 MH	42.000	114					114
NY2	General Labor	8.00	9.60 MH	38.000	862					862
NY3	Skilled Labor / Operat	6.00	7.20 MH	40.000	665					665
\$3,951.64	0.6000 MH/CY	18.0000	MH	[23.44]	1,640	1,650	405	257		3,952
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	54.68	55.00	13.49	8.56		131.72

10200 Binder Course **Quan: 30.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

**Unreviewed

<u>PV1</u>	Asp. Pave - Small		1.20 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00		
2HMAB	HMA Binder Course	30.00	TON	40.000	1,320			1,320
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150		210	100	310
8APBS	Sweeper	1.00	1.20 HR	62.120		38	36	75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070		119	96	215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10	43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31	67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750		54	23	77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000		60		60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000		54		54
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8	12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470		52	38	89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186			186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102			102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605			605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697			697

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/>										
BID ITEM = 1040800		Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut +25' New Construction		Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
\$3,911.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,320	661	341		3,911
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	44.00	22.03	11.36		130.37
<hr/>										
10250	Top Course	Quan: 30.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	1.20	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAT	HMA Top Course@1	30.00	TON	60.000	1,980					1,980
8AP1	Asphalt Paver (LG)	1.00	1.20 HR	258.150		210	100			310
8APBS	Sweeper	1.00	1.20 HR	62.120		38	36			75
8APLANT	Asphalt Plant & Equi	1.00	1.20 HR	179.070		119	96			215
8D6	CAT D6 Dozer	1.00	1.20 HR	36.120		33	10			43
8L938	CAT 938H Wheel loa	1.00	1.20 HR	56.230		37	31			67
8RPN	Pneumatic roller - 12	1.00	1.20 HR	63.750		54	23			77
8RT	Roller - Tandem 10to	1.00	1.20 HR	50.000		60				60
8TDIST	Distribution Truck	1.00	1.20 HR	45.000		54				54
8TPU	Pickup Truck	1.00	1.20 HR	9.870		4	8			12
8TWT3	Water Truck - 3,000	1.00	1.20 HR	74.470		52	38			89
LAB-A	General Labor - Appr	2.00	2.40 MH	28.430	186					186
LAB-F	General Labor - Fore	1.00	1.20 MH	34.000	102					102
LAB-J	General Labor - Class	6.00	7.20 MH	33.460	605					605
OP-2	Operator - Medium E	6.00	7.20 MH	43.500	697					697
\$4,571.11	0.6000 MH/TON	18.0000	MH	[22.105]	1,589	1,980	661	341		4,571
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	66.00	22.03	11.36		152.37
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10300	Tack Coat	Quan: 22.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	0.88	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMATK	HMA Tack Coat@11	22.00	TON	50.000	1,210					1,210
8AP1	Asphalt Paver (LG)	1.00	0.88 HR	258.150		154	73			227
8APBS	Sweeper	1.00	0.88 HR	62.120		28	27			55

**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/>										
BID ITEM = 1040800		Land Item		SCHEDULE: 1	100					
Description = Ramp in Cut +25' New Construction				Unit = SF	Takeoff Quan:		2,400.000	Engr Quan:	0.000	
8APLANT	Asphalt Plant & Equi	1.00	0.88 HR	179.070				87	70	158
8D6	CAT D6 Dozer	1.00	0.88 HR	36.120				24	7	32
8L938	CAT 938H Wheel loa	1.00	0.88 HR	56.230				27	23	49
8RPN	Pneumatic roller - 12	1.00	0.88 HR	63.750				40	17	56
8RT	Roller - Tandem 10to	1.00	0.88 HR	50.000				44		44
8TDIST	Distribution Truck	1.00	0.88 HR	45.000				40		40
8TPU	Pickup Truck	1.00	0.88 HR	9.870				3	6	9
8TWT3	Water Truck - 3,000	1.00	0.88 HR	74.470				38	28	66
LAB-A	General Labor - Appr	2.00	1.76 MH	28.430	137					137
LAB-F	General Labor - Fore	1.00	0.88 MH	34.000	75					75
LAB-J	General Labor - Class	6.00	5.28 MH	33.460	444					444
OP-2	Operator - Medium E	6.00	5.28 MH	43.500	511					511
\$3,110.11	0.6000 MH/TON	13.2000	MH	[22.105]	1,166	1,210		485	250	3,110
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	55.00		22.03	11.36	141.37

10350 Guard Rail **Quan: 100.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>PL1</u>	Place - Install Material	3.33	CH	Prod: 30.0003 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630		221	121			342
8LFORK	Fork Lift	1.00	3.33 HR	43.060		100	43			143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700		49	49			99
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000		133				133
8TPU	Pickup Truck	1.00	3.33 HR	9.870		11	22			33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700		15	51			66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000		33				33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539

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/>										
BID ITEM = 1040800		Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut +25' New Construction		Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:	0.000			
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00	5.63	2.86		149.01
<hr/>										
10450	Final Line and Grade	Quan: 2,400.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	2.40	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	2.40 HR	36.120		66	20			87
8L938	CAT 938H Wheel loa	1.00	2.40 HR	56.230		74	61			135
8MG16H	Cat 16H Motorgrader	2.00	4.80 HR	102.440		272	220			492
8RSF	Sheepsft Roller	1.00	2.40 HR	32.500		78				78
8RSW	Steel wheel roller	2.00	4.80 HR	56.260		155	115			270
8SMTTOOLS	Small Tools	2.00	4.80 HR	10.000		48				48
8TPU	Pickup Truck	1.00	2.40 HR	9.870		8	16			24
8TWT5	Water Truck - 5,000	1.00	2.40 HR	79.000		108	82			190
NY1	Foreman	1.00	2.40 MH	42.000	228					228
NY2	General Labor	8.00	19.20 MH	38.000	1,724					1,724
NY3	Skilled Labor / Operat	6.00	14.40 MH	40.000	1,329					1,329
\$4,603.31	0.0150 MH/SF	36.0000	MH	[0.586]	3,281		809	514		4,603
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37		0.34	0.21		1.92
<hr/>										
10500	Lane Markings	Quan: 7,200.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LM1</u>	Lane Markings	5.76	CH	Prod: 1,250.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 5.00				
2PAINT	Lane Markings@110	7,200.00	LF	1.500	11,880					11,880
8APBS	Sweeper	1.00	5.76 HR	62.120		183	175			358
8T5T	Flatbed Truck - 5 Ton	1.00	5.76 HR	21.220		25	97			122
8TPU	Pickup Truck	2.00	11.52 HR	9.870		39	75			114
8TSTRP	Thermo Striper	1.00	5.76 HR	100.000		576				576
NY1	Foreman	1.00	5.76 MH	42.000	546					546
NY2	General Labor	4.00	23.04 MH	38.000	2,068					2,068

**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
BID ITEM = 1040800			Land Item	SCHEDULE: 1	100						
Description = Ramp in Cut +25' New Construction				Unit =	SF	Takeoff Quan:	2,400.000	Engr Quan:		0.000	
NY3	Skilled Labor / Operat	4.00	23.04 MH	40.000		2,127					2,127
\$17,791.43	0.0072 MH/LF		51.8400 MH	[0.283]		4,742	11,880		822	347	17,791
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M		0.66	1.65		0.11	0.05	2.47
10550	4" Edge Drain Pipe			Quan: 600.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
GR2	Compact- Large		24.00 CH	Prod: 25.0000 UH		Lab Pcs: 15.00		Eqp Pcs: 11.00			
24PIPE	4" Edge Drain Pip@1		600.00 LF	14.000		9,240					9,240
8D6	CAT D6 Dozer	1.00	24.00 HR	36.120				664	203		867
8L938	CAT 938H Wheel loa	1.00	24.00 HR	56.230				735	614		1,350
8MG16H	Cat 16H Motorgrader	2.00	48.00 HR	102.440				2,721	2,196		4,917
8RSF	Sheepsft Roller	1.00	24.00 HR	32.500				780			780
8RSW	Steel wheel roller	2.00	48.00 HR	56.260				1,551	1,150		2,700
8SMTTOOLS	Small Tools	2.00	48.00 HR	10.000				480			480
8TPU	Pickup Truck	1.00	24.00 HR	9.870				81	156		237
8TWT5	Water Truck - 5,000	1.00	24.00 HR	79.000				1,080	816		1,896
NY1	Foreman	1.00	24.00 MH	42.000	2,277						2,277
NY2	General Labor	8.00	192.00 MH	38.000	17,236						17,236
NY3	Skilled Labor / Operat	6.00	144.00 MH	40.000	13,294						13,294
\$55,273.28	0.6000 MH/LF		360.0000 MH	[23.44]		32,806	9,240		8,092	5,135	55,273
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M		54.68	15.40		13.49	8.56	92.12
10650	Signage			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
PL1	Place - Install Material		2.00 CH	Prod: 50.0000 UH		Lab Pcs: 10.00		Eqp Pcs: 10.00			
2SIGN	Signage@110%		100.00 LF	150.000		16,500					16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630				133	73		205
8LFORK	Fork Lift	1.00	2.00 HR	43.060				60	26		86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700				30	30		59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000				80			80

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
BID ITEM = 1040800										
Description = Ramp in Cut +25' New Construction										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000										
8TPU	Pickup Truck	1.00	2.00 HR	9.870				7	13	20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700				9	30	39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000				20		20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	5.00	10.00 MH	40.000	923					923
\$18,840.98	0.2000 MH/LF		20.0000 MH	[7.88]	1,831	16,500		338	172	18,841
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	18.31	165.00		3.38	1.72	188.41
<hr/>										
10700	Landscape			Quan: 4,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287			
**Unreviewed										
<u>LSC1</u>	Landscape Crew - medium		20.00 CH	Prod: 200.0000 UH		Lab Pcs: 13.00		Eqp Pcs: 10.00		
2LAND	Landscape@110%		4,000.00 SF	2.000		8,800				8,800
8EXBC753M	Bobcat 753 no attach	1.00	20.00 HR	10.920				218		218
8EXBCATT	Bobcat Attachments	1.00	20.00 HR	4.540				91		91
8EXGRDALL	Gradall 3 CY	1.00	20.00 HR	220.400				2,285	2,123	4,408
8HYDMLC	Hydro Mulcher	1.00	20.00 HR	60.000				1,200		1,200
8SMTOOLS	Small Tools	4.00	80.00 HR	10.000				800		800
8TPU	Pickup Truck	1.00	20.00 HR	9.870				67	130	197
8TWT3	Water Truck - 3,000	1.00	20.00 HR	74.470				859	630	1,489
NY1	Foreman	1.00	20.00 MH	42.000	1,897					1,897
NY2	General Labor	8.00	160.00 MH	38.000	14,364					14,364
NY3	Skilled Labor / Operat	4.00	80.00 MH	40.000	7,385					7,385
\$40,850.03	0.0650 MH/SF		260.0000 MH	[2.53]	23,646	8,800		5,521	2,883	40,850
200.0000	Units/H*	2,000.0000	Un/Shift	15.3846 Unit/M	5.91	2.20		1.38	0.72	10.21
<hr/>										
=====> Item Totals: 1040800 - Ramp in Cut +25' New Construction										
\$791,970.61	1.4421 MH/SF		3,461.17 MH	[53.664]	307,244	65,338		90,619	69,509	259,260
329.988	2400 SF				128.02	27.22		37.76	28.96	108.03
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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 = 1040800 Land Item SCHEDULE: 1 100
Description = Ramp in Cut +25' New Construction Unit = SF Takeoff Quan: 2,400.000 Engr Quan: 0.000

Total of Above Sub-Biditems

=====> Item Totals:	1040000	- Pavement & Finishes - Interchange Ramps								
\$3,578,569.34	7.2886 MH/SF	17,492.74 MH	[277.919]	1,573,509	793,621		418,053	300,806	492,580	3,578,569
1,491.071	2400 SF			655.63	330.68		174.19	125.34	205.24	1,491.07

Total of Above Sub-Biditems

=====> Item Totals:	1000000	- Pavement & Finishes								
\$146,505,830.52	4,960.1222 MH/SF	496,012.22 MH	[192597.008]	45,051,405	79,989,348		12,755,404	7,339,249	1,370,425	146,505,831
1,465,058.305	100 SF			450,514.05	799,893.48		127,554.04	73,392.49	13,704.25	1,465,058.31

PARENT ITEM 2000000
Description = Edge Details Unit = EA Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 2000000:

PARENT ITEM 2010000
Description = Retained Fill Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 2010000:

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 = 2010050

Description = <6' Retained Fill

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10025 Earthwork - Fill **Quan: 133.00 CY** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>FILL</u>	Fill and Compact Crew	0.13	CH	Prod: 1,000.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 5.00			
2FILL	Fill - Borrow@110%	133.00	CY	10.000	1,463				1,463
8D06	CAT D6H Dozer	1.00	0.13 HR	99.820		7	6		13
8EXGRDALL	Gradall 3 CY	1.00	0.13 HR	220.400		15	14		29
8L950	CAT 950H Wheel Lo	1.00	0.13 HR	66.160		5	4		9
8RSF	Sheepsft Roller	1.00	0.13 HR	32.500		4			4
8RVS	Vib steel roller	1.00	0.13 HR	36.550		2	3		5
LAB-F	General Labor - Fore	1.00	0.13 MH	34.000	11				11
LAB-J	General Labor - Class	3.00	0.40 MH	33.460	34				34
LABF	Labor Foreman	1.00	0.13 MH	26.890	10				10
OP-2	Operator - Medium E	5.00	0.67 MH	43.500	65				65
OP-OIL	Equip Oiler	1.00	0.13 MH	43.780	13				13
\$1,654.13	0.0109 MH/CY	1.4600	MH	[0.422]	132	1,463	33	26	1,654
1,023.0769	Units/H*	10,230.7692	Un/Shift	91.0959 Unit/M	0.99	11.00	0.25	0.20	12.44

10050 Concrete Wall **Quan: 44.00 CY** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>CC1</u>	Concrete - Retaing Wall	5.50	CH	Prod: 8.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00			
2CONC	Concrete - Ready @1	44.00	CY	141.000	6,824				6,824
2REBAR	Rebar@110%	11,880.12	LBS	0.650	8,494				8,494
8CNCPE2	Concrete Place Equip	1.00	5.50 HR	37.692		185	22		207
8CNCPEQ2	Concrete Pumping Eq	1.00	5.50 HR	56.000		275	33		308
8CONC100	Concrete Conveyer (1	1.00	5.50 HR	23.850		69	62		131
8CONWT	Concrete Work Tools	2.00	11.00 HR	4.310		47			47
8CRNG40T	Grove RT640E 40 To	1.00	5.50 HR	110.000		440	165		605
8FORM1	Concrete Form Set - S	1.00	5.50 HR	5.000		28			28

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/>											
BID ITEM = 2010050			Land Item	SCHEDULE: 1	100						
Description = <6' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
8FORM2	Form System-with acc	1.00	5.50 HR	39.200				193	23		216
8GEN1000	Generators 1000 KW	1.00	5.50 HR	35.000				110	83		193
8SMTTOOLS	Small Tools	2.00	11.00 HR	10.000				110			110
8TPU	Pickup Truck	1.00	5.50 HR	9.870				19	36		54
CARP-F	Carpenter - Foreman	1.00	5.50 MH	45.500	546						546
CARP-J	Carpenter - Journeym	3.00	16.50 MH	40.250	1,528						1,528
IRW-LR	Iron Worker - Lather/	3.00	16.50 MH	50.250	1,738						1,738
OP-2	Operator - Medium E	1.00	5.50 MH	43.500	532						532
OP-CR1	Operator - Crane Med	1.00	5.50 MH	46.300	552						552
OP-OIL	Equip Oiler	1.00	5.50 MH	43.780	534						534
\$22,648.67	1.2500 MH/CY	55.0000	MH	[56.323]	5,431	15,319		1,475	424		22,649
8.0000	Units/H*	80.0000	Un/Shift	0.8000 Unit/M	123.44	348.15		33.52	9.64		514.74
<hr/>											
10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
GR3	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	7.00			
2SBASE	Sub Base@110%		7.41 CY	14.000	114						114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250				7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000				6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870				1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000				14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28						28
NY2	General Labor	5.00	1.48 MH	38.000	133						133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54						54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114		27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40		3.70	2.28		50.51
<hr/>											
10150	Soil Anchors			Quan: 120.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
											**Unreviewed
<u>CC2</u>	Soil Stabilize		12.00 CH	Prod: 10.0000 UH	Lab Pcs:	13.00	Eqp Pcs:	5.00			

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 = 2010050			Land Item	SCHEDULE: 1	100						
Description = <6' Retained Fill				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
2SANCHR	Soil Anchor Mater@1		120.00 EA	200.000		26,400					26,400
8AC1300	Air Compressor - 130	1.00	12.00 HR	131.450			576	1,001			1,577
8TPU	Pickup Truck	1.00	12.00 HR	9.870			40	78			118
8ZAIRD	Air Track Drill 4"	1.00	12.00 HR	161.050			1,380	553			1,933
8ZAIRH	Air Tools- Hose 50'l x	1.00	12.00 HR	0.510			6	1			6
8ZG050	Genset - 50 kW	1.00	12.00 HR	19.700			54	182			236
NY1	Foreman	1.00	12.00 MH	42.000	1,138						1,138
NY2	General Labor	4.00	48.00 MH	38.000	4,309						4,309
NY3	Skilled Labor / Operat	8.00	96.00 MH	40.000	8,862						8,862
\$44,580.69	1.3000 MH/EA	156.0000	MH	[51.4]	14,310	26,400	2,056	1,815			44,581
10.0000	Units/H*	100.0000	Un/Shift	0.7692 Unit/M	119.25	220.00	17.13	15.13			371.51
10200	Drainage Swale - clean fill			Quan: 166.67 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				**Unreviewed
GR4	Gradall Crew		6.66 CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 5.00					
2FILL	Fill - Borrow@110%		166.67 CY	10.000	1,833						1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400			1,523	1,415			2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230			204	171			375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000			133				133
NY1	Foreman	1.00	6.67 MH	42.000	633						633
NY2	General Labor	2.00	13.33 MH	38.000	1,197						1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846						1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833	1,861	1,586			8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00	11.16	9.51			53.73
10250	Drain Rock			Quan: 14.81 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				**Unreviewed
GR2	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00					
2DROCK	Drain Rock@110%		14.81 CY	50.000	815						815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120			16	5			21

**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
BID ITEM = 2010050			Land Item	SCHEDULE: 1	100						
Description = <6' Retained Fill			Unit =	LF	Takeoff Quan:	100.000		Engr Quan:		0.000	
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230				18	15		33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440				67	54		121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500				19			19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260				38	28		66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000				12			12
8TPU	Pickup Truck	1.00	0.59 HR	9.870				2	4		6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000				27	20		47
NY1	Foreman	1.00	0.59 MH	42.000		56					56
NY2	General Labor	8.00	4.74 MH	38.000		426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000		328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]		809	815	199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M		54.64	55.00	13.43	8.52		131.59
10300	K-Rail - Guard Rail			Quan: 100.00	LF	Hrs/Shft: 10.00	Cal: 510	WC: NYI287			
**Unreviewed											
CC3	Concrete Crew - Small		10.00	CH	Prod: 10.0000	UH	Lab Pcs: 8.00	Eqp Pcs: 6.00			
2KRAIL	KRail - Jersey Ba@11		100.00	LF	100.000		11,000				11,000
8AC1300	Air Compressor - 130	1.00	10.00	HR	131.450			480	835		1,315
8CONC100	Concrete Conveyer (1	1.00	10.00	HR	23.850			125	114		239
8CONWT	Concrete Work Tools	2.00	20.00	HR	4.310			86			86
8FORM1	Concrete Form Set - S	1.00	10.00	HR	5.000			50			50
8TPU	Pickup Truck	1.00	10.00	HR	9.870			34	65		99
NY1	Foreman	1.00	10.00	MH	42.000	949					949
NY2	General Labor	4.00	40.00	MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]		7,309	11,000	775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M		73.09	110.00	7.75	10.13		200.97

**Unreviewed

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 2010050			Land Item	SCHEDULE: 1	100					
Description = <6' Retained Fill				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000	
10350	Clean Fill under Thruway			Quan: 556.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
LD1	Load, Fill, Cut		22.24 CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%		556.00 CY	10.000	6,116					6,116
8EXM322D	CAT M322D 1.5 CY	1.00	22.24 HR	101.430			1,360	896		2,256
8L938	CAT 938H Wheel loa	2.00	44.48 HR	56.230			1,362	1,139		2,501
8SMTTOOLS	Small Tools	2.00	44.48 HR	10.000			445			445
8TPU	Pickup Truck	1.00	22.24 HR	9.870			75	145		220
NY1	Foreman	1.00	22.24 MH	42.000	2,110					2,110
NY2	General Labor	2.00	44.48 MH	38.000	3,993					3,993
NY3	Skilled Labor / Operat	3.00	66.72 MH	40.000	6,159					6,159
\$23,799.28	0.2400 MH/CY		133.4400 MH	[9.52]	12,262	6,116	3,242	2,180		23,799
25.0000	Units/H*	250.0000	Un/Shift	4.1667 Unit/M	22.05	11.00	5.83	3.92		42.80
10400	Gade and Compact			Quan: 5,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
GR1	Grading - Grader		5.00 CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	10.00 HR	102.440			567	458		1,024
8SMTTOOLS	Small Tools	2.00	10.00 HR	10.000			100			100
8TPU	Pickup Truck	1.00	5.00 HR	9.870			17	33		49
8TWT5	Water Truck - 5,000	1.00	5.00 HR	79.000			225	170		395
NY1	Foreman	1.00	5.00 MH	42.000	474					474
NY2	General Labor	2.00	10.00 MH	38.000	898					898
NY3	Skilled Labor / Operat	3.00	15.00 MH	40.000	1,385					1,385
\$4,325.51	0.0060 MH/SF		30.0000 MH	[0.238]	2,757		909	660		4,326
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667 Unit/M	0.55		0.18	0.13		0.87
=====> Item Totals:		2010050 - <6' Retained Fill								
\$128,383.62	5.0715 MH/LF		507.15 MH	[203.515]	46,901	63,060	10,576	7,847		128,384

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/>										
BID ITEM = 2010050		Land Item	SCHEDULE: 1	100						
Description = <6' Retained Fill		Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
1,283.836	100 LF			469.01	630.60	105.76	78.47			1,283.84

BID ITEM = 2010100	Land Item	SCHEDULE: 1	100							
Description = 6' to 15' Retained Fill	Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000					

10025	Earthwork - Fill	Quan: 833.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>FILL</u>	Fill and Compact Crew	41.65 CH	Prod: 20.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 5.00					
2FILL	Fill - Borrow@110%	833.00 CY	10.000	9,163						9,163
8D06	CAT D6H Dozer	1.00 41.65 HR	99.820		2,229	1,928				4,157
8EXGRDALL	Gradall 3 CY	1.00 41.65 HR	220.400		4,759	4,421				9,180
8L950	CAT 950H Wheel Lo	1.00 41.65 HR	66.160		1,550	1,206				2,756
8RSF	Sheepsft Roller	1.00 41.65 HR	32.500		1,354					1,354
8RVS	Vib steel roller	1.00 41.65 HR	36.550		679	843				1,522
LAB-F	General Labor - Fore	1.00 41.65 MH	34.000	3,527						3,527
LAB-J	General Labor - Class	3.00 124.95 MH	33.460	10,496						10,496
LABF	Labor Foreman	1.00 41.65 MH	26.890	3,171						3,171
OP-2	Operator - Medium E	5.00 208.25 MH	43.500	20,152						20,152
OP-OIL	Equip Oiler	1.00 41.65 MH	43.780	4,045						4,045
\$69,522.41	0.5500 MH/CY	458.1500 MH	[21.128]	41,391	9,163	10,570	8,399			69,522
20.0000	Units/H*	200.0000 Un/Shift	1.8182 Unit/M	49.69	11.00	12.69	10.08			83.46

10050	Concrete Wall	Quan: 111.11 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>CC1</u>	Concrete - Retaing Wall	13.88 CH	Prod: 8.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00					
2CONC	Concrete - Ready @1	111.11 CY	141.000	17,233						17,233
2REBAR	Rebar@110%	30,000.00 LBS	0.650	21,450						21,450
8CNCPE2	Concrete Place Equip	1.00 13.89 HR	37.692		467	56				524
8CNCPEQ2	Concrete Pumping Eq	1.00 13.89 HR	56.000		695	83				778

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/>										
BID ITEM = 2010100			Land Item	SCHEDULE: 1	100					
Description = 6' to 15' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8CONC100	Concrete Conveyer (1	1.00	13.89 HR	23.850			174	158		331
8CONWT	Concrete Work Tools	2.00	27.78 HR	4.310			120			120
8CRNG40T	Grove RT640E 40 To	1.00	13.89 HR	110.000			1,111	417		1,528
8FORM1	Concrete Form Set - S	1.00	13.89 HR	5.000			69			69
8FORM2	Form System-with acc	1.00	13.89 HR	39.200			486	58		544
8GEN1000	Generators 1000 KW	1.00	13.89 HR	35.000			278	208		486
8SMTTOOLS	Small Tools	2.00	27.78 HR	10.000			278			278
8TPU	Pickup Truck	1.00	13.89 HR	9.870			47	90		137
CARP-F	Carpenter - Foreman	1.00	13.89 MH	45.500	1,379					1,379
CARP-J	Carpenter - Journeym	3.00	41.67 MH	40.250	3,860					3,860
IRW-LR	Iron Worker - Lather/	3.00	41.67 MH	50.250	4,390					4,390
OP-2	Operator - Medium E	1.00	13.89 MH	43.500	1,344					1,344
OP-CR1	Operator - Crane Med	1.00	13.89 MH	46.300	1,394					1,394
OP-OIL	Equip Oiler	1.00	13.89 MH	43.780	1,349					1,349
\$57,194.67	1.2501 MH/CY	138.9000	MH	[56.328]	13,716	38,683	3,725	1,071		57,195
8.0050	Units/H*	80.0504	Un/Shift	0.7999 Unit/M	123.45	348.15	33.52	9.64		514.76
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10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC: NY1287			
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	7.00		
2SBASE	Sub Base@110%		7.41 CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114	27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40	3.70	2.28		50.51

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/>											
BID ITEM = 2010100			Land Item	SCHEDULE: 1	100						
Description = 6' to 15' Retained Fill				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
10150	Soil Anchors			Quan: 300.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC2</u>	Soil Stabilize		30.00 CH	Prod: 10.0000 UH	Lab Pcs:	13.00	Eqp Pcs:	5.00			
2SANCHR	Soil Anchor Mater@1		300.00 EA	200.000	66,000						66,000
8AC1300	Air Compressor - 130	1.00	30.00 HR	131.450			1,440	2,504			3,944
8TPU	Pickup Truck	1.00	30.00 HR	9.870			101	195			296
8ZAIRD	Air Track Drill 4"	1.00	30.00 HR	161.050			3,450	1,382			4,832
8ZAIRH	Air Tools- Hose 50'l x	1.00	30.00 HR	0.510			14	2			15
8ZG050	Genset - 50 kW	1.00	30.00 HR	19.700			135	456			591
NY1	Foreman	1.00	30.00 MH	42.000	2,846						2,846
NY2	General Labor	4.00	120.00 MH	38.000	10,773						10,773
NY3	Skilled Labor / Operat	8.00	240.00 MH	40.000	22,156						22,156
\$111,451.69	1.3000 MH/EA	390.0000	MH	[51.4]	35,774	66,000	5,140	4,538			111,452
10.0000	Units/H*	100.0000	Un/Shift	0.7692 Unit/M	119.25	220.00	17.13	15.13			371.51
10200	Drainage Swale - clean fill			Quan: 166.67 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR4</u>	Gradall Crew		6.66 CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	5.00			
2FILL	Fill - Borrow@110%		166.67 CY	10.000	1,833						1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400			1,523	1,415			2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230			204	171			375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000			133				133
NY1	Foreman	1.00	6.67 MH	42.000	633						633
NY2	General Labor	2.00	13.33 MH	38.000	1,197						1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846						1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833	1,861	1,586			8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00	11.16	9.51			53.73
10250	Drain Rock			Quan: 14.81 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00			

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/>										
BID ITEM = 2010100		Land Item		SCHEDULE: 1	100					
Description = 6' to 15' Retained Fill		Unit =		LF	Takeoff Quan:		100.000	Engr Quan:	0.000	
2DROCK	Drain Rock@110%		14.81 CY	50.000		815				815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120				16	5	21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230				18	15	33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440				67	54	121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500				19		19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260				38	28	66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000				12		12
8TPU	Pickup Truck	1.00	0.59 HR	9.870				2	4	6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000				27	20	47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815		199	126	1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00		13.43	8.52	131.59
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10300	K-Rail - Guard Rail	Quan: 100.00 LF		Hrs/Shft: 10.00	Cal: 510		WC:NYI287			
<u>CC3</u>	Concrete Crew - Small	10.00	CH	Prod: 10.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	6.00		
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450			480	835		1,315
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850			125	114		239
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310			86			86
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000			50			50
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000		775	1,013	20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00		7.75	10.13	200.97

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Operatio	Sub-Contract	Total
Resource	Pcs									
<hr/>										
BID ITEM = 2010100										
Description = 6' to 15' Retained Fill										
Land Item SCHEDULE: 1 100										
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000										
<hr/>										
10350	Clean Fill under Thruway	Quan: 1,388.89 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>LD1</u>	Load, Fill, Cut	55.55 CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00					
2FILL	Fill - Borrow@110%	1,388.89 CY	10.000	15,278						15,278
8EXM322D	CAT M322D 1.5 CY	1.00 55.56 HR	101.430		3,396	2,239				5,635
8L938	CAT 938H Wheel loa	2.00 111.11 HR	56.230		3,403	2,844				6,248
8SMTTOOLS	Small Tools	2.00 111.11 HR	10.000		1,111					1,111
8TPU	Pickup Truck	1.00 55.56 HR	9.870		187	361				548
NY1	Foreman	1.00 55.56 MH	42.000	5,270						5,270
NY2	General Labor	2.00 111.11 MH	38.000	9,975						9,975
NY3	Skilled Labor / Operat	3.00 166.67 MH	40.000	15,386						15,386
\$59,451.70	0.2400 MH/CY	333.3400 MH	[9.52]	30,631	15,278	8,098	5,445			59,452
25.0025	Units/H*	250.0252 Un/Shift	4.1666 Unit/M	22.05	11.00	5.83	3.92			42.81
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10400	Gade and Compact	Quan: 5,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>GR1</u>	Grading - Grader	5.00 CH	Prod: 1,000.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00					
8MG16H	Cat 16H Motorgrader	2.00 10.00 HR	102.440		567	458				1,024
8SMTTOOLS	Small Tools	2.00 10.00 HR	10.000		100					100
8TPU	Pickup Truck	1.00 5.00 HR	9.870		17	33				49
8TWT5	Water Truck - 5,000	1.00 5.00 HR	79.000		225	170				395
NY1	Foreman	1.00 5.00 MH	42.000	474						474
NY2	General Labor	2.00 10.00 MH	38.000	898						898
NY3	Skilled Labor / Operat	3.00 15.00 MH	40.000	1,385						1,385
\$4,325.51	0.0060 MH/SF	30.0000 MH	[0.238]	2,757		909	660			4,326
1,000.0000	Units/H*	10,000.0000 Un/Shift	166.6667 Unit/M	0.55		0.18	0.13			0.87
<hr/>										
=====> Item Totals: 2010100 - 6' to 15' Retained Fill										
\$333,321.32	14.8164 MH/LF	1,481.64 MH	[588.563]	136,279	142,886	31,303	22,853			333,321
3,333.213	100 LF			1,362.79	1,428.86	313.03	228.53			3,333.21

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/>										
BID ITEM = 2010200										
Description = 16' to 25' Retained Fill										
Land Item SCHEDULE: 1 100										
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000										
10025 Earthwork Fill										
Quan: 2,315.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287										
<u>FILL</u>	Fill and Compact Crew		115.75 CH	Prod: 20.0000 UH	Lab Pcs: 11.00		Eqp Pcs: 5.00			
2FILL	Fill - Borrow@110%		2,315.00 CY	10.000	25,465					25,465
8D06	CAT D6H Dozer	1.00	115.75 HR	99.820			6,195	5,359		11,554
8EXGRDALL	Gradall 3 CY	1.00	115.75 HR	220.400			13,224	12,287		25,511
8L950	CAT 950H Wheel Lo	1.00	115.75 HR	66.160			4,307	3,351		7,658
8RSF	Sheepsft Roller	1.00	115.75 HR	32.500			3,762			3,762
8RVS	Vib steel roller	1.00	115.75 HR	36.550			1,887	2,344		4,231
LAB-F	General Labor - Fore	1.00	115.75 MH	34.000	9,802					9,802
LAB-J	General Labor - Class	3.00	347.25 MH	33.460	29,168					29,168
LABF	Labor Foreman	1.00	115.75 MH	26.890	8,813					8,813
OP-2	Operator - Medium E	5.00	578.75 MH	43.500	56,004					56,004
OP-OIL	Equip Oiler	1.00	115.75 MH	43.780	11,242					11,242
\$193,210.61	0.5500 MH/CY		1,273.2500 MH	[21.128]	115,030	25,465	29,375	23,341		193,211
20.0000	Units/H*	200.0000	Un/Shift	1.8182 Unit/M	49.69	11.00	12.69	10.08		83.46
10050 Concrete Wall										
Quan: 222.22 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287										
<u>CC1</u>	Concrete - Retaing Wall		27.77 CH	Prod: 8.0000 UH	Lab Pcs: 10.00		Eqp Pcs: 12.00			
2CONC	Concrete - Ready @1		222.22 CY	141.000	34,466					34,466
2REBAR	Rebar@110%		60,000.00 LBS	0.650	42,900					42,900
8CNCPE2	Concrete Place Equip	1.00	27.78 HR	37.692			935	112		1,047
8CNCPEQ2	Concrete Pumping Eq	1.00	27.78 HR	56.000			1,389	167		1,556
8CONC100	Concrete Conveyer (1	1.00	27.78 HR	23.850			347	315		663
8CONWT	Concrete Work Tools	2.00	55.56 HR	4.310			239			239
8CRNG40T	Grove RT640E 40 To	1.00	27.78 HR	110.000			2,222	833		3,056
8FORM1	Concrete Form Set - S	1.00	27.78 HR	5.000			139			139
8FORM2	Form System-with acc	1.00	27.78 HR	39.200			972	117		1,089
8GEN1000	Generators 1000 KW	1.00	27.78 HR	35.000			556	417		972

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/>										
BID ITEM = 2010200			Land Item	SCHEDULE: 1	100					
Description = 16' to 25' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8SMTTOOLS	Small Tools	2.00	55.56 HR	10.000			556			556
8TPU	Pickup Truck	1.00	27.78 HR	9.870			94	181		274
CARP-F	Carpenter - Foreman	1.00	27.78 MH	45.500	2,759					2,759
CARP-J	Carpenter - Journeym	3.00	83.33 MH	40.250	7,719					7,719
IRW-LR	Iron Worker - Lather/	3.00	83.33 MH	50.250	8,779					8,779
OP-2	Operator - Medium E	1.00	27.78 MH	43.500	2,688					2,688
OP-CR1	Operator - Crane Med	1.00	27.78 MH	46.300	2,787					2,787
OP-OIL	Equip Oiler	1.00	27.78 MH	43.780	2,698					2,698
\$114,387.40	1.2500 MH/CY	277.7800	MH	[56.323]	27,431	77,366	7,449	2,142		114,387
8.0022	Units/H*	80.0216	Un/Shift	0.8000 Unit/M	123.44	348.15	33.52	9.64		514.75
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10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 7.00				
2SBASE	Sub Base@110%		7.41 CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250		7	5			12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000		6				6
8TPU	Pickup Truck	1.00	0.30 HR	9.870		1	2			3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000		14	10			24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114	27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40	3.70	2.28		50.51
<hr/>										
10150	Soil Anchors			Quan: 600.00 EA	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>CC2</u>	Soil Stabilize		60.00 CH	Prod: 10.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00				
2SANCHR	Soil Anchor Mater@1		600.00 EA	200.000	132,000					132,000
8AC1300	Air Compressor - 130	1.00	60.00 HR	131.450		2,880	5,007			7,887
8TPU	Pickup Truck	1.00	60.00 HR	9.870		202	390			592

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 = 2010200

Description = 16' to 25' Retained Fill

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

8ZAIRD	Air Track Drill 4"	1.00	60.00 HR	161.050			6,900	2,763		9,663
8ZAIRH	Air Tools- Hose 50'1 x	1.00	60.00 HR	0.510			28	3		31
8ZG050	Genset - 50 kW	1.00	60.00 HR	19.700			270	912		1,182
NY1	Foreman	1.00	60.00 MH	42.000	5,692					5,692
NY2	General Labor	4.00	240.00 MH	38.000	21,545					21,545
NY3	Skilled Labor / Operat	8.00	480.00 MH	40.000	44,312					44,312
\$222,903.40	1.3000 MH/EA	780.0000	MH	[51.4]	71,549	132,000		10,280	9,075	222,903
10.0000	Units/H*	100.0000	Un/Shift	0.7692 Unit/M	119.25	220.00		17.13	15.13	371.51

10200 Drainage Swale - clean fill Quan: 166.67 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

GR4	Gradall Crew		6.66 CH	Prod: 25.0000 UH	Lab Pcs: 6.00		Eqp Pcs: 5.00			
2FILL	Fill - Borrow@110%		166.67 CY	10.000	1,833					1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400			1,523	1,415		2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230			204	171		375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000			133			133
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586	8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		11.16	9.51	53.73

10250 Drain Rock Quan: 14.81 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2DROCK	Drain Rock@110%		14.81 CY	50.000	815					815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120			16	5		21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230			18	15		33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440			67	54		121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500			19			19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260			38	28		66

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/>										
BID ITEM = 2010200			Land Item	SCHEDULE: 1	100					
Description = 16' to 25' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000			12			12
8TPU	Pickup Truck	1.00	0.59 HR	9.870			2	4		6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000			27	20		47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00	13.43	8.52		131.59
<hr/>										
10300	K-Rail - Guard Rail			Quan: 100.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>CC3</u>	Concrete Crew - Small		10.00 CH	Prod: 10.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	6.00		
2KRAIL	KRail - Jersey Ba@11		100.00 LF	100.000	11,000					11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450			480	835		1,315
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850			125	114		239
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310			86			86
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000			50			50
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000	775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00	7.75	10.13		200.97
<hr/>										
10350	Clean Fill under Thruway			Quan: 2,777.78 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>LD1</u>	Load, Fill, Cut		111.11 CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%		2,777.78 CY	10.000	30,556					30,556
8EXM322D	CAT M322D 1.5 CY	1.00	111.11 HR	101.430			6,792	4,478		11,270
8L938	CAT 938H Wheel loa	2.00	222.22 HR	56.230			6,807	5,689		12,495
8SMTTOOLS	Small Tools	2.00	222.22 HR	10.000			2,222			2,222

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/>										
BID ITEM = 2010200		Land Item		SCHEDULE: 1	100					
Description = 16' to 25' Retained Fill		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			
8TPU	Pickup Truck	1.00	111.11 HR	9.870				374	722	1,097
NY1	Foreman	1.00	111.11 MH	42.000	10,540					10,540
NY2	General Labor	2.00	222.22 MH	38.000	19,949					19,949
NY3	Skilled Labor / Operat	3.00	333.33 MH	40.000	30,772					30,772
\$118,900.48	0.2399 MH/CY	666.6600	MH	[9.52]	61,261	30,556		16,195	10,889	118,900
25.0003	Units/H*	250.0027	Un/Shift	4.1667 Unit/M	22.05	11.00		5.83	3.92	42.80
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10400	Gade and Compact	Quan: 5,000.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR1</u>	Grading - Grader	5.00	CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	10.00 HR	102.440			567	458		1,024
8SMTTOOLS	Small Tools	2.00	10.00 HR	10.000			100			100
8TPU	Pickup Truck	1.00	5.00 HR	9.870			17	33		49
8TWT5	Water Truck - 5,000	1.00	5.00 HR	79.000			225	170		395
NY1	Foreman	1.00	5.00 MH	42.000	474					474
NY2	General Labor	2.00	10.00 MH	38.000	898					898
NY3	Skilled Labor / Operat	3.00	15.00 MH	40.000	1,385					1,385
\$4,325.51	0.0060 MH/SF	30.0000	MH	[0.238]	2,757		909	660		4,326
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667 Unit/M	0.55		0.18	0.13		0.87
<hr/>										
=====> Item Totals: 2010200 - 16' to 25' Retained Fill										
\$685,102.74	31.5894 MH/LF	3,158.94	MH	[1250.666]	290,036	279,149	67,070	48,848		685,103
6,851.027	100 LF				2,900.36	2,791.49	670.70	488.48		6,851.03
<hr/>										
BID ITEM = 2010300		Land Item		SCHEDULE: 1	100					
Description = xx' > 25' Retained Fill		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			

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/>											
BID ITEM = 2010300		Land Item	SCHEDULE: 1	100							
Description = xx' > 25' Retained Fill		Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
<hr/>											
10025	Earthwork - Fill	Quan: 7,500.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>FILL</u>	Fill and Compact Crew	375.00	CH	Prod: 20.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 5.00					
2FILL	Fill - Borrow@110%	7,500.00	CY	10.000	82,500						82,500
8D06	CAT D6H Dozer	1.00	375.00	HR	99.820			20,070	17,363		37,433
8EXGRDALL	Gradall 3 CY	1.00	375.00	HR	220.400			42,844	39,806		82,650
8L950	CAT 950H Wheel Lo	1.00	375.00	HR	66.160			13,954	10,856		24,810
8RSF	Sheepsft Roller	1.00	375.00	HR	32.500			12,188			12,188
8RVS	Vib steel roller	1.00	375.00	HR	36.550			6,113	7,594		13,706
LAB-F	General Labor - Fore	1.00	375.00	MH	34.000	31,757					31,757
LAB-J	General Labor - Class	3.00	1,125.00	MH	33.460	94,498					94,498
LABF	Labor Foreman	1.00	375.00	MH	26.890	28,551					28,551
OP-2	Operator - Medium E	5.00	1,875.00	MH	43.500	181,439					181,439
OP-OIL	Equip Oiler	1.00	375.00	MH	43.780	36,421					36,421
\$625,952.39	0.5500 MH/CY	4,125.0000	MH	[21.128]	372,666	82,500		95,168	75,619		625,952
20.0000	Units/H*	200.0000	Un/Shift	1.8182 Unit/M	49.69	11.00		12.69	10.08		83.46
<hr/>											
10050	Concrete Wall	Quan: 333.33 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>CC1</u>	Concrete - Retaing Wall	41.66	CH	Prod: 8.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00					
2CONC	Concrete - Ready @1	333.33	CY	141.000	51,699						51,699
8CNCPE2	Concrete Place Equip	1.00	41.67	HR	37.692			1,402	168		1,571
8CNCPEQ2	Concrete Pumping Eq	1.00	41.67	HR	56.000			2,084	250		2,334
8CONC100	Concrete Conveyer (1	1.00	41.67	HR	23.850			521	473		994
8CONWT	Concrete Work Tools	2.00	83.33	HR	4.310			359			359
8CRNG40T	Grove RT640E 40 To	1.00	41.67	HR	110.000			3,334	1,250		4,584
8FORM1	Concrete Form Set - S	1.00	41.67	HR	5.000			208			208
8FORM2	Form System-with acc	1.00	41.67	HR	39.200			1,458	175		1,633
8GEN1000	Generators 1000 KW	1.00	41.67	HR	35.000			833	625		1,458
8SMTOOLS	Small Tools	2.00	83.33	HR	10.000			833			833

