

Engineer's Estimate



Project:	Croton-on-Hudson Prkg & Bicycle		
CHA No.:	22961	P.I.N.:	8780.41
Calculated By:		Date:	
Checked By:		Date:	

Croton-on-Hudson Prkg & Bicycle
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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1300.00	\$ 26.00	\$ 33,800.00
206.0201	TRENCH AND CULVERT EXCAVATION	CY	470.00	\$ 22.00	\$ 10,340.00
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATIO N	LF	3040.00	\$ 25.00	\$ 76,000.00
304.12	SUBBASE COURSE, TYPE 2	CY	870.00	\$ 45.00	\$ 39,150.00
402.017902	TRUE & LEVELING F9, SUPERPAVE HMA, 70 SERIES COMPACTION	TON	200.00	\$ 90.00	\$ 18,000.00
402.096202	9.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	TON	870.00	\$ 90.00	\$ 78,300.00
402.096212	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.096202	QU	44.00	\$ 85.00	\$ 3,740.00
402.096222	PAVEMENT DENSITY QUALITY ADJUSTMENT TO 402.096202	QU	1.00	\$ 85.00	\$ 85.00
402.096252	TEST SECTION ADJUSTMENT TO 402.096202	QU	200.00	\$ 85.00	\$ 17,000.00
402.196902	19 F9 BINDER COURSE HMA, 60 SERIES COMPACTION	TON	1180.00	\$ 90.00	\$ 106,200.00
402.196912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.196902	QU	59.00	\$ 85.00	\$ 5,015.00
402.196922	PAVEMENT DENSITY QUALITY ADJUSTMENT TO 402.196902	QU	1.00	\$ 85.00	\$ 85.00
402.196952	TEST SECTION ADJUSTMENT TO 402.196902	QU	200.00	\$ 85.00	\$ 17,000.00
402.25020018	SAWING AND SEALING JOINTS IN NEW HOT MIX ASPHALT OVERLAYS US ING HOT APPLIED SEALANT	LF	1360.00	\$ 10.00	\$ 13,600.00
402.376902	37.5 F9 BASE COURSE HMA, 60 SERIES COMPACTION	TON	620.00	\$ 120.00	\$ 74,400.00
402.376912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.376902	QU	31.00	\$ 85.00	\$ 2,635.00
402.376922	PAVEMENT DENSITY QUALITY ADJUSTMENT TO 402.376902	QU	1.00	\$ 85.00	\$ 85.00
402.376952	TEST SECTION ADJUSTMENT TO 402.376902	QU	200.00	\$ 85.00	\$ 17,000.00
407.0102	DILUTED TACK COAT	GAL	2200.00	\$ 8.00	\$ 17,600.00
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	310.00	\$ 5.00	\$ 1,550.00
490.40	MISCELLANEOUS COLD MILLING OF PORTLAND CEMENT CONCRETE	SY	8600.00	\$ 7.00	\$ 60,200.00
552.17	SHIELDS AND SHORING	SF	2200.00	\$ 1.00	\$ 2,200.00
603.6005	REINFORCED CONCRETE PIPE CLASS III, 24 INCH DIAMETER	LF	120.00	\$ 80.00	\$ 9,600.00
603.7305	REINFORCED CONCRETE PIPE END SECTIONS 24 INCH DIAMETER	EACH	1.00	\$ 2,000.00	\$ 2,000.00
604.070101	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EACH	6.00	\$ 750.00	\$ 4,500.00
604.301172	RECTANGULAR DRAINAGE STRUCTURE TYPE K FOR CAST IRON F2 FRAME	LF	4.00	\$ 500.00	\$ 2,000.00
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	LF	12.00	\$ 400.00	\$ 4,800.00
604.302122	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR #22 WELDED FRAME	LF	13.00	\$ 300.00	\$ 3,900.00
604.500801	SPECIAL DRAINAGE STRUCTURE	LF	10.00	\$ 500.00	\$ 5,000.00
605.1001	UNDERDRAIN FILTER TYPE 2	CY	210.00	\$ 50.00	\$ 10,500.00
605.1701	OPTIONAL UNDERDRAIN PIPE, 4 INCH DIAMETER	LF	2800.00	\$ 2.00	\$ 5,600.00
606.10	BOX BEAM GUIDE RAILING	LF	125.00	\$ 30.00	\$ 3,750.00
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF	515.00	\$ 15.00	\$ 7,725.00

