

115-15 - LOCKPORT CITY SCHOOL DIST

Project Name: LOCKPORT CITY SCHOOL DIST
PHASE II - 2013 CAPITAL IMPROVEMENTS
VARIOUS SCHOOLS
Estimate Prepared for
KLEIN REINFORCING SVCES
LOCKPORT, NY USA

County: NIAGARA

Architect: TRAUTMAN ASSOCIATES
Engineer: TRAUTMAN ASSOCIATES
Customer: unknown customer

Estimator:
Creation Date: 2/17/1998
Last Modified: 1/14/2015
Status: Complete

Job Type: Lump Sum

Escalation: No

Cover Page Comments:

THIS ESTIMATE FILE DESCRIBES CONCRETE REINFORCING STEEL IN THREE (3) NEW
ADDITIONS AT DIFFERENT SCHOOLS, AND AN ALTERNATE ADD INVOLVING WORK AT
FIVE (5) DIFFERENT SCHOOL BUILDINGS.

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INCLUDED ITEMS AS SEGMENTS:

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"FOUNDATIONS"

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[FOOTINGS, FOUNDATION WALLS,
DWLS TO MASONRY WALLS, DWLS TO SLABS ]

"SLABS ON GRADE"

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[W/MESH AND/OR BARS & SUPPORTS FOR WWMESH AND FOR TOP BARS]
WWMESH & BAR SUPPORTS ARE ESTIMATED AT 48" OC

ASSUMPTIONS:

SUPPORTS FOR MESH IN SLABS ON GRADE,

EXCLUDES:

EPOXY COATED BARS, GALVANIZED BARS, STAINLESS STEEL BARS,
MANHOLES, CATCH BASINS, LIGHT POLE BASES, CONCRETE ENCASED DUCT BANKS,
PRECAST CONCRETE, PRECAST PLANKS AND PANELS, SUPPORTS FOR REBAR PLACED
ON GRADE, CONSTRUCTION JOINT DWLS,
ADDITIONAL BARS FOR OPENINGS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
SUPPORT BARS FOR TOP MAT SUPPORT (ASSUMING FIELD TO "DROP A BAR").
AND WWMESH IN THE STAIR PAN STEPS.

MATERIAL SPECIFICATIONS:

REINFORCING BARS: A615 - 60 (UNCOATED)

ESTIMATED per CRSI MANUAL OF STANDARD PRACTICES

WELDED WIRE MESH: A185, QUANTITIES SHOWN ARE FOR UNIT
PRICING ONLY, AND INCLUDE 25% FOR 8"LAP (ASSUMING 5X10 SHTS)

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Bid Date: 1/14/2015

Line	Mat	Func	Placing	Grd	Qty	Span	Spog	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
Segment: ALT. 6; ADD MASONRY SIGN BASES (Excluded)																			
1	MT	A001 MASONRY SIGN BASES																	
2	TR	BF		60	3			5	5/16	S	0-03	9-10	0-03					162	B/FTG LW
3	TR	BF		60		10-00	1-06	5*2	5/16	H	S90	0-09	3-00					382	DEF - DWLS
4	TR	BF		60	2*4			5	4/13	S	9-06							254	HEF -
5	TR	BF		60	2*4			5	5/16	S	5-00							209	DWLS TO

Total for Segment: ALT. 6; ADD MASONRY SIGN BASES (Excluded)

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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**** Grade 60, Black ****

4/13	254	254	0	0	0
5/16	753	371	382	0	0
	<u>1,007</u>	<u>625</u>	<u>382</u>	<u>0</u>	<u>0</u>

THE AVERAGE BAR SIZE DESIGNATION IS: 5/16

THE AVERAGE BAR SIZE FACTOR (Lbs/Ft) IS: 0.914

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
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Segment: FOUNDATIONS