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Total
<hr/>										
BID ITEM = 2010300			Land Item	SCHEDULE: 1	100					
Description = xx' > 25' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8TPU	Pickup Truck	1.00	41.67 HR	9.870				140	271	411
CARP-F	Carpenter - Foreman	1.00	41.67 MH	45.500	4,138					4,138
CARP-J	Carpenter - Journeym	3.00	125.00 MH	40.250	11,579					11,579
IRW-LR	Iron Worker - Lather/	3.00	125.00 MH	50.250	13,169					13,169
OP-2	Operator - Medium E	1.00	41.67 MH	43.500	4,032					4,032
OP-CR1	Operator - Crane Med	1.00	41.67 MH	46.300	4,181					4,181
OP-OIL	Equip Oiler	1.00	41.67 MH	43.780	4,047					4,047
\$107,231.95	1.2500 MH/CY	416.6800	MH	[56.325]	41,147	51,699		11,173	3,212	107,232
8.0012	Units/H*	80.0120	Un/Shift	0.8000 Unit/M	123.44	155.10		33.52	9.64	321.70
<hr/>										
10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 7.00				
2SBASE	Sub Base@110%		7.41 CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250		7	5			12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000		6				6
8TPU	Pickup Truck	1.00	0.30 HR	9.870		1	2			3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000		14	10			24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114		27	17	374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40		3.70	2.28	50.51
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10150	Soil Anchors			Quan: 900.00 EA	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>CC2</u>	Soil Stabilize		90.00 CH	Prod: 10.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00				
2SANCHR	Soil Anchor Mater@1		900.00 EA	200.000	198,000					198,000
8AC1300	Air Compressor - 130	1.00	90.00 HR	131.450		4,320	7,511			11,831
8TPU	Pickup Truck	1.00	90.00 HR	9.870		303	585			888
8ZAIRD	Air Track Drill 4"	1.00	90.00 HR	161.050		10,350	4,145			14,495

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/>											
BID ITEM = 2010300			Land Item	SCHEDULE: 1	100						
Description = xx' > 25' Retained Fill			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
8ZAIRH	Air Tools- Hose 50'1 x	1.00	90.00 HR	0.510				41	5		46
8ZG050	Genset - 50 kW	1.00	90.00 HR	19.700				405	1,368		1,773
NY1	Foreman	1.00	90.00 MH	42.000	8,537						8,537
NY2	General Labor	4.00	360.00 MH	38.000	32,318						32,318
NY3	Skilled Labor / Operat	8.00	720.00 MH	40.000	66,468						66,468
\$334,355.09	1.3000 MH/EA	1,170.0000	MH	[51.4]	107,323	198,000		15,420	13,613		334,355
10.0000	Units/H*	100.0000	Un/Shift	0.7692 Unit/M	119.25	220.00		17.13	15.13		371.51
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10200	Drainage Swale - clean fill			Quan: 166.67 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR4</u>	Gradall Crew		6.66 CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	5.00			
2FILL	Fill - Borrow@110%		166.67 CY	10.000	1,833						1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400				1,523	1,415		2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230				204	171		375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000				133			133
NY1	Foreman	1.00	6.67 MH	42.000	633						633
NY2	General Labor	2.00	13.33 MH	38.000	1,197						1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846						1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586		8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		11.16	9.51		53.73
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10250	Drain Rock			Quan: 14.81 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00			
2DROCK	Drain Rock@110%		14.81 CY	50.000	815						815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120				16	5		21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230				18	15		33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440				67	54		121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500				19			19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260				38	28		66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000				12			12

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/>										
BID ITEM = 2010300		Land Item		SCHEDULE: 1	100					
Description = xx' > 25' Retained Fill		Unit =		LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	0.59 HR	9.870			2	4		6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000			27	20		47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00	13.43	8.52		131.59
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10300	K-Rail - Guard Rail	Quan: 100.00 LF		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>CC3</u>	Concrete Crew - Small	10.00	CH	Prod: 10.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 6.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450		480	835			1,315
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850		125	114			239
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310		86				86
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000		50				50
8TPU	Pickup Truck	1.00	10.00 HR	9.870		34	65			99
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000	775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00	7.75	10.13		200.97
<hr/>										
10350	Clean Fill under Thruway	Quan: 4,166.67 CY		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>LD1</u>	Load, Fill, Cut	166.66	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00				
2FILL	Fill - Borrow@110%	4,166.67	CY	10.000	45,833					45,833
8EXM322D	CAT M322D 1.5 CY	1.00	166.67 HR	101.430		10,189	6,717			16,905
8L938	CAT 938H Wheel loa	2.00	333.33 HR	56.230		10,210	8,533			18,743
8SMTTOOLS	Small Tools	2.00	333.33 HR	10.000		3,333				3,333
8TPU	Pickup Truck	1.00	166.67 HR	9.870		562	1,083			1,645

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
BID ITEM = 2010300															
Description = xx' > 25' Retained Fill															
Land Item SCHEDULE: 1 100															
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000															
NY1	Foreman	1.00	166.67	MH	42.000	15,810									15,810
NY2	General Labor	2.00	333.33	MH	38.000	29,924									29,924
NY3	Skilled Labor / Operat	3.00	500.00	MH	40.000	46,158									46,158
\$178,352.21	0.2399 MH/CY	1,000.0000	MH	[9.52]		91,892	45,833			24,293	16,333				178,352
25.0010	Units/H*	250.0102	Un/Shift	4.1667	Unit/M	22.05	11.00			5.83	3.92				42.80
10400 Gade and Compact															
Quan: 5,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC: NYI287															
GR1 Grading - Grader 5.00 CH Prod: 1,000.0000 UH Lab Pcs: 6.00 Eqp Pcs: 6.00															
8MG16H	Cat 16H Motorgrader	2.00	10.00	HR	102.440					567	458				1,024
8SMTTOOLS	Small Tools	2.00	10.00	HR	10.000					100					100
8TPU	Pickup Truck	1.00	5.00	HR	9.870					17	33				49
8TWT5	Water Truck - 5,000	1.00	5.00	HR	79.000					225	170				395
NY1	Foreman	1.00	5.00	MH	42.000	474									474
NY2	General Labor	2.00	10.00	MH	38.000	898									898
NY3	Skilled Labor / Operat	3.00	15.00	MH	40.000	1,385									1,385
\$4,325.51	0.0060 MH/SF	30.0000	MH	[0.238]		2,757				909	660				4,326
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55				0.18	0.13				0.87
=====> Item Totals: 2010300 - xx' > 25' Retained Fill															
\$1,281,592.49	68.7293 MH/LF	6,872.93	MH	[2695.137]		627,794	391,795			149,825	112,179				1,281,592
12,815.925	100 LF					6,277.94	3,917.95			1,498.25	1,121.79				12,815.92
Total of Above Sub-Biditems															
=====> Item Totals: 2010000 - Retained Fill															
\$2,428,400.17	120.2066 MH/LF	12,020.66	MH	[4737.881]		1,101,011	876,890			258,773	191,727				2,428,400
24,284.002	100 LF					11,010.11	8,768.90			2,587.73	1,917.27				24,284.00

DIRECT COST REPORT

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

PARENT ITEM 2020000

Description = Retained Cut	Unit =	LF	Takeoff Quan:	0.000	Engr Quan:	0.000
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Listing of Sub-Biditems of Parent Item 2020000:

BID ITEM = 2020050	Land Item	SCHEDULE:	1	100		
Description = <6' Retained Cut		Unit =	LF	Takeoff Quan:	100.000	Engr Quan: 0.000

10050	Concrete Wall	Quan:	44.00	CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287		
CC1	Concrete - Retaing Wall	5.50	CH	Prod: 8.0000	UH	Lab Pcs: 10.00	Eqp Pcs: 12.00		**Un
2CONC	Concrete - Ready @ 1	44.35	CY	141.000		6,879			6,879
2REBAR	Rebar@ 110%	11,880.12	LBS	0.650		8,494			8,494
8CNCPE2	Concrete Place Equip	1.00	5.50	HR	37.692		185	22	207
8CNCPEQ2	Concrete Pumping Eq	1.00	5.50	HR	56.000		275	33	308
8CONC100	Concrete Conveyer (1	1.00	5.50	HR	23.850		69	62	131
8CONWT	Concrete Work Tools	2.00	11.00	HR	4.310		47		47
8CRNG40T	Grove RT640E 40 To	1.00	5.50	HR	110.000		440	165	605
8FORM1	Concrete Form Set - S	1.00	5.50	HR	5.000		28		28
8FORM2	Form System-with acc	1.00	5.50	HR	39.200		193	23	216
8GEN1000	Generators 1000 KW	1.00	5.50	HR	35.000		110	83	193
8SMTOOLS	Small Tools	2.00	11.00	HR	10.000		110		110
8TPU	Pickup Truck	1.00	5.50	HR	9.870		19	36	54
CARP-F	Carpenter - Foreman	1.00	5.50	MH	45.500	546			546
CARP-J	Carpenter - Journeym	3.00	16.50	MH	40.250	1,528			1,528
IRW-LR	Iron Worker - Lather/	3.00	16.50	MH	50.250	1,738			1,738
OP-2	Operator - Medium E	1.00	5.50	MH	43.500	532			532
OP-CR1	Operator - Crane Med	1.00	5.50	MH	46.300	552			552
OP-OIL	Equip Oiler	1.00	5.50	MH	43.780	534			534
\$22,702.96	1.2500 MH/CY	55.0000	MH	[56.323]	5,431	15,373	1,475	424	22,703
8.0000	Units/H*	80.0000	Un/Shift	0.8000 Unit/M	123.44	349.39	33.52	9.64	515.98

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
BID ITEM = 2020050			Land Item	SCHEDULE: 1	100					
Description = <6' Retained Cut				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000	
10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH		Lab Pcs: 8.00	Eqp Pcs: 7.00			
2SBASE	Sub Base@110%		7.41 CY	14.000		114				114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114	27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40	3.70	2.28		50.51
10150	Cut, excavate, and remove - soil			Quan: 778.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>EX5</u>	Excavator Crew - Medium		12.96 CH	Prod: 59.9998 UH		Lab Pcs: 5.00	Eqp Pcs: 4.00			
4HAUL	Hauling - Sub		778.00 CY	15.000					11,670	11,670
8EX350	CAT 350 3 CY Exca	1.00	12.97 HR	220.400			1,482	1,377		2,859
8SMTTOOLS	Small Tools	2.00	25.93 HR	10.000			259			259
8TPU	Pickup Truck	1.00	12.97 HR	9.870			44	84		128
LAB-A	General Labor - Appr	1.00	12.97 MH	28.430	1,006					1,006
LAB-F	General Labor - Fore	1.00	12.97 MH	34.000	1,098					1,098
LAB-J	General Labor - Class	1.00	12.97 MH	33.460	1,089					1,089
OP-2	Operator - Medium E	1.00	12.97 MH	43.500	1,255					1,255
OP-OIL	Equip Oiler	1.00	12.97 MH	43.780	1,260					1,260
\$20,624.97	0.0833 MH/CY	64.8500	MH	[3.054]	5,709		1,785	1,461	11,670	20,625
60.0309	Units/H*	600.3086	Un/Shift	11.9969 Unit/M	7.34		2.29	1.88	15.00	26.51

**Unreviewed

**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 = 2020050

Description = <6' Retained Cut

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10200 Cut, excavate, and remove - rock Quan: 111.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EX3</u>	Excavate Hard Rock - Ripping		37.00	CH	Prod: 3.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00			
4HAUL	Hauling - Sub		111.00	CY	50.000				5,550	5,550
8ADDSTM	Addon - Small Tool&	1.00	37.00	HR	2.650		80	19		98
8D6	CAT D6 Dozer	1.00	37.00	HR	36.120		1,023	313		1,336
8EX350	CAT 350 3 CY Exca	1.00	37.00	HR	220.400		4,227	3,928		8,155
8GEN1000	Generators 1000 KW	1.00	37.00	HR	35.000		740	555		1,295
8L963C	CAT 963C Track Loa	1.00	37.00	HR	61.680		1,860	422		2,282
8SMTTOOLS	Small Tools	2.00	74.00	HR	10.000		740			740
8TPU	Pickup Truck	1.00	37.00	HR	9.870		125	241		365
LAB-A	General Labor - Appr	2.00	74.00	MH	28.430	5,742				5,742
LAB-F	General Labor - Fore	1.00	37.00	MH	34.000	3,133				3,133
LAB-J	General Labor - Class	3.00	111.00	MH	33.460	9,324				9,324
OP-2	Operator - Medium E	3.00	111.00	MH	43.500	10,741				10,741
OP-OIL	Equip Oiler	1.00	37.00	MH	43.780	3,594				3,594
\$52,355.92	3.3333 MH/CY	370.0000	MH	[121.84]	32,534		8,795	5,476	5,550	52,356
3.0000	Units/H*	30.0000	Un/Shift	0.3000 Unit/M	293.10		79.24	49.34	50.00	471.67

10250 Soil Anchors Quan: 120.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>CC2</u>	Soil Stabilize		120.00	CH	Prod: 1.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00			
2SANCHR	Soil Anchor Mater@1		120.00	EA	200.000	26,400				26,400
8AC1300	Air Compressor - 130	1.00	120.00	HR	131.450		5,760	10,014		15,774
8TPU	Pickup Truck	1.00	120.00	HR	9.870		404	780		1,184
8ZAIRD	Air Track Drill 4"	1.00	120.00	HR	161.050		13,800	5,526		19,326
8ZAIRH	Air Tools- Hose 50'1 x	1.00	120.00	HR	0.510		55	6		61
8ZG050	Genset - 50 kW	1.00	120.00	HR	19.700		540	1,824		2,364
NY1	Foreman	1.00	120.00	MH	42.000	11,383				11,383

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
BID ITEM = 2020050			Land Item		SCHEDULE: 1		100								
Description = <6' Retained Cut			Unit =		LF		Takeoff Quan:		100.000		Engr Quan:		0.000		
NY2	General Labor	4.00	480.00	MH	38.000		43,091								43,091
NY3	Skilled Labor / Operat	8.00	960.00	MH	40.000		88,623								88,623
\$208,206.80	13.0000 MH/EA	1,560.0000	MH		[514]		143,097	26,400			20,560	18,150			208,207
1.0000	Units/H*	10.0000	Un/Shift	0.0769	Unit/M		1,192.48	220.00			171.33	151.25			1,735.06
10300	Drainage Swale - clean fill				Quan:	166.67	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
															**Unreviewed
GR4	Gradall Crew		6.66	CH	Prod:	25.0000	UH	Lab Pcs:	6.00	Eqp Pcs:	5.00				
2FILL	Fill - Borrow@110%		166.67	CY	10.000			1,833							1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33	HR	220.400					1,523	1,415				2,938
8L938	CAT 938H Wheel loa	1.00	6.67	HR	56.230					204	171				375
8SMTTOOLS	Small Tools	2.00	13.33	HR	10.000					133					133
NY1	Foreman	1.00	6.67	MH	42.000		633								633
NY2	General Labor	2.00	13.33	MH	38.000		1,197								1,197
NY3	Skilled Labor / Operat	3.00	20.00	MH	40.000		1,846								1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH		[9.52]		3,676	1,833		1,861	1,586				8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668	Unit/M		22.05	11.00		11.16	9.51				53.73
10350	Drain Rock				Quan:	14.81	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
															**Unreviewed
GR2	Compact- Large		0.59	CH	Prod:	25.0000	UH	Lab Pcs:	15.00	Eqp Pcs:	11.00				
2DROCK	Drain Rock@110%		14.81	CY	50.000		815								815
8D6	CAT D6 Dozer	1.00	0.59	HR	36.120					16	5				21
8L938	CAT 938H Wheel loa	1.00	0.59	HR	56.230					18	15				33
8MG16H	Cat 16H Motorgrader	2.00	1.18	HR	102.440					67	54				121
8RSF	Sheepsft Roller	1.00	0.59	HR	32.500					19					19
8RSW	Steel wheel roller	2.00	1.18	HR	56.260					38	28				66
8SMTTOOLS	Small Tools	2.00	1.18	HR	10.000					12					12
8TPU	Pickup Truck	1.00	0.59	HR	9.870					2	4				6
8TWT5	Water Truck - 5,000	1.00	0.59	HR	79.000					27	20				47

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	
Resource								Material	Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 2020050			Land Item		SCHEDULE: 1		100						
Description = <6' Retained Cut			Unit =		LF	Takeoff	Quan:	100.000	Engr		Quan:	0.000	
NY1	Foreman	1.00	0.59	MH	42.000		56						56
NY2	General Labor	8.00	4.74	MH	38.000		426						426
NY3	Skilled Labor / Operat	6.00	3.55	MH	40.000		328						328
\$1,948.87	0.5995 MH/CY		8.8800	MH	[23.423]		809	815		199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift		1.6678	Unit/M	54.64	55.00		13.43	8.52		131.59
10400	K-Rail - Guard Rail				Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
													**Unreviewed
CC3	Concrete Crew - Small		10.00	CH	Prod: 10.0000 UH			Lab Pcs:	8.00	Eqp Pcs:	6.00		
2KRAIL	KRail - Jersey Ba@11		100.00	LF	100.000			11,000					11,000
8AC1300	Air Compressor - 130	1.00	10.00	HR	131.450					480	835		1,315
8CONC100	Concrete Conveyer (1	1.00	10.00	HR	23.850					125	114		239
8CONWT	Concrete Work Tools	2.00	20.00	HR	4.310					86			86
8FORM1	Concrete Form Set - S	1.00	10.00	HR	5.000					50			50
8TPU	Pickup Truck	1.00	10.00	HR	9.870					34	65		99
NY1	Foreman	1.00	10.00	MH	42.000		949						949
NY2	General Labor	4.00	40.00	MH	38.000		3,591						3,591
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000		2,769						2,769
\$20,096.87	0.8000 MH/LF		80.0000	MH	[31.4]		7,309	11,000		775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift		1.2500	Unit/M	73.09	110.00		7.75	10.13		200.97
10450	Clean Fill under Thruway				Quan:	111.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
													**Unreviewed
LD1	Load, Fill, Cut		4.44	CH	Prod: 25.0000 UH			Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%		111.00	CY	10.000			1,221					1,221
8EXM322D	CAT M322D 1.5 CY	1.00	4.44	HR	101.430					271	179		450
8L938	CAT 938H Wheel loa	2.00	8.88	HR	56.230					272	227		499
8SMTTOOLS	Small Tools	2.00	8.88	HR	10.000					89			89
8TPU	Pickup Truck	1.00	4.44	HR	9.870					15	29		44
NY1	Foreman	1.00	4.44	MH	42.000		421						421

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Constr	Equipme	Equipme	Sub-	
Resource									Matl/Ex Ownershi	Operatio		Contract	Total
BID ITEM = 2020050													
Description = <6' Retained Cut			Land Item	SCHEDULE: 1	100								
			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000				
NY2	General Labor	2.00	8.88 MH	38.000	797								797
NY3	Skilled Labor / Operat	3.00	13.32 MH	40.000	1,230								1,230
\$4,751.28	0.2400 MH/CY	26.6400	MH	[9.52]	2,448	1,221	647	435					4,751
25.0000	Units/H*	250.0000	Un/Shift	4.1667 Unit/M	22.05	11.00	5.83	3.92					42.80
10500	Gade and Compact			Quan: 10,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287						
													**Unreviewed
<u>GR1</u>	Grading - Grader		10.00 CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00					
8MG16H	Cat 16H Motorgrader	2.00	20.00 HR	102.440			1,134	915					2,049
8SMTTOOLS	Small Tools	2.00	20.00 HR	10.000			200						200
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65					99
8TWT5	Water Truck - 5,000	1.00	10.00 HR	79.000			450	340					790
NY1	Foreman	1.00	10.00 MH	42.000	949								949
NY2	General Labor	2.00	20.00 MH	38.000	1,795								1,795
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769								2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514		1,818	1,320					8,651
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667 Unit/M	0.55		0.18	0.13					0.87
=====> Item Totals: 2020050 - <6' Retained Cut													
\$348,668.29	22.6774 MH/LF	2,267.74	MH	[886.609]	206,743	56,756	37,941	30,008	17,220				348,668
3,486.683	100 LF				2,067.43	567.56	379.41	300.08	172.20				3,486.68

BID ITEM = 2020100 Land Item SCHEDULE: 1 100
Description = 6' to 15' Retained Cut Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10050 Concrete Wall Quan: 111.11 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287
CC1 Concrete - Retaing Wall 13.88 CH Prod: 8.0000 UH Lab Pcs: 10.00 Eqp Pcs: 12.00

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/>										
BID ITEM = 2020100			Land Item	SCHEDULE: 1	100					
Description = 6' to 15' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
2CONC	Concrete - Ready @1	112.00	CY	141.000		17,371				17,371
2REBAR	Rebar@110%	30,000.00	LBS	0.650		21,450				21,450
8CNCPE2	Concrete Place Equip	1.00	13.89 HR	37.692			467	56		524
8CNCPEQ2	Concrete Pumping Eq	1.00	13.89 HR	56.000			695	83		778
8CONC100	Concrete Conveyer (1	1.00	13.89 HR	23.850			174	158		331
8CONWT	Concrete Work Tools	2.00	27.78 HR	4.310			120			120
8CRNG40T	Grove RT640E 40 To	1.00	13.89 HR	110.000			1,111	417		1,528
8FORM1	Concrete Form Set - S	1.00	13.89 HR	5.000			69			69
8FORM2	Form System-with acc	1.00	13.89 HR	39.200			486	58		544
8GEN1000	Generators 1000 KW	1.00	13.89 HR	35.000			278	208		486
8SMTTOOLS	Small Tools	2.00	27.78 HR	10.000			278			278
8TPU	Pickup Truck	1.00	13.89 HR	9.870			47	90		137
CARP-F	Carpenter - Foreman	1.00	13.89 MH	45.500	1,379					1,379
CARP-J	Carpenter - Journeym	3.00	41.67 MH	40.250	3,860					3,860
IRW-LR	Iron Worker - Lather/	3.00	41.67 MH	50.250	4,390					4,390
OP-2	Operator - Medium E	1.00	13.89 MH	43.500	1,344					1,344
OP-CR1	Operator - Crane Med	1.00	13.89 MH	46.300	1,394					1,394
OP-OIL	Equip Oiler	1.00	13.89 MH	43.780	1,349					1,349
\$57,332.71	1.2501 MH/CY	138.9000	MH	[56.328]	13,716	38,821	3,725	1,071		57,333
8.0050	Units/H*	80.0504	Un/Shift	0.7999 Unit/M	123.45	349.39	33.52	9.64		516.00
<hr/>										
10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	7.00		
2SBASE	Sub Base@110%		7.41 CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total	
Resource		Pcs													
BID ITEM = 2020100		Land Item		SCHEDULE: 1		100									
Description = 6' to 15' Retained Cut				Unit = LF		Takeoff Quan:		100.000		Engr Quan:		0.000			
NY2	General Labor	5.00	1.48 MH	38.000		133									133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000		54									54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]		216		114		27		17		374	
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M		29.12		15.40		3.70		2.28		50.51	
10150	Cut, excavate, and remove - soil			Quan: 1,944.44 CY		Hrs/Shft: 10.00		Cal: 510		WC:NYI287					
EX5	Excavator Crew - Medium	32.40	CH	Prod: 60.0000 UH		Lab Pcs:		5.00		Eqp Pcs:		4.00			
4HAUL	Hauling - Sub	1,944.44	CY	15.000								29,167		29,167	
8EX350	CAT 350 3 CY Exca	1.00	32.41 HR	220.400						3,703		3,440		7,143	
8SMTTOOLS	Small Tools	2.00	64.81 HR	10.000						648				648	
8TPU	Pickup Truck	1.00	32.41 HR	9.870						109		211		320	
LAB-A	General Labor - Appr	1.00	32.41 MH	28.430		2,515								2,515	
LAB-F	General Labor - Fore	1.00	32.41 MH	34.000		2,745								2,745	
LAB-J	General Labor - Class	1.00	32.41 MH	33.460		2,722								2,722	
OP-2	Operator - Medium E	1.00	32.41 MH	43.500		3,136								3,136	
OP-OIL	Equip Oiler	1.00	32.41 MH	43.780		3,148								3,148	
\$51,543.80	0.0833 MH/CY	162.0500	MH	[3.053]		14,266				4,460		3,651		29,167	
60.0136	Units/H*	600.1358	Un/Shift	11.9990 Unit/M		7.34				2.29		1.88		15.00	
10200	Cut, excavate, and remove - rock			Quan: 277.78 CY		Hrs/Shft: 10.00		Cal: 510		WC:NYI287					
EX3	Excavate Hard Rock - Ripping	92.59	CH	Prod: 3.0000 UH		Lab Pcs:		10.00		Eqp Pcs:		8.00			
4HAUL	Hauling - Sub	277.78	CY	50.000								13,889		13,889	
8ADDSTM	Addon - Small Tool&	1.00	92.59 HR	2.650						199		46		245	
8D6	CAT D6 Dozer	1.00	92.59 HR	36.120						2,561		783		3,344	
8EX350	CAT 350 3 CY Exca	1.00	92.59 HR	220.400						10,578		9,828		20,407	
8GEN1000	Generators 1000 KW	1.00	92.59 HR	35.000						1,852		1,389		3,241	
8L963C	CAT 963C Track Loa	1.00	92.59 HR	61.680						4,655		1,056		5,711	
8SMTTOOLS	Small Tools	2.00	185.19 HR	10.000						1,852				1,852	
8TPU	Pickup Truck	1.00	92.59 HR	9.870						312		602		914	

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/>										
BID ITEM = 2020100			Land Item	SCHEDULE: 1	100					
Description = 6' to 15' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
LAB-A	General Labor - Appr	2.00	185.19 MH	28.430	14,371					14,371
LAB-F	General Labor - Fore	1.00	92.59 MH	34.000	7,841					7,841
LAB-J	General Labor - Class	3.00	277.78 MH	33.460	23,333					23,333
OP-2	Operator - Medium E	3.00	277.78 MH	43.500	26,880					26,880
OP-OIL	Equip Oiler	1.00	92.59 MH	43.780	8,993					8,993
\$131,020.27	3.3333 MH/CY	925.9300	MH	[121.839]	81,417		22,010	13,704	13,889	131,020
3.0001	Units/H*	30.0011	Un/Shift	0.3000 Unit/M	293.10		79.23	49.33	50.00	471.67
<hr/>										
10250	Soil Anchors			Quan: 300.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>CC2</u>	Soil Stabilize		300.00 CH	Prod: 1.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00				
2SANCHR	Soil Anchor Mater@1		300.00 EA	200.000	66,000					66,000
8AC1300	Air Compressor - 130	1.00	300.00 HR	131.450		14,400	25,035			39,435
8TPU	Pickup Truck	1.00	300.00 HR	9.870		1,011	1,950			2,961
8ZAIRD	Air Track Drill 4"	1.00	300.00 HR	161.050		34,500	13,815			48,315
8ZAIRH	Air Tools- Hose 50'l x	1.00	300.00 HR	0.510		138	15			153
8ZG050	Genset - 50 kW	1.00	300.00 HR	19.700		1,350	4,560			5,910
NY1	Foreman	1.00	300.00 MH	42.000	28,458					28,458
NY2	General Labor	4.00	1,200.00 MH	38.000	107,727					107,727
NY3	Skilled Labor / Operat	8.00	2,400.00 MH	40.000	221,558					221,558
\$520,516.98	13.0000 MH/EA	3,900.0000	MH	[514]	357,743	66,000	51,399	45,375		520,517
1.0000	Units/H*	10.0000	Un/Shift	0.0769 Unit/M	1,192.48	220.00	171.33	151.25		1,735.06
<hr/>										
10300	Drainage Swale - clean fill			Quan: 166.67 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR4</u>	Gradall Crew		6.66 CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 5.00				
2FILL	Fill - Borrow@110%		166.67 CY	10.000	1,833					1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400		1,523	1,415			2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230		204	171			375
8SMTOOLS	Small Tools	2.00	13.33 HR	10.000		133				133
NY1	Foreman	1.00	6.67 MH	42.000	633					633

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 = 2020100

Description = 6' to 15' Retained Cut

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586	8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		11.16	9.51	53.73

10350 Drain Rock **Quan: 14.81 CY** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

GR2	Compact- Large	0.59	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	
2DROCK	Drain Rock@110%	14.81	CY	50.000	815		815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120		16	5
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230		18	15
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440		67	54
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500		19	
8RSW	Steel wheel roller	2.00	1.18 HR	56.260		38	28
8SMTOOLS	Small Tools	2.00	1.18 HR	10.000		12	
8TPU	Pickup Truck	1.00	0.59 HR	9.870		2	4
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000		27	20
NY1	Foreman	1.00	0.59 MH	42.000	56		
NY2	General Labor	8.00	4.74 MH	38.000	426		
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328		
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00	13.43

10400 K-Rail - Guard Rail **Quan: 100.00 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

CC3	Concrete Crew - Small	10.00	CH	Prod: 10.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 6.00	
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000		11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450		480	835
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850		125	114
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310		86	
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000		50	

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/>										
BID ITEM = 2020100		Land Item		SCHEDULE: 1	100					
Description = 6' to 15' Retained Cut		Unit =		LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000	775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00	7.75	10.13		200.97
<hr/>										
10450	Clean Fill under Thruway	Quan: 277.78 CY		Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
<u>LD1</u>	Load, Fill, Cut	11.11	CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%	277.78	CY	10.000	3,056					3,056
8EXM322D	CAT M322D 1.5 CY	1.00	11.11 HR	101.430			679	448		1,127
8L938	CAT 938H Wheel loa	2.00	22.22 HR	56.230			681	569		1,249
8SMTTOOLS	Small Tools	2.00	22.22 HR	10.000			222			222
8TPU	Pickup Truck	1.00	11.11 HR	9.870			37	72		110
NY1	Foreman	1.00	11.11 MH	42.000	1,054					1,054
NY2	General Labor	2.00	22.22 MH	38.000	1,995					1,995
NY3	Skilled Labor / Operat	3.00	33.33 MH	40.000	3,077					3,077
\$11,889.26	0.2399 MH/CY	66.6600	MH	[9.519]	6,126	3,056	1,619	1,089		11,889
25.0027	Units/H*	250.0270	Un/Shift	4.1671 Unit/M	22.05	11.00	5.83	3.92		42.80
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10500	Gade and Compact	Quan: 10,000.00 SF		Hrs/Shift: 10.00	Cal: 510	WC:NYI287				
<u>GR1</u>	Grading - Grader	10.00	CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	20.00 HR	102.440			1,134	915		2,049
8SMTTOOLS	Small Tools	2.00	20.00 HR	10.000			200			200
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
8TWT5	Water Truck - 5,000	1.00	10.00 HR	79.000			450	340		790
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	2.00	20.00 MH	38.000	1,795					1,795
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769

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/>										
BID ITEM = 2020100		Land Item	SCHEDULE: 1	100						
Description = 6' to 15' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514		1,818	1,320		8,651
1,000.0000 Units/H*	10,000.0000 Un/Shift	166.6667	Unit/M		0.55		0.18	0.13		0.87
<hr/>										
=====> Item Totals:	2020100 - 6' to 15' Retained Cut									
\$812,329.38	53.8479 MH/LF	5,384.79	MH	[2104.299]	490,791	121,639	87,892	68,952	43,056	812,329
8,123.294	100 LF				4,907.91	1,216.39	878.92	689.52	430.56	8,123.29
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BID ITEM = 2020200 Land Item SCHEDULE: 1 100
Description = 16' to 25' Retained Cut Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10050	Concrete Wall		Quan: 222.22 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC1</u>	Concrete - Retaing Wall	27.77	CH	Prod: 8.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00				
2CONC	Concrete - Ready @1	222.22	CY	141.000	34,466					34,466
2REBAR	Rebar@110%	56,000.00	LBS	0.650	40,040					40,040
8CNCPE2	Concrete Place Equip	1.00	27.78 HR	37.692		935	112			1,047
8CNCPEQ2	Concrete Pumping Eq	1.00	27.78 HR	56.000		1,389	167			1,556
8CONC100	Concrete Conveyer (1	1.00	27.78 HR	23.850		347	315			663
8CONWT	Concrete Work Tools	2.00	55.56 HR	4.310		239				239
8CRNG40T	Grove RT640E 40 To	1.00	27.78 HR	110.000		2,222	833			3,056
8FORM1	Concrete Form Set - S	1.00	27.78 HR	5.000		139				139
8FORM2	Form System-with acc	1.00	27.78 HR	39.200		972	117			1,089
8GEN1000	Generators 1000 KW	1.00	27.78 HR	35.000		556	417			972
8SMTTOOLS	Small Tools	2.00	55.56 HR	10.000		556				556
8TPU	Pickup Truck	1.00	27.78 HR	9.870		94	181			274
CARP-F	Carpenter - Foreman	1.00	27.78 MH	45.500	2,759					2,759
CARP-J	Carpenter - Journeym	3.00	83.33 MH	40.250	7,719					7,719
IRW-LR	Iron Worker - Lather/	3.00	83.33 MH	50.250	8,779					8,779

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 = 2020200

Description = 16' to 25' Retained Cut

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

OP-2	Operator - Medium E	1.00	27.78 MH	43.500	2,688					2,688
OP-CR1	Operator - Crane Med	1.00	27.78 MH	46.300	2,787					2,787
OP-OIL	Equip Oiler	1.00	27.78 MH	43.780	2,698					2,698
\$111,527.40	1.2500 MH/CY	277.7800	MH	[56.323]	27,431	74,506		7,449	2,142	111,527
8.0022	Units/H*	80.0216	Un/Shift	0.8000 Unit/M	123.44	335.28		33.52	9.64	501.88

10100 Compacted Subbase Quan: 7.41 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>GR3</u>	Compact - Small	0.29	CH	Prod: 25.0000 UH	Lab Pcs: 114	8.00	Eqp Pcs: 7.00			
2SBASE	Sub Base@110%	7.41	CY	14.000						114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114		27	17	374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40		3.70	2.28	50.51

10150 Cut, excavate, and remove - soil Quan: 3,888.89 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>EX5</u>	Excavator Crew - Medium	64.81	CH	Prod: 60.0000 UH	Lab Pcs: 5.00	5.00	Eqp Pcs: 4.00			
4HAUL	Hauling - Sub	3,888.89	CY	15.000					58,333	58,333
8EX350	CAT 350 3 CY Exca	1.00	64.81 HR	220.400			7,405	6,880		14,284
8SMTTOOLS	Small Tools	2.00	129.63 HR	10.000			1,296			1,296
8TPU	Pickup Truck	1.00	64.81 HR	9.870			218	421		640
LAB-A	General Labor - Appr	1.00	64.81 MH	28.430	5,029					5,029
LAB-F	General Labor - Fore	1.00	64.81 MH	34.000	5,488					5,488
LAB-J	General Labor - Class	1.00	64.81 MH	33.460	5,444					5,444
OP-2	Operator - Medium E	1.00	64.81 MH	43.500	6,272					6,272

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 = 2020200

Description = 16' to 25' Retained Cut

Land Item SCHEDULE: 1
Unit = LF

100
Takeoff Quan: 100.000 Engr Quan: 0.000

OP-OIL	Equip Oiler	1.00	64.81 MH	43.780	6,295					6,295
\$103,081.14	0.0833 MH/CY	324.0500	MH	[3.053]	28,528		8,919	7,301	58,333	103,081
60.0045	Units/H*	600.0447	Un/Shift	12.0009 Unit/M	7.34		2.29	1.88	15.00	26.51

10200 Cut, excavate, and remove - rock Quan: 555.56 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

EX3	Excavate Hard Rock - Ripping	185.18	CH	Prod: 3.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00			
4HAUL	Hauling - Sub	555.56	CY	50.000				27,778	27,778
8ADDSTM	Addon - Small Tool&	1.00	185.19 HR	2.650		398	93		491
8D6	CAT D6 Dozer	1.00	185.19 HR	36.120		5,122	1,567		6,689
8EX350	CAT 350 3 CY Exca	1.00	185.19 HR	220.400		21,158	19,658		40,816
8GEN1000	Generators 1000 KW	1.00	185.19 HR	35.000		3,704	2,778		6,482
8L963C	CAT 963C Track Loa	1.00	185.19 HR	61.680		9,311	2,111		11,423
8SMTOOLS	Small Tools	2.00	370.37 HR	10.000		3,704			3,704
8TPU	Pickup Truck	1.00	185.19 HR	9.870		624	1,204		1,828
LAB-A	General Labor - Appr	2.00	370.37 MH	28.430	28,741				28,741
LAB-F	General Labor - Fore	1.00	185.19 MH	34.000	15,683				15,683
LAB-J	General Labor - Class	3.00	555.56 MH	33.460	46,666				46,666
OP-2	Operator - Medium E	3.00	555.56 MH	43.500	53,760				53,760
OP-OIL	Equip Oiler	1.00	185.19 MH	43.780	17,986				17,986
\$262,045.21	3.3333 MH/CY	1,851.8700	MH	[121.84]	162,836	44,021	27,410	27,778	262,045
3.0001	Units/H*	30.0011	Un/Shift	0.3000 Unit/M	293.10	79.24	49.34	50.00	471.68

10250 Soil Anchors Quan: 600.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

CC2	Soil Stabilize	600.00	CH	Prod: 1.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00			
2SANCHR	Soil Anchor Mater@1	600.00	EA	200.000	132,000				132,000
8AC1300	Air Compressor - 130	1.00	600.00 HR	131.450		28,800	50,070		78,870
8TPU	Pickup Truck	1.00	600.00 HR	9.870		2,022	3,900		5,922
8ZAIRD	Air Track Drill 4"	1.00	600.00 HR	161.050		69,000	27,630		96,630
8ZAIRH	Air Tools- Hose 50'1 x	1.00	600.00 HR	0.510		276	30		306

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 = 2020200

Description = 16' to 25' Retained Cut

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

8ZG050	Genset - 50 kW	1.00	600.00 HR	19.700				2,700	9,120	11,820
NY1	Foreman	1.00	600.00 MH	42.000	56,916					56,916
NY2	General Labor	4.00	2,400.00 MH	38.000	215,453					215,453
NY3	Skilled Labor / Operat	8.00	4,800.00 MH	40.000	443,117					443,117
\$1,041,033.96	13.0000 MH/EA	7,800.0000	MH	[514]	715,486	132,000		102,798	90,750	1,041,034
1.0000	Units/H*	10.0000	Un/Shift	0.0769 Unit/M	1,192.48	220.00		171.33	151.25	1,735.06

10300 Drainage Swale - clean fill

Quan: 166.67 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

GR4	Gradall Crew	6.66	CH	Prod: 25.0000 UH	Lab Pcs: 6.00		Eqp Pcs: 5.00			
2FILL	Fill - Borrow@110%	166.67	CY	10.000	1,833					1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400			1,523	1,415		2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230			204	171		375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000			133			133
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586	8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		11.16	9.51	53.73

10350 Drain Rock

Quan: 14.81 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	0.59	CH	Prod: 25.0000 UH	Lab Pcs: 15.00		Eqp Pcs: 11.00			
2DROCK	Drain Rock@110%	14.81	CY	50.000	815					815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120			16	5		21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230			18	15		33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440			67	54		121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500			19			19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260			38	28		66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000			12			12
8TPU	Pickup Truck	1.00	0.59 HR	9.870			2	4		6

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/>										
BID ITEM = 2020200		Land Item		SCHEDULE: 1	100					
Description = 16' to 25' Retained Cut		Unit =		LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000			27	20		47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00	13.43	8.52		131.59
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10400	K-Rail - Guard Rail	Quan: 100.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC3</u>	Concrete Crew - Small	10.00	CH	Prod: 10.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	6.00		
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450			480	835		1,315
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850			125	114		239
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310			86			86
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000			50			50
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000	775	1,013		20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00	7.75	10.13		200.97
<hr/>										
10450	Clean Fill under Thruway	Quan: 555.56 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LD1</u>	Load, Fill, Cut	22.22	CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%	555.56	CY	10.000	6,111					6,111
8EXM322D	CAT M322D 1.5 CY	1.00	22.22 HR	101.430			1,358	895		2,254
8L938	CAT 938H Wheel loa	2.00	44.44 HR	56.230			1,361	1,138		2,499
8SMTTOOLS	Small Tools	2.00	44.44 HR	10.000			444			444
8TPU	Pickup Truck	1.00	22.22 HR	9.870			75	144		219
NY1	Foreman	1.00	22.22 MH	42.000	2,108					2,108

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Operatio	Sub-	Contract	Total
Resource	Pcs														
<hr/>															
BID ITEM = 2020200															
Description = 16' to 25' Retained Cut															
Land Item SCHEDULE: 1 100															
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000															
NY2	General Labor	2.00	44.44	MH	38.000	3,989									3,989
NY3	Skilled Labor / Operat	3.00	66.67	MH	40.000	6,155									6,155
\$23,779.45	0.2399 MH/CY	133.33	300	MH	[9.52]	12,252	6,111			3,239	2,178				23,779
25.0027	Units/H*	250.0270	Un/Shift	4.1668	Unit/M	22.05	11.00			5.83	3.92				42.80
<hr/>															
10500	Gade and Compact				Quan: 10,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287						
<u>GR1</u>	Grading - Grader		10.00	CH	Prod: 1,000.0000	UH	Lab Pcs:	6.00	Eqp Pcs:	6.00					
8MG16H	Cat 16H Motorgrader	2.00	20.00	HR	102.440				1,134	915					2,049
8SMTTOOLS	Small Tools	2.00	20.00	HR	10.000				200						200
8TPU	Pickup Truck	1.00	10.00	HR	9.870				34	65					99
8TWT5	Water Truck - 5,000	1.00	10.00	HR	79.000				450	340					790
NY1	Foreman	1.00	10.00	MH	42.000	949									949
NY2	General Labor	2.00	20.00	MH	38.000	1,795									1,795
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000	2,769									2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514				1,818	1,320					8,651
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55			0.18	0.13					0.87
<hr/>															
=====> Item Totals: 2020200 - 16' to 25' Retained Cut															
\$1,581,493.52	105.7828	MH/LF	10,578.28	MH	[4133.118]	964,055	226,380		171,106	133,842	86,111				1,581,494
15,814.935	100	LF				9,640.55	2,263.80		1,711.06	1,338.42	861.11				15,814.94

BID ITEM = 2020300		Land Item	SCHEDULE: 1	100			
Description = > 25' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000
10050	Concrete Wall		Quan: 333.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287	
<u>CC1</u>	Concrete - Retaing Wall	41.62	CH	Prod: 8.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 12.00	
2CONC	Concrete - Ready @ 1	333.00 CY		141.000	51,648		51,648

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/>										
BID ITEM = 2020300			Land Item	SCHEDULE: 1	100					
Description = > 25' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
2REBAR	Rebar@110%	85,000.00	LBS	0.650	60,775					60,775
8CNCPE2	Concrete Place Equip	1.00	41.63 HR	37.692			1,401	168		1,569
8CNCPEQ2	Concrete Pumping Eq	1.00	41.63 HR	56.000			2,082	250		2,331
8CONC100	Concrete Conveyer (1	1.00	41.63 HR	23.850			520	473		993
8CONWT	Concrete Work Tools	2.00	83.25 HR	4.310			359			359
8CRNG40T	Grove RT640E 40 To	1.00	41.63 HR	110.000			3,330	1,249		4,579
8FORM1	Concrete Form Set - S	1.00	41.63 HR	5.000			208			208
8FORM2	Form System-with acc	1.00	41.63 HR	39.200			1,457	175		1,632
8GEN1000	Generators 1000 KW	1.00	41.63 HR	35.000			833	624		1,457
8SMTTOOLS	Small Tools	2.00	83.25 HR	10.000			833			833
8TPU	Pickup Truck	1.00	41.63 HR	9.870			140	271		411
CARP-F	Carpenter - Foreman	1.00	41.63 MH	45.500	4,134					4,134
CARP-J	Carpenter - Journeym	3.00	124.88 MH	40.250	11,568					11,568
IRW-LR	Iron Worker - Lather/	3.00	124.88 MH	50.250	13,156					13,156
OP-2	Operator - Medium E	1.00	41.63 MH	43.500	4,028					4,028
OP-CR1	Operator - Crane Med	1.00	41.63 MH	46.300	4,177					4,177
OP-OIL	Equip Oiler	1.00	41.63 MH	43.780	4,043					4,043
\$167,902.52	1.2500 MH/CY	416.2800	MH	[56.327]	41,107	112,423	11,163	3,209		167,903
8.0010	Units/H*	80.0096	Un/Shift	0.7999 Unit/M	123.45	337.61	33.52	9.64		504.21
10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR3</u>	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	7.00		
2SBASE	Sub Base@110%	7.41	CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133

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/>										
BID ITEM = 2020300		Land Item		SCHEDULE: 1	100					
Description = > 25' Retained Cut		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114	27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40	3.70	2.28		50.51
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10150	Cut, excavate, and remove - soil	Quan: 5,833.33 CY		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>EX5</u>	Excavator Crew - Medium	97.22	CH	Prod: 60.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 4.00				
4HAUL	Hauling - Sub	5,833.33	CY	15.000					87,500	87,500
8EX350	CAT 350 3 CY Exca	1.00	97.22 HR	220.400			11,107	10,320		21,427
8SMTTOOLS	Small Tools	2.00	194.44 HR	10.000			1,944			1,944
8TPU	Pickup Truck	1.00	97.22 HR	9.870			328	632		960
LAB-A	General Labor - Appr	1.00	97.22 MH	28.430	7,544					7,544
LAB-F	General Labor - Fore	1.00	97.22 MH	34.000	8,233					8,233
LAB-J	General Labor - Class	1.00	97.22 MH	33.460	8,166					8,166
OP-2	Operator - Medium E	1.00	97.22 MH	43.500	9,408					9,408
OP-OIL	Equip Oiler	1.00	97.22 MH	43.780	9,442					9,442
\$154,624.91	0.0833 MH/CY	486.1000	MH	[3.053]	42,794		13,379	10,952	87,500	154,625
60.0013	Units/H*	600.0134	Un/Shift	12.0003 Unit/M	7.34		2.29	1.88	15.00	26.51
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10200	Cut, excavate, and remove - rock	Quan: 833.33 CY		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>EX3</u>	Excavate Hard Rock - Ripping	277.77	CH	Prod: 3.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
4HAUL	Hauling - Sub	833.33	CY	50.000					41,667	41,667
8ADDSTM	Addon - Small Tool&	1.00	277.78 HR	2.650			597	139		736
8D6	CAT D6 Dozer	1.00	277.78 HR	36.120			7,683	2,350		10,033
8EX350	CAT 350 3 CY Exca	1.00	277.78 HR	220.400			31,736	29,486		61,223
8GEN1000	Generators 1000 KW	1.00	277.78 HR	35.000			5,556	4,167		9,722
8L963C	CAT 963C Track Loa	1.00	277.78 HR	61.680			13,967	3,167		17,133
8SMTTOOLS	Small Tools	2.00	555.55 HR	10.000			5,556			5,556
8TPU	Pickup Truck	1.00	277.78 HR	9.870			936	1,806		2,742
LAB-A	General Labor - Appr	2.00	555.55 MH	28.430	43,111					43,111

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/>										
BID ITEM = 2020300		Land Item		SCHEDULE: 1	100					
Description = > 25' Retained Cut		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			
LAB-F	General Labor - Fore	1.00	277.78 MH	34.000	23,524					23,524
LAB-J	General Labor - Class	3.00	833.33 MH	33.460	69,998					69,998
OP-2	Operator - Medium E	3.00	833.33 MH	43.500	80,639					80,639
OP-OIL	Equip Oiler	1.00	277.78 MH	43.780	26,979					26,979
\$393,062.39	3.3333 MH/CY	2,777.7700	MH	[121.84]	244,251		66,031	41,114	41,667	393,062
3.0001	Units/H*	30.0007	Un/Shift	0.3000 Unit/M	293.10		79.24	49.34	50.00	471.68
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10250	Soil Anchors	Quan: 900.00 EA		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC2</u>	Soil Stabilize	900.00	CH	Prod: 1.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 5.00				
2SANCHR	Soil Anchor Mater@1	900.00	EA	200.000	198,000					198,000
8AC1300	Air Compressor - 130	1.00	900.00 HR	131.450		43,200	75,105			118,305
8TPU	Pickup Truck	1.00	900.00 HR	9.870		3,033	5,850			8,883
8ZAIRD	Air Track Drill 4"	1.00	900.00 HR	161.050		103,500	41,445			144,945
8ZAIRH	Air Tools- Hose 50'l x	1.00	900.00 HR	0.510		414	45			459
8ZG050	Genset - 50 kW	1.00	900.00 HR	19.700		4,050	13,680			17,730
NY1	Foreman	1.00	900.00 MH	42.000	85,374					85,374
NY2	General Labor	4.00	3,600.00 MH	38.000	323,180					323,180
NY3	Skilled Labor / Operat	8.00	7,200.00 MH	40.000	664,675					664,675
\$1,561,550.94	13.0000 MH/EA	11,700.0000	MH	[514]	1,073,229	198,000	154,197	136,125		1,561,551
1.0000	Units/H*	10.0000	Un/Shift	0.0769 Unit/M	1,192.48	220.00	171.33	151.25		1,735.06
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10300	Drainage Swale - clean fill	Quan: 166.67 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR4</u>	Gradall Crew	6.66	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 5.00				
2FILL	Fill - Borrow@110%	166.67	CY	10.000	1,833					1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400		1,523	1,415			2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230		204	171			375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000		133				133
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197

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 = 2020300

Description = > 25' Retained Cut

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586	8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		11.16	9.51	53.73

10350 Drain Rock **Quan: 14.81 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

GR2	Compact- Large	0.59 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	
2DROCK	Drain Rock@110%	14.81 CY	50.000	815		815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120	16	5
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230	18	15
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440	67	54
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500	19	
8RSW	Steel wheel roller	2.00	1.18 HR	56.260	38	28
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000	12	
8TPU	Pickup Truck	1.00	0.59 HR	9.870	2	4
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000	27	20
NY1	Foreman	1.00	0.59 MH	42.000	56	
NY2	General Labor	8.00	4.74 MH	38.000	426	
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328	
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00
					199	126
					13.43	8.52

10400 K-Rail - Guard Rail **Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

CC3	Concrete Crew - Small	10.00 CH	Prod: 10.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 6.00	
2KRAIL	KRail - Jersey Ba@11	100.00 LF	100.000	11,000		11,000
8AC1300	Air Compressor - 130	1.00	10.00 HR	131.450	480	835
8CONC100	Concrete Conveyer (1	1.00	10.00 HR	23.850	125	114
8CONWT	Concrete Work Tools	2.00	20.00 HR	4.310	86	
8FORM1	Concrete Form Set - S	1.00	10.00 HR	5.000	50	
8TPU	Pickup Truck	1.00	10.00 HR	9.870	34	65

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/>										
BID ITEM = 2020300			Land Item	SCHEDULE: 1	100					
Description = > 25' Retained Cut			Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$20,096.87	0.8000 MH/LF	80.0000	MH	[31.4]	7,309	11,000		775	1,013	20,097
10.0000	Units/H*	100.0000	Un/Shift	1.2500 Unit/M	73.09	110.00		7.75	10.13	200.97
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10450	Clean Fill under Thruway			Quan: 833.33 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>LD1</u>	Load, Fill, Cut	33.33	CH	Prod: 25.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
2FILL	Fill - Borrow@110%	833.33	CY	10.000	9,167					9,167
8EXM322D	CAT M322D 1.5 CY	1.00	33.33 HR	101.430			2,037	1,343		3,381
8L938	CAT 938H Wheel loa	2.00	66.67 HR	56.230			2,042	1,707		3,749
8SMTTOOLS	Small Tools	2.00	66.67 HR	10.000			667			667
8TPU	Pickup Truck	1.00	33.33 HR	9.870			112	217		329
NY1	Foreman	1.00	33.33 MH	42.000	3,162					3,162
NY2	General Labor	2.00	66.67 MH	38.000	5,985					5,985
NY3	Skilled Labor / Operat	3.00	100.00 MH	40.000	9,232					9,232
\$35,670.17	0.2400 MH/CY	200.0000	MH	[9.52]	18,378	9,167		4,859	3,267	35,670
25.0024	Units/H*	250.0240	Un/Shift	4.1667 Unit/M	22.05	11.00		5.83	3.92	42.80
<hr/>										
10500	Gade and Compact			Quan: 10,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>GR1</u>	Grading - Grader	10.00	CH	Prod: 1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	20.00 HR	102.440			1,134	915		2,049
8SMTTOOLS	Small Tools	2.00	20.00 HR	10.000			200			200
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
8TWT5	Water Truck - 5,000	1.00	10.00 HR	79.000			450	340		790
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	2.00	20.00 MH	38.000	1,795					1,795
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000	2,769					2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514		1,818	1,320		8,651

DIRECT COST REPORT

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

Total of Above Sub-Biditems

<hr/>										
=====> Item Totals: 2020000 - Retained Cut										
\$5,095,328.48	MH/LF	34,002.21	MH	[]	3,098,872	738,126	551,246	431,530	275,553	5,095,328
0.000	0 LF									
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PARENT ITEM 2030000

Description = Fill Side Slope Unit = LF Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 2030000:

BID ITEM = 2030100 Land Item SCHEDULE: 1 100
Description = Fill Side Slope Grade 6 to 1 Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

10150 Clean fill **Quan: 166.67 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**
LD1 Load, Fill, Cut 6.66 CH **Prod: 25.0000 UH** Lab Pcs: 6.00 Eqp Pcs: 6.00

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme Contract	Total
<hr/>										
BID ITEM = 2030100			Land Item	SCHEDULE: 1	100					
Description = Fill Side Slope Grade 6 to 1			Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000		
2FILL	Fill - Borrow@110%		166.67 CY	10.000		1,833				1,833
8EXM322D	CAT M322D 1.5 CY	1.00	6.67 HR	101.430				408	269	677
8L938	CAT 938H Wheel loa	2.00	13.33 HR	56.230				408	341	750
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000				133		133
8TPU	Pickup Truck	1.00	6.67 HR	9.870				22	43	66
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$7,134.25	0.2399 MH/CY		40.0000 MH	[9.52]	3,676	1,833		972	653	7,134
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00		5.83	3.92	42.80
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10200	Drain Rock		Quan: 14.81 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large		0.59 CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2DROCK	Drain Rock@110%		14.81 CY	50.000	815					815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120				16	5	21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230				18	15	33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440				67	54	121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500				19		19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260				38	28	66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000				12		12
8TPU	Pickup Truck	1.00	0.59 HR	9.870				2	4	6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000				27	20	47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY		8.8800 MH	[23.423]	809	815		199	126	1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678 Unit/M	54.64	55.00		13.43	8.52	131.59

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 = 2030100			Land Item	SCHEDULE: 1	100					
Description = Fill Side Slope Grade 6 to 1				Unit = SF	Takeoff Quan:	10,000.000	Engr Quan:		0.000	
10250	Guard Rail			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
PL1	Place - Install Material	3.33	CH	Prod: 30.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000					11,000
8CRBMTRK	Boom Truck 20 ton	1.00	3.33 HR	102.630			221	121		342
8LFORK	Fork Lift	1.00	3.33 HR	43.060			100	43		143
8LIFTS32	Scissor Lift 32'	1.00	3.33 HR	29.700			49	49		99
8SMTTOOLS	Small Tools	4.00	13.33 HR	10.000			133			133
8TPU	Pickup Truck	1.00	3.33 HR	9.870			11	22		33
8ZG050	Genset - 50 kW	1.00	3.33 HR	19.700			15	51		66
8ZTE	Power Tools - Electri	1.00	3.33 HR	10.000			33			33
NY1	Foreman	1.00	3.33 MH	42.000	316					316
NY2	General Labor	4.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	5.00	16.67 MH	40.000	1,539					1,539
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286		14,901
30.0300	Units/H*	300.3003	Un/Shift	3.0003 Unit/M	30.51	110.00	5.63	2.86		149.01
10300	Clean Fill under Thruway			Quan: 740.74 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
LD1	Load, Fill, Cut	29.62	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00				
2FILL	Fill - Borrow@110%	740.74	CY	10.000	8,148					8,148
8EXM322D	CAT M322D 1.5 CY	1.00	29.63 HR	101.430			1,811	1,194		3,005
8L938	CAT 938H Wheel loa	2.00	59.26 HR	56.230			1,815	1,517		3,332
8SMTTOOLS	Small Tools	2.00	59.26 HR	10.000			593			593
8TPU	Pickup Truck	1.00	29.63 HR	9.870			100	193		292
NY1	Foreman	1.00	29.63 MH	42.000	2,811					2,811
NY2	General Labor	2.00	59.26 MH	38.000	5,320					5,320
NY3	Skilled Labor / Operat	3.00	88.89 MH	40.000	8,206					8,206
\$31,707.29	0.2400 MH/CY	177.7800	MH	[9.52]	16,337	8,148	4,319	2,904		31,707
25.0081	Units/H*	250.0810	Un/Shift	4.1666 Unit/M	22.05	11.00	5.83	3.92		42.80

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 = 2030100			Land Item	SCHEDULE: 1	100					
Description = Fill Side Slope Grade 6 to 1				Unit = SF	Takeoff Quan:	10,000.000	Engr Quan:		0.000	
10350	Gade and Compact			Quan: 10,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
GR1	Grading - Grader		10.00	CH	Prod: 1,000.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00			
8MG16H	Cat 16H Motorgrader	2.00	20.00	HR	102.440		1,134	915		2,049
8SMTTOOLS	Small Tools	2.00	20.00	HR	10.000		200			200
8TPU	Pickup Truck	1.00	10.00	HR	9.870		34	65		99
8TWT5	Water Truck - 5,000	1.00	10.00	HR	79.000		450	340		790
NY1	Foreman	1.00	10.00	MH	42.000	949				949
NY2	General Labor	2.00	20.00	MH	38.000	1,795				1,795
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000	2,769				2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514		1,818	1,320		8,651
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55	0.18	0.13		0.87
10400	Seed and Landscape			Quan: 3,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
LSC1	Landscape Crew - medium		12.00	CH	Prod: 250.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00			
2LAND	Landscape@110%		3,000.00	SF	2.000	6,600				6,600
8EXBC753M	Bobcat 753 no attach	1.00	12.00	HR	10.920		131			131
8EXBCATT	Bobcat Attachments	1.00	12.00	HR	4.540		54			54
8EXGRDALL	Gradall 3 CY	1.00	12.00	HR	220.400		1,371	1,274		2,645
8HYDMLC	Hydro Mulcher	1.00	12.00	HR	60.000		720			720
8SMTTOOLS	Small Tools	4.00	48.00	HR	10.000		480			480
8TPU	Pickup Truck	1.00	12.00	HR	9.870		40	78		118
8TWT3	Water Truck - 3,000	1.00	12.00	HR	74.470		516	378		894
NY1	Foreman	1.00	12.00	MH	42.000	1,138				1,138
NY2	General Labor	8.00	96.00	MH	38.000	8,618				8,618
NY3	Skilled Labor / Operat	4.00	48.00	MH	40.000	4,431				4,431
\$25,830.02	0.0520 MH/SF	156.0000	MH	[2.024]	14,188	6,600	3,313	1,730		25,830
250.0000	Units/H*	2,500.0000	Un/Shift	19.2308	Unit/M	4.73	2.20	1.10	0.58	8.61

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 = 2030100

Description = Fill Side Slope Grade 6 to 1

Land Item SCHEDULE: 1
Unit = SF Takeoff Quan: 100

=====> **Item Totals: 2030100 - Fill Side Slope Grade 6 to 1**

\$90,171.99	0.0475 MH/SF	475.99 MH	[1.875]	43,574	28,396	11,183	7,019	90,172
9.017	10000 SF			4.36	2.84	1.12	0.70	9.02

Total of Above Sub-Biditems

=====> **Item Totals: 2030000 - Fill Side Slope**

\$90,171.99	MH/LF	475.99 MH	[]	43,574	28,396	11,183	7,019	90,172
0.000	0 LF							

PARENT ITEM 2040000

Description = Cut Side Slope

Unit = LF Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 2040000:

BID ITEM = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1
Unit = SF Takeoff Quan: 100

10050	Cut, excavate, and remove - soil	Quan: 1,296.30 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
EX5	Excavator Crew - Medium	21.60 CH	Prod: 60.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 4.00
4HAUL	Hauling - Sub	1,296.30 CY	15.000		19,445 19,445
8EX350	CAT 350 3 CY Exca	1.00 21.61 HR	220.400		2,469 2,294 4,763

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 = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

8SMTTOOLS	Small Tools	2.00	43.21 HR	10.000			432			432
8TPU	Pickup Truck	1.00	21.61 HR	9.870			73	140		213
LAB-A	General Labor - Appr	1.00	21.61 MH	28.430	1,677					1,677
LAB-F	General Labor - Fore	1.00	21.61 MH	34.000	1,830					1,830
LAB-J	General Labor - Class	1.00	21.61 MH	33.460	1,815					1,815
OP-2	Operator - Medium E	1.00	21.61 MH	43.500	2,091					2,091
OP-OIL	Equip Oiler	1.00	21.61 MH	43.780	2,099					2,099
\$34,364.90	0.0833 MH/CY	108.0500	MH	[3.054]	9,512		2,974	2,434	19,445	34,365
60.0139	Units/H*	600.1389	Un/Shift	11.9972 Unit/M	7.34		2.29	1.88	15.00	26.51

10100 Cut, excavate, and remove - rock

Quan: 185.19 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>EX3</u>	Excavate Hard Rock - Ripping		18.51 CH	Prod: 10.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
4HAUL	Hauling - Sub	185.19	CY	50.000					9,260	9,260
8ADDSTM	Addon - Small Tool&	1.00	18.52 HR	2.650			40	9		49
8D6	CAT D6 Dozer	1.00	18.52 HR	36.120			512	157		669
8EX350	CAT 350 3 CY Exca	1.00	18.52 HR	220.400			2,116	1,966		4,082
8GEN1000	Generators 1000 KW	1.00	18.52 HR	35.000			370	278		648
8L963C	CAT 963C Track Loa	1.00	18.52 HR	61.680			931	211		1,142
8SMTTOOLS	Small Tools	2.00	37.04 HR	10.000			370			370
8TPU	Pickup Truck	1.00	18.52 HR	9.870			62	120		183
LAB-A	General Labor - Appr	2.00	37.04 MH	28.430	2,874					2,874
LAB-F	General Labor - Fore	1.00	18.52 MH	34.000	1,568					1,568
LAB-J	General Labor - Class	3.00	55.56 MH	33.460	4,667					4,667
OP-2	Operator - Medium E	3.00	55.56 MH	43.500	5,376					5,376
OP-OIL	Equip Oiler	1.00	18.52 MH	43.780	1,799					1,799
\$32,687.76	1.0000 MH/CY	185.2000	MH	[36.554]	16,285		4,402	2,741	9,260	32,688
10.0049	Units/H*	100.0486	Un/Shift	0.9999 Unit/M	87.94		23.77	14.80	50.00	176.51

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 = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

10150	Clean fill	Quan: 166.67 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LD1</u>	Load, Fill, Cut	6.66	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00				
2FILL	Fill - Borrow@110%	166.67	CY	10.000	1,833					1,833
8EXM322D	CAT M322D 1.5 CY	1.00	6.67 HR	101.430		408	269			677
8L938	CAT 938H Wheel loa	2.00	13.33 HR	56.230		408	341			750
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000		133				133
8TPU	Pickup Truck	1.00	6.67 HR	9.870		22	43			66
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	2.00	13.33 MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846					1,846
\$7,134.25	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833	972	653		7,134
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00	5.83	3.92		42.80

10200	Drain Rock	Quan: 14.81 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	0.59	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2DROCK	Drain Rock@110%	14.81	CY	50.000	815					815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120		16	5			21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230		18	15			33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440		67	54			121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500		19				19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260		38	28			66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000		12				12
8TPU	Pickup Truck	1.00	0.59 HR	9.870		2	4			6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000		27	20			47
NY1	Foreman	1.00	0.59 MH	42.000	56					56
NY2	General Labor	8.00	4.74 MH	38.000	426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199	126		1,949

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 = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

25.1017	Units/H*	251.0169	Un/Shift	1.6678	Unit/M	54.64	55.00	13.43	8.52	131.59
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10250 Guard Rail Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

PL1	Place - Install Material	3.33	CH	Prod: 30.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2KRAIL	KRail - Jersey Ba@11	100.00	LF	100.000	11,000				11,000	
8CRBMTRK	Boom Truck 20 ton	1.00	3.33	HR	102.630		221	121	342	
8LFORK	Fork Lift	1.00	3.33	HR	43.060		100	43	143	
8LIFTS32	Scissor Lift 32'	1.00	3.33	HR	29.700		49	49	99	
8SMTOOLS	Small Tools	4.00	13.33	HR	10.000		133		133	
8TPU	Pickup Truck	1.00	3.33	HR	9.870		11	22	33	
8ZG050	Genset - 50 kW	1.00	3.33	HR	19.700		15	51	66	
8ZTE	Power Tools - Electri	1.00	3.33	HR	10.000		33		33	
NY1	Foreman	1.00	3.33	MH	42.000	316			316	
NY2	General Labor	4.00	13.33	MH	38.000	1,197			1,197	
NY3	Skilled Labor / Operat	5.00	16.67	MH	40.000	1,539			1,539	
\$14,900.54	0.3333 MH/LF	33.3300	MH	[13.132]	3,051	11,000	563	286	14,901	
30.0300	Units/H*	300.3003	Un/Shift	3.0003	Unit/M	30.51	110.00	5.63	2.86	149.01

10300 Clean Fill under Thruway Quan: 740.74 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

LD1	Load, Fill, Cut	29.62	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00			
2FILL	Fill - Borrow@110%	740.74	CY	10.000	8,148				8,148
8EXM322D	CAT M322D 1.5 CY	1.00	29.63	HR	101.430		1,811	1,194	3,005
8L938	CAT 938H Wheel loa	2.00	59.26	HR	56.230		1,815	1,517	3,332
8SMTOOLS	Small Tools	2.00	59.26	HR	10.000		593		593
8TPU	Pickup Truck	1.00	29.63	HR	9.870		100	193	292
NY1	Foreman	1.00	29.63	MH	42.000	2,811			2,811
NY2	General Labor	2.00	59.26	MH	38.000	5,320			5,320
NY3	Skilled Labor / Operat	3.00	88.89	MH	40.000	8,206			8,206
\$31,707.29	0.2400 MH/CY	177.7800	MH	[9.52]	16,337	8,148	4,319	2,904	31,707

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 = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

25.0081	Units/H*	250.0810	Un/Shift	4.1666	Unit/M	22.05	11.00	5.83	3.92	42.80
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10350 Grade and Compact **Quan: 10,000.00 SF** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

<u>GR1</u>	Grading - Grader	10.00	CH	Prod: 1,000.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00				
8MG16H	Cat 16H Motorgrader	2.00	20.00	HR	102.440		1,134	915		2,049
8SMTTOOLS	Small Tools	2.00	20.00	HR	10.000		200			200
8TPU	Pickup Truck	1.00	10.00	HR	9.870		34	65		99
8TWT5	Water Truck - 5,000	1.00	10.00	HR	79.000		450	340		790
NY1	Foreman	1.00	10.00	MH	42.000	949				949
NY2	General Labor	2.00	20.00	MH	38.000	1,795				1,795
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000	2,769				2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]	5,514		1,818	1,320		8,651
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55	0.18	0.13		0.87

10400 Seed and Landscape **Quan: 3,000.00 SF** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

<u>LSC1</u>	Landscape Crew - medium	12.00	CH	Prod: 250.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				
2LAND	Landscape@110%	3,000.00	SF	2.000	6,600					6,600
8EXBC753M	Bobcat 753 no attach	1.00	12.00	HR	10.920		131			131
8EXBCATT	Bobcat Attachments	1.00	12.00	HR	4.540		54			54
8EXGRDALL	Gradall 3 CY	1.00	12.00	HR	220.400		1,371	1,274		2,645
8HYDMLC	Hydro Mulcher	1.00	12.00	HR	60.000		720			720
8SMTTOOLS	Small Tools	4.00	48.00	HR	10.000		480			480
8TPU	Pickup Truck	1.00	12.00	HR	9.870		40	78		118
8TWT3	Water Truck - 3,000	1.00	12.00	HR	74.470		516	378		894
NY1	Foreman	1.00	12.00	MH	42.000	1,138				1,138
NY2	General Labor	8.00	96.00	MH	38.000	8,618				8,618
NY3	Skilled Labor / Operat	4.00	48.00	MH	40.000	4,431				4,431
\$25,830.02	0.0520 MH/SF	156.0000	MH	[2.024]	14,188	6,600	3,313	1,730		25,830
250.0000	Units/H*	2,500.0000	Un/Shift	19.2308	Unit/M	4.73	2.20	1.10	0.58	8.61

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 = 2040100

Description = Cut Side Slope Grade 6 to 1

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

=====> Item Totals: 2040100 - Cut Side Slope Grade 6 to 1

\$157,224.65	0.0769 MH/SF	769.24 MH	[2.948]	69,371	28,396	18,559	12,194	28,704	157,225
15.722	10000 SF			6.94	2.84	1.86	1.22	2.87	15.72

Total of Above Sub-Biditems

=====> Item Totals:

2040000 - Cut Side Slope									
\$157,224.65	MH/LF	769.24 MH	[]	69,371	28,396	18,559	12,194	28,704	157,225
0.000	0 LF								

PARENT ITEM 2050000

Description = Vegetated Stone Slope

Unit = LF Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 2050000:

BID ITEM = 2050100

Description = Vegetated Stone Slope

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

10050	Stone Slope Wall	Quan: 111.11 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
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**Unreviewed

<u>EXSL</u>	Stone Slope Crew	37.03 CH	Prod: 3.0000 UH	Lab Pcs: 9.00	Eqp Pcs: 7.00	
2STONESL	Stone Slope Mater@1	111.11 CY	30.000	3,667		3,667

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/>										
BID ITEM = 2050100			Land Item	SCHEDULE: 1	100					
Description = Vegetated Stone Slope			Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000		
8CRNG40T	Grove RT640E 40 To	1.00	37.04 HR	110.000			2,963	1,111		4,074
8CRNRIG	Crane Rigging Equip	1.00	37.04 HR	30.000			926	185		1,111
8EX350	CAT 350 3 CY Exca	1.00	37.04 HR	220.400			4,232	3,932		8,164
8L966	CAT 966H Wheel loa	1.00	37.04 HR	98.630			2,014	1,639		3,653
8SMTOOLS	Small Tools	2.00	74.07 HR	10.000			741			741
8TPU	Pickup Truck	1.00	37.04 HR	9.870			125	241		366
LAB-A	General Labor - Appr	1.00	37.04 MH	28.430	2,874					2,874
LAB-F	General Labor - Fore	1.00	37.04 MH	34.000	3,137					3,137
LAB-J	General Labor - Class	3.00	111.11 MH	33.460	9,333					9,333
OP-2	Operator - Medium E	2.00	74.07 MH	43.500	7,168					7,168
OP-CR1	Operator - Crane Med	1.00	37.04 MH	46.300	3,716					3,716
OP-OIL	Equip Oiler	1.00	37.04 MH	43.780	3,597					3,597
\$51,600.65	3.0000 MH/CY	333.3400	MH	[113.3]	29,825	3,667	11,001	7,108		51,601
3.0005	Units/H*	30.0054	Un/Shift	0.3333 Unit/M	268.43	33.00	99.01	63.97		464.41
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10150	Cut, excavate, and remove - soil			Quan: 1,944.44 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>EX5</u>	Excavator Crew - Medium		32.40 CH	Prod: 60.0001 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00		
4HAUL	Hauling - Sub		1,944.44 CY	15.000					29,167	29,167
8EX350	CAT 350 3 CY Exca	1.00	32.41 HR	220.400			3,703	3,440		7,143
8SMTOOLS	Small Tools	2.00	64.81 HR	10.000			648			648
8TPU	Pickup Truck	1.00	32.41 HR	9.870			109	211		320
LAB-A	General Labor - Appr	1.00	32.41 MH	28.430	2,515					2,515
LAB-F	General Labor - Fore	1.00	32.41 MH	34.000	2,745					2,745
LAB-J	General Labor - Class	1.00	32.41 MH	33.460	2,722					2,722
OP-2	Operator - Medium E	1.00	32.41 MH	43.500	3,136					3,136
OP-OIL	Equip Oiler	1.00	32.41 MH	43.780	3,148					3,148
\$51,543.80	0.0833 MH/CY	162.0500	MH	[3.053]	14,266		4,460	3,651	29,167	51,544
60.0136	Units/H*	600.1358	Un/Shift	11.9990 Unit/M	7.34		2.29	1.88	15.00	26.51

**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/>											
BID ITEM = 2050100			Land Item	SCHEDULE: 1	100						
Description = Vegetated Stone Slope				Unit = SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000			
<hr/>											
10300	Drainage Swale - clean fill	Quan: 166.67 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<hr/>											
<u>GR4</u>	Gradall Crew	6.66	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 5.00	**Unreviewed				
2FILL	Fill - Borrow@110%	166.67	CY	10.000	1,833						1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33 HR	220.400		1,523	1,415				2,938
8L938	CAT 938H Wheel loa	1.00	6.67 HR	56.230		204	171				375
8SMTTOOLS	Small Tools	2.00	13.33 HR	10.000		133					133
NY1	Foreman	1.00	6.67 MH	42.000	633						633
NY2	General Labor	2.00	13.33 MH	38.000	1,197						1,197
NY3	Skilled Labor / Operat	3.00	20.00 MH	40.000	1,846						1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833	1,861	1,586			8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668 Unit/M	22.05	11.00	11.16	9.51			53.73
<hr/>											
10350	Drain Rock	Quan: 14.81 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<hr/>											
<u>GR2</u>	Compact- Large	0.59	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00	**Unreviewed				
2DROCK	Drain Rock@110%	14.81	CY	50.000	815						815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120		16	5				21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230		18	15				33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440		67	54				121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500		19					19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260		38	28				66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000		12					12
8TPU	Pickup Truck	1.00	0.59 HR	9.870		2	4				6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000		27	20				47
NY1	Foreman	1.00	0.59 MH	42.000	56						56
NY2	General Labor	8.00	4.74 MH	38.000	426						426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000	328						328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]	809	815	199	126			1,949

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
<hr/>															
BID ITEM = 2050100															
Description = Vegetated Stone Slope															
Land Item SCHEDULE: 1 100															
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000															
25.1017	Units/H*	251.0169	Un/Shift	1.6678	Unit/M	54.64	55.00	13.43	8.52						131.59
<hr/>															
10450 Clean Fill under Thruway															
Quan: 277.78 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287															
**Unreviewed															
LD1	Load, Fill, Cut		11.11	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00								
2FILL	Fill - Borrow@110%		277.78	CY	10.000	3,056									3,056
8EXM322D	CAT M322D 1.5 CY	1.00	11.11	HR	101.430			679	448						1,127
8L938	CAT 938H Wheel loa	2.00	22.22	HR	56.230			681	569						1,249
8SMTTOOLS	Small Tools	2.00	22.22	HR	10.000			222							222
8TPU	Pickup Truck	1.00	11.11	HR	9.870			37	72						110
NY1	Foreman	1.00	11.11	MH	42.000	1,054									1,054
NY2	General Labor	2.00	22.22	MH	38.000	1,995									1,995
NY3	Skilled Labor / Operat	3.00	33.33	MH	40.000	3,077									3,077
\$11,889.26	0.2399 MH/CY		66.6600	MH	[9.519]	6,126	3,056	1,619	1,089						11,889
25.0027	Units/H*	250.0270	Un/Shift	4.1671	Unit/M	22.05	11.00	5.83	3.92						42.80
<hr/>															
10500 Gade and Compact															
Quan: 10,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287															
**Unreviewed															
GR1	Grading - Grader		10.00	CH	Prod: 1,000.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00								
8MG16H	Cat 16H Motorgrader	2.00	20.00	HR	102.440			1,134	915						2,049
8SMTTOOLS	Small Tools	2.00	20.00	HR	10.000			200							200
8TPU	Pickup Truck	1.00	10.00	HR	9.870			34	65						99
8TWT5	Water Truck - 5,000	1.00	10.00	HR	79.000			450	340						790
NY1	Foreman	1.00	10.00	MH	42.000	949									949
NY2	General Labor	2.00	20.00	MH	38.000	1,795									1,795
NY3	Skilled Labor / Operat	3.00	30.00	MH	40.000	2,769									2,769
\$8,651.02	0.0060 MH/SF		60.0000	MH	[0.238]	5,514		1,818	1,320						8,651
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55		0.18	0.13						0.87
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=====> Item Totals: 2050100 - Vegetated Stone Slope															

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/>										
BID ITEM = 2050100										
Description = Vegetated Stone Slope										
		Land Item	SCHEDULE: 1	100						
		Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000			
\$134,588.95	0.0670 MH/SF	670.93	MH	[2.548]	60,215	9,370	20,957	14,880	29,167	134,589
13.459	10000 SF				6.02	0.94	2.10	1.49	2.92	13.46
<hr/>										
<hr/>										
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals: 2050000 - Vegetated Stone Slope										
\$134,588.95	MH/LF	670.93	MH	[]	60,215	9,370	20,957	14,880	29,167	134,589
0.000	0 LF									
<hr/>										
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BID ITEM = 2060000			Land Item	SCHEDULE: 1	100			
Description = Flood Bound Wall			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000
10050	Concrete Wall		Quan: 130.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287	
			**Unreviewed					
<u>CC1</u>	Concrete - Retaing Wall	16.25	CH	Prod: 8.0000	UH	Lab Pcs: 10.00	Eqp Pcs: 12.00	
2CONC	Concrete - Ready @1	131.04	CY	141.000		20,324		20,324
2REBAR	Rebar@110%	35,100.35	LBS	0.650		25,097		25,097
8CNCPE2	Concrete Place Equip	1.00	16.25	HR	37.692		547 66	612
8CNCPEQ2	Concrete Pumping Eq	1.00	16.25	HR	56.000		813 98	910
8CONC100	Concrete Conveyer (1	1.00	16.25	HR	23.850		203 184	388
8CONWT	Concrete Work Tools	2.00	32.50	HR	4.310		140	140
8CRNG40T	Grove RT640E 40 To	1.00	16.25	HR	110.000		1,300 488	1,788
8FORM1	Concrete Form Set - S	1.00	16.25	HR	5.000		81	81

**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/>										
BID ITEM = 2060000			Land Item	SCHEDULE: 1	100					
Description = Flood Bound Wall			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8FORM2	Form System-with acc	1.00	16.25 HR	39.200			569	68		637
8GEN1000	Generators 1000 KW	1.00	16.25 HR	35.000			325	244		569
8SMTTOOLS	Small Tools	2.00	32.50 HR	10.000			325			325
8TPU	Pickup Truck	1.00	16.25 HR	9.870			55	106		160
CARP-F	Carpenter - Foreman	1.00	16.25 MH	45.500	1,614					1,614
CARP-J	Carpenter - Journeym	3.00	48.75 MH	40.250	4,516					4,516
IRW-LR	Iron Worker - Lather/	3.00	48.75 MH	50.250	5,136					5,136
OP-2	Operator - Medium E	1.00	16.25 MH	43.500	1,572					1,572
OP-CR1	Operator - Crane Med	1.00	16.25 MH	46.300	1,630					1,630
OP-OIL	Equip Oiler	1.00	16.25 MH	43.780	1,578					1,578
\$67,077.83	1.2500 MH/CY	162.5000	MH	[56.323]	16,047	45,421	4,357	1,253		67,078
8.0000	Units/H*	80.0000	Un/Shift	0.8000 Unit/M	123.44	349.39	33.52	9.64		515.98
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10100	Compacted Subbase			Quan: 7.41 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
GR3	Compact - Small		0.29 CH	Prod: 25.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	7.00		
2SBASE	Sub Base@110%		7.41 CY	14.000	114					114
8RWKWM	Walk Behind Whacke	3.00	0.89 HR	13.250			7	5		12
8SMTTOOLS	Small Tools	2.00	0.59 HR	10.000			6			6
8TPU	Pickup Truck	1.00	0.30 HR	9.870			1	2		3
8TWT5	Water Truck - 5,000	1.00	0.30 HR	79.000			14	10		24
NY1	Foreman	1.00	0.30 MH	42.000	28					28
NY2	General Labor	5.00	1.48 MH	38.000	133					133
NY3	Skilled Labor / Operat	2.00	0.59 MH	40.000	54					54
\$374.25	0.3198 MH/CY	2.3700	MH	[12.475]	216	114	27	17		374
25.5517	Units/H*	255.5172	Un/Shift	3.1266 Unit/M	29.12	15.40	3.70	2.28		50.51
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10150	Cut, excavate, and remove - soil			Quan: 1,944.44 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>EX5</u>	Excavator Crew - Medium		32.40 CH	Prod: 60.0001 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00		

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/>										
BID ITEM = 2060000		Land Item		SCHEDULE: 1	100					
Description = Flood Bound Wall		Unit =		LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
4HAUL	Hauling - Sub	1,944.44	CY	15.000					29,167	29,167
8EX350	CAT 350 3 CY Exca	1.00	32.41 HR	220.400			3,703	3,440		7,143
8SMTTOOLS	Small Tools	2.00	64.81 HR	10.000			648			648
8TPU	Pickup Truck	1.00	32.41 HR	9.870			109	211		320
LAB-A	General Labor - Appr	1.00	32.41 MH	28.430	2,515					2,515
LAB-F	General Labor - Fore	1.00	32.41 MH	34.000	2,745					2,745
LAB-J	General Labor - Class	1.00	32.41 MH	33.460	2,722					2,722
OP-2	Operator - Medium E	1.00	32.41 MH	43.500	3,136					3,136
OP-OIL	Equip Oiler	1.00	32.41 MH	43.780	3,148					3,148
\$51,543.80	0.0833 MH/CY	162.0500	MH	[3.053]	14,266		4,460	3,651	29,167	51,544
60.0136	Units/H*	600.1358	Un/Shift	11.9990 Unit/M	7.34		2.29	1.88	15.00	26.51

10200 Cut, excavate, and remove - rock **Quan: 277.78 CY** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>EX3</u>	Excavate Hard Rock - Ripping	92.59	CH	Prod: 3.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
4HAUL	Hauling - Sub	277.78	CY	50.000				13,889	13,889	
8ADDSTM	Addon - Small Tool&	1.00	92.59 HR	2.650		199	46			245
8D6	CAT D6 Dozer	1.00	92.59 HR	36.120		2,561	783			3,344
8EX350	CAT 350 3 CY Exca	1.00	92.59 HR	220.400		10,578	9,828			20,407
8GEN1000	Generators 1000 KW	1.00	92.59 HR	35.000		1,852	1,389			3,241
8L963C	CAT 963C Track Loa	1.00	92.59 HR	61.680		4,655	1,056			5,711
8SMTTOOLS	Small Tools	2.00	185.19 HR	10.000		1,852				1,852
8TPU	Pickup Truck	1.00	92.59 HR	9.870		312	602			914
LAB-A	General Labor - Appr	2.00	185.19 MH	28.430	14,371					14,371
LAB-F	General Labor - Fore	1.00	92.59 MH	34.000	7,841					7,841
LAB-J	General Labor - Class	3.00	277.78 MH	33.460	23,333					23,333
OP-2	Operator - Medium E	3.00	277.78 MH	43.500	26,880					26,880
OP-OIL	Equip Oiler	1.00	92.59 MH	43.780	8,993					8,993
\$131,020.27	3.3333 MH/CY	925.9300	MH	[121.839]	81,417	22,010	13,704	13,889		131,020

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs				Labor	Material	Matl/Ex	Ownershi	Operatio	Contract
											Total
BID ITEM = 2060000											
Description = Flood Bound Wall											
			Land Item	SCHEDULE: 1	100						
			Unit =	LF	Takeoff Quan:	100.000	Engr	Quan:		0.000	
3.0001	Units/H*	30.0011	Un/Shift	0.3000	Unit/M	293.10		79.23	49.33	50.00	471.67
10250	Soil Anchors			Quan: 300.00	EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
**Unreviewed											
<u>CC2</u>	Soil Stabilize		300.00	CH	Prod: 1.0000	UH	Lab Pcs:	13.00	Eqp Pcs:	5.00	
2SANCHR	Soil Anchor Mater@1		300.00	EA	200.000		66,000				66,000
8AC1300	Air Compressor - 130	1.00	300.00	HR	131.450				14,400	25,035	39,435
8TPU	Pickup Truck	1.00	300.00	HR	9.870				1,011	1,950	2,961
8ZAIRD	Air Track Drill 4"	1.00	300.00	HR	161.050				34,500	13,815	48,315
8ZAIRH	Air Tools- Hose 50'l x	1.00	300.00	HR	0.510				138	15	153
8ZG050	Genset - 50 kW	1.00	300.00	HR	19.700				1,350	4,560	5,910
NY1	Foreman	1.00	300.00	MH	42.000	28,458					28,458
NY2	General Labor	4.00	1,200.00	MH	38.000	107,727					107,727
NY3	Skilled Labor / Operat	8.00	2,400.00	MH	40.000	221,558					221,558
\$520,516.98	13.0000 MH/EA	3,900.0000	MH	[514]	357,743	66,000		51,399	45,375		520,517
1.0000	Units/H*	10.0000	Un/Shift	0.0769	Unit/M	1,192.48	220.00		171.33	151.25	1,735.06
10300	Drainage Swale - clean fill			Quan: 166.67	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
**Unreviewed											
<u>GR4</u>	Gradall Crew		6.66	CH	Prod: 25.0000	UH	Lab Pcs:	6.00	Eqp Pcs:	5.00	
2FILL	Fill - Borrow@110%		166.67	CY	10.000		1,833				1,833
8EXGRDALL	Gradall 3 CY	2.00	13.33	HR	220.400				1,523	1,415	2,938
8L938	CAT 938H Wheel loa	1.00	6.67	HR	56.230				204	171	375
8SMTTOOLS	Small Tools	2.00	13.33	HR	10.000				133		133
NY1	Foreman	1.00	6.67	MH	42.000	633					633
NY2	General Labor	2.00	13.33	MH	38.000	1,197					1,197
NY3	Skilled Labor / Operat	3.00	20.00	MH	40.000	1,846					1,846
\$8,955.35	0.2399 MH/CY	40.0000	MH	[9.52]	3,676	1,833		1,861	1,586		8,955
25.0255	Units/H*	250.2553	Un/Shift	4.1668	Unit/M	22.05	11.00		11.16	9.51	53.73