6	MT	END OF ALTERNATE 6																	
7	MT	SOUTHARD ELEMENTARY COOLER/FREEZER																	
8	TR	BF		60	4			3	6/19	S	1-06							27	DWLS TO
9	TR	LS		60	3				5/16	S	57-00				0	2-07	20-00	203	B/FTG LW
10	TR	BF		60		57-00	1-06	2	5/16	H	S90	2-06						271	DEF - DWLS
11	TR	BF		60		57-00	1-06	2	5/16	S	4-00							325	VEF -
12	TR	LS		60	4			2	5/16	S	57-00				0	2-07	20-00	540	HEF -
13	TR	BF		60	4			3	5/16	H	5-00							63	HEF CRNRS
14	TR	LS		60	3				5/16	S	55-00				0	2-07	20-00	196	B/FTG LW
15	TR	BF		60		55-00	1-06	1	5/16	H	S90	2-06						132	DEF - DWLS
16	TR	BF		60		55-00	1-06	1	5/16	S	4-00							159	VEF -
17	TR	LS		60	5			2	5/16	S	55-00				0	2-07	20-00	654	HEF -
18	TR	BF		60	5			4	5/16	H	5-00							104	HOR CRNRS
19	TR	RA		60		1-06	1-06		5/16	S	11-00	5-00				60D	40-00	104	EW - 8" SOG
20	TR	BF		60	6				5/16	H	5-00							31	DTSOG
25	TR	BF		60	2*3			3	5/16	S	2-06							47	POST FOOTING
26	TR	BF		60	4*3			3	4/13	S	1-00							24	DWLS
27	TR	BF		60	3			3	5/16	S	0-03	9-10	0-03					97	B/FTG LW
28	TR	BF		60		10-00	1-06	3*2	5/16	H	S90	0-09	3-00					229	DEF - DWLS
29	TR	BF		60	2*4			3	4/13	S	9-06							152	HEF -
30	TR	BF		60	2*4			3	5/16	S	5-00							125	DWLS TO
31	MT	MERRITT ELEMENTARY COOLER/FREEZER																	
32	TR	BF		60	4			3	6/19	S	1-06							27	DWLS TO
33	TR	LS		60	3				5/16	S	57-00				0	2-07	20-00	203	B/FTG LW
34	TR	BF		60		41-00	1-06	2	5/16	H	S90	2-06						202	DEF - DWLS
35	TR	BF		60		41-00	1-06	2	5/16	S	4-00							242	VEF -
36	TR	LS		60	4			2	5/16	S	41-00				0	2-07	20-00	385	HEF -
37	TR	BF		60	4			3	5/16	H	5-00							63	HEF CRNRS
38	TR	LS		60	3				5/16	S	41-00				0	2-07	20-00	144	B/FTG LW
39	TR	BF		60		41-00	1-06	1	5/16	H	S90	2-06						101	DEF - DWLS
40	TR	BF		60		41-00	1-06	1	5/16	S	4-00							121	VEF -
41	TR	LS		60	5			2	5/16	S	41-00				0	2-07	20-00	482	HEF -
42	TR	BF		60	5			4	5/16	H	5-00							104	HOR CRNRS
47	MT	CHARLOTTE CROSS ELEMENTARY ADDITION																	
48	TR	BF		60	4			2	6/19	S	1-06							18	DWLS TO
49	TR	LS		60	2				5/16	S	24-00				0	2-07	20-00	55	B/FTG LW
50	TR	BF		60		24-00	1-00	2	4/13	H	S90	2-00						89	DEF - DWLS
51	TR	BF		60		24-00	1-06	2	4/13	S	7-00							159	VEF -
52	TR	LS		60		7-00	1-06	2	5/16	S	24-00				0	0-00	20-00	300	HEF -
53	TR	BF		60		7-00	1-06	1	5/16	H	6-00							38	HEF CRNRS
54	TR	BF		60	6				5/16	H	5-00							31	DTSOG

Total for Segment: FOUNDATIONS

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
4/13	424	335	89	0	0
5/16	5,754	4,385	1,369	0	2,859
6/19	72	72	0	0	0
	<u>6,250</u>	<u>4,792</u>	<u>1,458</u>	<u>0</u>	<u>2,859</u>

**** Grade 60, Black ****

THE AVERAGE BAR SIZE DESIGNATION IS: 5/16

THE AVERAGE BAR SIZE FACTOR (Lbs/Ft) IS: 1.008

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Line	Mat	Func	Placing	Grd	Qty	Span	Spog	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
Segment: SLAB ON GRADE																				
21	TI	sf			11		28		ms662.9								25.000%	0	5" SOG	
22	TI	ft			4		30		ac2sbu								10.000%	0	5" SOG	
23	TI	sf			200				ms662.9								25.000%	0	5" SOG	
24	TI	ft			200		.26		ac2sbu								10.000%	0	5" SOG	
43	TI	sf			11		28		ms662.9								25.000%	0	5" SOG	
44	TI	ft			4		30		ac2sbu								10.000%	0	5" SOG	
45	TI	sf			200				ms662.9								25.000%	0	5" SOG	
46	TI	ft			200		.26		ac2sbu								10.000%	0	5" SOG	
55	TI	sf			15		7		ms442.9								25.000%	0	5" SOG	
56	TI	ft			3		15		ac2sbu								10.000%	0	5" SOG	
57	TI	sf			200				ms662.9								25.000%	0	5" SOG	
58	TI	ft			200		.26		ac2sbu								10.000%	0	5" SOG	
59	MT	END OF REINFORCING STEEL TAKEOFF																		
60	TR	BF			60	1			4/13	S	1-00								1	

Total for Segment: SLAB ON GRADE

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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**** Grade 60, Black ****

4/13	1	1	0	0	0
	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>

THE AVERAGE BAR SIZE DESIGNATION IS: 4/13

THE AVERAGE BAR SIZE FACTOR (Lbs/Ft) IS: 0.668

****** Miscellaneous Item Summary ******

Accessories/feet

ac2sbu	2" SBU	485.100 ft	0 Lbs
Subtotal			0 Lbs

Mesh Sheets

ms442.9	4 x 4 W2.9/W2.9 Mesh x 5 x 10.	131.250 sf	0 Lbs
ms662.9	6 x 6 W2.9/W2.9 Mesh x 5 x 10 sheets	1,520.000 sf	0 Lbs
Subtotal			0 Lbs

Subtotal

Grand Total

0 Lbs

Estimate Totals

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
4/13	425	336	89	0	0
5/16	5,754	4,385	1,369	0	2,859
6/19	72	72	0	0	0
	6,251	4,793	1,458	0	2,859

THE AVERAGE BAR SIZE DESIGNATION IS: 5/16

THE AVERAGE BAR SIZE FACTOR (Lbs/Ft) IS: 1.008

Estimate Totals

**** Miscellaneous Item Summary ****

Accessories/feet

ac2sbu	2" SBU	485.100 ft	0 Lbs
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Subtotal

0 Lbs

Mesh Sheets

ms442.9	4 x 4 W2.9/W2.9 Mesh x 5 x 10.	131.250 sf	0 Lbs
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ms662.9	6 x 6 W2.9/W2.9 Mesh x 5 x 10 sheets	1,520.000 sf	0 Lbs
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Subtotal

0 Lbs

Grand Total

0 Lbs