**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
BID ITEM = 2060000		Land Item	SCHEDULE: 1	100							
Description = Flood Bound Wall		Unit =	LF	Takeoff Quan:	100.000	Engr Quan:			0.000		
10350	Drain Rock	Quan:	14.81 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
											**Unreviewed
GR2	Compact- Large	0.59	CH	Prod:	25.0000 UH	Lab Pcs:	15.00	Eqp Pcs:	11.00		
2DROCK	Drain Rock@110%	14.81	CY	50.000		815					815
8D6	CAT D6 Dozer	1.00	0.59 HR	36.120				16	5		21
8L938	CAT 938H Wheel loa	1.00	0.59 HR	56.230				18	15		33
8MG16H	Cat 16H Motorgrader	2.00	1.18 HR	102.440				67	54		121
8RSF	Sheepsft Roller	1.00	0.59 HR	32.500				19			19
8RSW	Steel wheel roller	2.00	1.18 HR	56.260				38	28		66
8SMTTOOLS	Small Tools	2.00	1.18 HR	10.000				12			12
8TPU	Pickup Truck	1.00	0.59 HR	9.870				2	4		6
8TWT5	Water Truck - 5,000	1.00	0.59 HR	79.000				27	20		47
NY1	Foreman	1.00	0.59 MH	42.000		56					56
NY2	General Labor	8.00	4.74 MH	38.000		426					426
NY3	Skilled Labor / Operat	6.00	3.55 MH	40.000		328					328
\$1,948.87	0.5995 MH/CY	8.8800	MH	[23.423]		809	815	199	126		1,949
25.1017	Units/H*	251.0169	Un/Shift	1.6678	Unit/M	54.64	55.00	13.43	8.52		131.59
10500	Gade and Compact	Quan:	10,000.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287		
											**Unreviewed
GR1	Grading - Grader	10.00	CH	Prod:	1,000.0000 UH	Lab Pcs:	6.00	Eqp Pcs:	6.00		
8MG16H	Cat 16H Motorgrader	2.00	20.00 HR	102.440				1,134	915		2,049
8SMTTOOLS	Small Tools	2.00	20.00 HR	10.000				200			200
8TPU	Pickup Truck	1.00	10.00 HR	9.870				34	65		99
8TWT5	Water Truck - 5,000	1.00	10.00 HR	79.000				450	340		790
NY1	Foreman	1.00	10.00 MH	42.000		949					949
NY2	General Labor	2.00	20.00 MH	38.000		1,795					1,795
NY3	Skilled Labor / Operat	3.00	30.00 MH	40.000		2,769					2,769
\$8,651.02	0.0060 MH/SF	60.0000	MH	[0.238]		5,514		1,818	1,320		8,651

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Total
Resource		Pcs					Material	Matl/Ex	Ownershi	Operatio	Contract	
<hr/>												
BID ITEM = 2060000												
Description = Flood Bound Wall												
1,000.0000	Units/H*	10,000.0000	Un/Shift	166.6667	Unit/M	0.55						
<hr/>												
=====> Item Totals: 2060000 - Flood Bound Wall												
\$790,088.37	52.6173	MH/LF	5,261.73	MH	[2057.091]	479,687	114,183		86,130	67,032	43,056	790,088
7,900.884		100 LF				4,796.87	1,141.83		861.30	670.32	430.56	7,900.88
<hr/>												
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Total of Above Sub-Biditems												
<hr/>												
=====> Item Totals: 2000000 - Edge Details												
\$8,695,802.61	532.0076	MH/EA	53,200.76	MH	[20817.89]	4,852,731	1,795,361		946,850	724,382	376,480	8,695,803
86,958.026		100 EA				48,527.31	17,953.61		9,468.50	7,243.82	3,764.80	86,958.03
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PARENT ITEM 5000000

Description = Structures Unit = EA Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 5000000:

BID ITEM = 5010000										
Description = Bridges										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000										
PC Conc Girder Bridge	ea	h (ft)	l (ft)	w (ft)	a (sf)	v (cy)	rebar (lb)	total length(lf)		
bridge	1	20	100	50	5,000					
piles	50	50	3	7	654	163,542	2,500			

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 = 5010000

Description = Bridges

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

abutments 2 10 20 65 1,300 481 120,370
coulmn cap 1 5 50 6 56 13,889
columns 6 20 5 5 111 27,778
girders 24 2 50 2 100
deck 1 2 100 50 5,000 370 92,593

10050 Site Prep and Clear Quan: 2.00 ACRE Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>CLL</u>	Light Clearing Crew	40.00	CH	Prod: 2.0000 SU	Lab Pcs: 5.00	Eqp Pcs: 3.00		
8LT953	CAT 953 Track loader	1.00	40.00 HR	40.670		1,293	334	1,627
8TDUMP16	Dump Truck 16 CY	1.00	40.00 HR	57.230		675	1,614	2,289
8TPU	Pickup Truck	1.00	40.00 HR	9.870		135	260	395
LAB	Laborer	1.00	40.00 MH	25.890	2,995			2,995
LABF	Labor Foreman	1.00	40.00 MH	26.890	3,045			3,045
OP4	Operator - Scraper	1.00	40.00 MH	30.280	3,198			3,198
OP5	Operator - Dozer	1.00	40.00 MH	30.280	3,198			3,198
TDH	Truck Driver Heavy	1.00	40.00 MH	36.000	3,509			3,509
\$20,256.02	100.0000 MH/ACRE	200.0000	MH	[2986.8]	15,945	2,103	2,208	20,256
0.0500	Units/H	0.5000	Un/Shift	0.0100 Unit/M	7,972.61	1,051.60	1,103.80	10,128.01

10075 Piles Quan: 2,500.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>PDL</u>	Land Pile Driving Crew	125.00	CH	Prod: 200.0000 US	Lab Pcs: 12.00	Eqp Pcs: 12.00		
2CONCC	Concrete@110%	700.00	CY	150.000	115,500			115,500
2STEELPILE	Steel Pile 3' Dia@110	2,500.00	LF	500.000	1,375,000			1,375,000
4HAUL	Hauling - Sub	700.00	CY	30.000			21,000	21,000
4REBAR	Rebar Sub	170,000.00	LB	0.750			127,500	127,500
8CONPUMP	Concrete Pump 80' B	1.00	125.00 HR	73.810		6,426	2,800	9,226
8CONWT	Concrete Work Tools	1.00	125.00 HR	4.310		539		539
8COP50	Concrete Pump - 50 c	1.00	125.00 HR	18.760		1,796	549	2,345
8CRNG40T	Grove RT640E 40 To	1.00	125.00 HR	110.000		10,000	3,750	13,750

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/>										
BID ITEM = 5010000			Land Item	SCHEDULE: 1	100					
Description = Bridges			Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000		
8CRNM150T	Manitowoc 555 150 T	1.00	125.00 HR	187.000			15,625	7,750		23,375
8CRNMTS	Crane Timber Mats- 2	1.00	125.00 HR	30.153			3,365	404		3,769
8CRNRIG	Crane Rigging Equip	1.00	125.00 HR	30.000			3,125	625		3,750
8PLEAUG	Pile Excav - Auger	1.00	125.00 HR	46.000			5,000	750		5,750
8PLEPP2	Power Pack: 800 HP	1.00	125.00 HR	150.000			12,500	6,250		18,750
8PLEVIBICE	Pile Vib - ICE 1412B	1.00	125.00 HR	200.000			18,750	6,250		25,000
8TPU	Pickup Truck	1.00	125.00 HR	9.870			421	813		1,234
8WLD	Welding Machine	1.00	125.00 HR	8.500			781	281		1,063
CNC-J	Concrete Worker - Jo	2.00	250.00 MH	34.000	21,171					21,171
DB-A	Dockbuilder - Appren	1.00	125.00 MH	29.000	9,791					9,791
DB-GF	Dockbuilder- General	1.00	125.00 MH	50.610	13,226					13,226
DB-J	Dockbuilder - Journey	2.00	250.00 MH	45.610	24,863					24,863
DB-R	Dockbuilder - Rigger	2.00	250.00 MH	45.610	24,863					24,863
IRW-LR	Iron Worker - Lather/	2.00	250.00 MH	50.250	26,338					26,338
OP-C	Operator - Concrete	1.00	125.00 MH	44.100	12,191					12,191
OP-OIL	Equip Oiler	1.00	125.00 MH	43.780	12,140					12,140
\$1,892,134.37	0.6000 MH/LF	1,500.0000	MH	[25.922]	144,584	1,490,500	78,329	30,221	148,500	1,892,134
20.0000	Units/H	200.0000	Un/Shift *	1.6667 Unit/M	57.83	596.20	31.33	12.09	59.40	756.85
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10100	Excavate Abutment			Quan: 500.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>EX350</u>	CAT 350 Exc Crew		10.00 CH	Prod: 50.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	3.00		
4HAUL	Hauling - Sub		500.00 CY	25.000					12,500	12,500
8EX350	CAT 350 3 CY Exca	1.00	10.00 HR	220.400			1,143	1,062		2,204
8L938	CAT 938H Wheel loa	1.00	10.00 HR	56.230			306	256		562
8TPU	Pickup Truck	1.00	10.00 HR	9.870			34	65		99
LAB	Laborer	3.00	30.00 MH	25.890	2,246					2,246
LABF	Labor Foreman	1.00	10.00 MH	26.890	761					761
OP-2	Operator - Medium E	1.00	10.00 MH	43.500	968					968
OP-OIL	Equip Oiler	2.00	20.00 MH	43.780	1,942					1,942

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 = 5010000

Description = Bridges

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

\$21,282.45	0.1400 MH/CY	70.0000	MH	[4.712]	5,917		1,483	1,383	12,500	21,282
50.0000	Units/H*	500.0000	Un/Shift	7.1429 Unit/M	11.83		2.97	2.77	25.00	42.56

10150 Abutment Quan: 480.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>CNC7</u>	Conc Crew	60.00	CH	Prod: 8.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 9.00				
2CONCC	Concrete@110%	480.00	CY	150.000	79,200					79,200
4REBAR	Rebar Sub	120,000.00	LB	0.750					90,000	90,000
8CNCP	Concrete Pump - 250	1.00	60.00	HR			4,800	576		5,376
8CNCPE1	Concrete Place Equip	1.00	60.00	HR			2,400	288		2,688
8CNCPEQ1	Concrete Pumping Eq	1.00	60.00	HR			1,200	390		1,590
8CONPUMP	Concrete Pump 80' B	1.00	60.00	HR			3,085	1,344		4,429
8CONWT	Concrete Work Tools	2.00	120.00	HR			517			517
8CRNG40T	Grove RT640E 40 To	1.00	60.00	HR			4,800	1,800		6,600
8FORM1	Concrete Form Set - S	1.00	60.00	HR			300			300
8GEN2	GENSET 800KW	1.00	60.00	HR			480	58		538
CNC-F	Concrete Worker - Fr	1.00	60.00	MH	5,234					5,234
CNC-J	Concrete Worker - Jo	2.00	120.00	MH	10,162					10,162
CONF-A	Conc Finisher - Appre	2.00	120.00	MH	9,620					9,620
CONF-J	Conc Finisher - Journ	2.00	120.00	MH	10,574					10,574
IRW-LR	Iron Worker - Lather/	2.00	120.00	MH	12,642					12,642
OP-C	Operator - Concrete	1.00	60.00	MH	5,852					5,852
OP-CR1	Operator - Crane Med	1.00	60.00	MH	6,020					6,020
OP-OIL	Equip Oiler	1.00	60.00	MH	5,827					5,827
\$257,169.20	1.5000 MH/CY	720.0000	MH	[59.123]	65,932	79,200	17,582	4,456	90,000	257,169
8.0000	Units/H*	80.0000	Un/Shift	0.6667 Unit/M	137.36	165.00	36.63	9.28	187.50	535.77

10200 Column Foundation - Pile Cap Quan: 60.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>CNC7</u>	Conc Crew	7.50	CH	Prod: 8.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 9.00				
2CONCC	Concrete@110%	60.00	CY	150.000	9,900					9,900

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/>										
BID ITEM = 5010000		Land Item		SCHEDULE: 1	100					
Description = Bridges		Unit =		SF	Takeoff Quan: 10,000.000		Engr Quan:		0.000	
4REBAR	Rebar Sub	14,000.00	LB	0.750					10,500	10,500
8CNCP	Concrete Pump - 250	1.00	7.50 HR	89.600			600	72		672
8CNCPE1	Concrete Place Equip	1.00	7.50 HR	44.800			300	36		336
8CNCPEQ1	Concrete Pumping Eq	1.00	7.50 HR	26.500			150	49		199
8CONPUMP	Concrete Pump 80' B	1.00	7.50 HR	73.810			386	168		554
8CONWT	Concrete Work Tools	2.00	15.00 HR	4.310			65			65
8CRNG40T	Grove RT640E 40 To	1.00	7.50 HR	110.000			600	225		825
8FORM1	Concrete Form Set - S	1.00	7.50 HR	5.000			38			38
8GEN2	GENSET 800KW	1.00	7.50 HR	8.960			60	7		67
CNC-F	Concrete Worker - Fr	1.00	7.50 MH	36.000	654					654
CNC-J	Concrete Worker - Jo	2.00	15.00 MH	34.000	1,270					1,270
CONF-A	Conc Finisher - Appre	2.00	15.00 MH	30.450	1,203					1,203
CONF-J	Conc Finisher - Journ	2.00	15.00 MH	36.700	1,322					1,322
IRW-LR	Iron Worker - Lather/	2.00	15.00 MH	50.250	1,580					1,580
OP-C	Operator - Concrete	1.00	7.50 MH	44.100	731					731
OP-CR1	Operator - Crane Med	1.00	7.50 MH	46.300	752					752
OP-OIL	Equip Oiler	1.00	7.50 MH	43.780	728					728
\$31,396.14	1.5000 MH/CY	90.0000	MH	[59.123]	8,241	9,900	2,198	557	10,500	31,396
8.0000	Units/H*	80.0000	Un/Shift	0.6667 Unit/M	137.36	165.00	36.63	9.28	175.00	523.27

10250	Columns	Quan: 112.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CNC7</u>	Conc Crew	18.66	CH	Prod: 6.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 9.00				
2CONCC	Concrete@110%	112.00	CY	150.000	18,480					18,480
4REBAR	Rebar Sub	28,000.00	LB	0.750				21,000		21,000
8CNCP	Concrete Pump - 250	1.00	18.67 HR	89.600		1,494	179			1,673
8CNCPE1	Concrete Place Equip	1.00	18.67 HR	44.800		747	90			836
8CNCPEQ1	Concrete Pumping Eq	1.00	18.67 HR	26.500		373	121			495
8CONPUMP	Concrete Pump 80' B	1.00	18.67 HR	73.810		960	418			1,378
8CONWT	Concrete Work Tools	2.00	37.33 HR	4.310		161				161

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/>										
BID ITEM = 5010000			Land Item	SCHEDULE: 1	100					
Description = Bridges			Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000		
8CRNG40T	Grove RT640E 40 To	1.00	18.67 HR	110.000			1,494	560		2,054
8FORM1	Concrete Form Set - S	1.00	18.67 HR	5.000			93			93
8GEN2	GENSET 800KW	1.00	18.67 HR	8.960			149	18		167
CNC-F	Concrete Worker - Fr	1.00	18.67 MH	36.000	1,629					1,629
CNC-J	Concrete Worker - Jo	2.00	37.33 MH	34.000	3,161					3,161
CONF-A	Conc Finisher - Appre	2.00	37.33 MH	30.450	2,993					2,993
CONF-J	Conc Finisher - Journ	2.00	37.33 MH	36.700	3,289					3,289
IRW-LR	Iron Worker - Lather/	2.00	37.33 MH	50.250	3,933					3,933
OP-C	Operator - Concrete	1.00	18.67 MH	44.100	1,821					1,821
OP-CR1	Operator - Crane Med	1.00	18.67 MH	46.300	1,873					1,873
OP-OIL	Equip Oiler	1.00	18.67 MH	43.780	1,813					1,813
\$66,849.43	2.0000 MH/CY	224.0000	MH	[78.831]	20,512	18,480	5,471	1,386	21,000	66,849
6.0021	Units/H*	60.0214	Un/Shift	0.5000 Unit/M	183.14	165.00	48.85	12.38	187.50	596.87
10275	Girders - Precast			Quan: 24.00 EA	Hrs/Shft: 10.00	Cal: 510	WC: NYI287			
<u>PCAST</u>	Precast Crew		120.00 CH	Prod: 2.0000 US	Lab Pcs:	9.00	Eqp Pcs:	5.00		
2PCSTGIRD	Precast Girder@ 110%		100.00 CY	750.000	82,500					82,500
8AC900	Air Compressor - 900	1.00	120.00 HR	88.850			4,200	6,462		10,662
8ADDSTM	Addon - Small Tool&	1.00	120.00 HR	2.650			258	60		318
8CRNM100T	Manitowoc 11000 10	1.00	120.00 HR	150.000			12,000	6,000		18,000
8GEN1000	Generators 1000 KW	1.00	120.00 HR	35.000			2,400	1,800		4,200
8TPU	Pickup Truck	1.00	120.00 HR	9.870			404	780		1,184
CNC-A	Concrete Worker - Ap	2.00	240.00 MH	32.000	19,714					19,714
CNC-F	Concrete Worker - Fr	1.00	120.00 MH	36.000	10,467					10,467
CNC-J	Concrete Worker - Jo	2.00	240.00 MH	34.000	20,324					20,324
OP-CR1	Operator - Crane Med	2.00	240.00 MH	46.300	24,079					24,079
OP-OIL	Equip Oiler	1.00	120.00 MH	43.780	11,655					11,655
QA	Quality Assurance Ins	1.00	120.00 MH	50.000	6,000					6,000
\$209,103.71	45.0000 MH/EA	1,080.0000	MH	[1771.9]	92,239	82,500	19,262	15,102		209,104

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 = 5010000

Description = Bridges

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 10,000.000 Engr Quan: 0.000

0.2000	Units/H	2.0000	Un/Shift *	0.0222	Unit/M	3,843.30	3,437.50	802.60	629.25	8,712.65
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10300 Deck **Quan: 50.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

<u>CNC7</u>	Conc Crew	12.50	CH	Prod: 4.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 9.00				
2CONCC	Concrete@110%	50.00	CY	150.000	8,250					8,250
4REBAR	Rebar Sub	93,000.00	LB	0.750					69,750	69,750
8CNCP	Concrete Pump - 250	1.00	12.50	HR			1,000	120		1,120
8CNCPE1	Concrete Place Equip	1.00	12.50	HR			500	60		560
8CNCPEQ1	Concrete Pumping Eq	1.00	12.50	HR			250	81		331
8CONPUMP	Concrete Pump 80' B	1.00	12.50	HR			643	280		923
8CONWT	Concrete Work Tools	2.00	25.00	HR			108			108
8CRNG40T	Grove RT640E 40 To	1.00	12.50	HR			1,000	375		1,375
8FORM1	Concrete Form Set - S	1.00	12.50	HR			63			63
8GEN2	GENSET 800KW	1.00	12.50	HR			100	12		112
CNC-F	Concrete Worker - Fr	1.00	12.50	MH		1,090				1,090
CNC-J	Concrete Worker - Jo	2.00	25.00	MH		2,117				2,117
CONF-A	Conc Finisher - Appre	2.00	25.00	MH		2,004				2,004
CONF-J	Conc Finisher - Journ	2.00	25.00	MH		2,203				2,203
IRW-LR	Iron Worker - Lather/	2.00	25.00	MH		2,634				2,634
OP-C	Operator - Concrete	1.00	12.50	MH		1,219				1,219
OP-CR1	Operator - Crane Med	1.00	12.50	MH		1,254				1,254
OP-OIL	Equip Oiler	1.00	12.50	MH		1,214				1,214
\$96,326.91	3.0000 MH/CY	150.0000	MH	[118.245]	13,736	8,250	3,663	928	69,750	96,327
4.0000	Units/H*	40.0000	Un/Shift	0.3333	Unit/M	274.72	165.00	73.26	18.57	1,395.00
										1,926.54

10400 Finishes **Quan: 5,000.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

2BRFURN	Bridge Furniture@11	5,000.00	SF	25.000	137,500					137,500
4BRFINSH	Stripes, Lights, Furnis	5,000.00	SF	25.000					125,000	125,000
\$262,500.00				[]	137,500				125,000	262,500

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/>										
BID ITEM = 5010000		Land Item	SCHEDULE: 1	100						
Description = Bridges			Unit = SF	Takeoff Quan:	10,000.000	Engr Quan:		0.000		
					27.50			25.00		52.50
<hr/>										
=====> Item Totals:	5010000 - Bridges									
\$2,857,018.23	0.4034 MH/SF	4,034.00	MH	[16.233]	367,107	1,826,330	130,090	56,241	477,250	2,857,018
285.702	10000 SF				36.71	182.63	13.01	5.62	47.73	285.70
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PARENT ITEM 5020000

Description = Noise Walls Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 5020000:

BID ITEM = 5020100

Description = Noise Walls Land Item SCHEDULE: 1 100 Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10100	Earthwork	Quan: 37.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287						
<u>EX5</u>	Excavator Crew - Medium	1.48 CH	Prod: 25.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 4.00					
8EX350	CAT 350 3 CY Exca	1.00 1.48 HR	220.400		169 157					326
8SMTTOOLS	Small Tools	2.00 2.96 HR	10.000		30					30
8TPU	Pickup Truck	1.00 1.48 HR	9.870		5 10					15
LAB-A	General Labor - Appr	1.00 1.48 MH	28.430	115						115
LAB-F	General Labor - Fore	1.00 1.48 MH	34.000	125						125
LAB-J	General Labor - Class	1.00 1.48 MH	33.460	124						124
OP-2	Operator - Medium E	1.00 1.48 MH	43.500	143						143
OP-OIL	Equip Oiler	1.00 1.48 MH	43.780	144						144
\$1,021.83	0.2000 MH/CY	7.4000 MH	[7.327]	651	204 167					1,022
25.0000	Units/H*	250.0000 Un/Shift	5.0000 Unit/M	17.61	5.50 4.51					27.62

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/>											
BID ITEM = 5020100			Land Item	SCHEDULE: 1	100						
Description = Noise Walls			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
10200	H Pile Supports			Quan: 400.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
4SHPLES	Pile Drive Sub		400.00 LF	150.000						60,000	60,000
10250	Concrete Foundation Pad			Quan: 7.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC1</u>	Concrete - Retaing Wall		1.40 CH	Prod: 5.0000 UH	Lab Pcs:	10.00	Eqp Pcs:	12.00			
2CONC	Concrete - Ready @1		7.00 CY	141.000		1,086					1,086
2REBAR	Rebar@110%		2,000.00 LBS	0.650		1,430					1,430
8CNCPE2	Concrete Place Equip	1.00	1.40 HR	37.692				47	6		53
8CNCPEQ2	Concrete Pumping Eq	1.00	1.40 HR	56.000				70	8		78
8CONC100	Concrete Conveyer (1	1.00	1.40 HR	23.850				18	16		33
8CONWT	Concrete Work Tools	2.00	2.80 HR	4.310				12			12
8CRNG40T	Grove RT640E 40 To	1.00	1.40 HR	110.000				112	42		154
8FORM1	Concrete Form Set - S	1.00	1.40 HR	5.000				7			7
8FORM2	Form System-with acc	1.00	1.40 HR	39.200				49	6		55
8GEN1000	Generators 1000 KW	1.00	1.40 HR	35.000				28	21		49
8SMTTOOLS	Small Tools	2.00	2.80 HR	10.000				28			28
8TPU	Pickup Truck	1.00	1.40 HR	9.870				5	9		14
CARP-F	Carpenter - Foreman	1.00	1.40 MH	45.500	139						139
CARP-J	Carpenter - Journeym	3.00	4.20 MH	40.250	389						389
IRW-LR	Iron Worker - Lather/	3.00	4.20 MH	50.250	442						442
OP-2	Operator - Medium E	1.00	1.40 MH	43.500	135						135
OP-CR1	Operator - Crane Med	1.00	1.40 MH	46.300	140						140
OP-OIL	Equip Oiler	1.00	1.40 MH	43.780	136						136
\$4,381.51	2.0000 MH/CY		14.0000 MH	[90.116]	1,383	2,516		375	108		4,382
5.0000	Units/H*	50.0000	Un/Shift	0.5000 Unit/M	197.50	359.39		53.63	15.42		625.93
10350	Anchors			Quan: 13.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CNPRE2</u>	Precast Concrete Place Crew		4.33 CH	Prod: 3.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	1.00			

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/>										
BID ITEM = 5020100		Land Item		SCHEDULE: 1	100					
Description = Noise Walls		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			
2PCANCH	Precast Anchors@110	13.00	EA	100.000	1,430					1,430
8CRBMTRK	Boom Truck 20 ton	1.00	4.33 HR	102.630		287	157			444
LAB	Laborer	3.00	13.00 MH	25.890	973					973
LABF	Labor Foreman	1.00	4.33 MH	26.890	330					330
OP1C	Crane Oper <50 T	1.00	4.33 MH	34.140	367					367
\$3,544.75	1.6661 MH/EA	21.6600	MH	[46.218]	1,670	1,430	287	157		3,545
3.0023	Units/H*	30.0231	Un/Shift	0.6002 Unit/M	128.49	110.00	22.10	12.08		272.67
<hr/>										
10400	Place Precast Panels	Quan: 13.00 EA		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CNPRE2</u>	Precast Concrete Place Crew	65.00	CH	Prod: 0.2000 UH	Lab Pcs: 5.00	Eqp Pcs: 1.00				
2CONCPCSP	Precast Concrete @11	13.00	EA	5,000.000	71,500					71,500
8CRBMTRK	Boom Truck 20 ton	1.00	65.00 HR	102.630		4,313	2,358			6,671
LAB	Laborer	3.00	195.00 MH	25.890	14,599					14,599
LABF	Labor Foreman	1.00	65.00 MH	26.890	4,949					4,949
OP1C	Crane Oper <50 T	1.00	65.00 MH	34.140	5,516					5,516
\$103,234.48	25.0000 MH/EA	325.0000	MH	[693.5]	25,064	71,500	4,313	2,358		103,234
0.2000	Units/H*	2.0000	Un/Shift	0.0400 Unit/M	1,927.96	5,500.00	331.75	181.40		7,941.11
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10500	Drain Rock	Quan: 15.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>GR2</u>	Compact- Large	1.50	CH	Prod: 10.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2DROCK	Drain Rock@110%	15.00	CY	50.000	825					825
8D6	CAT D6 Dozer	1.00	1.50 HR	36.120		41	13			54
8L938	CAT 938H Wheel loa	1.00	1.50 HR	56.230		46	38			84
8MG16H	Cat 16H Motorgrader	2.00	3.00 HR	102.440		170	137			307
8RSF	Sheepsft Roller	1.00	1.50 HR	32.500		49				49
8RSW	Steel wheel roller	2.00	3.00 HR	56.260		97	72			169
8SMTTOOLS	Small Tools	2.00	3.00 HR	10.000		30				30
8TPU	Pickup Truck	1.00	1.50 HR	9.870		5	10			15
8TWT5	Water Truck - 5,000	1.00	1.50 HR	79.000		68	51			119

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
BID ITEM = 5020100															
Description = Noise Walls															
Land Item SCHEDULE: 1 100															
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000															
NY1	Foreman	1.00	1.50	MH	42.000		142								142
NY2	General Labor	8.00	12.00	MH	38.000		1,077								1,077
NY3	Skilled Labor / Operat	6.00	9.00	MH	40.000		831								831
\$3,702.07	1.5000 MH/CY		22.5000	MH	[58.6]		2,050	825		506	321				3,702
10.0000	Units/H*	100.0000	Un/Shift	0.6667	Unit/M		136.69	55.00		33.72	21.40				246.80
=====> Item Totals: 5020100 - Noise Walls															
\$175,884.64	3.9056 MH/LF		390.56	MH	[113.972]		30,818	76,271		5,685	3,111	60,000			175,885
1,758.846	100 LF						308.18	762.71		56.85	31.11	600.00			1,758.85
Total of Above Sub-Biditems															
=====> Item Totals: 5020000 - Noise Walls															
\$175,884.64	3.9056 MH/LF		390.56	MH	[113.972]		30,818	76,271		5,685	3,111	60,000			175,885
1,758.846	100 LF						308.18	762.71		56.85	31.11	600.00			1,758.85
Total of Above Sub-Biditems															
=====> Item Totals: 5000000 - Structures															
\$3,032,902.87	44.2456 MH/EA		4,424.56	MH	[1737.238]		397,925	1,902,601		135,775	59,352	537,250	3,032,903		
30,329.029	100 EA						3,979.25	19,026.01		1,357.75	593.52	5,372.50	30,329.03		

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 6000000

Description = Earthwork & Demolitions Unit = LS Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6000000:

PARENT ITEM 6010000

Description = Clear & Grub Unit = ACRE Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6010000:

BID ITEM = 6010100

Description = Clear & Grub Land Item SCHEDULE: 1 100 Unit = ACRE Takeoff Quan: 100.000 Engr Quan: 0.000

10000	Cut and Chip Trees - Cut and chip light			Quan: 100.00 ACRE	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
CG1	Cut & Chip	1,142.85	CH	Prod: 0.0875 UH	Lab Pcs: 9.00	Eqp Pcs: 6.00			
8BRUSHCHP	Brush Chipper	1.00 1,142.86 HR		15.000		17,143			17,143
8L950	CAT 950H Wheel Lo	1.00 1,142.86 HR		66.160		42,526	33,086		75,612
8SMTTOOLS	Small Tools	3.00 3,428.57 HR		10.000		34,286			34,286
8TPU	Pickup Truck	1.00 1,142.86 HR		9.870		3,851	7,429		11,280
NY1	Foreman	1.00 1,142.86 MH		42.000	108,411				108,411
NY2	General Labor	4.00 4,571.43 MH		38.000	410,387				410,387
NY3	Skilled Labor / Operat	4.00 4,571.43 MH		40.000	422,016				422,016
\$1,079,135.15	102.8572 MH/ACRE	10,285.7200 MH	[4045.717]		940,815	97,806	40,514		1,079,135
0.0875	Units/H*	0.8750 Un/Shift	0.0097 Unit/M		9,408.15	978.06	405.14		10,791.35

10050	Stump Removal			Quan: 100.00 ACRE	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
CG1	Cut & Chip	800.00	CH	Prod: 0.1250 UH	Lab Pcs: 9.00	Eqp Pcs: 6.00			
8BRUSHCHP	Brush Chipper	1.00 800.00 HR		15.000		12,000			12,000
8L950	CAT 950H Wheel Lo	1.00 800.00 HR		66.160		29,768	23,160		52,928
8SMTTOOLS	Small Tools	3.00 2,400.00 HR		10.000		24,000			24,000
8TPU	Pickup Truck	1.00 800.00 HR		9.870		2,696	5,200		7,896

DIRECT COST REPORT

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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/>										
BID ITEM = 6020000										
Description = Grading										
Land Item SCHEDULE: 1 100										
Unit = SF Takeoff Quan: 100.000 Engr Quan: 0.000										
<hr/>										
10000	Grade/ Compact Walls and Footings	Quan: 100.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
GR3	Compact - Small	0.05	CH	Prod: 0.0000	Lab Pcs: 8.00	Eqp Pcs: 7.00				
8RWKWM	Walk Behind Whacke	3.00	0.18 HR	13.250		1	1			2
8SMTTOOLS	Small Tools	2.00	0.12 HR	10.000		1				1
8TPU	Pickup Truck	1.00	0.06 HR	9.870						1
8TWT5	Water Truck - 5,000	1.00	0.06 HR	79.000		3	2			5
NY1	Foreman	1.00	0.06 MH	42.000	6					6
NY2	General Labor	5.00	0.30 MH	38.000	27					27
NY3	Skilled Labor / Operat	2.00	0.12 MH	40.000	11					11
\$52.61	0.0048 MH/SF	0.4800	MH	[0.187]	44	6	3			53
2,000.0000	Units/H	20,000.0000	Un/Shift	208.3333 Unit/M	0.44	0.06	0.03			0.53
<hr/>										
=====> Item Totals: 6020000 - Grading										
\$52.61	0.0048 MH/SF	0.48	MH	[0.187]	44	6	3			53
0.526	100 SF				0.44	0.06	0.03			0.53
<hr/>										
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PARENT ITEM 6030000

Description = Cut Earth Unit = CY Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6030000:

BID ITEM = 6030100

Description = Cut to Fill - Local Move (Short Distance) Land Item SCHEDULE: 1 100
Unit = CY Takeoff Quan: 100.000 Engr Quan: 0.000

DIRECT COST REPORT

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

BID ITEM = 6030100

Land Item SCHEDULE: 1 100

Description = Cut to Fill - Local Move (Short Distance)

Unit = CY Takeoff Quan: 100.000 Engr Quan: 0.000

10050	Excavate	Quan:	100.00	CY	Hrs/Shift:	10.00	Cal:	510	WC:	NYI287
EX5	Excavator Crew - Medium	1.00	CH	Prod:	100.0000	UH	Lab Pcs:	5.00	Eqp Pcs:	4.00
8EX350	CAT 350 3 CY Exca	1.00	1.00	HR	220.400				114	106
8SMTTOOLS	Small Tools	2.00	2.00	HR	10.000				20	
8TPU	Pickup Truck	1.00	1.00	HR	9.870				3	7
LAB-A	General Labor - Appr	1.00	1.00	MH	28.430		78			
LAB-F	General Labor - Fore	1.00	1.00	MH	34.000		85			
LAB-J	General Labor - Class	1.00	1.00	MH	33.460		84			
OP-2	Operator - Medium E	1.00	1.00	MH	43.500		97			
OP-OIL	Equip Oiler	1.00	1.00	MH	43.780		97			
\$690.43	0.0500 MH/CY	5.0000	MH		[1.832]		440		138	113
100.0000	Units/H*	1,000.0000	Un/Shift	20.0000	Unit/M		4.40		1.38	1.13

10100	Load and Haul			Quan:	100.00	CY	Hrs/Shift:	10.00	Cal:	510	WC:	NYI287	
EXLH1	Load / Haul Crew			1.00	CH	Prod:	100.0000	UH	Lab Pcs:	7.00	Eqp Pcs:	6.00	
8ADDSTM	Addon - Small Tool&	1.00	1.00	HR		2.650					2	1	3
8L963C	CAT 963C Track Loa	1.00	1.00	HR		61.680					50	11	62
8TD18	Truck dump 18 CY tri	3.00	3.00	HR		22.350					41	27	67
8TPU	Pickup Truck	1.00	1.00	HR		9.870					3	7	10
LAB-F	General Labor - Fore	1.00	1.00	MH		34.000		85					85
LAB-J	General Labor - Class	1.00	1.00	MH		33.460		84					84
OP-2	Operator - Medium E	1.00	1.00	MH		43.500		97					97
OP-LHD	Operator - Load, Haul	3.00	3.00	MH		45.000		296					296
OP-OIL	Equip Oiler	1.00	1.00	MH		43.780		97					97
\$799.84	0.0700 MH/CY		7.0000	MH		[2.897]		659			96	45	800
100.0000	Units/H*	1,000.0000	Un/Shift		14.2857	Unit/M		6.59			0.96	0.45	8.00

====> Item Totals: 6030100 - Cut to Fill - Local Move (Short Distance

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/>										
BID ITEM = 6030100										
Description = Cut to Fill - Local Move (Short Distance)			Land Item	SCHEDULE: 1	100					
			Unit = CY	Takeoff Quan:	100.000	Engr Quan:	0.000			
\$1,490.27	0.1200 MH/CY	12.00	MH	[4.729]	1,099		234	158		1,490
14.903	100 CY				10.99		2.34	1.58		14.90
<hr/>										

BID ITEM = 6030200										
Description = Cut to Fill - Local Move (Long Distance)			Land Item	SCHEDULE: 1	100					
			Unit = CY	Takeoff Quan:	100.000	Engr Quan:	0.000			

10050	Excavate									
		Quan: 100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>EX5</u>	Excavator Crew - Medium	1.00	CH	Prod: 100.0000 UH	Lab Pcs: 5.00	Eqp Pcs: 4.00				
8EX350	CAT 350 3 CY Exca	1.00	1.00 HR	220.400		114	106			220
8SMTTOOLS	Small Tools	2.00	2.00 HR	10.000		20				20
8TPU	Pickup Truck	1.00	1.00 HR	9.870		3	7			10
LAB-A	General Labor - Appr	1.00	1.00 MH	28.430	78					78
LAB-F	General Labor - Fore	1.00	1.00 MH	34.000	85					85
LAB-J	General Labor - Class	1.00	1.00 MH	33.460	84					84
OP-2	Operator - Medium E	1.00	1.00 MH	43.500	97					97
OP-OIL	Equip Oiler	1.00	1.00 MH	43.780	97					97
\$690.43	0.0500 MH/CY	5.0000	MH	[1.832]	440	138	113			690
100.0000	Units/H*	1,000.0000	Un/Shift	20.0000 Unit/M	4.40	1.38	1.13			6.90

10100	Load and Haul (long cycle)									
		Quan: 100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>EXLH1</u>	Load / Haul Crew	1.33	CH	Prod: 75.0000 UH	Lab Pcs: 7.00	Eqp Pcs: 6.00				
8ADDSTM	Addon - Small Tool&	1.00	1.33 HR	2.650		3	1			4
8L963C	CAT 963C Track Loa	1.00	1.33 HR	61.680		67	15			82
8TD18	Truck dump 18 CY tri	3.00	4.00 HR	22.350		54	35			89
8TPU	Pickup Truck	1.00	1.33 HR	9.870		4	9			13
LAB-F	General Labor - Fore	1.00	1.33 MH	34.000	113					113
LAB-J	General Labor - Class	1.00	1.33 MH	33.460	112					112

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 = 6030200			Land Item	SCHEDULE: 1	100					
Description = Cut to Fill - Local Move (Long Distance)				Unit =	CY	Takeoff Quan:	100.000	Engr Quan:	0.000	
OP-2	Operator - Medium E	1.00	1.33 MH	43.500		129				129
OP-LHD	Operator - Load, Haul	3.00	4.00 MH	45.000		395				395
OP-OIL	Equip Oiler	1.00	1.33 MH	43.780		129				129
\$1,065.03	0.0932 MH/CY	9.3200	MH	[3.858]		877		128	60	1,065
75.1880	Units/H*	751.8797	Un/Shift	10.7296 Unit/M		8.77		1.28	0.60	10.65
=====> Item Totals: 6030200 - Cut to Fill - Local Move (Long Distance)										
\$1,755.46	0.1432 MH/CY	14.32	MH	[5.69]		1,317		266	172	1,755
17.555	100 CY					13.17		2.66	1.72	17.55

BID ITEM = 6030300			Land Item	SCHEDULE: 1	100				
Description = Cut - Haul / Disposal			Unit =	CY	Takeoff Quan:	100.000	Engr Quan:	0.000	
10050	Excavate		Quan:	100.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
EX5	Excavator Crew - Medium	1.00	CH	Prod: 100.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00	
8EX350	CAT 350 3 CY Exca	1.00	1.00 HR	220.400			114	106	220
8SMTTOOLS	Small Tools	2.00	2.00 HR	10.000			20		20
8TPU	Pickup Truck	1.00	1.00 HR	9.870			3	7	10
LAB-A	General Labor - Appr	1.00	1.00 MH	28.430	78				78
LAB-F	General Labor - Fore	1.00	1.00 MH	34.000	85				85
LAB-J	General Labor - Class	1.00	1.00 MH	33.460	84				84
OP-2	Operator - Medium E	1.00	1.00 MH	43.500	97				97
OP-OIL	Equip Oiler	1.00	1.00 MH	43.780	97				97
\$690.43	0.0500 MH/CY	5.0000	MH	[1.832]	440		138	113	690
100.0000	Units/H*	1,000.0000	Un/Shift	20.0000 Unit/M	4.40		1.38	1.13	6.90

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Cost	Labor	Material	Matl/Ex Ownershi	Equipme Operatio	Sub-Contract	Total
BID ITEM = 6030300			Land Item	SCHEDULE:	1	100					
Description = Cut - Haul / Disposal				Unit =	CY	Takeoff Quan:	100.000	Engr Quan:		0.000	
10100	Load and Haul (Disposal)			Quan:	100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
EXLH2	Load / Haul Crew Off Site		1.33 CH	Prod: 75.0000 UH		Lab Pcs: 10.00	Eqp Pcs: 8.00				
4HAUL	Hauling - Sub		100.00 CY	0.500						50	50
8ADDSTM	Addon - Small Tool&	1.00	1.33 HR	2.650			3	1			4
8L963C	CAT 963C Track Loa	1.00	1.33 HR	61.680			67	15			82
8TD18	Truck dump 18 CY tri	5.00	6.67 HR	22.350			90	59			149
8TPU	Pickup Truck	1.00	1.33 HR	9.870			4	9			13
LAB-F	General Labor - Fore	1.00	1.33 MH	34.000		113					113
LAB-J	General Labor - Class	1.00	1.33 MH	33.460		112					112
OP-2	Operator - Medium E	1.00	1.33 MH	43.500		129					129
OP-LHD	Operator - Load, Haul	5.00	6.67 MH	45.000		658					658
OP-OIL	Equip Oiler	2.00	2.67 MH	43.780		259					259
\$1,568.28	0.1333 MH/CY		13.3300 MH	[5.646]		1,271		164	83	50	1,568
75.1880	Units/H*	751.8797	Un/Shift	7.5019 Unit/M		12.71		1.64	0.83	0.50	15.68
=====> Item Totals:	6030300 - Cut - Haul / Disposal										
\$2,258.71	0.1833 MH/CY		18.33 MH	[7.478]		1,711		302	196	50	2,259
22.587	100 CY					17.11		3.02	1.96	0.50	22.59
Total of Above Sub-Biditems											
=====> Item Totals:	6030000 - Cut Earth										
\$5,504.44	MH/CY		44.65 MH	[]		4,127		802	526	50	5,504
0.000	0 CY										

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 6040000

Description = Fill Earth Unit = CY Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6040000:

BID ITEM = 6040100

Description = Import Fill Land Item SCHEDULE: 1 100 Unit = CY Takeoff Quan: 100.000 Engr Quan: 0.000

10050	Earthwork - Place Earth	Quan: 100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
EX10	Dozer Crew	1.33 CH	Prod: 75.0000 UH	Lab Pcs: 3.00	Eqp Pcs: 4.00
4FILL	Purchase Earth as Fill	100.00 CY	10.000		1,000 1,000
8D06L	CAT D6H LGP Doze	1.00 1.33 HR	99.820		71 62 133
8SMTTOOLS	Small Tools	2.00 2.67 HR	10.000		27 27
8TPU	Pickup Truck	1.00 1.33 HR	9.870		4 9 13
NY1	Foreman	1.00 1.33 MH	42.000	126	126
NY2	General Labor	1.00 1.33 MH	38.000	119	119
NY3	Skilled Labor / Operat	1.00 1.33 MH	40.000	123	123
\$1,540.93	0.0399 MH/CY	3.9900 MH	[1.596]	368	102 70 1,000 1,541
75.1880	Units/H*	751.8797 Un/Shift	25.0627 Unit/M	3.68	1.02 0.70 10.00 15.41

10100	Compaction	Quan: 100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287
EXC	Compact Crew	1.33 CH	Prod: 75.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00
8ADDSTM	Addon - Small Tool&	1.00 1.33 HR	2.650		3 1 4
8D06L	CAT D6H LGP Doze	1.00 1.33 HR	99.820		71 62 133
8RSF	Sheepsft Roller	1.00 1.33 HR	32.500		43 43
8SMTTOOLS	Small Tools	2.00 2.67 HR	10.000		27 27
8TPU	Pickup Truck	1.00 1.33 HR	9.870		4 9 13
LAB-A	General Labor - Appr	1.00 1.33 MH	28.430	103	103
LAB-F	General Labor - Fore	1.00 1.33 MH	34.000	113	113
LAB-J	General Labor - Class	1.00 1.33 MH	33.460	112	112
OP-2	Operator - Medium E	2.00 2.67 MH	43.500	258	258

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/>										
BID ITEM = 6040100										
Description = Import Fill										
			Land Item	SCHEDULE: 1	100					
			Unit =	CY	Takeoff Quan:	100.000	Engr Quan:	0.000		
OP-OIL	Equip Oiler	1.00	1.33 MH	43.780	129					129
\$934.44	0.0799 MH/CY		7.9900 MH	[3.019]	715		148	71		934
75.1880	Units/H*	751.8797	Un/Shift	12.5156 Unit/M	7.15		1.48	0.71		9.34
<hr/>										
=====> Item Totals: 6040100 - Import Fill										
\$2,475.37	0.1198 MH/CY		11.98 MH	[4.615]	1,083		251	141	1,000	2,475
24.754	100 CY				10.83		2.51	1.41	10.00	24.75
<hr/>										
<hr/>										
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals: 6040000 - Fill Earth										
\$2,475.37	MH/CY		11.98 MH	[]	1,083		251	141	1,000	2,475
0.000	0 CY									
<hr/>										
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PARENT ITEM 6050000

Description = Hard Rock Excavations Unit = CY Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6050000:

BID ITEM = 6050100

Description = Excavate Hard Rock - Ripping Land Item SCHEDULE: 1 100 Unit = CY Takeoff Quan: 100.000 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 = 6050100

Description = Excavate Hard Rock - Ripping

Land Item SCHEDULE: 1 100
Unit = CY Takeoff Quan: 100.000 Engr Quan: 0.000

10050	Ripping medium hard rock - ideal conditi	Quan: 100.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>EX3</u>	Excavate Hard Rock - Ripping	6.66 CH	Prod: 15.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00					
4HAUL	Hauling - Sub	100.00 CY	50.000						5,000	5,000
8ADDSTM	Addon - Small Tool&	1.00 6.67 HR	2.650		14 3					18
8D6	CAT D6 Dozer	1.00 6.67 HR	36.120		184 56					241
8EX350	CAT 350 3 CY Exca	1.00 6.67 HR	220.400		762 708					1,470
8GEN1000	Generators 1000 KW	1.00 6.67 HR	35.000		133 100					233
8L963C	CAT 963C Track Loa	1.00 6.67 HR	61.680		335 76					411
8SMTTOOLS	Small Tools	2.00 13.33 HR	10.000		133					133
8TPU	Pickup Truck	1.00 6.67 HR	9.870		22 43					66
LAB-A	General Labor - Appr	2.00 13.33 MH	28.430	1,034						1,034
LAB-F	General Labor - Fore	1.00 6.67 MH	34.000	565						565
LAB-J	General Labor - Class	3.00 20.00 MH	33.460	1,680						1,680
OP-2	Operator - Medium E	3.00 20.00 MH	43.500	1,935						1,935
OP-OIL	Equip Oiler	1.00 6.67 MH	43.780	648						648
\$13,434.97	0.6667 MH/CY	66.6700 MH	[24.37]	5,862		1,585	987	5,000		13,435
15.0150	Units/H*	150.1502 Un/Shift	1.4999 Unit/M	58.62		15.85	9.87	50.00		134.35

10200	Rock Fence, Finish, Slope Protect	Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
<u>PL1</u>	Place - Install Material	10.00 CH	Prod: 10.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00					
2FENCE	Perm Barrier Fenc@1	100.00 LF	100.000	11,000						11,000
8CRBMTRK	Boom Truck 20 ton	1.00 10.00 HR	102.630		664 363					1,026
8LFORK	Fork Lift	1.00 10.00 HR	43.060		301 130					431
8LIFTS32	Scissor Lift 32'	1.00 10.00 HR	29.700		149 149					297
8SMTTOOLS	Small Tools	4.00 40.00 HR	10.000		400					400
8TPU	Pickup Truck	1.00 10.00 HR	9.870		34 65					99
8ZG050	Genset - 50 kW	1.00 10.00 HR	19.700		45 152					197
8ZTE	Power Tools - Electri	1.00 10.00 HR	10.000		100					100

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/>										
BID ITEM = 6050100			Land Item	SCHEDULE: 1	100					
Description = Excavate Hard Rock - Ripping			Unit =	CY	Takeoff Quan:	100.000	Engr Quan:	0.000		
NY1	Foreman	1.00	10.00 MH	42.000	949					949
NY2	General Labor	4.00	40.00 MH	38.000	3,591					3,591
NY3	Skilled Labor / Operat	5.00	50.00 MH	40.000	4,616					4,616
\$22,704.89	1.0000 MH/LF	100.0000	MH	[39.4]	9,155	11,000	1,692	858		22,705
10.0000	Units/H*	100.0000	Un/Shift	1.0000 Unit/M	91.55	110.00	16.92	8.58		227.05
<hr/>										
=====> Item Totals: 6050100 - Excavate Hard Rock - Ripping										
\$36,139.86	1.6667 MH/CY	166.67	MH	[63.77]	15,018	11,000	3,277	1,845	5,000	36,140
361.399	100 CY				150.18	110.00	32.77	18.45	50.00	361.40
<hr/>										

BID ITEM = 6050200			Land Item	SCHEDULE: 1	100					
Description = Excavate Hard Rock - Drill / Blast			Unit =	CY	Takeoff Quan:	2,300.000	Engr Quan:	0.000		
<hr/>										
10000	Furnish Materials			Quan:	1.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
3ANFO	Anfo - Blast Powder	24,000.00	LB	3.250			78,000			78,000
3BCAP	Blast Caps	250.00	EA	25.000			6,250			6,250
3DRILLBITS	Drill Bits	25.00	EA	1,500.000			37,500			37,500
3DRILLSTEEL	Drill Steel	6,250.00	LF	17.000			106,250			106,250
\$228,000.00				[]			228,000			228,000
							228,000.00			228,000.00
<hr/>										
10025	Site Set Up			Quan:	1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
4SITESETUP	Site Set Up	1.00	LS	50,000.000					50,000	50,000
<hr/>										
10035	Survey			Quan:	2,500.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>SRVY</u>	Survey Crew		25.00	CH	Prod: 100.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	2.00	
8ADDSTM	Addon - Small Tool&	1.00	25.00	HR	2.650			54	13	66

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/>										
BID ITEM = 6050200		Land Item		SCHEDULE: 1	100					
Description = Excavate Hard Rock - Drill / Blast		Unit =		CY	Takeoff Quan:	2,300.000	Engr Quan:	0.000		
8SURVYT	Survey Tools	1.00	25.00 HR	25.000			250	375		625
LAB-A	General Labor - Appr	1.00	25.00 MH	28.430	1,940					1,940
LAB-F	General Labor - Fore	1.00	25.00 MH	34.000	2,117					2,117
LAB-J	General Labor - Class	1.00	25.00 MH	33.460	2,100					2,100
\$6,848.31	0.0300 MH/SF	75.0000	MH	[0.959]	6,157		304	388		6,848
100.0000	Units/H*	1,000.0000	Un/Shift	33.3333 Unit/M	2.46		0.12	0.16		2.74
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10050	Drill Holes	Quan: 6,250.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>DB2</u>	Drill Blast - Drill Holes	125.00	CH	Prod: 50.0000 UH	Lab Pcs:	4.00	Eqp Pcs:	4.00		
8AC900	Air Compressor - 900	1.00	125.00 HR	88.850			4,375	6,731		11,106
8ADDSTM	Addon - Small Tool&	1.00	125.00 HR	2.650			269	63		331
8ZAIRD	Air Track Drill 4"	1.00	125.00 HR	161.050			14,375	5,756		20,131
8ZAIRH	Air Tools- Hose 50'l x	1.00	125.00 HR	0.510			58	6		64
LAB-F	General Labor - Fore	1.00	125.00 MH	34.000	10,586					10,586
LAB-J	General Labor - Class	1.00	125.00 MH	33.460	10,500					10,500
OP-2	Operator - Medium E	1.00	125.00 MH	43.500	12,096					12,096
OP-OIL	Equip Oiler	1.00	125.00 MH	43.780	12,140					12,140
\$76,954.23	0.0800 MH/LF	500.0000	MH	[3.095]	45,322		19,076	12,556		76,954
50.0000	Units/H*	500.0000	Un/Shift	12.5000 Unit/M	7.25		3.05	2.01		12.31
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10055	Charge Holes	Quan: 250.00 EA		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>DB3</u>	Drill Blast - Charge Holes	25.00	CH	Prod: 10.0000 UH	Lab Pcs:	3.00	Eqp Pcs:	2.00		
8ADDSTM	Addon - Small Tool&	1.00	25.00 HR	2.650			54	13		66
8MNCHARGE	Dyno Charger	1.00	25.00 HR	31.580			371	419		790
LAB-A	General Labor - Appr	1.00	25.00 MH	28.430	1,940					1,940
LAB-F	General Labor - Fore	1.00	25.00 MH	34.000	2,117					2,117
LAB-J	General Labor - Class	1.00	25.00 MH	33.460	2,100					2,100
\$7,012.81	0.3000 MH/EA	75.0000	MH	[9.589]	6,157		425	431		7,013
10.0000	Units/H*	100.0000	Un/Shift	3.3333 Unit/M	24.63		1.70	1.73		28.05

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 = 6050200			Land Item	SCHEDULE:	1	100							
Description = Excavate Hard Rock - Drill / Blast				Unit =	CY	Takeoff Quan:	2,300.000		Engr Quan:		0.000		
<hr/>													
10060	Blast				Quan:	1.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<u>DB3</u>	Drill Blast - Charge Holes		10.00	CH	Prod:	1.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00			
8ADDSTM	Addon - Small Tool&	1.00	10.00	HR	2.650				22	5			27
8MNCHARGE	Dyno Charger	1.00	10.00	HR	31.580				148	168			316
LAB-A	General Labor - Appr	1.00	10.00	MH	28.430		776						776
LAB-F	General Labor - Fore	1.00	10.00	MH	34.000		847						847
LAB-J	General Labor - Class	1.00	10.00	MH	33.460		840						840
\$2,805.13	30.0000 MH/EA		30.0000	MH	[958.9]		2,463		170	173			2,805
0.1000	Units/H	1.0000	Un/Shift	0.0333	Unit/M		2,462.83		169.80	172.50			2,805.13
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10100	Remove Spoils				Quan:	2,300.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<u>DBEX</u>	Drill Blast Excavate		460.00	CH	Prod:	5.0000 UH	Lab Pcs:	11.00	Eqp Pcs:	8.00			
4HAUL	Hauling - Sub		2,300.00	CY	100.000							230,000	230,000
8AC900	Air Compressor - 900	1.00	460.00	HR	88.850				16,100	24,771			40,871
8EX375	CAT 375 Excavator (1.00	460.00	HR	100.000				36,800	9,200			46,000
8GEN1000	Generators 1000 KW	1.00	460.00	HR	35.000				9,200	6,900			16,100
8LT963	CAT 963 Track Load	1.00	460.00	HR	51.170				18,294	5,244			23,538
8TDUMP18	725 Dump Truck 18.8	4.00	1,840.00	HR	102.390				105,598	82,800			188,398
LAB-A	General Labor - Appr	1.00	460.00	MH	28.430		35,696						35,696
LAB-F	General Labor - Fore	1.00	460.00	MH	34.000		38,955						38,955
LAB-J	General Labor - Class	1.00	460.00	MH	33.460		38,639						38,639
OP-2	Operator - Medium E	2.00	920.00	MH	43.500		89,026						89,026
OP-LHD	Operator - Load, Haul	4.00	1,840.00	MH	45.000		181,563						181,563
OP-OIL	Equip Oiler	2.00	920.00	MH	43.780		89,354						89,354
\$1,018,139.80	2.2000 MH/CY		5,060.0000	MH	[90.09]		473,233		185,992	128,915	230,000		1,018,140
5.0000	Units/H*	50.0000	Un/Shift	0.4545	Unit/M		205.75		80.87	56.05	100.00		442.67

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 = 6050200	Land Item	SCHEDULE:	1	100		
Description = Excavate Hard Rock - Drill / Blast		Unit =	CY	Takeoff Quan:	2,300.000	Engr Quan: 0.000

Rock Fence, Finish, Slope Protect			Quan:	100.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287	
PL1	Place - Install Material	10.00	CH	Prod: 10.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00		
2FENCE	Perm Barrier Fenc@1	100.00	LF	100.000	11,000			11,000
8CRBMTRK	Boom Truck 20 ton	1.00	10.00 HR	102.630		664	363	1,026
8LFORK	Fork Lift	1.00	10.00 HR	43.060		301	130	431
8LIFTS32	Scissor Lift 32'	1.00	10.00 HR	29.700		149	149	297
8SMTTOOLS	Small Tools	4.00	40.00 HR	10.000		400		400
8TPU	Pickup Truck	1.00	10.00 HR	9.870		34	65	99
8ZG050	Genset - 50 kW	1.00	10.00 HR	19.700		45	152	197
8ZTE	Power Tools - Electri	1.00	10.00 HR	10.000		100		100
NY1	Foreman	1.00	10.00 MH	42.000	949			949
NY2	General Labor	4.00	40.00 MH	38.000	3,591			3,591
NY3	Skilled Labor / Operat	5.00	50.00 MH	40.000	4,616			4,616
\$22,704.89	1.0000 MH/LF	100.0000	MH	[39.4]	9,155	11,000	1,692	858
10.0000	Units/H*	100.0000	Un/Shift	1.0000 Unit/M	91.55	110.00	16.92	8.58

=====> Item Totals: 6050200 - Excavate Hard Rock - Drill / Blast										
\$1,412,465.17	2.5391 MH/CY	5,840.00 MH	[102.714]	542,487	11,000	228,000	207,658	143,320	280,000	1,412,465
614.115	2300 CY			235.86	4.78	99.13	90.29	62.31	121.74	614.12

Total of Above Sub-Biditems

[illegible]

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 6060000

Description = Demolitions Unit = LS Takeoff Quan: 0.000 Engr Quan: 0.000

Listing of Sub-Biditems of Parent Item 6060000:

PARENT ITEM 6060100

Description = Structure Demolition & Removal Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 6060100:

BID ITEM = 6060101

Description = Bridge Demolition Land Item SCHEDULE: 1 100 100
Unit = SF Takeoff Quan: 5,000.000 Engr Quan: 0.000

10000	SWPP and Environmental Protection	Quan: 1.00	LS	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
4SWPP	Storm Water Prevent	1.00	LS	20,000.000			20,000	20,000

10050	Deck Removal	Quan: 5,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>DEMOBR</u>	Bridge Demolition Crew	100.00	CH	Prod: 50.0000	UH	Lab Pcs: 11.00	Eqp Pcs: 10.00	
4HAULC	Concrete Haul Sub	600.00	CY	65.000				39,000 39,000
8ADDSTM	Addon - Small Tool&	1.00	100.00	HR	2.650		215 50	265
8ATTHMB	Thumb Attachment	1.00	100.00	HR	70.000		4,500 2,500	7,000
8CRNM100T	Manitowoc 11000 10	1.00	100.00	HR	150.000		10,000 5,000	15,000
8DMOB	Demo Breaking Attac	1.00	100.00	HR	65.000		5,000 1,500	6,500
8EX350	CAT 350 3 CY Exca	1.00	100.00	HR	220.400		11,425 10,615	22,040
8L963C	CAT 963C Track Loa	1.00	100.00	HR	61.680		5,028 1,140	6,168
8WELDRK	Weld Truck/ Marine	1.00	100.00	HR	55.000		5,000 500	5,500
8WLD500	Welder - 500 Amp Di	1.00	100.00	HR	13.810		131 1,250	1,381
8ZCT	Cutting Torches	2.00	200.00	HR	9.318		244 1,620	1,864
LAB	Laborer	4.00	400.00	MH	25.890	29,946		29,946
LABF	Labor Foreman	1.00	100.00	MH	26.890	7,614		7,614
OP-2	Operator - Medium E	2.00	200.00	MH	43.500	19,354		19,354

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/>											
BID ITEM = 6060101											
Description = Bridge Demolition											
			Land Item	SCHEDULE: 1	100			100			
			Unit =	SF	Takeoff Quan:	5,000.000		Engr Quan:		0.000	
OP-CR2	Operator - Crane Hea	2.00	200.00 MH	47.300	20,320						20,320
OP-OIL	Equip Oiler	1.00	100.00 MH	43.780	9,712						9,712
WLD	WELDERS	1.00	100.00 MH	40.000	9,232						9,232
\$200,894.86	0.2200 MH/SF	1,100.0000	MH	[7.917]	96,177			41,543	24,175	39,000	200,895
50.0000	Units/H*	500.0000	Un/Shift	4.5455 Unit/M	19.24			8.31	4.84	7.80	40.18

10100	Pier Removals			Quan: 250.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>DEMOBR</u>	Bridge Demolition Crew		10.00 CH	Prod: 25.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 10.00					
4HAULC	Concrete Haul Sub		250.00 CY	65.000						16,250	16,250
8ADDSTM	Addon - Small Tool&	1.00	10.00 HR	2.650			22	5			27
8ATTHMB	Thumb Attachment	1.00	10.00 HR	70.000			450	250			700
8CRNM100T	Manitowoc 11000 10	1.00	10.00 HR	150.000			1,000	500			1,500
8DMOB	Demo Breaking Attac	1.00	10.00 HR	65.000			500	150			650
8EX350	CAT 350 3 CY Exca	1.00	10.00 HR	220.400			1,143	1,062			2,204
8L963C	CAT 963C Track Loa	1.00	10.00 HR	61.680			503	114			617
8WELDTRK	Weld Truck/ Marine	1.00	10.00 HR	55.000			500	50			550
8WLD500	Welder - 500 Amp Di	1.00	10.00 HR	13.810			13	125			138
8ZCT	Cutting Torches	2.00	20.00 HR	9.318			24	162			186
LAB	Laborer	4.00	40.00 MH	25.890	2,995						2,995
LABF	Labor Foreman	1.00	10.00 MH	26.890	761						761
OP-2	Operator - Medium E	2.00	20.00 MH	43.500	1,935						1,935
OP-CR2	Operator - Crane Hea	2.00	20.00 MH	47.300	2,032						2,032
OP-OIL	Equip Oiler	1.00	10.00 MH	43.780	971						971
WLD	WELDERS	1.00	10.00 MH	40.000	923						923
\$32,439.48	0.4400 MH/CY	110.0000	MH	[15.833]	9,618		4,154	2,418	16,250		32,439
25.0000	Units/H*	250.0000	Un/Shift	2.2727 Unit/M	38.47		16.62	9.67	65.00		129.76

10150	Abutment Removal			Quan: 500.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>DEMOBR</u>	Bridge Demolition Crew		20.00 CH	Prod: 25.0000 UH	Lab Pcs: 11.00	Eqp Pcs: 10.00					

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/>											
BID ITEM = 6060101											
Description = Bridge Demolition											
			Land Item	SCHEDULE: 1	100			100			
			Unit =	SF	Takeoff Quan:	5,000.000	Engr Quan:		0.000		
8ADDSTM	Addon - Small Tool&	1.00	20.00 HR	2.650				43	10		53
8ATTHMB	Thumb Attachment	1.00	20.00 HR	70.000				900	500		1,400
8CRNM100T	Manitowoc 11000 10	1.00	20.00 HR	150.000				2,000	1,000		3,000
8DMOB	Demo Breaking Attac	1.00	20.00 HR	65.000				1,000	300		1,300
8EX350	CAT 350 3 CY Exca	1.00	20.00 HR	220.400				2,285	2,123		4,408
8L963C	CAT 963C Track Loa	1.00	20.00 HR	61.680				1,006	228		1,234
8WELDTRK	Weld Truck/ Marine	1.00	20.00 HR	55.000				1,000	100		1,100
8WLD500	Welder - 500 Amp Di	1.00	20.00 HR	13.810				26	250		276
8ZCT	Cutting Torches	2.00	40.00 HR	9.318				49	324		373
LAB	Laborer	4.00	80.00 MH	25.890	5,989						5,989
LABF	Labor Foreman	1.00	20.00 MH	26.890	1,523						1,523
OP-2	Operator - Medium E	2.00	40.00 MH	43.500	3,871						3,871
OP-CR2	Operator - Crane Hea	2.00	40.00 MH	47.300	4,064						4,064
OP-OIL	Equip Oiler	1.00	20.00 MH	43.780	1,942						1,942
WLD	WELDERS	1.00	20.00 MH	40.000	1,846						1,846
\$32,378.97	0.4400 MH/CY	220.0000	MH	[15.833]	19,235			8,309	4,835		32,379
25.0000	Units/H*	250.0000	Un/Shift	2.2727 Unit/M	38.47			16.62	9.67		64.76
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10200	Clean up site			Quan:	1.00 LS	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4CLEANUP	Clean up Site		1.00 LS	15,000.000						15,000	15,000
<hr/>											
=====> Item Totals: 6060101 - Bridge Demolition											
\$300,713.31	0.2860 MH/SF	1,430.00	MH	[10.292]	125,030			54,006	31,428	90,250	300,713
60.143	5000 SF				25.01			10.80	6.29	18.05	60.14
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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/>										
BID ITEM = 6060101		Land Item	SCHEDULE: 1	100				100		
Description = Bridge Demolition			Unit = SF	Takeoff Quan:	5,000.000	Engr Quan:		0.000		
=====> Item Totals: 6060100 - Structure Demolition & Removal										
\$300,713.31	14.3000 MH/SF	1,430.00	MH	[514.579]	125,030		54,006	31,428	90,250	300,713
3,007.133	100 SF				1,250.30		540.06	314.28	902.50	3,007.13
<hr/>										
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BID ITEM = 6060200 Land Item SCHEDULE: 1 100
Description = Pavement Demolition & Removal Unit = SF Takeoff Quan: 5,000.000 Engr Quan: 0.000

10000	Selective Removal, Pavement Lines & Mark			Quan: 5,000.00	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>EX6</u>	Pave Excavation	2.00	CH	Prod: 2,500.0000	UH	Lab Pcs: 5.00	Eqp Pcs: 5.00			
8LINERMVR	HYW Paint Remover	2.00	4.00 HR	115.000			460			460
8SMTTOOLS	Small Tools	2.00	4.00 HR	10.000			40			40
8TPU	Pickup Truck	1.00	2.00 HR	9.870			7	13		20
NY1	Foreman	1.00	2.00 MH	42.000		190				190
NY2	General Labor	2.00	4.00 MH	38.000		359				359
NY3	Skilled Labor / Operat	2.00	4.00 MH	40.000		369				369
\$1,437.81	0.0020 MH/LF	10.0000	MH	[0.079]		918	507	13		1,438
2,500.0000	Units/H*	25,000.0000	Un/Shift	500.0000	Unit/M	0.18	0.10			0.29

10050	Remove Highway Guard Rail			Quan: 5,000.00	LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>EX7</u>	Excavator Crew - Small	66.66	CH	Prod: 75.0019	UH	Lab Pcs: 6.00	Eqp Pcs: 4.00			
4HAUL	Hauling - Sub	5,000.00	LF	3.000					15,000	15,000
8EX225	CAT 225D Excavator	1.00	66.67 HR	49.200			2,651	629		3,280
8SMTTOOLS	Small Tools	2.00	133.33 HR	10.000			1,333			1,333
8TPU	Pickup Truck	1.00	66.67 HR	9.870			225	433		658
NY1	Foreman	1.00	66.67 MH	42.000		6,324				6,324

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total	
Resource																
<hr/>																
BID ITEM = 6060200			Land Item	SCHEDULE:	1	100										
Description = Pavement Demolition & Removal			Unit =	SF	Takeoff	Quan:	5,000.000	Engr	Quan:	0.000						
NY2	General Labor	3.00	200.00	MH	38.000	17,954										17,954
NY3	Skilled Labor / Operat	2.00	133.33	MH	40.000	12,309										12,309
\$56,858.71	0.0800 MH/LF	400.0000	MH	[3.147]	36,587	4,209	1,062	15,000	56,859							
75.0075	Units/H*	750.0750	Un/Shift	12.5000	Unit/M	7.32	0.84	0.21	3.00	11.37						
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10100	Pavement Removals					Quan: 5,000.00	SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287						
<u>EX8</u>	Pavement Removal	10.00	CH	Prod: 500.0000	UH	Lab Pcs:	10.00	Eqp Pcs:	12.00							
8AC900	Air Compressor - 900	1.00	10.00	HR	88.850	350	539	889								
8ADDSTM	Addon - Small Tool&	1.00	10.00	HR	2.650	22	5	27								
8APRC	Asphalt Reclaimer (w/	1.00	10.00	HR	215.000	1,250	900	2,150								
8APRS	Roadway Saw (w/Bla	1.00	10.00	HR	15.000	25	125	150								
8EX350	CAT 350 3 CY Exca	1.00	10.00	HR	220.400	1,143	1,062	2,204								
8L950	CAT 950H Wheel Lo	2.00	20.00	HR	66.160	744	579	1,323								
8SMTTOOLS	Small Tools	2.00	20.00	HR	10.000	200		200								
8TPU	Pickup Truck	1.00	10.00	HR	9.870	34	65	99								
8ZHMR1	Hydraulic Hammer 12	1.00	10.00	HR	12.660	91	36	127								
8ZTA	Power Tools - Air	1.00	10.00	HR	10.000	100		100								
LAB-A	General Labor - Appr	2.00	20.00	MH	28.430	1,552		1,552								
LAB-F	General Labor - Fore	1.00	10.00	MH	34.000	847		847								
LAB-J	General Labor - Class	4.00	40.00	MH	33.460	3,360		3,360								
OP-2	Operator - Medium E	2.00	20.00	MH	43.500	1,935		1,935								
OP-OIL	Equip Oiler	1.00	10.00	MH	43.780	971		971								
\$15,932.86	0.0200 MH/SF	100.0000	MH	[0.711]	8,665	3,958	3,310	15,933								
500.0000	Units/H*	5,000.0000	Un/Shift	50.0000	Unit/M	1.73	0.79	0.66	3.19							
<hr/>																
=====> Item Totals:		6060200	- Pavement Demolition & Removal													
\$74,229.38	0.1020 MH/SF	510.00	MH	[3.937]	46,171	8,674	4,385	15,000	74,229							
14.846	5000 SF				9.23	1.73	0.88	3.00	14.85							
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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 = 6060200

Description = Pavement Demolition & Removal

Land Item

SCHEDULE: 1

100

Unit = SF

Takeoff Quan: 5,000.000

Engr Quan:

0.000

Total of Above Sub-Biditems

=====> Item Totals:

6060000 - Demolitions

\$374,942.69

MH/LS

1,940.00 MH

[]

171,201

62,679

35,813

105,250

374,943

0.000

0 LS

Total of Above Sub-Biditems

=====> Item Totals:

6000000 - Earthwork & Demolitions

\$4,483,359.45

MH/LS

32,689.50 MH

[]

2,991,914

22,000

228,000

540,966

309,179

391,300

4,483,359

0.000

0 LS

PARENT ITEM 8000000

Description = Drainage

Unit = LF

Takeoff Quan: 100.000

Engr Quan:

100.000

Listing of Sub-Biditems of Parent Item 8000000:

PARENT ITEM 8010000

Description = Drainage

Unit = LF

Takeoff Quan: 100.000

Engr Quan:

100.000

Listing of Sub-Biditems of Parent Item 8010000:

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 = 8010100

Description = Removal Pipe

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10200	Excavate Trench - 6' x 4'	Quan: 90.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287						
<u>EXTR1</u>	Excavate Trench	2.25	CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
4HAULP	Haul Pipe	100.00	LF	5.000					500	500
8AC900	Air Compressor - 900	1.00	2.25	HR			79	121		200
8ATTHMB	Thumb Attachment	1.00	2.25	HR			101	56		158
8EXGRDALL	Gradall 3 CY	1.00	2.25	HR			257	239		496
8GEN800	Generators 800 KW	1.00	2.25	HR			34	23		56
8RWKWM	Walk Behind Whacke	1.00	2.25	HR			18	12		30
8ZSRVLZ	Pipe laser	1.00	2.25	HR			10	3		13
8ZTA	Power Tools - Air	1.00	2.25	HR			23			23
8ZTBOX	Trench box	1.00	2.25	HR			22			22
LAB-A	General Labor - Appr	2.00	4.50	MH	349					349
LAB-F	General Labor - Fore	1.00	2.25	MH	191					191
LAB-J	General Labor - Class	4.00	9.00	MH	756					756
OP-2	Operator - Medium E	2.00	4.50	MH	435					435
OP-OIL	Equip Oiler	1.00	2.25	MH	43.780					219
\$3,446.33	0.2500 MH/CY	22.5000	MH	[8.887]	1,950		543	453	500	3,446
40.0000	Units/H*	400.0000	Un/Shift	4.0000 Unit/M	21.66		6.03	5.04	5.56	38.29

10300	Earthwork Fill	Quan: 111.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287						
<u>EXTR1</u>	Excavate Trench	2.22	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2FILL	Fill - Borrow@110%	19.26	CY	10.000	212					212
8AC900	Air Compressor - 900	1.00	2.22	HR			78	120		197
8ATTHMB	Thumb Attachment	1.00	2.22	HR			100	56		155
8EXGRDALL	Gradall 3 CY	1.00	2.22	HR			254	236		489
8GEN800	Generators 800 KW	1.00	2.22	HR			33	22		56
8RWKWM	Walk Behind Whacke	1.00	2.22	HR			18	12		29
8ZSRVLZ	Pipe laser	1.00	2.22	HR			10	3		12

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/>										
BID ITEM = 8010100			Land Item	SCHEDULE: 1	100					
Description = Removal Pipe			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZTA	Power Tools - Air	1.00	2.22 HR	10.000				22		22
8ZTBOX	Trench box	1.00	2.22 HR	9.900				22		22
LAB-A	General Labor - Appr	2.00	4.44 MH	28.430	345					345
LAB-F	General Labor - Fore	1.00	2.22 MH	34.000	188					188
LAB-J	General Labor - Class	4.00	8.88 MH	33.460	746					746
OP-2	Operator - Medium E	2.00	4.44 MH	43.500	430					430
OP-OIL	Equip Oiler	1.00	2.22 MH	43.780	216					216
\$3,118.90	0.2000 MH/CY	22.2000	MH	[7.11]	1,924	212		536	447	3,119
50.0000	Units/H*	500.0000	Un/Shift	5.0000 Unit/M	17.33	1.91		4.83	4.03	28.10
<hr/>										
=====> Item Totals: 8010100 - Removal Pipe										
\$6,565.23	0.4470 MH/LF	44.70	MH	[15.89]	3,873	212		1,079	901	500
65.652	100 LF				38.73	2.12		10.79	9.01	5.00
										6,565
										65.65
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BID ITEM = 8010200			Land Item	SCHEDULE: 1	100					
Description = Water Quality Treatment Zones			Unit = SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000			
<hr/>										
10100	Earthwork			Quan: 1,851.00 CY	Hrs/Shft: 10.00	Cal: 510	WC: NYI287			
<u>EX5</u>	Excavator Crew - Medium		74.04 CH	Prod: 25.0000 UH	Lab Pcs:	5.00	Eqp Pcs:	4.00		
8EX350	CAT 350 3 CY Exca	1.00	74.04 HR	220.400			8,459	7,859		16,318
8SMTTOOLS	Small Tools	2.00	148.08 HR	10.000			1,481			1,481
8TPU	Pickup Truck	1.00	74.04 HR	9.870			250	481		731
LAB-A	General Labor - Appr	1.00	74.04 MH	28.430	5,746					5,746
LAB-F	General Labor - Fore	1.00	74.04 MH	34.000	6,270					6,270
LAB-J	General Labor - Class	1.00	74.04 MH	33.460	6,219					6,219
OP-2	Operator - Medium E	1.00	74.04 MH	43.500	7,165					7,165
OP-OIL	Equip Oiler	1.00	74.04 MH	43.780	7,191					7,191

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 = 8010200			Land Item	SCHEDULE: 1	100					
Description = Water Quality Treatment Zones			Unit =	SF	Takeoff Quan:	10,000.000	Engr Quan:	0.000		
\$51,120.47	0.2000 MH/CY	370.2000	MH	[7.327]	32,590		10,189	8,341		51,120
25.0000	Units/H*	250.0000	Un/Shift	5.0000 Unit/M	17.61		5.50	4.51		27.62
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10200	Piping			Quan: 250.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4HDPEs	HDPE Install Sub	250.00	LF	175.000					43,750	43,750
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10300	Connections			Quan: 2.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4MHS	Manhole Sub	2.00	EA	5,000.000					10,000	10,000
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10400	Landscape			Quan: 10,000.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
2LAND	Landscape@110%	10,000.00	SF	2.000		22,000				22,000
<hr/>										
=====> Item Totals: 8010200 - Water Quality Treatment Zones										
\$126,870.47	0.0370 MH/SF	370.20	MH	[1.356]	32,590	22,000	10,189	8,341	53,750	126,870
12.687	10000 SF				3.26	2.20	1.02	0.83	5.38	12.69
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BID ITEM = 8010300			Land Item	SCHEDULE: 1	100					
Description = RCP Drainage Pipe 48"			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
10100	Trench - 8' x 6'				Quan: 178.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>EXTR1</u>	Excavate Trench		4.45	CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00			
8AC900	Air Compressor - 900	1.00	4.45	HR	88.850		156	240		395
8ATTHMB	Thumb Attachment	1.00	4.45	HR	70.000		200	111		312
8EXGRDALL	Gradall 3 CY	1.00	4.45	HR	220.400		508	472		981
8GEN800	Generators 800 KW	1.00	4.45	HR	25.000		67	45		111
8RWKWM	Walk Behind Whacke	1.00	4.45	HR	13.250		35	24		59
8ZSRVLZ	Pipe laser	1.00	4.45	HR	5.560		19	5		25

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/>										
BID ITEM = 8010300			Land Item	SCHEDULE: 1	100					
Description = RCP Drainage Pipe 48"			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZTA	Power Tools - Air	1.00	4.45 HR	10.000			45			45
8ZTBOX	Trench box	1.00	4.45 HR	9.900			44			44
LAB-A	General Labor - Appr	2.00	8.90 MH	28.430	691					691
LAB-F	General Labor - Fore	1.00	4.45 MH	34.000	377					377
LAB-J	General Labor - Class	4.00	17.80 MH	33.460	1,495					1,495
OP-2	Operator - Medium E	2.00	8.90 MH	43.500	861					861
OP-OIL	Equip Oiler	1.00	4.45 MH	43.780	432					432
\$5,827.21	0.2500 MH/CY	44.5000	MH	[8.887]	3,856		1,074	897		5,827
40.0000	Units/H*	400.0000	Un/Shift	4.0000 Unit/M	21.66		6.03	5.04		32.74
<hr/>										
10200	Sub-base - Pipe Bed 1' x 5'			Quan: 23.00 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>EXTR1</u>	Excavate Trench		1.53 CH	Prod: 15.0003 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2PIPEBED	Pipe Bedding@ 110%		23.00 CY	50.000	1,265					1,265
8AC900	Air Compressor - 900	1.00	1.53 HR	88.850			54	82		136
8ATTHMB	Thumb Attachment	1.00	1.53 HR	70.000			69	38		107
8EXGRDALL	Gradall 3 CY	1.00	1.53 HR	220.400			175	162		337
8GEN800	Generators 800 KW	1.00	1.53 HR	25.000			23	15		38
8RWKWM	Walk Behind Whacke	1.00	1.53 HR	13.250			12	8		20
8ZSRVLZ	Pipe laser	1.00	1.53 HR	5.560			7	2		9
8ZTA	Power Tools - Air	1.00	1.53 HR	10.000			15			15
8ZTBOX	Trench box	1.00	1.53 HR	9.900			15			15
LAB-A	General Labor - Appr	2.00	3.07 MH	28.430	238					238
LAB-F	General Labor - Fore	1.00	1.53 MH	34.000	130					130
LAB-J	General Labor - Class	4.00	6.13 MH	33.460	515					515
OP-2	Operator - Medium E	2.00	3.07 MH	43.500	297					297
OP-OIL	Equip Oiler	1.00	1.53 MH	43.780	149					149
\$3,271.08	0.6665 MH/CY	15.3300	MH	[23.693]	1,328	1,265	369	308		3,271
15.0327	Units/H*	150.3268	Un/Shift	1.5003 Unit/M	57.76	55.00	16.06	13.41		142.22

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 = 8010300

Description = RCP Drainage Pipe 48"

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10300 Lay Pipe Quan: 100.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>EXTR1</u>	Excavate Trench	5.00	CH	Prod: 20.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00			
2PIPERCP48	48" RCP Pipe@110%	100.00	LF	125.000	13,750				13,750
8AC900	Air Compressor - 900	1.00	5.00 HR	88.850		175	269		444
8ATTHMB	Thumb Attachment	1.00	5.00 HR	70.000		225	125		350
8EXGRDALL	Gradall 3 CY	1.00	5.00 HR	220.400		571	531		1,102
8GEN800	Generators 800 KW	1.00	5.00 HR	25.000		75	50		125
8RWKWM	Walk Behind Whacke	1.00	5.00 HR	13.250		40	27		66
8ZSRVLZ	Pipe laser	1.00	5.00 HR	5.560		22	6		28
8ZTA	Power Tools - Air	1.00	5.00 HR	10.000		50			50
8ZTBOX	Trench box	1.00	5.00 HR	9.900		50			50
LAB-A	General Labor - Appr	2.00	10.00 MH	28.430	776				776
LAB-F	General Labor - Fore	1.00	5.00 MH	34.000	423				423
LAB-J	General Labor - Class	4.00	20.00 MH	33.460	1,680				1,680
OP-2	Operator - Medium E	2.00	10.00 MH	43.500	968				968
OP-OIL	Equip Oiler	1.00	5.00 MH	43.780	486				486
\$20,297.46	0.5000 MH/LF	50.0000	MH	[17.774]	4,333	13,750	1,207	1,008	20,297
20.0000	Units/H*	200.0000	Un/Shift	2.0000 Unit/M	43.33	137.50	12.07	10.08	202.97

10400 Backfill - Pipe Cover Quan: 87.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

<u>EXTR1</u>	Excavate Trench	0.00	CH	Prod: 0.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00			
2PIPCOVER	Pipe Cover@110%	87.00	CY	40.000	3,828				3,828
8AC900	Air Compressor - 900	1.00	0.00 HR	88.850					
8ATTHMB	Thumb Attachment	1.00	0.00 HR	70.000					
8EXGRDALL	Gradall 3 CY	1.00	0.00 HR	220.400					
8GEN800	Generators 800 KW	1.00	0.00 HR	25.000					
8RWKWM	Walk Behind Whacke	1.00	0.00 HR	13.250					
8ZSRVLZ	Pipe laser	1.00	0.00 HR	5.560					

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/>										
BID ITEM = 8010300			Land Item	SCHEDULE: 1	100					
Description = RCP Drainage Pipe 48"			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZTA	Power Tools - Air	1.00	0.00 HR	10.000						
8ZTBOX	Trench box	1.00	0.00 HR	9.900						
LAB-A	General Labor - Appr	2.00	0.00 MH	28.430						
LAB-F	General Labor - Fore	1.00	0.00 MH	34.000						
LAB-J	General Labor - Class	4.00	0.00 MH	33.460						
OP-2	Operator - Medium E	2.00	0.00 MH	43.500						
OP-OIL	Equip Oiler	1.00	0.00 MH	43.780						
\$3,828.00				[]		3,828				3,828
						44.00				44.00

10500	Backfill Trench			Quan: 23.00 CY	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>EXTR1</u>	Excavate Trench		0.92 CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
8AC900	Air Compressor - 900	1.00	0.92 HR	88.850		32	50			82
8ATTHMB	Thumb Attachment	1.00	0.92 HR	70.000		41	23			64
8EXGRDALL	Gradall 3 CY	1.00	0.92 HR	220.400		105	98			203
8GEN800	Generators 800 KW	1.00	0.92 HR	25.000		14	9			23
8RWKWM	Walk Behind Whacke	1.00	0.92 HR	13.250		7	5			12
8ZSRVLZ	Pipe laser	1.00	0.92 HR	5.560		4	1			5
8ZTA	Power Tools - Air	1.00	0.92 HR	10.000		9				9
8ZTBOX	Trench box	1.00	0.92 HR	9.900		9				9
LAB-A	General Labor - Appr	2.00	1.84 MH	28.430	143					143
LAB-F	General Labor - Fore	1.00	0.92 MH	34.000	78					78
LAB-J	General Labor - Class	4.00	3.68 MH	33.460	309					309
OP-2	Operator - Medium E	2.00	1.84 MH	43.500	178					178
OP-OIL	Equip Oiler	1.00	0.92 MH	43.780	89					89
\$1,204.69	0.4000 MH/CY	9.2000	MH	[14.219]	797	222	185			1,205
25.0000	Units/H*	250.0000	Un/Shift	2.5000 Unit/M	34.66	9.66	8.06			52.38

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
BID ITEM = 8010300				Land Item	SCHEDULE: 1	100						
Description = RCP Drainage Pipe 48"				Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
10600	Haul Spoils			Quan:	47.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287		
4HAUL	Hauling - Sub		47.00 CY		15.000						705	705
10700	Landscape			Quan:	600.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287		
<u>LSC1</u>	Landscape Crew - medium		1.50 CH	Prod:	400.0000 UH	Lab Pcs:	13.00	Eqp Pcs:	10.00			
2LAND	Landscape@110%		600.00 SF		2.000		1,320					1,320
8EXBC753M	Bobcat 753 no attach	1.00	1.50 HR		10.920				16			16
8EXBCATT	Bobcat Attachments	1.00	1.50 HR		4.540				7			7
8EXGRDALL	Gradall 3 CY	1.00	1.50 HR		220.400				171	159		331
8HYDMLC	Hydro Mulcher	1.00	1.50 HR		60.000				90			90
8SMTTOOLS	Small Tools	4.00	6.00 HR		10.000				60			60
8TPU	Pickup Truck	1.00	1.50 HR		9.870				5	10		15
8TWT3	Water Truck - 3,000	1.00	1.50 HR		74.470				64	47		112
NY1	Foreman	1.00	1.50 MH		42.000		142					142
NY2	General Labor	8.00	12.00 MH		38.000		1,077					1,077
NY3	Skilled Labor / Operat	4.00	6.00 MH		40.000		554					554
\$3,723.74	0.0325 MH/SF		19.5000 MH		[1.265]		1,773	1,320		414	216	3,724
400.0000	Units/H*	4,000.0000	Un/Shift		30.7692 Unit/M		2.96	2.20		0.69	0.36	6.21
=====> Item Totals:		8010300 - RCP Drainage Pipe 48"										
\$38,857.18	1.3853 MH/LF		138.53 MH		[49.903]		12,088	20,163		3,287	2,615	705 38,857
388.572	100 LF						120.88	201.63		32.87	26.15	7.05 388.57

BID ITEM = 8010350 Land Item SCHEDULE: 1 100
Description = RCP Drainage Pipe 30" Unit = LF Takeoff Quan: 100.000 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 = 8010350

Description = RCP Drainage Pipe 30"

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10100 Trench - 6' x 4' Quan: 90.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench	2.25	CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
8AC900	Air Compressor - 900	1.00	2.25 HR	88.850		79	121	200
8ATTHMB	Thumb Attachment	1.00	2.25 HR	70.000		101	56	158
8EXGRDALL	Gradall 3 CY	1.00	2.25 HR	220.400		257	239	496
8GEN800	Generators 800 KW	1.00	2.25 HR	25.000		34	23	56
8RWKWM	Walk Behind Whacke	1.00	2.25 HR	13.250		18	12	30
8ZSRVLZ	Pipe laser	1.00	2.25 HR	5.560		10	3	13
8ZTA	Power Tools - Air	1.00	2.25 HR	10.000		23		23
8ZTBOX	Trench box	1.00	2.25 HR	9.900		22		22
LAB-A	General Labor - Appr	2.00	4.50 MH	28.430	349			349
LAB-F	General Labor - Fore	1.00	2.25 MH	34.000	191			191
LAB-J	General Labor - Class	4.00	9.00 MH	33.460	756			756
OP-2	Operator - Medium E	2.00	4.50 MH	43.500	435			435
OP-OIL	Equip Oiler	1.00	2.25 MH	43.780	219			219
\$2,946.33	0.2500 MH/CY	22.5000	MH	[8.887]	1,950	543	453	2,946
40.0000	Units/H*	400.0000	Un/Shift	4.0000 Unit/M	21.66	6.03	5.04	32.74

10200 Sub-base - Pipe Bed 1' x 5' Quan: 15.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench	1.00	CH	Prod: 15.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
2PIPEBED	Pipe Bedding@110%		15.00 CY	50.000	825			825
8AC900	Air Compressor - 900	1.00	1.00 HR	88.850		35	54	89
8ATTHMB	Thumb Attachment	1.00	1.00 HR	70.000		45	25	70
8EXGRDALL	Gradall 3 CY	1.00	1.00 HR	220.400		114	106	220
8GEN800	Generators 800 KW	1.00	1.00 HR	25.000		15	10	25
8RWKWM	Walk Behind Whacke	1.00	1.00 HR	13.250		8	5	13
8ZSRVLZ	Pipe laser	1.00	1.00 HR	5.560		4	1	6

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/>										
BID ITEM = 8010350			Land Item	SCHEDULE: 1	100					
Description = RCP Drainage Pipe 30"			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZTA	Power Tools - Air	1.00	1.00 HR	10.000				10		10
8ZTBOX	Trench box	1.00	1.00 HR	9.900				10		10
LAB-A	General Labor - Appr	2.00	2.00 MH	28.430	155					155
LAB-F	General Labor - Fore	1.00	1.00 MH	34.000	85					85
LAB-J	General Labor - Class	4.00	4.00 MH	33.460	336					336
OP-2	Operator - Medium E	2.00	2.00 MH	43.500	194					194
OP-OIL	Equip Oiler	1.00	1.00 MH	43.780	97					97
\$2,134.49	0.6666 MH/CY	10.0000	MH	[23.699]	867	825		241	202	2,134
15.0000	Units/H*	150.0000	Un/Shift	1.5000 Unit/M	57.77	55.00		16.09	13.44	142.30
10300	Lay Pipe			Quan: 100.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>EXTR1</u>	Excavate Trench		5.00 CH	Prod: 20.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2PIPERCP30	RCP 30"@110%		100.00 LF	100.000	11,000					11,000
8AC900	Air Compressor - 900	1.00	5.00 HR	88.850				175	269	444
8ATTHMB	Thumb Attachment	1.00	5.00 HR	70.000				225	125	350
8EXGRDALL	Gradall 3 CY	1.00	5.00 HR	220.400				571	531	1,102
8GEN800	Generators 800 KW	1.00	5.00 HR	25.000				75	50	125
8RWKWM	Walk Behind Whacke	1.00	5.00 HR	13.250				40	27	66
8ZSRVLZ	Pipe laser	1.00	5.00 HR	5.560				22	6	28
8ZTA	Power Tools - Air	1.00	5.00 HR	10.000				50		50
8ZTBOX	Trench box	1.00	5.00 HR	9.900				50		50
LAB-A	General Labor - Appr	2.00	10.00 MH	28.430	776					776
LAB-F	General Labor - Fore	1.00	5.00 MH	34.000	423					423
LAB-J	General Labor - Class	4.00	20.00 MH	33.460	1,680					1,680
OP-2	Operator - Medium E	2.00	10.00 MH	43.500	968					968
OP-OIL	Equip Oiler	1.00	5.00 MH	43.780	486					486
\$17,547.46	0.5000 MH/LF	50.0000	MH	[17.774]	4,333	11,000		1,207	1,008	17,547
20.0000	Units/H*	200.0000	Un/Shift	2.0000 Unit/M	43.33	110.00		12.07	10.08	175.47

**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 = 8010350

Description = RCP Drainage Pipe 30"

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10400 Backfill - Pipe Cover Quan: 34.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench		0.00	CH	Prod: 0.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00	
2PIPCOVER	Pipe Cover@110%		34.00	CY	40.000	1,496		1,496
8AC900	Air Compressor - 900	1.00	0.00	HR	88.850			
8ATTHMB	Thumb Attachment	1.00	0.00	HR	70.000			
8EXGRDALL	Gradall 3 CY	1.00	0.00	HR	220.400			
8GEN800	Generators 800 KW	1.00	0.00	HR	25.000			
8RWKWM	Walk Behind Whacke	1.00	0.00	HR	13.250			
8ZSRVLZ	Pipe laser	1.00	0.00	HR	5.560			
8ZTA	Power Tools - Air	1.00	0.00	HR	10.000			
8ZTBOX	Trench box	1.00	0.00	HR	9.900			
LAB-A	General Labor - Appr	2.00	0.00	MH	28.430			
LAB-F	General Labor - Fore	1.00	0.00	MH	34.000			
LAB-J	General Labor - Class	4.00	0.00	MH	33.460			
OP-2	Operator - Medium E	2.00	0.00	MH	43.500			
OP-OIL	Equip Oiler	1.00	0.00	MH	43.780			
\$1,496.00					[]	1,496		1,496
						44.00		44.00

10500 Backfill Trench Quan: 15.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench		0.60	CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00	
8AC900	Air Compressor - 900	1.00	0.60	HR	88.850		21 32	53
8ATTHMB	Thumb Attachment	1.00	0.60	HR	70.000		27 15	42
8EXGRDALL	Gradall 3 CY	1.00	0.60	HR	220.400		69 64	132
8GEN800	Generators 800 KW	1.00	0.60	HR	25.000		9 6	15
8RWKWM	Walk Behind Whacke	1.00	0.60	HR	13.250		5 3	8
8ZSRVLZ	Pipe laser	1.00	0.60	HR	5.560		3 1	3

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/>										
BID ITEM = 8010350			Land Item	SCHEDULE: 1	100					
Description = RCP Drainage Pipe 30"			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZTA	Power Tools - Air	1.00	0.60 HR	10.000				6		6
8ZTBOX	Trench box	1.00	0.60 HR	9.900				6		6
LAB-A	General Labor - Appr	2.00	1.20 MH	28.430	93					93
LAB-F	General Labor - Fore	1.00	0.60 MH	34.000	51					51
LAB-J	General Labor - Class	4.00	2.40 MH	33.460	202					202
OP-2	Operator - Medium E	2.00	1.20 MH	43.500	116					116
OP-OIL	Equip Oiler	1.00	0.60 MH	43.780	58					58
\$785.69	0.4000 MH/CY	6.0000	MH	[14.219]	520		145	121		786
25.0000	Units/H*	250.0000	Un/Shift	2.5000 Unit/M	34.66		9.66	8.06		52.38
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10600	Haul Spoils			Quan: 27.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4HAUL	Hauling - Sub		27.00 CY	15.000					405	405
<hr/>										
10700	Landscape			Quan: 400.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>LSC1</u>	Landscape Crew - medium		1.00 CH	Prod: 400.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				**Unreviewed
2LAND	Landscape@110%		400.00 SF	2.000	880					880
8EXBC753M	Bobcat 753 no attach	1.00	1.00 HR	10.920				11		11
8EXBCATT	Bobcat Attachments	1.00	1.00 HR	4.540				5		5
8EXGRDALL	Gradall 3 CY	1.00	1.00 HR	220.400				114	106	220
8HYDMLC	Hydro Mulcher	1.00	1.00 HR	60.000				60		60
8SMTTOOLS	Small Tools	4.00	4.00 HR	10.000				40		40
8TPU	Pickup Truck	1.00	1.00 HR	9.870				3	7	10
8TWT3	Water Truck - 3,000	1.00	1.00 HR	74.470				43	32	74
NY1	Foreman	1.00	1.00 MH	42.000	95					95
NY2	General Labor	8.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	4.00	4.00 MH	40.000	369					369
\$2,482.50	0.0325 MH/SF	13.0000	MH	[1.265]	1,182	880		276	144	2,483
400.0000	Units/H*	4,000.0000	Un/Shift	30.7692 Unit/M	2.96	2.20		0.69	0.36	6.21

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit								
Resource		Pcs		Cost	Labor	Material	Matl/Ex	Ownershi	Operatio	Contract		Total
<hr/>												
BID ITEM = 8010350			Land Item	SCHEDULE:	1	100						
Description = RCP Drainage Pipe 30"				Unit = LF	Takeoff	Quan:	100.000	Engr	Quan:	0.000		
<hr/>												
=====> Item Totals: 8010350 - RCP Drainage Pipe 30"												
\$27,797.47	1.0150 MH/LF	101.50	MH	[36.52]	8,851	14,201		2,412	1,928	405		27,797
277.975	100 LF				88.51	142.01		24.12	19.28	4.05		277.97
<hr/>												
BID ITEM = 8010400			Land Item	SCHEDULE:	1	100						
Description = Catch Basins				Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	0.000		
<i>There are no activities in this biditem.</i>												
<hr/>												
BID ITEM = 8010500			Land Item	SCHEDULE:	1	100						
Description = Cross Drains				Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	0.000		
<i>There are no activities in this biditem.</i>												
<hr/>												
BID ITEM = 8010600			Land Item	SCHEDULE:	1	100						
Description = Box Culverts: 6' x 6' Concrete Box				Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	0.000		
<i>There are no activities in this biditem.</i>												
<hr/>												
BID ITEM = 8010700			Land Item	SCHEDULE:	1	100						
Description = Mechanical Sperator Units				Unit = EA	Takeoff	Quan:	1.000	Engr	Quan:	0.000		
<i>There are no activities in this biditem.</i>												
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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 = 8010700

Description = Mechanical Seperator Units

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

Total of Above Sub-Biditems

=====> Item Totals:	8010000 - Drainage									
\$200,090.35	6.5493 MH/LF	654.93	MH	[237.932]	57,403	56,576	16,967	13,784	55,360	200,090
2,000.904	100 LF				574.03	565.76	169.67	137.84	553.60	2,000.90

Total of Above Sub-Biditems

=====> Item Totals:	8000000 - Drainage									
\$200,090.35	6.5493 MH/LF	654.93	MH	[237.932]	57,403	56,576	16,967	13,784	55,360	200,090
2,000.904	100 LF				574.03	565.76	169.67	137.84	553.60	2,000.90

PARENT ITEM 9000000

Description = Utilities

Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 9000000:

PARENT ITEM 9010000

Description = Individual Utilities - (detailed)

Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 9010000:

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 = 9010100

Description = Water - 12" Ductile Iron

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10100 Trench - 6' x 4' Quan: 90.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench		2.25	CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
8AC900	Air Compressor - 900	1.00	2.25	HR	88.850		79	121	200
8ATTHMB	Thumb Attachment	1.00	2.25	HR	70.000		101	56	158
8EXGRDALL	Gradall 3 CY	1.00	2.25	HR	220.400		257	239	496
8GEN800	Generators 800 KW	1.00	2.25	HR	25.000		34	23	56
8RWKWM	Walk Behind Whacke	1.00	2.25	HR	13.250		18	12	30
8ZSRVLZ	Pipe laser	1.00	2.25	HR	5.560		10	3	13
8ZTA	Power Tools - Air	1.00	2.25	HR	10.000		23		23
8ZTBOX	Trench box	1.00	2.25	HR	9.900		22		22
LAB-A	General Labor - Appr	2.00	4.50	MH	28.430	349			349
LAB-F	General Labor - Fore	1.00	2.25	MH	34.000	191			191
LAB-J	General Labor - Class	4.00	9.00	MH	33.460	756			756
OP-2	Operator - Medium E	2.00	4.50	MH	43.500	435			435
OP-OIL	Equip Oiler	1.00	2.25	MH	43.780	219			219
\$2,946.33	0.2500 MH/CY	22.5000	MH	[8.887]	1,950		543	453	2,946
40.0000	Units/H*	400.0000	Un/Shift	4.0000 Unit/M	21.66		6.03	5.04	32.74

10200 Sub-base - Pipe Bed 1' x 4' Quan: 15.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

**Unreviewed

<u>EXTR1</u>	Excavate Trench		1.00	CH	Prod: 15.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
2PIPEBED	Pipe Bedding@110%		15.00	CY	50.000	825			825
8AC900	Air Compressor - 900	1.00	1.00	HR	88.850		35	54	89
8ATTHMB	Thumb Attachment	1.00	1.00	HR	70.000		45	25	70
8EXGRDALL	Gradall 3 CY	1.00	1.00	HR	220.400		114	106	220
8GEN800	Generators 800 KW	1.00	1.00	HR	25.000		15	10	25
8RWKWM	Walk Behind Whacke	1.00	1.00	HR	13.250		8	5	13

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/>										
BID ITEM = 9010100			Land Item	SCHEDULE: 1	100					
Description = Water - 12" Ductile Iron			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZSRVLZ	Pipe laser	1.00	1.00 HR	5.560			4	1		6
8ZTA	Power Tools - Air	1.00	1.00 HR	10.000			10			10
8ZTBOX	Trench box	1.00	1.00 HR	9.900			10			10
LAB-A	General Labor - Appr	2.00	2.00 MH	28.430	155					155
LAB-F	General Labor - Fore	1.00	1.00 MH	34.000	85					85
LAB-J	General Labor - Class	4.00	4.00 MH	33.460	336					336
OP-2	Operator - Medium E	2.00	2.00 MH	43.500	194					194
OP-OIL	Equip Oiler	1.00	1.00 MH	43.780	97					97
\$2,134.49	0.6666 MH/CY	10.0000	MH	[23.699]	867	825	241	202		2,134
15.0000	Units/H*	150.0000	Un/Shift	1.5000 Unit/M	57.77	55.00	16.09	13.44		142.30
<hr/>										
10300	Lay Pipe			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>EXTR1</u>	Excavate Trench		2.00 CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2PIPED112	Ductile Iron Pipe@11		100.00 LF	50.000	5,500					5,500
8AC900	Air Compressor - 900	1.00	2.00 HR	88.850			70	108		178
8ATTHMB	Thumb Attachment	1.00	2.00 HR	70.000			90	50		140
8EXGRDALL	Gradall 3 CY	1.00	2.00 HR	220.400			229	212		441
8GEN800	Generators 800 KW	1.00	2.00 HR	25.000			30	20		50
8RWKWM	Walk Behind Whacke	1.00	2.00 HR	13.250			16	11		27
8ZSRVLZ	Pipe laser	1.00	2.00 HR	5.560			9	2		11
8ZTA	Power Tools - Air	1.00	2.00 HR	10.000			20			20
8ZTBOX	Trench box	1.00	2.00 HR	9.900			20			20
LAB-A	General Labor - Appr	2.00	4.00 MH	28.430	310					310
LAB-F	General Labor - Fore	1.00	2.00 MH	34.000	169					169
LAB-J	General Labor - Class	4.00	8.00 MH	33.460	672					672
OP-2	Operator - Medium E	2.00	4.00 MH	43.500	387					387
OP-OIL	Equip Oiler	1.00	2.00 MH	43.780	194					194
\$8,119.00	0.2000 MH/LF	20.0000	MH	[7.11]	1,733	5,500	483	403		8,119

DIRECT COST REPORT

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

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Constr	Equipme	Equipme	Sub-	
Resource									Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 9010100			Land Item		SCHEDULE: 1		100						
Description = Water - 12" Ductile Iron			Unit =		LF		Takeoff Quan:		100.000		Engr Quan:		0.000
8ZSRVLZ	Pipe laser	1.00	0.60	HR	5.560						3	1	3
8ZTA	Power Tools - Air	1.00	0.60	HR	10.000						6		6
8ZTBOX	Trench box	1.00	0.60	HR	9.900						6		6
LAB-A	General Labor - Appr	2.00	1.20	MH	28.430		93						93
LAB-F	General Labor - Fore	1.00	0.60	MH	34.000		51						51
LAB-J	General Labor - Class	4.00	2.40	MH	33.460		202						202
OP-2	Operator - Medium E	2.00	1.20	MH	43.500		116						116
OP-OIL	Equip Oiler	1.00	0.60	MH	43.780		58						58
\$785.69	0.4000 MH/CY		6.0000	MH	[14.219]		520			145	121		786
25.0000	Units/H*	250.0000	Un/Shift	2.5000	Unit/M		34.66			9.66	8.06		52.38
10600	Haul Spoils				Quan:	6.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
4HAUL	Hauling - Sub		6.00	CY	15.000							90	90
10700	Landscape				Quan:	600.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
LSC1	Landscape Crew - medium		1.50	CH	Prod: 400.0000 UH		Lab Pcs: 13.00	Eqp Pcs: 10.00					
2LAND	Landscape@110%		600.00	SF	2.000		1,320						1,320
8EXBC753M	Bobcat 753 no attach	1.00	1.50	HR	10.920					16			16
8EXBCATT	Bobcat Attachments	1.00	1.50	HR	4.540					7			7
8EXGRDALL	Gradall 3 CY	1.00	1.50	HR	220.400					171	159		331
8HYDMLC	Hydro Mulcher	1.00	1.50	HR	60.000					90			90
8SMTTOOLS	Small Tools	4.00	6.00	HR	10.000					60			60
8TPU	Pickup Truck	1.00	1.50	HR	9.870					5	10		15
8TWT3	Water Truck - 3,000	1.00	1.50	HR	74.470					64	47		112
NY1	Foreman	1.00	1.50	MH	42.000		142						142
NY2	General Labor	8.00	12.00	MH	38.000		1,077						1,077
NY3	Skilled Labor / Operat	4.00	6.00	MH	40.000		554						554
\$3,723.74	0.0325 MH/SF		19.5000	MH	[1.265]		1,773	1,320		414	216		3,724

**Unreviewed

**Unreviewed

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Perm Labor	Material	Constr Matl/Ex Ownershi	Equipme Operatio	Equipme	Sub- Contract	Total
<hr/>											
BID ITEM = 9010100			Land Item	SCHEDULE: 1	100						
Description = Water - 12" Ductile Iron				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
400.0000	Units/H*	4,000.0000	Un/Shift	30.7692	Unit/M	2.96	2.20	0.69	0.36		6.21
<hr/>											
=====> Item Totals:		9010100 - Water - 12" Ductile Iron									
\$20,263.25	0.7800	MH/LF	78.00	MH	[28.386]	6,843	10,109	1,826	1,395	90	20,263
202.633		100 LF				68.43	101.09	18.26	13.95	0.90	202.63
<hr/>											

BID ITEM = 9010200			Land Item	SCHEDULE: 1	100					
Description = Sanitary Sewer - 48" RCP			Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000		

10100	Trench - 8' x 6'			Quan: 178.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
										**Unreviewed
EXTR1	Excavate Trench		4.45	CH	Prod: 40.0000	UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
8AC900	Air Compressor - 900	1.00	4.45	HR	88.850			156	240	395
8ATTHMB	Thumb Attachment	1.00	4.45	HR	70.000			200	111	312
8EXGRDALL	Gradall 3 CY	1.00	4.45	HR	220.400			508	472	981
8GEN800	Generators 800 KW	1.00	4.45	HR	25.000			67	45	111
8RWKWM	Walk Behind Whacke	1.00	4.45	HR	13.250			35	24	59
8ZSRVLZ	Pipe laser	1.00	4.45	HR	5.560			19	5	25
8ZTA	Power Tools - Air	1.00	4.45	HR	10.000			45		45
8ZTBOX	Trench box	1.00	4.45	HR	9.900			44		44
LAB-A	General Labor - Appr	2.00	8.90	MH	28.430	691				691
LAB-F	General Labor - Fore	1.00	4.45	MH	34.000	377				377
LAB-J	General Labor - Class	4.00	17.80	MH	33.460	1,495				1,495
OP-2	Operator - Medium E	2.00	8.90	MH	43.500	861				861
OP-OIL	Equip Oiler	1.00	4.45	MH	43.780	432				432
\$5,827.21	0.2500 MH/CY	44.5000	MH	[8.887]		3,856		1,074	897	5,827
40.0000	Units/H*	400.0000	Un/Shift	4.0000	Unit/M	21.66		6.03	5.04	32.74

**Unreviewed

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	
Resource								Material	Matl/Ex	Ownershi	Operatio	Contract	Total
BID ITEM = 9010200			Land Item	SCHEDULE:	1	100							
Description = Sanitary Sewer - 48" RCP				Unit =	LF	Takeoff Quan:		100.000	Engr Quan:		0.000		
10200	Sub-base - Pipe Bed 1' x 5'			Quan:	23.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
													**Unreviewed
EXTR1	Excavate Trench		1.53	CH	Prod:	15.0003	UH	Lab Pcs:	10.00	Eqp Pcs:	8.00		
2PIPEBED	Pipe Bedding@110%		23.00	CY		50.000		1,265					1,265
8AC900	Air Compressor - 900	1.00	1.53	HR		88.850				54	82		136
8ATTHMB	Thumb Attachment	1.00	1.53	HR		70.000				69	38		107
8EXGRDALL	Gradall 3 CY	1.00	1.53	HR		220.400				175	162		337
8GEN800	Generators 800 KW	1.00	1.53	HR		25.000				23	15		38
8RWKWM	Walk Behind Whacke	1.00	1.53	HR		13.250				12	8		20
8ZSRVLZ	Pipe laser	1.00	1.53	HR		5.560				7	2		9
8ZTA	Power Tools - Air	1.00	1.53	HR		10.000				15			15
8ZTBOX	Trench box	1.00	1.53	HR		9.900				15			15
LAB-A	General Labor - Appr	2.00	3.07	MH		28.430	238						238
LAB-F	General Labor - Fore	1.00	1.53	MH		34.000	130						130
LAB-J	General Labor - Class	4.00	6.13	MH		33.460	515						515
OP-2	Operator - Medium E	2.00	3.07	MH		43.500	297						297
OP-OIL	Equip Oiler	1.00	1.53	MH		43.780	149						149
\$3,271.08	0.6665 MH/CY		15.3300	MH	[23.693]		1,328	1,265		369	308		3,271
15.0327	Units/H*	150.3268	Un/Shift	1.5003	Unit/M		57.76	55.00		16.06	13.41		142.22
10300	Lay Pipe			Quan:	100.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
													**Unreviewed
EXTR1	Excavate Trench		5.00	CH	Prod:	20.0000	UH	Lab Pcs:	10.00	Eqp Pcs:	8.00		
2PIPERCP48	48" RCP Pipe@110%		100.00	LF		125.000		13,750					13,750
8AC900	Air Compressor - 900	1.00	5.00	HR		88.850				175	269		444
8ATTHMB	Thumb Attachment	1.00	5.00	HR		70.000				225	125		350
8EXGRDALL	Gradall 3 CY	1.00	5.00	HR		220.400				571	531		1,102
8GEN800	Generators 800 KW	1.00	5.00	HR		25.000				75	50		125
8RWKWM	Walk Behind Whacke	1.00	5.00	HR		13.250				40	27		66

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/>										
BID ITEM = 9010200			Land Item	SCHEDULE: 1	100					
Description = Sanitary Sewer - 48" RCP			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8ZSRVLZ	Pipe laser	1.00	5.00 HR	5.560			22	6		28
8ZTA	Power Tools - Air	1.00	5.00 HR	10.000			50			50
8ZTBOX	Trench box	1.00	5.00 HR	9.900			50			50
LAB-A	General Labor - Appr	2.00	10.00 MH	28.430	776					776
LAB-F	General Labor - Fore	1.00	5.00 MH	34.000	423					423
LAB-J	General Labor - Class	4.00	20.00 MH	33.460	1,680					1,680
OP-2	Operator - Medium E	2.00	10.00 MH	43.500	968					968
OP-OIL	Equip Oiler	1.00	5.00 MH	43.780	486					486
\$20,297.46	0.5000 MH/LF	50.0000	MH	[17.774]	4,333	13,750	1,207	1,008		20,297
20.0000	Units/H*	200.0000	Un/Shift	2.0000 Unit/M	43.33	137.50	12.07	10.08		202.97

10400 Backfill - Pipe Cover **Quan: 87.00 CY** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

**Unreviewed

<u>EXTR1</u>	Excavate Trench		0.00 CH	Prod: 0.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00		
2PIPCOVER	Pipe Cover@110%		87.00 CY	40.000	3,828			3,828
8AC900	Air Compressor - 900	1.00	0.00 HR	88.850				
8ATTHMB	Thumb Attachment	1.00	0.00 HR	70.000				
8EXGRDALL	Gradall 3 CY	1.00	0.00 HR	220.400				
8GEN800	Generators 800 KW	1.00	0.00 HR	25.000				
8RWKWM	Walk Behind Whacke	1.00	0.00 HR	13.250				
8ZSRVLZ	Pipe laser	1.00	0.00 HR	5.560				
8ZTA	Power Tools - Air	1.00	0.00 HR	10.000				
8ZTBOX	Trench box	1.00	0.00 HR	9.900				
LAB-A	General Labor - Appr	2.00	0.00 MH	28.430				
LAB-F	General Labor - Fore	1.00	0.00 MH	34.000				
LAB-J	General Labor - Class	4.00	0.00 MH	33.460				
OP-2	Operator - Medium E	2.00	0.00 MH	43.500				
OP-OIL	Equip Oiler	1.00	0.00 MH	43.780				
\$3,828.00				[]	3,828			3,828

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
BID ITEM = 9010200			Land Item	SCHEDULE: 1	100					
Description = Sanitary Sewer - 48" RCP				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000	
						44.00				44.00
10500	Backfill Trench			Quan: 23.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>EXTR1</u>	Excavate Trench		0.92 CH	Prod: 25.0000 UH	Lab Pcs:	10.00	Eqp Pcs:	8.00		
8AC900	Air Compressor - 900	1.00	0.92 HR	88.850			32	50		82
8ATTHMB	Thumb Attachment	1.00	0.92 HR	70.000			41	23		64
8EXGRDALL	Gradall 3 CY	1.00	0.92 HR	220.400			105	98		203
8GEN800	Generators 800 KW	1.00	0.92 HR	25.000			14	9		23
8RWKWM	Walk Behind Whacke	1.00	0.92 HR	13.250			7	5		12
8ZSRVLZ	Pipe laser	1.00	0.92 HR	5.560			4	1		5
8ZTA	Power Tools - Air	1.00	0.92 HR	10.000			9			9
8ZTBOX	Trench box	1.00	0.92 HR	9.900			9			9
LAB-A	General Labor - Appr	2.00	1.84 MH	28.430	143					143
LAB-F	General Labor - Fore	1.00	0.92 MH	34.000	78					78
LAB-J	General Labor - Class	4.00	3.68 MH	33.460	309					309
OP-2	Operator - Medium E	2.00	1.84 MH	43.500	178					178
OP-OIL	Equip Oiler	1.00	0.92 MH	43.780	89					89
\$1,204.69	0.4000 MH/CY		9.2000 MH	[14.219]	797		222	185		1,205
25.0000	Units/H*	250.0000	Un/Shift	2.5000 Unit/M	34.66		9.66	8.06		52.38
10600	Haul Spoils			Quan: 47.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
4HAUL	Hauling - Sub		47.00 CY	15.000					705	705
10700	Landscape			Quan: 600.00 SF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<hr/>										
<u>LSC1</u>	Landscape Crew - medium		1.50 CH	Prod: 400.0000 UH	Lab Pcs:	13.00	Eqp Pcs:	10.00		
2LAND	Landscape@110%		600.00 SF	2.000	1,320					1,320
8EXBC753M	Bobcat 753 no attach	1.00	1.50 HR	10.920			16			16

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/>										
BID ITEM = 9010200										
Description = Sanitary Sewer - 48" RCP			Land Item	SCHEDULE: 1	100					
			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
8EXBCATT	Bobcat Attachments	1.00	1.50 HR	4.540				7		7
8EXGRDALL	Gradall 3 CY	1.00	1.50 HR	220.400				171	159	331
8HYDMLC	Hydro Mulcher	1.00	1.50 HR	60.000				90		90
8SMTOOLS	Small Tools	4.00	6.00 HR	10.000				60		60
8TPU	Pickup Truck	1.00	1.50 HR	9.870				5	10	15
8TWT3	Water Truck - 3,000	1.00	1.50 HR	74.470				64	47	112
NY1	Foreman	1.00	1.50 MH	42.000	142					142
NY2	General Labor	8.00	12.00 MH	38.000	1,077					1,077
NY3	Skilled Labor / Operat	4.00	6.00 MH	40.000	554					554
\$3,723.74	0.0325 MH/SF	19.5000	MH	[1.265]	1,773	1,320		414	216	3,724
400.0000	Units/H*	4,000.0000	Un/Shift	30.7692 Unit/M	2.96	2.20		0.69	0.36	6.21
<hr/>										
=====> Item Totals: 9010200 - Sanitary Sewer - 48" RCP										
\$38,857.18	1.3853 MH/LF	138.53	MH	[49.903]	12,088	20,163		3,287	2,615	705 38,857
388.572	100 LF				120.88	201.63		32.87	26.15	7.05 388.57
<hr/>										

BID ITEM = 9010300			Land Item	SCHEDULE:	1	100			
Description = Electric - 12KVA in 4 x 6" conduit			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000	
<i>There are no activities in this biditem.</i>									

BID ITEM = 9010400										
Description = Gas - 8" Steel Pipe			Land Item	SCHEDULE: 1	100					
			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000		

10100 Trench - 6' x 4' Quan: 90.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

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/>											
BID ITEM = 9010400			Land Item	SCHEDULE: 1	100						
Description = Gas - 8" Steel Pipe			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
											**Unreviewed
<u>EXTR1</u>	Excavate Trench	2.25	CH	Prod: 40.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00					
8AC900	Air Compressor - 900	1.00	2.25 HR	88.850		79	121				200
8ATTHMB	Thumb Attachment	1.00	2.25 HR	70.000		101	56				158
8EXGRDALL	Gradall 3 CY	1.00	2.25 HR	220.400		257	239				496
8GEN800	Generators 800 KW	1.00	2.25 HR	25.000		34	23				56
8RWKWM	Walk Behind Whacke	1.00	2.25 HR	13.250		18	12				30
8ZSRVLZ	Pipe laser	1.00	2.25 HR	5.560		10	3				13
8ZTA	Power Tools - Air	1.00	2.25 HR	10.000		23					23
8ZTBOX	Trench box	1.00	2.25 HR	9.900		22					22
LAB-A	General Labor - Appr	2.00	4.50 MH	28.430	349						349
LAB-F	General Labor - Fore	1.00	2.25 MH	34.000	191						191
LAB-J	General Labor - Class	4.00	9.00 MH	33.460	756						756
OP-2	Operator - Medium E	2.00	4.50 MH	43.500	435						435
OP-OIL	Equip Oiler	1.00	2.25 MH	43.780	219						219
\$2,946.33	0.2500 MH/CY	22.5000	MH	[8.887]	1,950	543	453				2,946
40.0000	Units/H*	400.0000	Un/Shift	4.0000 Unit/M	21.66	6.03	5.04				32.74
10200	Sub-base - Pipe Bed 1' x 5'	Quan: 15.00	CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
											**Unreviewed
<u>EXTR1</u>	Excavate Trench	1.00	CH	Prod: 15.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00					
2PIPEBED	Pipe Bedding@110%		15.00 CY	50.000	825						825
8AC900	Air Compressor - 900	1.00	1.00 HR	88.850		35	54				89
8ATTHMB	Thumb Attachment	1.00	1.00 HR	70.000		45	25				70
8EXGRDALL	Gradall 3 CY	1.00	1.00 HR	220.400		114	106				220
8GEN800	Generators 800 KW	1.00	1.00 HR	25.000		15	10				25
8RWKWM	Walk Behind Whacke	1.00	1.00 HR	13.250		8	5				13
8ZSRVLZ	Pipe laser	1.00	1.00 HR	5.560		4	1				6
8ZTA	Power Tools - Air	1.00	1.00 HR	10.000		10					10
8ZTBOX	Trench box	1.00	1.00 HR	9.900		10					10

**Unreviewed

**Unreviewed

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/>										
BID ITEM = 9010400			Land Item	SCHEDULE: 1	100					
Description = Gas - 8" Steel Pipe			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
LAB-A	General Labor - Appr	2.00	2.00 MH	28.430	155					155
LAB-F	General Labor - Fore	1.00	1.00 MH	34.000	85					85
LAB-J	General Labor - Class	4.00	4.00 MH	33.460	336					336
OP-2	Operator - Medium E	2.00	2.00 MH	43.500	194					194
OP-OIL	Equip Oiler	1.00	1.00 MH	43.780	97					97
\$2,134.49	0.6666 MH/CY	10.0000	MH	[23.699]	867	825		241	202	2,134
15.0000	Units/H*	150.0000	Un/Shift	1.5000 Unit/M	57.77	55.00		16.09	13.44	142.30
<hr/>										
10300	Lay Pipe			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>EXTR1</u>	Excavate Trench		5.00 CH	Prod: 20.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2PIPEST8	Steel Pipe - Gas @11		100.00 LF	85.000	9,350					9,350
8AC900	Air Compressor - 900	1.00	5.00 HR	88.850			175	269		444
8ATTHMB	Thumb Attachment	1.00	5.00 HR	70.000			225	125		350
8EXGRDALL	Gradall 3 CY	1.00	5.00 HR	220.400			571	531		1,102
8GEN800	Generators 800 KW	1.00	5.00 HR	25.000			75	50		125
8RWKWM	Walk Behind Whacke	1.00	5.00 HR	13.250			40	27		66
8ZSRVLZ	Pipe laser	1.00	5.00 HR	5.560			22	6		28
8ZTA	Power Tools - Air	1.00	5.00 HR	10.000			50			50
8ZTBOX	Trench box	1.00	5.00 HR	9.900			50			50
LAB-A	General Labor - Appr	2.00	10.00 MH	28.430	776					776
LAB-F	General Labor - Fore	1.00	5.00 MH	34.000	423					423
LAB-J	General Labor - Class	4.00	20.00 MH	33.460	1,680					1,680
OP-2	Operator - Medium E	2.00	10.00 MH	43.500	968					968
OP-OIL	Equip Oiler	1.00	5.00 MH	43.780	486					486
\$15,897.46	0.5000 MH/LF	50.0000	MH	[17.774]	4,333	9,350		1,207	1,008	15,897
20.0000	Units/H*	200.0000	Un/Shift	2.0000 Unit/M	43.33	93.50		12.07	10.08	158.97

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 = 9010400

Description = Gas - 8" Steel Pipe

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10350	Weld Pipe				Quan: 3.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>WLDP</u>	Weld Pipe Crew		5.00 CH	Prod: 0.6000 UH	Lab Pcs: 4.50	Eqp Pcs: 4.00				
8ADDSTM	Addon - Small Tool&	1.00	5.00 HR	2.650		11	3			13
8WELDTRK	Weld Truck/ Marine	1.00	5.00 HR	55.000		250	25			275
8WLD500	Welder - 500 Amp Di	2.00	10.00 HR	13.810		13	125			138
QA	Quality Assurance Ins	1.00	5.00 MH	50.000	250					250
WELD-A	Welder - Apprentice	1.00	5.00 MH	37.400	445					445
WELD-F	Welder - Foreman	0.50	2.50 MH	48.400	258					258
WELD-J	Welder - Journeyman	2.00	10.00 MH	43.400	966					966
\$2,345.30	7.5000 MH/EA	22.5000	MH	[330.667]	1,919	274	153			2,345
0.6000	Units/H*	6.0000	Un/Shift	0.1333 Unit/M	639.65	91.28	50.83			781.77

10400	Backfill - Pipe Cover				Quan: 34.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287		
<u>EXTR1</u>	Excavate Trench		0.00 CH	Prod: 0.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
2PIPCOVER	Pipe Cover@110%		34.00 CY	40.000	1,496					1,496
8AC900	Air Compressor - 900	1.00	0.00 HR	88.850						
8ATTHMB	Thumb Attachment	1.00	0.00 HR	70.000						
8EXGRDALL	Gradall 3 CY	1.00	0.00 HR	220.400						
8GEN800	Generators 800 KW	1.00	0.00 HR	25.000						
8RWKWM	Walk Behind Whacke	1.00	0.00 HR	13.250						
8ZSRVLZ	Pipe laser	1.00	0.00 HR	5.560						
8ZTA	Power Tools - Air	1.00	0.00 HR	10.000						
8ZTBOX	Trench box	1.00	0.00 HR	9.900						
LAB-A	General Labor - Appr	2.00	0.00 MH	28.430						
LAB-F	General Labor - Fore	1.00	0.00 MH	34.000						
LAB-J	General Labor - Class	4.00	0.00 MH	33.460						
OP-2	Operator - Medium E	2.00	0.00 MH	43.500						

**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/>										
BID ITEM = 9010400		Land Item		SCHEDULE: 1	100					
Description = Gas - 8" Steel Pipe		Unit = LF		Takeoff Quan:	100.000	Engr Quan:	0.000			
OP-OIL	Equip Oiler	1.00	0.00 MH	43.780						
\$1,496.00				[]		1,496				1,496
						44.00				44.00
<hr/>										
10500	Backfill Trench	Quan: 15.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>EXTR1</u>	Excavate Trench	0.60	CH	Prod: 25.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 8.00				
8AC900	Air Compressor - 900	1.00	0.60 HR	88.850		21	32			53
8ATTHMB	Thumb Attachment	1.00	0.60 HR	70.000		27	15			42
8EXGRDALL	Gradall 3 CY	1.00	0.60 HR	220.400		69	64			132
8GEN800	Generators 800 KW	1.00	0.60 HR	25.000		9	6			15
8RWKWM	Walk Behind Whacke	1.00	0.60 HR	13.250		5	3			8
8ZSRVLZ	Pipe laser	1.00	0.60 HR	5.560		3	1			3
8ZTA	Power Tools - Air	1.00	0.60 HR	10.000		6				6
8ZTBOX	Trench box	1.00	0.60 HR	9.900		6				6
LAB-A	General Labor - Appr	2.00	1.20 MH	28.430	93					93
LAB-F	General Labor - Fore	1.00	0.60 MH	34.000	51					51
LAB-J	General Labor - Class	4.00	2.40 MH	33.460	202					202
OP-2	Operator - Medium E	2.00	1.20 MH	43.500	116					116
OP-OIL	Equip Oiler	1.00	0.60 MH	43.780	58					58
\$785.69	0.4000 MH/CY	6.0000	MH	[14.219]	520		145	121		786
25.0000	Units/H*	250.0000	Un/Shift	2.5000 Unit/M	34.66		9.66	8.06		52.38
<hr/>										
10600	Haul Spoils	Quan: 27.00 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
4HAUL	Hauling - Sub	27.00	CY	15.000					405	405
<hr/>										
10700	Landscape	Quan: 400.00 SF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>LSC1</u>	Landscape Crew - medium	1.00	CH	Prod: 400.0000 UH	Lab Pcs: 13.00	Eqp Pcs: 10.00				

**Unreviewed

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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/>										
BID ITEM = 9010400		Land Item		SCHEDULE: 1	100					
Description = Gas - 8" Steel Pipe				Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
2LAND	Landscape@110%	400.00	SF	2.000		880				880
8EXBC753M	Bobcat 753 no attach	1.00	1.00 HR	10.920				11		11
8EXBCATT	Bobcat Attachments	1.00	1.00 HR	4.540				5		5
8EXGRDALL	Gradall 3 CY	1.00	1.00 HR	220.400				114	106	220
8HYDMLC	Hydro Mulcher	1.00	1.00 HR	60.000				60		60
8SMTTOOLS	Small Tools	4.00	4.00 HR	10.000				40		40
8TPU	Pickup Truck	1.00	1.00 HR	9.870				3	7	10
8TWT3	Water Truck - 3,000	1.00	1.00 HR	74.470				43	32	74
NY1	Foreman	1.00	1.00 MH	42.000	95					95
NY2	General Labor	8.00	8.00 MH	38.000	718					718
NY3	Skilled Labor / Operat	4.00	4.00 MH	40.000	369					369
\$2,482.50	0.0325 MH/SF	13.0000	MH	[1.265]	1,182	880		276	144	2,483
400.0000	Units/H*	4,000.0000	Un/Shift	30.7692 Unit/M	2.96	2.20		0.69	0.36	6.21
<hr/>										
=====> Item Totals: 9010400 - Gas - 8" Steel Pipe										
\$28,492.77	1.2400 MH/LF	124.00	MH	[46.44]	10,770	12,551		2,686	2,080	405
284.928	100 LF				107.70	125.51		26.86	20.80	4.05
										284.93
<hr/>										

BID ITEM = 9010500 Land Item SCHEDULE: 1 100
Description = Telecom - Duct Bank Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

There are no activities in this biditem.

BID ITEM = 9010600 Land Item SCHEDULE: 1 100
Description = Fiber - Duct Bank Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

There are no activities in this biditem.

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 = 9010600

Description = Fiber - Duct Bank

Land Item SCHEDULE: 1 100
Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

Total of Above Sub-Biditems

=====> Item Totals: 9010000 - Individual Utilities - (detailed)

\$87,613.20	3.4053 MH/LF	340.53 MH	[124.729]	29,701	42,823	7,799	6,090	1,200	87,613
876.132	100 LF			297.01	428.23	77.99	60.90	12.00	876.13

Total of Above Sub-Biditems

=====> Item Totals: 9000000 - Utilities

\$87,613.20	3.4053 MH/LF	340.53 MH	[124.729]	29,701	42,823	7,799	6,090	1,200	87,613
876.132	100 LF			297.01	428.23	77.99	60.90	12.00	876.13

PARENT ITEM 10000000

Description = Tunnels

Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 10000000:

PARENT ITEM 10010000

Description = Tunnels

Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 10010000:

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 = 10010100 Land Item SCHEDULE: 1 100
Description = Bored Tunnel TBM dia = 26' Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 **Furnish Materials** **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 10010100 - Bored Tunnel TBM dia = 26'**
\$0.00 []
0.000 100 LF

BID ITEM = 10010200 Land Item SCHEDULE: 1 100
Description = Bored Tunnel TBM dia = >26' Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 **Furnish Materials** **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 10010200 - Bored Tunnel TBM dia = >26'**
\$0.00 []
0.000 100 LF

BID ITEM = 10010400 Land Item SCHEDULE: 1 100
Description = Cut/Cover Typical Section Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10100 **Reinforcing Steel** **Quan: 2,118.00 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>											
BID ITEM = 10010400			Land Item	SCHEDULE: 1	100						
Description = Cut/Cover Typical Section			Unit =	LF	Takeoff	Quan:	100.000	Engr	Quan:	0.000	
10200	Mud Slab		Quan:	0.28 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10300	Bulkhead & Water Stop		Quan:	4.96 FT	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10400	Structural Concrete, In Place, C&C Slab		Quan:	3.73 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10500	Structural Concrete, In Place, C&C Exter		Quan:	6.67 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10600	Structural Concrete, In Place, C&C Roof		Quan:	3.73 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10700	Service/Safety Walkway		Quan:	1.00 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10800	Sheet Waterproofing		Quan:	132.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10900	Composite Drainage Board		Quan:	74.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11000	Dewatering Allowance		Quan:	0.50 DAY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											

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/>											
BID ITEM = 10010400			Land Item	SCHEDULE: 1	100						
Description = Cut/Cover Typical Section			Unit =	LF	Takeoff	Quan:	100.000	Engr Quan:		0.000	
11100	Finish Grading		Quan:	3.19 SY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11200	Structural Excavation		Quan:	44.72 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11300	Structural Backfill		Quan:	5.32 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11400	Haul away Excess Excavated Soil		Quan:	39.40 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11500	Soldier Pile & Lagging		Quan:	80.00 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11600	Cable Duct, Underground Guideway		Quan:	1.00 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11700	Corrosion Control Allowance		Quan:	1.00 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11800	Safety Railing		Quan:	1.00 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11900	Haul and Dispose of Excavated Material		Quan:	39.40 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											

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 = 10010400 Land Item SCHEDULE: 1 100
Description = Cut/Cover Typical Section Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

12000 Signage Allowance, Tunnels Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12100 Site Restoration Allowance Quan: 3.75 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12200 Structural Steel (for Bracing) Quan: 0.09 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12300 Clearing & Grubbing Allowance, Level 1 Quan: 3.75 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 10010400 - Cut/Cover Typical Section**

\$0.00 []
0.000 100 LF

Total of Above Sub-Biditems

=====> **Item Totals: 10010000 - Tunnels**

\$0.00 []
0.000 100 LF

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 = 10010400 Land Item SCHEDULE: 1 100
Description = Cut/Cover Typical Section Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

Total of Above Sub-Biditems

=====> **Item Totals: 10000000 - Tunnels**
\$0.00
0.000 100 LF

[]

PARENT ITEM 11000000
Description = Bus Rapid Transit Unit = LS Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 11000000:

PARENT ITEM 11010000
Description = BRT Viaduct Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 11010000:

BID ITEM = 11010100 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 20' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 3.16 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 1.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>											
BID ITEM = 11010100			Land Item	SCHEDULE: 1	100						
Description = Single Lane Viaduct height < 20'			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000	
10300	Precast Segmental Box Girder, Single (10		Quan:	0.01 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10400	Bearings		Quan:	1.00 EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10500	Railing		Quan:	0.02 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10600	Weater and Corrosion Control		Quan:	0.01 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10700	CIDH Piles - 60"		Quan:	0.03 VLF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10800	Track Drainage		Quan:	0.01 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10900	Cable Duct		Quan:	0.02 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11000	CIP Concrete Parapit		Quan:	1.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11100	CIP OCS Pole Base		Quan:	1.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											

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 = 11010100

Description = Single Lane Viaduct height < 20'

Land Item

SCHEDULE: 1
Unit = LF

100
Takeoff Quan:

1.000

Engr Quan:

0.000

11200 CIP Footing **Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11300 Excavation **Quan: 0.02 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11400 Backfill **Quan: 1.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11500 Sheet Pile **Quan: 0.06 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11600 Site Clean Up **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11700 Service/Safety Walkway **Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11800 Lighting Walkway **Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11900 Site Demo **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

12000 Remove Spoils **Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> Item Totals: 11010100 - Single Lane Viaduct height < 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/>										
BID ITEM = 11010100		Land Item	SCHEDULE: 1	100						
Description = Single Lane Viaduct height < 20'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 11010200 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 30' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 6.64 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 1.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
BID ITEM = 11010200 Description = Single Lane Viaduct height < 30'			Land Item	SCHEDULE: 1	100									
			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000				
10800	Track Drainage		Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
10900	Cable Duct		Quan:	0.02	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11000	CIP Concrete Parapit		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11100	CIP OCS Pole Base		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11200	CIP Footing		Quan:	0.03	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11300	Excavation		Quan:	0.04	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11400	Backfill		Quan:	0.01	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11500	Sheet Pile		Quan:	0.11	SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11600	Site Clean Up		Quan:	0.01	SY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													

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 = 11010200 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 30' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 11010200 - Single Lane Viaduct height < 30'**

\$0.00 []
0.000 1 LF

BID ITEM = 11010300 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 40' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 7.00 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>											
BID ITEM = 11010300			Land Item	SCHEDULE: 1	100						
Description = Single Lane Viaduct height < 40'			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000	
10300	Precast Segmental Box Girder, Single (10	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10400	Bearings	Quan:	1.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10500	Railing	Quan:	0.02	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10600	Weater and Corrosion Control	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10700	CIDH Piles - 60"	Quan:	0.03	VLF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10800	Track Drainage	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10900	Cable Duct	Quan:	0.02	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11000	CIP Concrete Parapit	Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11100	CIP OCS Pole Base	Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											

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 = 11010300

Description = Single Lane Viaduct height < 40'

Land Item

SCHEDULE: 1
Unit = LF

100
Takeoff Quan:

1.000

Engr Quan:

0.000

11200 CIP Footing **Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11300 Excavation **Quan: 0.04 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11400 Backfill **Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11500 Sheet Pile **Quan: 0.11 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11600 Site Clean Up **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11700 Service/Safety Walkway **Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11800 Lighting Walkway **Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11900 Site Demo **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

12000 Remove Spoils **Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> Item Totals: 11010300 - Single Lane Viaduct height < 40'

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/>										
BID ITEM = 11010300		Land Item	SCHEDULE: 1	100						
Description = Single Lane Viaduct height < 40'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 11010400 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 50' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 7.35 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
BID ITEM = 11010400														
Description = Single Lane Viaduct height < 50'														
Land Item SCHEDULE: 1 100														
Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000														
10800	Track Drainage		Quan:	0.01	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
10900	Cable Duct		Quan:	0.02	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11000	CIP Concrete Parapit		Quan:	1.00	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11100	CIP OCS Pole Base		Quan:	1.00	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11200	CIP Footing		Quan:	0.03	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11300	Excavation		Quan:	0.04	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11400	Backfill		Quan:	0.01	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11500	Sheet Pile		Quan:	0.11	SF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11600	Site Clean Up		Quan:	0.01	SY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														

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 = 11010400 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 50' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 11010400 - Single Lane Viaduct height < 50'**

\$0.00 []
0.000 1 LF

BID ITEM = 11010500 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 60' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 12.98 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.02 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

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

Land Item

100

Unit = LF

Takeoff Quan:

1.000

Engr Quan:

0.000

10300	Precast Segmental Box Girder, Single (10	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
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There are no cost resources for this activity.

10400	Bearings	Quan:	1.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
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There are no cost resources for this activity.

10500 Railing **Quan: 0.02 LF** **Hrs/Shft: 10.00** **Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10800 **Track Drainage** **Quan:** **0.01** **LF** **Hrs/Shft:** **10.00** **Cal:** **510** **WC:****NYI287**

There are no cost resources for this activity.

10900	Cable Duct	Quan: 0.02 LF	Hrs/Shft: 10.00	Cal: 510 WC:NYI287
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There are no cost resources for this activity.

11000	CIP Concrete Parapit	Quan:	1.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
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There are no cost resources for this activity.

11100	CIP OCS Pole Base	Quan: 1.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287
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There are no cost resources for this activity.

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 = 11010500 Land Item SCHEDULE: 1 100
Description = Single Lane Viaduct height < 60' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11200 CIP Footing Quan: 0.05 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11300 Excavation Quan: 0.06 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11400 Backfill Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11500 Sheet Pile Quan: 0.16 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11600 Site Clean Up Quan: 0.02 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11700 Service/Safety Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.02 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.05 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> Item Totals: 11010500 - Single Lane Viaduct height < 60'

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/>										
BID ITEM = 11010500		Land Item	SCHEDULE: 1	100						
Description = Single Lane Viaduct height < 60'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 11010600 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 20' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 3.16 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 1.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
BID ITEM = 11010600 Description = Double Lane Viaduct height < 20'			Land Item	SCHEDULE: 1	100									
			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000				
10800	Track Drainage		Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
10900	Cable Duct		Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11000	CIP Concrete Parapit		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11100	CIP OCS Pole Base		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11200	CIP Footing		Quan:	0.01	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11300	Excavation		Quan:	0.02	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11400	Backfill		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11500	Sheet Pile		Quan:	0.06	SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													
11600	Site Clean Up		Quan:	0.01	SY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
	There are no cost resources for this activity.													

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 = 11010600 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 20' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 11010600 - Double Lane Viaduct height < 20'**

\$0.00 []
0.000 1 LF

BID ITEM = 11010700 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 30' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 6.64 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 1.00 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>											
BID ITEM = 11010700			Land Item	SCHEDULE: 1	100						
Description = Double Lane Viaduct height < 30'			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000	
10300	Precast Segmental Box Girder, Single (10	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10400	Bearings	Quan:	1.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10500	Railing	Quan:	0.02	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10600	Weater and Corrosion Control	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10700	CIDH Piles - 60"	Quan:	0.03	VLF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10800	Track Drainage	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
10900	Cable Duct	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11000	CIP Concrete Parapit	Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											
11100	CIP OCS Pole Base	Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>											

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 = 11010700

Description = Double Lane Viaduct height < 30'

Land Item

SCHEDULE: 1
Unit = LF

100

Takeoff Quan:

1.000

Engr Quan:

0.000

11200 CIP Footing **Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11300 Excavation **Quan: 0.04 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11400 Backfill **Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11500 Sheet Pile **Quan: 0.11 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11600 Site Clean Up **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11700 Service/Safety Walkway **Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11800 Lighting Walkway **Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11900 Site Demo **Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

12000 Remove Spoils **Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> Item Totals: 11010700 - Double Lane Viaduct height < 30'

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/>										
BID ITEM = 11010700		Land Item	SCHEDULE: 1	100						
Description = Double Lane Viaduct height < 30'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 11010800 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 40' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 7.00 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Ex	Equipme Ownershi	Equipme Operatio	Sub- Contract	Total
BID ITEM = 11010800											
Description = Double Lane Viaduct height < 40'			Land Item	SCHEDULE: 1	100						
			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000	
10800	Track Drainage		Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
10900	Cable Duct		Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11000	CIP Concrete Parapit		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11100	CIP OCS Pole Base		Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11200	CIP Footing		Quan:	0.03	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11300	Excavation		Quan:	0.04	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11400	Backfill		Quan:	0.01	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11500	Sheet Pile		Quan:	0.11	SF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											
11600	Site Clean Up		Quan:	0.01	SY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287	
There are no cost resources for this activity.											

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 = 11010800 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 40' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.01 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.03 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 11010800 - Double Lane Viaduct height < 40'**

\$0.00 []
0.000 1 LF

BID ITEM = 11010900 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 50' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 7.35 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

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

Land Item

100

Unit = LF

Takeoff Quan:

1.000

Engr Quan:

0.000

10300	Precast Segmental Box Girder, Single (10	Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
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There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Ouan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10800 Track Drainage Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10900	Cable Duct	Quan: 0.01 LF	Hrs/Shft: 10.00	Cal: 510 WC:NYI287
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There are no cost resources for this activity.

11000	CIP Concrete Parapit	Quan:	1.00 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
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There are no cost resources for this activity.

11100	CIP OCS Pole Base	Quan: 1.00 CY	Hrs/Shft: 10.00	Cal: 510 WC:NYI287
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There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Material	Perm Constr	Equipme Equipme	Sub- Contract	Total
<hr/>										
BID ITEM = 11010900			Land Item	SCHEDULE: 1	100					
Description = Double Lane Viaduct height < 50'			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000
11200	CIP Footing		Quan:	0.03 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11300	Excavation		Quan:	0.04 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11400	Backfill		Quan:	0.01 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11500	Sheet Pile		Quan:	0.11 SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11600	Site Clean Up		Quan:	0.01 SY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11700	Service/Safety Walkway		Quan:	0.01 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11800	Lighting Walkway		Quan:	0.01 LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
11900	Site Demo		Quan:	0.01 SY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
12000	Remove Spoils		Quan:	0.03 CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287
<i>There are no cost resources for this activity.</i>										
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=====>	Item Totals: 11010900 - Double Lane Viaduct height < 50'									

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 = 11010900		Land Item	SCHEDULE: 1	100						
Description = Double Lane Viaduct height < 50'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 11011000 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 60' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 12.98 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.02 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 1.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 0.02 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 0.03 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
<hr/>											
BID ITEM = 11011000			Land Item	SCHEDULE: 1	100						
Description = Double Lane Viaduct height < 60'			Unit =	LF	Takeoff	Quan:	1.000	Engr	Quan:	0.000	
10800	Track Drainage			Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
10900	Cable Duct			Quan:	0.01	LF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11000	CIP Concrete Parapit			Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11100	CIP OCS Pole Base			Quan:	1.00	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11200	CIP Footing			Quan:	0.05	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11300	Excavation			Quan:	0.06	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11400	Backfill			Quan:	0.01	CY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11500	Sheet Pile			Quan:	0.16	SF	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											
11600	Site Clean Up			Quan:	0.02	SY	Hrs/Shft:	10.00	Cal:	510	WC:NYI287
<i>There are no cost resources for this activity.</i>											

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 = 11011000 Land Item SCHEDULE: 1 100
Description = Double Lane Viaduct height < 60' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 0.01 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.02 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 0.05 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals:** 11011000 - Double Lane Viaduct height < 60'
\$0.00 []
0.000 1 LF

Total of Above Sub-Biditems

=====> **Item Totals:** 11010000 - BRT Viaduct
\$0.00 []
0.000 100 LF

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 11020000

Description = BRT Stations & facilities

Unit = SF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 11020000:

BID ITEM = 11020100

Description = Hillburn Station

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10050 Subcontract Item **Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 11020100 - Hillburn Station**

\$0.00 []
0.000 100 SF

BID ITEM = 11020200

Description = BRT Maintenance Facility

Land Item SCHEDULE: 1 100

Unit = SF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10050 Subcontract Item **Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

4BRTFACILITY BRT Facility 1.00 LS 15,000,000.000 15,000,000 15,000,000

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 = 11020300

Description = Monsey Station

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10050 Subcontract Item **Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 11020300 - Monsey Station**

\$0.00 []
0.000 100 SF

BID ITEM = 11020400

Description = Other Stations xxxx

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials **Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10050 Subcontract Item **Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 11020400 - Other Stations xxxx**

\$0.00 []
0.000 100 SF

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/>										
BID ITEM = 11020400										
Description = Other Stations xxxx										
		Land Item	SCHEDULE: 1	100						
		Unit =	SF	Takeoff Quan:	100.000	Engr Quan:		0.000		
Total of Above Sub-Biditems										
<hr/>										
=====> Item Totals: 11020000 - BRT Stations & facilities										
\$15,000,000.00 []										
150,000.00 100 SF										
<hr/>										
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PARENT ITEM 11030000
Description = BRT - TX Ramps and Station Access Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 11030000:

BID ITEM = 11030200 Land Item SCHEDULE: 1 100
Description = Texas T Bus Ramp - Retained Fill (2 side Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

10050	Clean fill	Quan: 1,267.00 CY		Hrs/Shft: 10.00		Cal: 510 WC:NYI287	
<u>LD1</u>	Load, Fill, Cut	50.68	CH	Prod: 25.0000 UH	Lab Pcs: 6.00	Eqp Pcs: 6.00	
2FILL	Fill - Borrow@110%	1,267.00	CY	15.000	20,906		20,906
8EXM322D	CAT M322D 1.5 CY	1.00	50.68	HR		3,098	2,042
8L938	CAT 938H Wheel loa	2.00	101.36	HR		3,105	2,595
8SMTTOOLS	Small Tools	2.00	101.36	HR		1,014	1,014
8TPU	Pickup Truck	1.00	50.68	HR		171	329
NY1	Foreman	1.00	50.68	MH	4,808		4,808
NY2	General Labor	2.00	101.36	MH	9,099		9,099
NY3	Skilled Labor / Operat	3.00	152.04	MH	14,036		14,036

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 = 11030200

Description = Texas T Bus Ramp - Retained Fill (2 side) Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

\$61,201.77	0.2400 MH/CY	304.0800	MH	[9.52]	27,943	20,906	7,387	4,967		61,202
25.0000	Units/H*	250.0000	Un/Shift	4.1667 Unit/M	22.05	16.50	5.83	3.92		48.30

10100 Compact fill in 2' lifts Quan: 17,100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	34.20	CH	Prod: 500.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
8D6	CAT D6 Dozer	1.00	34.20 HR	36.120		946	289	1,235
8L938	CAT 938H Wheel loa	1.00	34.20 HR	56.230		1,048	876	1,923
8MG16H	Cat 16H Motorgrader	2.00	68.40 HR	102.440		3,878	3,129	7,007
8RSF	Sheepsft Roller	1.00	34.20 HR	32.500		1,112		1,112
8RSW	Steel wheel roller	2.00	68.40 HR	56.260		2,210	1,638	3,848
8SMTTOOLS	Small Tools	2.00	68.40 HR	10.000		684		684
8TPU	Pickup Truck	1.00	34.20 HR	9.870		115	222	338
8TWT5	Water Truck - 5,000	1.00	34.20 HR	79.000		1,539	1,163	2,702
NY1	Foreman	1.00	34.20 MH	42.000	3,244			3,244
NY2	General Labor	8.00	273.60 MH	38.000	24,562			24,562
NY3	Skilled Labor / Operat	6.00	205.20 MH	40.000	18,943			18,943
\$65,597.40	0.0300 MH/SF	513.0000	MH	[1.172]	46,749	11,531	7,317	65,597
500.0000	Units/H*	5,000.0000	Un/Shift	33.3333 Unit/M	2.73	0.67	0.43	3.84

10150 Subbase Quan: 11.68 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

GR2	Compact- Large	0.23	CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00		
2SBASE	Sub Base@110%	11.68	CY	14.000	180			180
8D6	CAT D6 Dozer	1.00	0.23 HR	36.120		6	2	8
8L938	CAT 938H Wheel loa	1.00	0.23 HR	56.230		7	6	13
8MG16H	Cat 16H Motorgrader	2.00	0.47 HR	102.440		27	22	48
8RSF	Sheepsft Roller	1.00	0.23 HR	32.500		7		7
8RSW	Steel wheel roller	2.00	0.47 HR	56.260		15	11	26
8SMTTOOLS	Small Tools	2.00	0.47 HR	10.000		5		5
8TPU	Pickup Truck	1.00	0.23 HR	9.870		1	1	2

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/>										
BID ITEM = 11030200										
Description = Texas T Bus Ramp - Retained Fill (2 side)		Land Item		SCHEDULE: 1	100					
		Unit =		SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
8TWT5	Water Truck - 5,000	1.00	0.23 HR	79.000			10	8		18
NY1	Foreman	1.00	0.23 MH	42.000	22					22
NY2	General Labor	8.00	1.87 MH	38.000	168					168
NY3	Skilled Labor / Operat	6.00	1.40 MH	40.000	129					129
\$627.20	0.2996 MH/CY	3.5000	MH	[11.705]	319	180	79	50		627
50.7826	Units/H*	507.8261	Un/Shift	3.3371 Unit/M	27.31	15.40	6.72	4.27		53.70
10200 Lift 1 Base Course										
		Quan: 46.73 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
GR2	Compact- Large	0.93	CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2BASEC	Pavement Base Cou@	46.73	CY	50.000	2,570					2,570
8D6	CAT D6 Dozer	1.00	0.93 HR	36.120			26	8		34
8L938	CAT 938H Wheel loa	1.00	0.93 HR	56.230			28	24		52
8MG16H	Cat 16H Motorgrader	2.00	1.87 HR	102.440			106	86		192
8RSF	Sheepsft Roller	1.00	0.93 HR	32.500			30			30
8RSW	Steel wheel roller	2.00	1.87 HR	56.260			60	45		105
8SMTTOOLS	Small Tools	2.00	1.87 HR	10.000			19			19
8TPU	Pickup Truck	1.00	0.93 HR	9.870			3	6		9
8TWT5	Water Truck - 5,000	1.00	0.93 HR	79.000			42	32		73
NY1	Foreman	1.00	0.93 MH	42.000	88					88
NY2	General Labor	8.00	7.48 MH	38.000	672					672
NY3	Skilled Labor / Operat	6.00	5.61 MH	40.000	518					518
\$4,361.94	0.3000 MH/CY	14.0200	MH	[11.721]	1,278	2,570	315	200		4,362
50.2473	Units/H*	502.4731	Un/Shift	3.3331 Unit/M	27.34	55.00	6.73	4.27		93.34
10250 Lift 2 Base Course										
		Quan: 46.73 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
GR2	Compact- Large	4.67	CH	Prod: 10.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
2BASEC	Pavement Base Cou@	46.73	CY	50.000	2,570					2,570
8D6	CAT D6 Dozer	1.00	4.67 HR	36.120			129	40		169
8L938	CAT 938H Wheel loa	1.00	4.67 HR	56.230			143	120		263

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/>										
BID ITEM = 11030200		Land Item		SCHEDULE: 1	100					
Description = Texas T Bus Ramp - Retained Fill (2 side		Unit =		SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
8MG16H	Cat 16H Motorgrader	2.00	9.35 HR	102.440			530	428		958
8RSF	Sheepsft Roller	1.00	4.67 HR	32.500			152			152
8RSW	Steel wheel roller	2.00	9.35 HR	56.260			302	224		526
8SMTTOOLS	Small Tools	2.00	9.35 HR	10.000			94			94
8TPU	Pickup Truck	1.00	4.67 HR	9.870			16	30		46
8TWT5	Water Truck - 5,000	1.00	4.67 HR	79.000			210	159		369
NY1	Foreman	1.00	4.67 MH	42.000	443					443
NY2	General Labor	8.00	37.38 MH	38.000	3,356					3,356
NY3	Skilled Labor / Operat	6.00	28.04 MH	40.000	2,589					2,589
\$11,532.75	1.4998 MH/CY	70.0900	MH	[58.596]	6,387	2,570	1,576	1,000		11,533
10.0064	Units/H*	100.0642	Un/Shift	0.6667 Unit/M	136.68	55.00	33.71	21.40		246.80
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10300	Binder Course	Quan: 50.00 TON		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PV1</u>	Asp. Pave - Small	2.00	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
2HMAB	HMA Binder Course	107.02	TON	40.000	4,709					4,709
8AP1	Asphalt Paver (LG)	1.00	2.00 HR	258.150			350	166		516
8APBS	Sweeper	1.00	2.00 HR	62.120			63	61		124
8APLANT	Asphalt Plant & Equi	1.00	2.00 HR	179.070			199	159		358
8D6	CAT D6 Dozer	1.00	2.00 HR	36.120			55	17		72
8L938	CAT 938H Wheel loa	1.00	2.00 HR	56.230			61	51		112
8RPN	Pneumatic roller - 12	1.00	2.00 HR	63.750			90	38		128
8RT	Roller - Tandem 10to	1.00	2.00 HR	50.000			100			100
8TDIST	Distribution Truck	1.00	2.00 HR	45.000			90			90
8TPU	Pickup Truck	1.00	2.00 HR	9.870			7	13		20
8TWT3	Water Truck - 3,000	1.00	2.00 HR	74.470			86	63		149
LAB-A	General Labor - Appr	2.00	4.00 MH	28.430	310					310
LAB-F	General Labor - Fore	1.00	2.00 MH	34.000	169					169
LAB-J	General Labor - Class	6.00	12.00 MH	33.460	1,008					1,008
OP-2	Operator - Medium E	6.00	12.00 MH	43.500	1,161					1,161

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 = 11030200

Description = Texas T Bus Ramp - Retained Fill (2 side) Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

\$9,027.40	0.6000 MH/TON	30.0000	MH	[22.105]	2,649	4,709	1,101	568		9,027
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98	94.18	22.03	11.36		180.55

10350 Top Course Quan: 40.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287

PV1	Asp. Pave - Small	1.60	CH	Prod: 25.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
8API	Asphalt Paver (LG)	1.00	1.60 HR	258.150		280	133			413
8APBS	Sweeper	1.00	1.60 HR	62.120		51	49			99
8APLANT	Asphalt Plant & Equi	1.00	1.60 HR	179.070		159	128			287
8D6	CAT D6 Dozer	1.00	1.60 HR	36.120		44	14			58
8L938	CAT 938H Wheel loa	1.00	1.60 HR	56.230		49	41			90
8RPN	Pneumatic roller - 12	1.00	1.60 HR	63.750		72	30			102
8RT	Roller - Tandem 10to	1.00	1.60 HR	50.000		80				80
8TDIST	Distribution Truck	1.00	1.60 HR	45.000		72				72
8TPU	Pickup Truck	1.00	1.60 HR	9.870		5	10			16
8TWT3	Water Truck - 3,000	1.00	1.60 HR	74.470		69	50			119
LAB-A	General Labor - Appr	2.00	3.20 MH	28.430	248					248
LAB-F	General Labor - Fore	1.00	1.60 MH	34.000	135					135
LAB-J	General Labor - Class	6.00	9.60 MH	33.460	806					806
OP-2	Operator - Medium E	6.00	9.60 MH	43.500	929					929
\$3,454.78	0.6000 MH/TON	24.0000	MH	[22.105]	2,119		881	454		3,455
25.0000	Units/H*	250.0000	Un/Shift	1.6667 Unit/M	52.98		22.03	11.36		86.37

10400 Tack Coat Quan: 24.00 TON Hrs/Shft: 10.00 Cal: 510 WC:NYI287

PV1	Asp. Pave - Small	0.48	CH	Prod: 50.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 10.00				
8API	Asphalt Paver (LG)	1.00	0.48 HR	258.150		84	40			124
8APBS	Sweeper	1.00	0.48 HR	62.120		15	15			30
8APLANT	Asphalt Plant & Equi	1.00	0.48 HR	179.070		48	38			86
8D6	CAT D6 Dozer	1.00	0.48 HR	36.120		13	4			17
8L938	CAT 938H Wheel loa	1.00	0.48 HR	56.230		15	12			27

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/>										
BID ITEM = 11030200		Land Item		SCHEDULE: 1	100					
Description = Texas T Bus Ramp - Retained Fill (2 side		Unit =		SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000		
8RPN	Pneumatic roller - 12	1.00	0.48 HR	63.750			22	9		31
8RT	Roller - Tandem 10to	1.00	0.48 HR	50.000			24			24
8TDIST	Distribution Truck	1.00	0.48 HR	45.000			22			22
8TPU	Pickup Truck	1.00	0.48 HR	9.870			2	3		5
8TWT3	Water Truck - 3,000	1.00	0.48 HR	74.470			21	15		36
LAB-A	General Labor - Appr	2.00	0.96 MH	28.430	74					74
LAB-F	General Labor - Fore	1.00	0.48 MH	34.000	41					41
LAB-J	General Labor - Class	6.00	2.88 MH	33.460	242					242
OP-2	Operator - Medium E	6.00	2.88 MH	43.500	279					279
\$1,036.38	0.3000 MH/TON	7.2000	MH	[11.052]	636		264	136		1,036
50.0000	Units/H*	500.0000	Un/Shift	3.3333 Unit/M	26.49		11.01	5.68		43.18
<hr/>										
10450	Fence on Side	Quan: 200.00 LF		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>PL1</u>	Place - Install Material	6.66	CH	Prod: 30.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
8CRBMTRK	Boom Truck 20 ton	1.00	6.67 HR	102.630			443	242		685
8LFORK	Fork Lift	1.00	6.67 HR	43.060			201	86		287
8LIFTS32	Scissor Lift 32'	1.00	6.67 HR	29.700			99	99		198
8SMTTOOLS	Small Tools	4.00	26.67 HR	10.000			267			267
8TPU	Pickup Truck	1.00	6.67 HR	9.870			22	43		66
8ZG050	Genset - 50 kW	1.00	6.67 HR	19.700			30	101		131
8ZTE	Power Tools - Electri	1.00	6.67 HR	10.000			67			67
NY1	Foreman	1.00	6.67 MH	42.000	633					633
NY2	General Labor	4.00	26.67 MH	38.000	2,394					2,394
NY3	Skilled Labor / Operat	5.00	33.33 MH	40.000	3,077					3,077
\$7,804.27	0.3333 MH/LF	66.6700	MH	[13.134]	6,104		1,128	572		7,804
30.0300	Units/H*	300.3003	Un/Shift	2.9999 Unit/M	30.52		5.64	2.86		39.02
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10500	Center Wall Divider	Quan: 29.63 CY		Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>CC4</u>	Concrete Crew - Medium	3.70	CH	Prod: 8.0000 UH	Lab Pcs: 12.00	Eqp Pcs: 7.00				

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/>										
BID ITEM = 11030200										
Description = Texas T Bus Ramp - Retained Fill (2 side		Land Item	SCHEDULE: 1	100						
		Unit =	SF	Takeoff Quan:	3,800.000	Engr Quan:	0.000			
2CONC	Concrete - Ready @1	29.63	CY	141.000		4,596				4,596
2REBAR	Rebar@110%	7,500.00	LBS	0.650		5,363				5,363
8AC1300	Air Compressor - 130	1.00	3.70 HR	131.450			178	309		486
8CONC100	Concrete Conveyer (1	1.00	3.70 HR	23.850			46	42		88
8CONWT	Concrete Work Tools	2.00	7.41 HR	4.310			32			32
8FORM1	Concrete Form Set - S	2.00	7.41 HR	5.000			37			37
8TPU	Pickup Truck	1.00	3.70 HR	9.870			12	24		37
NY1	Foreman	1.00	3.70 MH	42.000	351					351
NY2	General Labor	7.00	25.93 MH	38.000	2,328					2,328
NY3	Skilled Labor / Operat	4.00	14.82 MH	40.000	1,368					1,368
\$14,685.09	1.5001 MH/CY	44.4500	MH	[58.506]	4,047	9,958	305	375		14,685
8.0081	Units/H*	80.0811	Un/Shift	0.6666 Unit/M	136.58	336.08	10.30	12.65		495.62
10550 Final Line and Grade										
		Quan: 3,800.00 SF		Hrs/Shft: 10.00	Cal: 510	WC: NYI287				
<u>GR2</u>	Compact- Large	3.80	CH	Prod: 1,000.0000 UH	Lab Pcs: 15.00	Eqp Pcs: 11.00				
8D6	CAT D6 Dozer	1.00	3.80 HR	36.120		105	32			137
8L938	CAT 938H Wheel loa	1.00	3.80 HR	56.230		116	97			214
8MG16H	Cat 16H Motorgrader	2.00	7.60 HR	102.440		431	348			779
8RSF	Sheepsft Roller	1.00	3.80 HR	32.500		124				124
8RSW	Steel wheel roller	2.00	7.60 HR	56.260		246	182			428
8SMTTOOLS	Small Tools	2.00	7.60 HR	10.000		76				76
8TPU	Pickup Truck	1.00	3.80 HR	9.870		13	25			38
8TWT5	Water Truck - 5,000	1.00	3.80 HR	79.000		171	129			300
NY1	Foreman	1.00	3.80 MH	42.000	360					360
NY2	General Labor	8.00	30.40 MH	38.000	2,729					2,729
NY3	Skilled Labor / Operat	6.00	22.80 MH	40.000	2,105					2,105
\$7,288.57	0.0150 MH/SF	57.0000	MH	[0.586]	5,194	1,281	813			7,289
1,000.0000	Units/H*	10,000.0000	Un/Shift	66.6667 Unit/M	1.37	0.34	0.21			1.92

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	
Resource		Pcs										Contract	Total
<hr/>													
BID ITEM = 11030200		Land Item		SCHEDULE: 1		100							
Description = Texas T Bus Ramp - Retained Fill (2 side				Unit = SF		Takeoff Quan:		3,800.000		Engr Quan:		0.000	
<hr/>													
10600	Lane Markings			Quan:	600.00 LF	Hrs/Shft: 10.00		Cal: 510		WC:NYI287			
LM1	Lane Markings	0.48 CH		Prod:	1,250.0000 UH	Lab Pcs:		9.00	Eqp Pcs:		5.00		
2PAINT	Lane Markings@110	600.00 LF		1.500		990						990	
8APBS	Sweeper	1.00	0.48 HR	62.120						15	15	30	
8T5T	Flatbed Truck - 5 Ton	1.00	0.48 HR	21.220						2	8	10	
8TPU	Pickup Truck	2.00	0.96 HR	9.870						3	6	9	
8TSTRP	Thermo Striper	1.00	0.48 HR	100.000						48		48	
NY1	Foreman	1.00	0.48 MH	42.000		46						46	
NY2	General Labor	4.00	1.92 MH	38.000		172						172	
NY3	Skilled Labor / Operat	4.00	1.92 MH	40.000		177						177	
\$1,482.59	0.0072 MH/LF	4.3200	MH	[0.283]		395	990			69	29	1,483	
1,250.0000	Units/H*	12,500.0000	Un/Shift	138.8889 Unit/M		0.66	1.65			0.11	0.05	2.47	
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10650	4" Edge Drain Pipe			Quan:	100.00 LF	Hrs/Shft: 10.00		Cal: 510		WC:NYI287			
PIPE	Pipe Crew - Trench	2.00 CH		Prod:	50.0000 UH	Lab Pcs:		10.00	Eqp Pcs:		6.00		
24PIPE	4" Edge Drain Pip@1	100.00 LF		14.000		1,540						1,540	
8AC900	Air Compressor - 900	1.00	2.00 HR	88.850						70	108	178	
8ADDSTM	Addon - Small Tool&	1.00	2.00 HR	2.650						4	1	5	
8CRNG40T	Grove RT640E 40 To	1.00	2.00 HR	110.000						160	60	220	
8EXGRDALL	Gradall 3 CY	1.00	2.00 HR	220.400						229	212	441	
8GEN800	Generators 800 KW	1.00	2.00 HR	25.000						30	20	50	
8TPU	Pickup Truck	1.00	2.00 HR	9.870						7	13	20	
LAB-A	General Labor - Appr	2.00	4.00 MH	28.430		310						310	
LAB-F	General Labor - Fore	1.00	2.00 MH	34.000		169						169	
LAB-J	General Labor - Class	4.00	8.00 MH	33.460		672						672	
OP-2	Operator - Medium E	2.00	4.00 MH	43.500		387						387	
OP-OIL	Equip Oiler	1.00	2.00 MH	43.780		194						194	
\$4,186.62	0.2000 MH/LF	20.0000	MH	[7.11]		1,733	1,540			500	414	4,187	

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 = 11030200

Description = Texas T Bus Ramp - Retained Fill (2 side)

Land Item SCHEDULE: 1 100
Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

50.0000	Units/H*	500.0000	Un/Shift	5.0000	Unit/M	17.33	15.40	5.00	4.14	41.87
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10700 Prepare and roll base **Quan: 3,800.00 SF** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

GR2	Description	Quantity	Unit	Unit Cost	UH	Lab Pcs	Eqp Pcs	Total
8D6	CAT D6 Dozer	1.00	0.38 HR	36.120			11 3	14
8L938	CAT 938H Wheel loa	1.00	0.38 HR	56.230			12 10	21
8MG16H	Cat 16H Motorgrader	2.00	0.76 HR	102.440			43 35	78
8RSF	Sheepsft Roller	1.00	0.38 HR	32.500			12	12
8RSW	Steel wheel roller	2.00	0.76 HR	56.260			25 18	43
8SMTTOOLS	Small Tools	2.00	0.76 HR	10.000			8	8
8TPU	Pickup Truck	1.00	0.38 HR	9.870			1 2	4
8TWT5	Water Truck - 5,000	1.00	0.38 HR	79.000			17 13	30
NY1	Foreman	1.00	0.38 MH	42.000	36			36
NY2	General Labor	8.00	3.04 MH	38.000	273			273
NY3	Skilled Labor / Operat	6.00	2.28 MH	40.000	210			210
\$728.83	0.0015 MH/SF	5.7000	MH	[0.059]	519		128 81	729
10,000.0000	Units/H*	100,000.0000	Un/Shift	666.6667	Unit/M	0.14	0.03 0.02	0.19

10750 Concrete Wall **Quan: 296.30 CY** **Hrs/Shift: 10.00** **Cal: 510 WC:NYI287**

CC5	Description	Quantity	Unit	Unit Cost	UH	Lab Pcs	Eqp Pcs	Total
2CONC	Concrete - Ready @1	296.30	CY	141.000		45,956		45,956
2REBAR	Rebar@110%	75,000.00	LBS	0.650		53,625		53,625
8AC1300	Air Compressor - 130	1.00	37.04 HR	131.450			1,778 3,091	4,869
8CONC100	Concrete Conveyer (1	3.00	111.11 HR	23.850			1,389 1,261	2,650
8CONWT	Concrete Work Tools	5.00	185.19 HR	4.310			798	798
8FORM1	Concrete Form Set - S	4.00	148.15 HR	5.000			741	741
8TPU	Pickup Truck	2.00	74.08 HR	9.870			250 482	731
NY1	Foreman	1.00	37.04 MH	42.000	3,514			3,514
NY2	General Labor	10.00	370.38 MH	38.000	33,250			33,250

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 = 11030200

Land Item SCHEDULE: 1 100
Description = Texas T Bus Ramp - Retained Fill (2 side Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

NY3	Skilled Labor / Operat	8.00	296.30 MH	40.000	27,353					27,353
\$173,486.74	2.3750 MH/CY	703.7200	MH	[92.751]	64,117	99,581	4,955	4,834		173,487
8.0016	Units/H*	80.0162	Un/Shift	0.4210 Unit/M	216.39	336.08	16.72	16.31		585.51

10800 Compacted Subbase Quan: 29.63 CY Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>GR3</u>	Compact - Small	1.97	CH	Prod: 15.0000 UH	Lab Pcs: 8.00	Eqp Pcs: 7.00				
2SBASE	Sub Base@110%	29.63	CY	14.000	456					456
8RWKWM	Walk Behind Whacke	3.00	5.93 HR	13.250		47	32			79
8SMTTOOLS	Small Tools	2.00	3.95 HR	10.000		40				40
8TPU	Pickup Truck	1.00	1.98 HR	9.870		7	13			20
8TWT5	Water Truck - 5,000	1.00	1.98 HR	79.000		89	67			156
NY1	Foreman	1.00	1.98 MH	42.000	188					188
NY2	General Labor	5.00	9.88 MH	38.000	887					887
NY3	Skilled Labor / Operat	2.00	3.95 MH	40.000	365					365
\$2,189.75	0.5335 MH/CY	15.8100	MH	[20.81]	1,439	456	182	112		2,190
15.0406	Units/H*	150.4061	Un/Shift	1.8741 Unit/M	48.58	15.40	6.15	3.78		73.90

10850 Signage Quan: 100.00 LF Hrs/Shift: 10.00 Cal: 510 WC:NYI287

<u>PL1</u>	Place - Install Material	2.00	CH	Prod: 50.0000 UH	Lab Pcs: 10.00	Eqp Pcs: 10.00				
2SIGN	Signage@110%	100.00	LF	150.000	16,500					16,500
8CRBMTRK	Boom Truck 20 ton	1.00	2.00 HR	102.630		133	73			205
8LFORK	Fork Lift	1.00	2.00 HR	43.060		60	26			86
8LIFTS32	Scissor Lift 32'	1.00	2.00 HR	29.700		30	30			59
8SMTTOOLS	Small Tools	4.00	8.00 HR	10.000		80				80
8TPU	Pickup Truck	1.00	2.00 HR	9.870		7	13			20
8ZG050	Genset - 50 kW	1.00	2.00 HR	19.700		9	30			39
8ZTE	Power Tools - Electri	1.00	2.00 HR	10.000		20				20
NY1	Foreman	1.00	2.00 MH	42.000	190					190
NY2	General Labor	4.00	8.00 MH	38.000	718					718

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource															
BID ITEM = 11030200															
Description = Texas T Bus Ramp - Retained Fill (2 side															
Unit = SF															
Takeoff Quan: 100															
3,800.000															
Engr Quan: 0.000															
923															
923															
18,841															
18,841															
188.41															
10900 Soil Anchors															
Quan: 400.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287															
CC2 Soil Stabilize 40.00 CH Prod: 10.0000 UH Lab Pcs: 13.00 Eqp Pcs: 5.00															
2SANCHR Soil Anchor Mater@1 400.00 EA 200.000 88,000															
8AC1300 Air Compressor - 130 1.00 40.00 HR 131.450 1,920 3,338 5,258															
8TPU Pickup Truck 1.00 40.00 HR 9.870 135 260 395															
8ZAIRD Air Track Drill 4" 1.00 40.00 HR 161.050 4,600 1,842 6,442															
8ZAIRH Air Tools- Hose 50'l x 1.00 40.00 HR 0.510 18 2 20															
8ZG050 Genset - 50 kW 1.00 40.00 HR 19.700 180 608 788															
NY1 Foreman 1.00 40.00 MH 42.000 3,794 3,794															
NY2 General Labor 4.00 160.00 MH 38.000 14,364 14,364															
NY3 Skilled Labor / Operat 8.00 320.00 MH 40.000 29,541 29,541															
\$148,602.26 1.3000 MH/EA 520.0000 MH [51.4] 47,699 88,000 6,853 6,050 148,602															
10.0000 Units/H* 100.0000 Un/Shift 0.7692 Unit/M 119.25 220.00 17.13 15.13 371.51															
=====> Item Totals: 11030200 - Texas T Bus Ramp - Retained Fill (2 side															
\$536,135.32 0.6377 MH/SF 2,423.56 MH [24.978] 221,158 247,960 38,873 28,144 536,135															
141.088 3800 SF 58.20 65.25 10.23 7.41 141.09															
Total of Above Sub-Biditems															
=====> Item Totals: 11030000 - BRT - TX Ramps and Station Access															
\$536,135.32 24.2356 MH/LF 2,423.56 MH [949.178] 221,158 247,960 38,873 28,144 536,135															
5,361.353 100 LF 2,211.58 2,479.60 388.73 281.44 5,361.35															

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 = 11030200 Land Item SCHEDULE: 1 100
Description = Texas T Bus Ramp - Retained Fill (2 side) Unit = SF Takeoff Quan: 3,800.000 Engr Quan: 0.000

Total of Above Sub-Biditems

=====> Item Totals: 11000000 - Bus Rapid Transit
\$15,536,135.32 24.2356 MH/LS 2,423.56 MH [949.178] 221,158 247,960 38,873 28,144 15,000,000 15,536,135
155,361.353 100 LS 2,211.58 2,479.60 388.73 281.44 150,000.00 155,361.35

PARENT ITEM 12000000
Description = Commuter Rail transit Unit = LS Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 12000000:

PARENT ITEM 12010000
Description = CRT Viaduct Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 12010000:

BID ITEM = 12010100 Land Item SCHEDULE: 1 100
Description = Viaduct height < 20' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 315.52 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.21 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

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

Land Item

SCHEDULE: 1
Unit = LF

100

Takeoff Quan:

1.000

Engr Quan:

0.000

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.02 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 3.20 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.20 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

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 = 12010100 Land Item SCHEDULE: 1 100
Description = Viaduct height < 20' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11200 CIP Footing Quan: 1.16 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11300 Excavation Quan: 1.62 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11400 Backfill Quan: 0.46 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11500 Sheet Pile Quan: 5.60 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11600 Site Clean Up Quan: 0.64 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11700 Service/Safety Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 0.69 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 1.16 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> Item Totals: 12010100 - Viaduct height < 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/>										
BID ITEM = 12010100		Land Item	SCHEDULE: 1	100						
Description = Viaduct height < 20'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 12010200 Land Item SCHEDULE: 1 100
Description = Viaduct height < 30' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 664.03 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.39 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Bearings Quan: 0.02 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Railing Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Weater and Corrosion Control Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10700 CIDH Piles - 60" Quan: 3.00 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
BID ITEM = 12010200															
Description = Viaduct height < 30'															
Land Item SCHEDULE: 1 100															
Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000															
10800	Track Drainage		Quan:	1.00	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
10900	Cable Duct		Quan:	2.00	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11000	CIP Concrete Parapit		Quan:	0.20	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11100	CIP OCS Pole Base		Quan:	0.01	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11200	CIP Footing		Quan:	2.72	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11300	Excavation		Quan:	3.63	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11400	Backfill		Quan:	0.91	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11500	Sheet Pile		Quan:	11.20	SF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															
11600	Site Clean Up		Quan:	1.25	SY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287		
<i>There are no cost resources for this activity.</i>															

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 = 12010200 Land Item SCHEDULE: 1 100
Description = Viaduct height < 30' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 1.36 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 2.72 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 12010200 - Viaduct height < 30'**

\$0.00 []
0.000 1 LF

BID ITEM = 12010300 Land Item SCHEDULE: 1 100
Description = Viaduct height < 40' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 699.59 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 0.57 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
BID ITEM = 12010300															
Description = Viaduct height < 40'															
Land Item SCHEDULE: 1 100															
Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000															
10300	Precast Segmental Box Girder, Single (10	Quan:	1.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10400	Bearings	Quan:	0.02	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10500	Railing	Quan:	2.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10600	Weater and Corrosion Control	Quan:	1.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10700	CIDH Piles - 60"	Quan:	3.00	VLF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10800	Track Drainage	Quan:	1.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
10900	Cable Duct	Quan:	2.00	LF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
11000	CIP Concrete Parapit	Quan:	0.20	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															
11100	CIP OCS Pole Base	Quan:	0.01	CY	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287					
<i>There are no cost resources for this activity.</i>															

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Material	Perm Matl/Ex	Constr Ownershi	Equipme Operatio	Equipme Contract	Sub- Contract	Total
<div> <div> <div>BID ITEM = 12010300</div> <div>Description = Viaduct height < 40'</div> </div> <div> <div>Land Item</div> <div>SCHEDULE: 1</div> <div>Unit = LF</div> </div> <div> <div>100</div> <div>Takeoff Quan:</div> </div> <div> <div>1.000</div> <div>Engr Quan:</div> </div> <div> <div>0.000</div> </div> </div>												
11200	CIP Footing		Quan: 2.72 CY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11300	Excavation		Quan: 3.63 CY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11400	Backfill		Quan: 0.91 CY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11500	Sheet Pile		Quan: 11.20 SF		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11600	Site Clean Up		Quan: 1.25 SY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11700	Service/Safety Walkway		Quan: 2.00 LF		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11800	Lighting Walkway		Quan: 2.00 LF		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
11900	Site Demo		Quan: 1.36 SY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
12000	Remove Spoils		Quan: 2.72 CY		Hrs/Shft: 10.00		Cal: 510	WC:NYI287				
There are no cost resources for this activity.												
<div> <div>=====> Item Totals:</div> <div>12010300 - Viaduct height < 40'</div> </div>												

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/>										
BID ITEM = 12010300		Land Item	SCHEDULE: 1	100						
Description = Viaduct height < 40'			Unit = LF	Takeoff Quan:	1.000	Engr Quan:			0.000	
\$0.00			[]							
0.000	1 LF									
<hr/>										

BID ITEM = 12010400	Land Item	SCHEDULE: 1	100							
Description = Viaduct height < 50'		Unit = LF	Takeoff Quan:	1.000	Engr Quan:				0.000	

10100 Rebar **Quan: 735.15 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10200 Place Concrete Pier **Quan: 0.75 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10300 Precast Segmental Box Girder, Single (10 **Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10400 Bearings **Quan: 0.02 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10500 Railing **Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10600 Weater and Corrosion Control **Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

10700 CIDH Piles - 60" **Quan: 3.00 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Total
BID ITEM = 12010400														
Description = Viaduct height < 50'														
Land Item SCHEDULE: 1 100														
Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000														
10800	Track Drainage		Quan:	1.00	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
10900	Cable Duct		Quan:	2.00	LF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11000	CIP Concrete Parapit		Quan:	0.20	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11100	CIP OCS Pole Base		Quan:	0.01	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11200	CIP Footing		Quan:	2.72	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11300	Excavation		Quan:	3.63	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11400	Backfill		Quan:	0.91	CY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11500	Sheet Pile		Quan:	11.20	SF		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														
11600	Site Clean Up		Quan:	1.25	SY		Hrs/Shft:	10.00		Cal:	510	WC:	NYI287	
<i>There are no cost resources for this activity.</i>														

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 = 12010400 Land Item SCHEDULE: 1 100
Description = Viaduct height < 50' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

11700 Service/Safety Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 Lighting Walkway Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Site Demo Quan: 1.36 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

12000 Remove Spoils Quan: 2.72 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> **Item Totals: 12010400 - Viaduct height < 50'**

\$0.00 []
0.000 1 LF

BID ITEM = 12010500 Land Item SCHEDULE: 1 100
Description = Viaduct height < 60' Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10100 Rebar Quan: 1,297.66 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10200 Place Concrete Pier Quan: 1.54 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

DIRECT COST REPORT

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

Land Item

SCHEDULE: 1
Unit = LF

100

Takeoff Quan:

1.000

Engr Quan:

0.000

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.02 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 2.80 VLF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.20 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

Quan: 0.01 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

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 = 12010500

Description = Viaduct height < 60'

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

11200 CIP Footing **Quan: 4.74 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11300 Excavation **Quan: 5.93 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11400 Backfill **Quan: 1.19 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11500 Sheet Pile **Quan: 16.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11600 Site Clean Up **Quan: 1.64 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11700 Service/Safety Walkway **Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11800 Lighting Walkway **Quan: 2.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

11900 Site Demo **Quan: 1.78 SY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

12000 Remove Spoils **Quan: 4.74 CY Hrs/Shft: 10.00 Cal: 510 WC:NYI287**

There are no cost resources for this activity.

=====> **Item Totals: 12010500 - Viaduct height < 60'**

DIRECT COST REPORT

Activity	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm	Constr	Equipme	Equipme	Sub- Contract	Total
<hr/>											
BID ITEM = 12010500											
Description = Viaduct height < 60'											
\$0.00			Land Item	SCHEDULE:	1	100					
0.000				Unit =	LF	Takeoff Quan:	1.000	Engr Quan:		0.000	
				[]							
	1 LF										
<hr/>											
<hr/>											
Total of Above Sub-Biditems											
<hr/>											
=====> Item Totals: 12010000 - CRT Viaduct											
\$0.00				[]							
0.000											
	100 LF										
<hr/>											
<hr/>											
<hr/>											
PARENT ITEM 12020000											
Description = CRT Stations & facilities											
				Unit =	LS	Takeoff Quan:	100.000	Engr Quan:		100.000	
Listing of Sub-Biditems of Parent Item 12020000:											
BID ITEM = 12020100											
Description = Hillburn Station											
			Land Item	SCHEDULE:	1	100					
				Unit =	SF	Takeoff Quan:	100.000	Engr Quan:		0.000	
<hr/>											
10000 Furnish Materials											
Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287											
<i>There are no cost resources for this activity.</i>											
<hr/>											
10050 Subcontract Item											
Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287											
4HILLBURN	Hillburn Station Sub		1.00 LS	50,000,000.000						50,000,000	50,000,000

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total	
<hr/>																
BID ITEM = 12020200				Land Item	SCHEDULE:	1	100									
Description = CRT Maintenance Facility					Unit =	SF	Takeoff	Quan:	100.000		Engr	Quan:		0.000		
10000	Furnish Materials				Quan:	100.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
<i>There are no cost resources for this activity.</i>																
10050	Subcontract Item				Quan:	100.00	SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
4CRTFACILITY	CRT Facility		1.00	LS	15,000,000.000										15,000,000	15,000,000
<hr/>																
BID ITEM = 12020300				Land Item	SCHEDULE:	1	100									
Description = Monsey Station					Unit =	SF	Takeoff	Quan:	100.000		Engr	Quan:		0.000		
10000	Furnish Materials				Quan:	100.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
<i>There are no cost resources for this activity.</i>																
10050	Subcontract Item				Quan:	100.00	SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
4STATION	Station Sub		1.00	LS	8,000,000.000										8,000,000	8,000,000
<hr/>																
BID ITEM = 12020400				Land Item	SCHEDULE:	1	100									
Description = Vent Buildings					Unit =	EA	Takeoff	Quan:	100.000		Engr	Quan:		0.000		
10000	Furnish Materials				Quan:	100.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
<i>There are no cost resources for this activity.</i>																
10050	Subcontract Item				Quan:	100.00	SF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287			
4VENTB	Vent Building Sub		0.00	LS	2,000,000.000											

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 = 12020500

Description = Access Shafts

Land Item SCHEDULE: 1 100
Unit = EA Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10050 Subcontract Item Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

4ACCESS Access Shaft Sub 1.00 LS 2,000,000.000 2,000,000 2,000,000

BID ITEM = 12020600

Description = Substations

Land Item SCHEDULE: 1 100
Unit = EA Takeoff Quan: 100.000 Engr Quan: 0.000

10000 Furnish Materials Quan: 100.00 EA Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10050 Subcontract Item Quan: 100.00 SF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

4SUBST Sub Station 1.00 LS 2,000,000.000 2,000,000 2,000,000

Total of Above Sub-Biditems

=====> Item Totals: 12020000 - CRT Stations & facilities

\$77,000,000.00 [] 77,000,000 77,000,000

770,000.000 100 LS 770,000.00 770,000.00

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
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PARENT ITEM 12030000

Description = CRT Track Infrastructure Unit = LF Takeoff Quan: 16,000.000 Engr Quan: 16,000.000

Listing of Sub-Biditems of Parent Item 12030000:

BID ITEM = 12030100

Description = Direct Fixation Land Item SCHEDULE: 1 100 Unit = LF Takeoff Quan: 100.000 Engr Quan: 0.000

10100 Furnish Rail Quan: 200.00 TF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

2RAIL Rail 136 RE@110% 200.00 TF 60.200 13,244 13,244 **Unreviewed

10200 Plinth Rebar Quan: 1,922.82 LB Hrs/Shft: 10.00 Cal: 510 WC:NYI287

RPLR Rail - Plinth Rebar 0.54 CH Prod: 499.9792 UM Lab Pcs: 7.00 Eqp Pcs: 4.00
2REBAR Rebar@110% 1,922.82 LB 0.650 1,375 1,375
8AC900 Air Compressor - 900 1.00 0.55 HR 88.850 19 30 49
8ADDSTM Addon - Small Tool& 1.00 0.55 HR 2.650 1 1
8CRNG20T Grove RT58E 20 Ton 1.00 0.55 HR 70.000 28 11 39
8TPU Pickup Truck 1.00 0.55 HR 9.870 2 4 5
IRW-F Iron Worker - Forema 1.00 0.55 MH 54.670 61 61
IRW-J Iron Worker - Rigger 1.00 0.55 MH 51.830 59 59
IRW-LR Iron Worker - Lather/ 5.00 2.75 MH 50.250 290 290
\$1,878.85 0.0020 MH/LB 3.8500 MH [0.102] 410 1,375 50 44 1,879
3,560.7778 Units/H 35,607.7778 Un/Shift 499.4356 Unit/M * 0.21 0.72 0.03 0.02 0.98

10300 Form Plinths Quan: 200.00 TF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

RPLF Rail - Plinth Form Crew 23.33 CH Prod: 0.7000 MU Lab Pcs: 6.00 Eqp Pcs: 4.00
2FORMPLNTH Plinth Form@110% 200.00 TF 1.000 220 220
8AC900 Air Compressor - 900 1.00 23.33 HR 88.850 817 1,256 2,073
8ADDSTM Addon - Small Tool& 1.00 23.33 HR 2.650 50 12 62

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/>											
BID ITEM = 12030100			Land Item	SCHEDULE: 1	100						
Description = Direct Fixation			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
8CRNG20T	Grove RT58E 20 Ton	1.00	23.33 HR	70.000				1,167	467		1,633
8TPU	Pickup Truck	1.00	23.33 HR	9.870				79	152		230
CARP-F	Carpenter - Foreman	1.00	23.33 MH	45.500	2,317						2,317
CARP-J	Carpenter - Journeym	4.00	93.33 MH	40.250	8,646						8,646
OP-CR1	Operator - Crane Med	1.00	23.33 MH	46.300	2,341						2,341
\$17,521.21	0.6999 MH/TF	139.9900	MH	[29.491]	13,303	220		2,112	1,886		17,521
8.5727	Units/H	85.7265	Un/Shift	1.4287 Unit/M	66.52	1.10		10.56	9.43		87.61
<hr/>											
10400	Pour and Finish Plinth Conc			Quan: 200.00 CY	Hrs/Shft: 10.00	Cal: 510	WC:NYI287				
<u>RPLC</u>	Rail - Plinth Concrete		7.00 CH	Prod: 0.4200 MU	Lab Pcs: 12.00	Eqp Pcs: 9.00					
2CONC	Concrete - Ready @1		200.00 CY	141.000	31,020						31,020
8AC900	Air Compressor - 900	1.00	7.00 HR	88.850				245	377		622
8ADDSTM	Addon - Small Tool&	1.00	7.00 HR	2.650				15	4		19
8CNCBOOM	Concrete Pump Boom	1.00	7.00 HR	73.810				360	157		517
8CNCCNV	Concrete Conveyer (5	1.00	7.00 HR	18.600				61	69		130
8CNCCURE	Concrete Cure Equip	1.00	7.00 HR	80.000				455	105		560
8CNCP50	Concrete Pump - 50 c	1.00	7.00 HR	18.760				101	31		131
8CNCPE1	Concrete Place Equip	1.00	7.00 HR	44.800				280	34		314
8CNCWT	Concrete Work Tools	1.00	7.00 HR	4.310				30			30
8CRNG20T	Grove RT58E 20 Ton	1.00	7.00 HR	70.000				350	140		490
CNC-F	Concrete Worker - Fr	1.00	7.00 MH	36.000	611						611
CNC-J	Concrete Worker - Jo	4.00	28.00 MH	34.000	2,371						2,371
CONF-J	Conc Finisher - Journ	4.00	28.00 MH	36.700	2,467						2,467
CONF-N	Conc Finisher - Nozzl	1.00	7.00 MH	38.000	628						628
OP-CR1	Operator - Crane Med	1.00	7.00 MH	46.300	702						702
OP-OIL	Equip Oiler	1.00	7.00 MH	43.780	680						680
\$41,292.14	0.4200 MH/CY	84.0000	MH	[15.641]	7,460	31,020		1,897	916		41,292
28.5714	Units/H	285.7143	Un/Shift	2.3810 Unit/M	37.30	155.10		9.48	4.58		206.46

**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/>											
BID ITEM = 12030100		Land Item	SCHEDULE: 1	100							
Description = Direct Fixation		Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000			
<hr/>											
10500	Dist & Set Fasteners	Quan: 200.00	TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
											**Unreviewed
<u>RTK7</u>	Rail Track Crew - 7 man	3.25	CH	Prod: 0.1300 MU	Lab Pcs: 8.00	Eqp Pcs: 4.00					
2RAILFASNER	Rail Fasteners@110%	200.00	TF	122.000	26,840						26,840
8AC900	Air Compressor - 900	1.00	3.25	HR	88.850			114	175		289
8ADDSTM	Addon - Small Tool&	1.00	3.25	HR	2.650			7	2		9
8CRNG20T	Grove RT58E 20 Ton	1.00	3.25	HR	70.000			163	65		228
8TPU	Pickup Truck	1.00	3.25	HR	9.870			11	21		32
TR-L	Track Labor	1.00	3.25	MH	32.000	267					267
TR-LF	Track Labor Foreman	7.00	22.75	MH	34.000	1,927					1,927
\$29,590.46	0.1300 MH/TF	26.0000	MH	[4.388]	2,194	26,840		294	263		29,590
61.5385	Units/H	615.3846	Un/Shift	7.6923 Unit/M	10.97	134.20		1.47	1.31		147.95
<hr/>											
10600	Unload & Temp Fasten Rail	Quan: 100.00	TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
											**Unreviewed
<u>RUH</u>	Rail Unload Haul	0.62	CH	Prod: 1,600.0000 US	Lab Pcs: 7.00	Eqp Pcs: 6.00					
8AC900	Air Compressor - 900	1.00	0.63	HR	88.850			22	34		56
8ADDSTM	Addon - Small Tool&	1.00	0.63	HR	2.650			1			2
8CRNG40T	Grove RT640E 40 To	1.00	0.63	HR	110.000			50	19		69
8CRNRIG	Crane Rigging Equip	1.00	0.63	HR	30.000			16	3		19
8CRNRSW	Speed Swing	1.00	0.63	HR	69.750			38	6		44
8TPU	Pickup Truck	1.00	0.63	HR	9.870			2	4		6
OP-CR1	Operator - Crane Med	1.00	0.63	MH	46.300	63					63
OP-OIL	Equip Oiler	1.00	0.63	MH	43.780	61					61
TR-L	Track Labor	1.00	0.63	MH	32.000	52					52
TR-LF	Track Labor Foreman	4.00	2.50	MH	34.000	212					212
\$583.85	0.0439 MH/TF	4.3900	MH	[1.619]	388			129	67		584
161.2903	Units/H	1,612.9032	Un/Shift *	22.7790 Unit/M	3.88			1.29	0.67		5.84

**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 = 12030100		Land Item	SCHEDULE: 1	100							
Description = Direct Fixation		Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000				
10700	Fasten Surf, Align, Destress Rail	Quan: 200.00	TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
											**Unreviewed
RTK7	Rail Track Crew - 7 man	8.75	CH	Prod: 0.3500	MU	Lab Pcs: 8.00	Eqp Pcs: 4.00				
8AC900	Air Compressor - 900	1.00	8.75	HR	88.850		306	471			777
8ADDSTM	Addon - Small Tool&	1.00	8.75	HR	2.650		19	4			23
8CRNG20T	Grove RT58E 20 Ton	1.00	8.75	HR	70.000		438	175			613
8TPU	Pickup Truck	1.00	8.75	HR	9.870		29	57			86
TR-L	Track Labor	1.00	8.75	MH	32.000	719					719
TR-LF	Track Labor Foreman	7.00	61.25	MH	34.000	5,187					5,187
\$7,405.12	0.3500 MH/TF	70.0000	MH	[11.813]	5,906		792	707			7,405
22.8571	Units/H	228.5714	Un/Shift	2.8571	Unit/M	29.53		3.96	3.54		37.03
10800	Field Weld Rail	Quan: 8.00	EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
											**Unreviewed
WLD	Weld Crew	6.66	CH	Prod: 5.0000	MU	Lab Pcs: 6.00	Eqp Pcs: 6.00				
2RAILWLD	Rail Weld Materia@1	8.00	EA	121.000		1,065					1,065
8ADDSTM	Addon - Small Tool&	1.00	6.67	HR	2.650		14	3			18
8GEN100	Genset - 100 kW	1.00	6.67	HR	35.500		40	196			237
8WELDTRK	Weld Truck/ Marine	1.00	6.67	HR	55.000		334	33			367
8WLD500	Welder - 500 Amp Di	2.00	13.33	HR	13.810		17	167			184
8WLDHUT	Weld Hut Equip	1.00	6.67	HR	80.000		434	100			534
OP-OIL	Equip Oiler	1.00	6.67	MH	43.780	648					648
WALKB	Walking Boss	1.00	6.67	MH	37.500	595					595
WELD-A	Welder - Apprentice	2.00	13.33	MH	37.400	1,187					1,187
WELD-J	Welder - Journeyman	2.00	13.33	MH	43.400	1,288					1,288
\$6,120.85	5.0000 MH/EA	40.0000	MH	[202.4]	3,717	1,065		839	500		6,121
1.2012	Units/H	12.0120	Un/Shift	0.2000	Unit/M	464.63	133.10	104.90	62.47		765.11

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost		Perm Labor	Material	Constr Matl/Ex Ownershi	Equipme Equipme Operatio	Sub- Contract	Total
<hr/>											
BID ITEM = 12030100			Land Item	SCHEDULE: 1	100						
Description = Direct Fixation			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:		0.000		
10900	Rail Grinding (sub)		Quan: 200.00 TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
4RAILGRND	Rail Grinding Sub	200.00 TF	2.450							490	**Unreviewed 490
10910	Signal and Lighting (sub)		Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
4RAILSYSTMS	Systms, Lights, Signal	100.00 LF	150.000							15,000	**Unreviewed 15,000
11000	Site Setup, Weld Yard, Stage Area		Quan: 0.01 LS	Hrs/Shft: 10.00	Cal: 510	WC:NYI287					
4SETUP	Site Set up	0.01 EA	20,000.000							200	**Unreviewed 200
<hr/>											
=====> Item Totals: 12030100 - Direct Fixation											
\$133,326.48	3.6823 MH/LF	368.23 MH	[142.443]	33,377	73,764	6,113	4,383	15,690	133,326		
1,333.265	100 LF			333.77	737.64	61.13	43.83	156.90	1,333.26		

BID ITEM = 12030200		Land Item	SCHEDULE: 1		100					
Description = Ballasted			Unit =	LF	Takeoff Quan:	100.000	Engr Quan:	0.000		
10100	Furnish Rail		Quan: 200.00	TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
2RAIL	Rail 136 RE@110%	200.00 TF	60.200			13,244			13,244	**Unreviewed
10200	Initial Ballast		Quan: 150.00	TON	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>RTK7</u>	Rail Track Crew - 7 man	3.00 CH	Prod: 50.0000	UH	Lab Pcs:	8.00	Eqp Pcs:	4.00		
2REBAR	Rebar@110%	150.00 LB	0.650			107			107	**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/>										
BID ITEM = 12030200			Land Item	SCHEDULE: 1	100					
Description = Ballasted			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8AC900	Air Compressor - 900	1.00	3.00 HR	88.850			105	162		267
8ADDSTM	Addon - Small Tool&	1.00	3.00 HR	2.650			6	2		8
8CRNG20T	Grove RT58E 20 Ton	1.00	3.00 HR	70.000			150	60		210
8TPU	Pickup Truck	1.00	3.00 HR	9.870			10	20		30
TR-L	Track Labor	1.00	3.00 MH	32.000	246					246
TR-LF	Track Labor Foreman	7.00	21.00 MH	34.000	1,778					1,778
\$2,646.16	0.1600 MH/TON	24.0000	MH	[5.4]	2,025	107	272	243		2,646
50.0000	Units/H*	500.0000	Un/Shift	6.2500 Unit/M	13.50	0.72	1.81	1.62		17.64
10250	Offload and Store Ties			Quan: 42.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>RUH</u>	Rail Unload Haul		0.84 CH	Prod: 50.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	6.00		
8AC900	Air Compressor - 900	1.00	0.84 HR	88.850			29	45		75
8ADDSTM	Addon - Small Tool&	1.00	0.84 HR	2.650			2			2
8CRNG40T	Grove RT640E 40 To	1.00	0.84 HR	110.000			67	25		92
8CRNRIG	Crane Rigging Equip	1.00	0.84 HR	30.000			21	4		25
8CRNRSW	Speed Swing	1.00	0.84 HR	69.750			50	8		59
8TPU	Pickup Truck	1.00	0.84 HR	9.870			3	5		8
OP-CR1	Operator - Crane Med	1.00	0.84 MH	46.300	84					84
OP-OIL	Equip Oiler	1.00	0.84 MH	43.780	82					82
TR-L	Track Labor	1.00	0.84 MH	32.000	69					69
TR-LF	Track Labor Foreman	4.00	3.36 MH	34.000	285					285
\$780.73	0.1400 MH/EA	5.8800	MH	[5.162]	519		173	89		781
50.0000	Units/H*	500.0000	Un/Shift	7.1429 Unit/M	12.37		4.11	2.11		18.59
10275	Load and Haul Ties			Quan: 42.00 EA	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
<u>RUH</u>	Rail Unload Haul		0.84 CH	Prod: 50.0000 UH	Lab Pcs:	7.00	Eqp Pcs:	6.00		
8AC900	Air Compressor - 900	1.00	0.84 HR	88.850			29	45		75
8ADDSTM	Addon - Small Tool&	1.00	0.84 HR	2.650			2			2
8CRNG40T	Grove RT640E 40 To	1.00	0.84 HR	110.000			67	25		92

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/>										
BID ITEM = 12030200			Land Item	SCHEDULE: 1	100					
Description = Ballasted			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8CRNRIG	Crane Rigging Equip	1.00	0.84 HR	30.000			21	4		25
8CRNRSW	Speed Swing	1.00	0.84 HR	69.750			50	8		59
8TPU	Pickup Truck	1.00	0.84 HR	9.870			3	5		8
OP-CR1	Operator - Crane Med	1.00	0.84 MH	46.300	84					84
OP-OIL	Equip Oiler	1.00	0.84 MH	43.780	82					82
TR-L	Track Labor	1.00	0.84 MH	32.000	69					69
TR-LF	Track Labor Foreman	4.00	3.36 MH	34.000	285					285
\$780.73	0.1400 MH/EA	5.8800	MH	[5.162]	519		173	89		781
50.0000	Units/H*	500.0000	Un/Shift	7.1429 Unit/M	12.37		4.11	2.11		18.59
<hr/>										
10500	Dist Ties			Quan: 200.00 TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>RTK7</u>	Rail Track Crew - 7 man		3.25 CH	Prod: 0.1300 MU	Lab Pcs: 8.00	Eqp Pcs: 4.00				
2RAILFASNER	Rail Fasteners@110%	200.00	TF	122.000	26,840					26,840
8AC900	Air Compressor - 900	1.00	3.25 HR	88.850			114	175		289
8ADDSTM	Addon - Small Tool&	1.00	3.25 HR	2.650			7	2		9
8CRNG20T	Grove RT58E 20 Ton	1.00	3.25 HR	70.000			163	65		228
8TPU	Pickup Truck	1.00	3.25 HR	9.870			11	21		32
TR-L	Track Labor	1.00	3.25 MH	32.000	267					267
TR-LF	Track Labor Foreman	7.00	22.75 MH	34.000	1,927					1,927
\$29,590.46	0.1300 MH/TF	26.0000	MH	[4.388]	2,194	26,840	294	263		29,590
61.5385	Units/H	615.3846	Un/Shift	7.6923 Unit/M	10.97	134.20	1.47	1.31		147.95
<hr/>										
10600	Unload & Fasten Rail to Ties			Quan: 200.00 TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
										**Unreviewed
<u>RUH</u>	Rail Unload Haul		1.25 CH	Prod: 1,600.0000 US	Lab Pcs: 7.00	Eqp Pcs: 6.00				
8AC900	Air Compressor - 900	1.00	1.25 HR	88.850			44	67		111
8ADDSTM	Addon - Small Tool&	1.00	1.25 HR	2.650			3	1		3
8CRNG40T	Grove RT640E 40 To	1.00	1.25 HR	110.000			100	38		138
8CRNRIG	Crane Rigging Equip	1.00	1.25 HR	30.000			31	6		38

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/>										
BID ITEM = 12030200			Land Item	SCHEDULE: 1	100					
Description = Ballasted			Unit = LF	Takeoff Quan:	100.000	Engr Quan:	0.000			
8CRNRSW	Speed Swing	1.00	1.25 HR	69.750			75	12		87
8TPU	Pickup Truck	1.00	1.25 HR	9.870			4	8		12
OP-CR1	Operator - Crane Med	1.00	1.25 MH	46.300	125					125
OP-OIL	Equip Oiler	1.00	1.25 MH	43.780	121					121
TR-L	Track Labor	1.00	1.25 MH	32.000	103					103
TR-LF	Track Labor Foreman	4.00	5.00 MH	34.000	423					423
\$1,161.80	0.0437 MH/TF	8.7500	MH	[1.613]	773		257	132		1,162
160.0000	Units/H	1,600.0000	Un/Shift *	22.8571 Unit/M	3.86		1.28	0.66		5.81
<hr/>										
10650	Ballast 2nd Lift			Quan: 230.00 TN	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>RTK7</u>	Rail Track Crew - 7 man		4.60 CH	Prod: 50.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	4.00		
8AC900	Air Compressor - 900	1.00	4.60 HR	88.850			161	248		409
8ADDSTM	Addon - Small Tool&	1.00	4.60 HR	2.650			10	2		12
8CRNG20T	Grove RT58E 20 Ton	1.00	4.60 HR	70.000			230	92		322
8TPU	Pickup Truck	1.00	4.60 HR	9.870			16	30		45
TR-L	Track Labor	1.00	4.60 MH	32.000	378					378
TR-LF	Track Labor Foreman	7.00	32.20 MH	34.000	2,727					2,727
\$3,892.99	0.1600 MH/TN	36.8000	MH	[5.4]	3,105		416	372		3,893
50.0000	Units/H*	500.0000	Un/Shift	6.2500 Unit/M	13.50		1.81	1.62		16.93
<hr/>										
10675	Raise and Tamp			Quan: 200.00 LF	Hrs/Shift: 10.00	Cal: 510	WC:NYI287			
<u>RTK7</u>	Rail Track Crew - 7 man		4.00 CH	Prod: 50.0000 UH	Lab Pcs:	8.00	Eqp Pcs:	4.00		
8AC900	Air Compressor - 900	1.00	4.00 HR	88.850			140	215		355
8ADDSTM	Addon - Small Tool&	1.00	4.00 HR	2.650			9	2		11
8CRNG20T	Grove RT58E 20 Ton	1.00	4.00 HR	70.000			200	80		280
8TPU	Pickup Truck	1.00	4.00 HR	9.870			13	26		39
TR-L	Track Labor	1.00	4.00 MH	32.000	329					329
TR-LF	Track Labor Foreman	7.00	28.00 MH	34.000	2,371					2,371
\$3,385.21	0.1600 MH/LF	32.0000	MH	[5.4]	2,700		362	323		3,385

DIRECT COST REPORT

Activity	Description	Pcs	Quantity	Unit	Unit	Cost	Labor	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource														
BID ITEM = 12030200			Land Item		SCHEDULE: 1	100								
Description = Ballasted			Unit =		LF	Takeoff	Quan:	100.000	Engr	Quan:	0.000			
50.0000	Units/H*	500.0000	Un/Shift	6.2500	Unit/M	13.50				1.81	1.62	16.93		
10700	Fasten Surf, Align, Destress Rail				Quan:	200.00	TF	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
														**Unreviewed
<u>RTK7</u>	Rail Track Crew - 7 man		8.75	CH	Prod:	0.3500	MU	Lab Pcs:	8.00	Eqp Pcs:	4.00			
8AC900	Air Compressor - 900		1.00	8.75	HR	88.850				306	471	777		
8ADDSTM	Addon - Small Tool&		1.00	8.75	HR	2.650				19	4	23		
8CRNG20T	Grove RT58E 20 Ton		1.00	8.75	HR	70.000				438	175	613		
8TPU	Pickup Truck		1.00	8.75	HR	9.870				29	57	86		
TR-L	Track Labor		1.00	8.75	MH	32.000	719					719		
TR-LF	Track Labor Foreman		7.00	61.25	MH	34.000	5,187					5,187		
\$7,405.12	0.3500 MH/TF		70.0000	MH	[11.813]	5,906				792	707	7,405		
22.8571	Units/H	228.5714	Un/Shift	2.8571	Unit/M	29.53				3.96	3.54	37.03		
10800	Field Weld Rail				Quan:	8.00	EA	Hrs/Shft:	10.00	Cal:	510	WC:	NYI287	
														**Unreviewed
<u>WLD</u>	Weld Crew		6.66	CH	Prod:	5.0000	MU	Lab Pcs:	6.00	Eqp Pcs:	6.00			
2RAILWLD	Rail Weld Materia@1		8.00	EA	121.000			1,065				1,065		
8ADDSTM	Addon - Small Tool&		1.00	6.67	HR	2.650				14	3	18		
8GEN100	Genset - 100 kW		1.00	6.67	HR	35.500				40	196	237		
8WELDTRK	Weld Truck/ Marine		1.00	6.67	HR	55.000				334	33	367		
8WLD500	Welder - 500 Amp Di		2.00	13.33	HR	13.810				17	167	184		
8WLDHUT	Weld Hut Equip		1.00	6.67	HR	80.000				434	100	534		
OP-OIL	Equip Oiler		1.00	6.67	MH	43.780	648					648		
WALKB	Walking Boss		1.00	6.67	MH	37.500	595					595		
WELD-A	Welder - Apprentice		2.00	13.33	MH	37.400	1,187					1,187		
WELD-J	Welder - Journeyman		2.00	13.33	MH	43.400	1,288					1,288		
\$6,120.85	5.0000 MH/EA		40.0000	MH	[202.4]	3,717	1,065			839	500	6,121		
1.2012	Units/H	12.0120	Un/Shift	0.2000	Unit/M	464.63	133.10			104.90	62.47	765.11		

DIRECT COST REPORT

Activity Resource	Description	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Equipme Matl/Ex Ownershi	Equipme Operatio	Sub- Contract	Total
<hr/>										
BID ITEM = 12030200			Land Item	SCHEDULE: 1	100					
Description = Ballasted				Unit = LF	Takeoff Quan:	100.000	Engr Quan:		0.000	
10900	Rail Grinding (sub)			Quan: 200.00 TF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4RAILGRND	Rail Grinding Sub	200.00	TF	2.450					490	**Unreviewed 490
10910	Signal and Lighting (sub)			Quan: 100.00 LF	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4RAILSYSTMS	Systms, Lights, Signal	100.00	LF	150.000					15,000	**Unreviewed 15,000
11000	Site Setup, Weld Yard, Stage Area			Quan: 0.01 LS	Hrs/Shft: 10.00	Cal: 510	WC:NYI287			
4SETUP	Site Set up	0.01	EA	20,000.000					200	**Unreviewed 200
=====> Item Totals: 12030200 - Ballasted										
\$84,698.05	2.4931 MH/LF	249.31	MH	[87.474]	21,457	41,256	3,578	2,717	15,690	84,698
846.981	100 LF				214.57	412.56	35.78	27.17	156.90	846.98
<hr/>										
<hr/>										
Total of Above Sub-Biditems										
=====> Item Totals: 12030000 - CRT Track Infrastructure										
\$218,024.53	0.0385 MH/LF	617.54	MH	[1.437]	54,834	115,020	9,691	7,100	31,380	218,025
13.627	16000 LF				3.43	7.19	0.61	0.44	1.96	13.63
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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 12040000

Description = CRT Track Systems Unit = LF Takeoff Quan: 100.000 Engr Quan: 100.000

Listing of Sub-Biditems of Parent Item 12040000:

BID ITEM = 12040100

Description = Systems Land Item SCHEDULE: 1 100 Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

10200 Traction Power Supply Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10300 OCS (Traction Power Distribution) Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10400 Express Communications Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10500 Highway Grade / Station Ped Crossings Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10600 Communications at Passenger Stations Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10800 Control System Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

10900 Switching Stations Gear houses Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11000 Traction Power AC Transformers (115kv/25 Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

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 = 12040100

Description = Systems

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

11100 Traction Power Metering & Insulators Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11200 OCS Package Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11300 Switch Heater Layouts Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11400 167kva wayside substation (for signal po Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11500 15kva wayside substation (for signal pow Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11600 Signal Company (train Control) Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11700 Communications Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11800 OCS Poles, Gantries, and other Structure Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

11900 Utility Company Service Cost Quan: 1.00 LF Hrs/Shft: 10.00 Cal: 510 WC:NYI287

There are no cost resources for this activity.

=====> Item Totals: 12040100 - Systems

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/>										
BID ITEM = 12040100										
Description = Systems										
<div> <div>Land Item</div> <div>SCHEDULE: 1</div> <div>100</div> </div>										
<div> <div>Unit = LF</div> <div>Takeoff Quan:</div> <div>1.000</div> <div>Engr Quan:</div> <div>0.000</div> </div>										
<div> <div>\$0.00</div> <div>[]</div> </div>										
<div> <div>0.000</div> <div>1 LF</div> </div>										
<hr/>										
<hr/>										
Total of Above Sub-Biditems										
<hr/>										
<div> <div>=====> Item Totals:</div> <div>12040000 - CRT Track Systems</div> </div>										
<div> <div>\$0.00</div> <div>[]</div> </div>										
<div> <div>0.000</div> <div>100 LF</div> </div>										
<hr/>										
<hr/>										
<hr/>										
Total of Above Sub-Biditems										
<hr/>										
<div> <div>=====> Item Totals:</div> <div>12000000 - Commuter Rail transit</div> </div>										
<div> <div>\$77,218,024.53</div> <div>6.1754 MH/LS</div> <div>617.54 MH</div> <div>[229.917]</div> <div>54,834</div> <div>115,020</div> <div>9,691</div> <div>7,100</div> <div>77,031,380</div> <div>77,218,025</div> </div>										
<div> <div>772,180.245</div> <div>100 LS</div> <div>548.34</div> <div>1,150.20</div> <div>96.91</div> <div>71.00</div> <div>770,313.80</div> <div>772,180.25</div> </div>										
<hr/>										
<hr/>										
<hr/>										
<div> <div>\$255,759,758.85 *** Report Totals *** 590,363.60</div> <div>MH</div> <div>53,657,071</div> <div>84,171,688</div> <div>228,000</div> <div>14,452,326</div> <div>8,487,279</div> <div>94,763,395</div> <div>255,759,759</div> </div>										

>>> indicates Non Additive Activity

-----Report 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 = 12040100 Land Item SCHEDULE: 1 100
Description = Systems Unit = LF Takeoff Quan: 1.000 Engr Quan: 0.000

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:

JOB NOTES

Estimate created on: 08/15/2008 by User#: 2 - Adam Finkin
Source estimate used: X:\INFRAS~1\HEAVYBID\EST\ESTMAST

*****Estimate created on: 07/29/2009 by User#: 2 - Adam Finkin
Source estimate used: X:\INFRAS~1\HEAVYBID\EST\08MAST04

*****Estimate created on: 07/29/2009 by User#: 1 - Bill Maddex
Source estimate used: X:\INFRAS~1\HEAVYBID\EST\09DUSEL_M_01

*****Estimate created on: 07/31/2009 by User#: 2 - Adam Finkin
Source estimate used: X:\INFRAS~1\HEAVYBID\EST\09DUSEL_C_02

*****Estimate created on: 10/07/2009 by User#: 2 - Adam Finkin
Source estimate used: X:\INFRAS~1\HEAVYBID\EST\09DUSEL_C_03

*****Estimate created on: 10/15/2009 by User#: 4 - Chris Esparza
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL04

*****Estimate created on: 11/02/2009 by User#: 3 - Colm Tully
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL05

*****Estimate created on: 11/16/2009 by User#: 2 - Adam Finkin

DIRECT COST REPORT

Activity	Description	Quantity	Unit	Unit	Cost	Labor	Material	Perm	Constr	Equipme	Equipme	Sub-	Contract	Total
Resource		Pcs												
BID ITEM = 12040100														
Description = Systems			Land Item	SCHEDULE: 1	100									
			Unit =	LF	Takeoff Quan:	1.000			Engr Quan:				0.000	
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL_S														
*****Estimate created on: 12/07/2009 by User#: 4 - Chris Esparza														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL06														
*****Estimate created on: 12/08/2009 by User#: 0 -														
Source used: C:\PROJECTS\HCSS\09SD_DUSEL07.zip (a backup) from 12/08/2009 6:09:14 PM														
*****Estimate created on: 12/11/2009 by User#: 2 - Adam Finkin														
Source used: W:\AACCESS\1 AACCESS PROJECT FOLDER\208795 DUSEL\2 ESTIMATE\2-01 ESTIMATE BACK UP HCSS\ESTIMATE BACK UPS - FINAL\09SD_DUSEL07.zip (a backup) from 12/11/2009 9:54:41 AM														
*****Estimate created on: 12/11/2009 by User#: 2 - Adam Finkin														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL07														
*****Estimate created on: 12/17/2009 by User#: 2 - Adam Finkin														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL08														
*****Estimate created on: 12/17/2009 by User#: 2 - Adam Finkin														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL09														
*****Estimate created on: 01/11/2010 by User#: 3 - Colm Tully														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL10														
*****Estimate created on: 01/14/2010 by User#: 4 - Chris Esparza														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL11														
*****Estimate created on: 01/19/2010 by User#: 0 -														
Source used: C:\HEAVYBID\HBSAVE\09SD_DUSEL12.zip (a backup) from 01/19/2010 5:46:27 PM														
*****Estimate created on: 02/02/2010 by User#: 3 - Colm Tully														
Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\09SD_DUSEL12														

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 = 12040100

Description = Systems

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

*****Estimate created on: 02/04/2010 by User#: 0 -

Source used: C:\HEAVYBID\HBSAVE\10SD_DUSEL13.zip (a backup) from 02/04/2010 6:47:31 PM

*****Estimate created on: 03/16/2010 by User#: 4 - Chris Esparza

Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\10SD_DUSEL13

*****Estimate created on: 04/05/2010 by User#: 2 - Adam Finkin

Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\10SD_DUSEL_M

*****Estimate created on: 04/14/2010 by User#: 2 - Adam Finkin

Source estimate used: X:\INFRASTRUCTURE\HEAVYBID\EST\10SD_FERMI01

*****Estimate created on: 04/29/2010 by User#: 0 -

Source estimate used: C:\HEAVYBID\EST\10SD_FRMI_1A

*****Estimate created on: 05/05/2010 by User#: 0 -

Source estimate used: C:\HEAVYBID\EST\10SD_FMI1A_2

*****Estimate created on: 05/07/2010 by User#: 3 - Colm Tully

Source used: W:\AACCESS\1 AACCESS PROJECT FOLDER\211674-00 FERMI LAB\2 ESTIMATE\5-7-10 FERMI
ESTIMATE\10SD_FMI1A_3.zip (a backup) from 05/07/2010 11:05:30 AM

*****Estimate created on: 05/15/2010 by User#: 0 -

Source used: C:\DOCUMENTS AND SETTINGS\ADAM.FINKIN\DESKTOP\FINAL FERMI LAB\5-13-2010 FERMI HCSS\10SD_FMI1A_3.zip
(a backup) from 05/13/2010 3:18:26 PM

*****Estimate created on: 06/17/2010 by User#: 0 -

Source estimate used: C:\HEAVYBID\EST\10SD_FMI1A_4

*****Estimate created on: 10/07/2010 by User#: 0 -

Source estimate used: C:\HEAVYBID\EST\10SD_FML1A_5

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 = 12040100

Description = Systems

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

*****Estimate created on: 12/03/2010 by User#: 2 - Adam Finkin

Source used: C:\DOCUMENTS AND SETTINGS\ADAM.FINKIN\DESKTOP\10_I-287_01.zip (a backup) from 12/03/2010 1:44:43 PM

*****Estimate created on: 12/05/2010 by User#: 0 -

Source used: C:\DOCUMENTS AND SETTINGS\ADAM.FINKIN\DESKTOP\FROM ERIC\10_I-287_01.zip (a backup) from 12/05/2010 10:54:40 PM

* 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.

508 Five Eight Hour Days
510 5 days x 10 hrs / day
720 7 Day Wks - 2x10 Hr Shifts