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606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF	125.00	\$ 8.00	\$ 1,000.00
606.72	REMOVING AND DISPOSING CORRUGATED BEAM MEDIAN BARRIER	LF	85.00	\$ 12.00	\$ 1,020.00
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	150.00	\$ 400.00	\$ 60,000.00
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS ,AND VEGETATION CONTROL STRIPS	TON	21.00	\$ 150.00	\$ 3,150.00
608.020112	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020102	QU	2.00	\$ 85.00	\$ 170.00
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	42.00	\$ 350.00	\$ 14,700.00
609.04	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)	LF	2800.00	\$ 35.00	\$ 98,000.00
610.1402	TOPSOIL - ROADSIDE	CY	150.00	\$ 50.00	\$ 7,500.00
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	1300.00	\$ 1.00	\$ 1,300.00
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1.00	\$ 106,389.03	\$ 106,389.03
620.03	STONE FILLING (LIGHT)	CY	20.00	\$ 65.00	\$ 1,300.00
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	1000.00	\$ 3.00	\$ 3,000.00
625.01	SURVEY OPERATIONS	LS	1.00	\$ 29,800.85	\$ 29,800.85
627.50140008	CUTTING PAVEMENT	LF	1000.00	\$ 3.00	\$ 3,000.00
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF, WITH Z-BARS	SF	30.00	\$ 30.00	\$ 900.00
645.5202	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF, WITH Z-BARS, HIGH-VISIBILITY SHEETING	SF	7.00	\$ 40.00	\$ 280.00
645.81	TYPE A SIGN POSTS	EACH	9.00	\$ 150.00	\$ 1,350.00
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQ UARE FEET)	EACH	92.00	\$ 150.00	\$ 13,800.00
647.41	REMOVE AND STORE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UND ER 30 SQUARE FEET)	EACH	92.00	\$ 15.00	\$ 1,380.00
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETICULINE GRATE G2	EACH	1.00	\$ 1,300.00	\$ 1,300.00
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETICULINE GRATE G3	EACH	2.00	\$ 1,500.00	\$ 3,000.00
655.1122	WELDED FRAME AND RETICULINE GRATE 22	EACH	3.00	\$ 900.00	\$ 2,700.00
655.1202	MANHOLE FRAME AND COVER	EACH	1.00	\$ 650.00	\$ 650.00
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EACH	16.00	\$ 150.00	\$ 2,400.00
663.34	ADJUST EXISTING HYDRANT ELEVATION	EACH	1.00	\$ 1,500.00	\$ 1,500.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	95.00	\$ 1,250.00	\$ 118,750.00
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EACH	3.00	\$ 1,075.00	\$ 3,225.00
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	27.00	\$ 875.00	\$ 23,625.00
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1"	LF	275.00	\$ 10.75	\$ 2,956.25

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680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	2100.00	\$ 14.50	\$ 30,450.00
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	625.00	\$ 28.00	\$ 17,500.00
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	40.00	\$ 28.00	\$ 1,120.00
680.54	INDUCTANCE LOOP INSTALLATION	LF	4200.00	\$ 18.00	\$ 75,600.00
680.621820	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 20 FEET ARM LENGTH	EACH	1.00	\$ 4,300.00	\$ 4,300.00
680.621824	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 24 FEET ARM LENGTH	EACH	1.00	\$ 4,400.00	\$ 4,400.00
680.621826	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 26 FEET ARM LENGTH	EACH	1.00	\$ 4,500.00	\$ 4,500.00
680.621828	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 28 FEET ARM LENGTH	EACH	1.00	\$ 5,000.00	\$ 5,000.00
680.621832	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH	EACH	2.00	\$ 5,600.00	\$ 11,200.00
680.621834	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 34 FEET ARM LENGTH	EACH	1.00	\$ 6,500.00	\$ 6,500.00
680.621836	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 36 FEET ARM LENGTH	EACH	1.00	\$ 7,900.00	\$ 7,900.00
680.621841	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 41 FEET ARM LENGTH	EACH	1.00	\$ 8,200.00	\$ 8,200.00
680.621846	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 46 FEET ARM LENGTH	EACH	1.00	\$ 8,400.00	\$ 8,400.00
680.621850	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 50 FEET ARM LENGTH	EACH	1.00	\$ 7,000.00	\$ 7,000.00
680.6708	TRAFFIC SIGNAL POLE POST TOP MOUNT, 8 FEET MOUNTING HEIGHT	EACH	13.00	\$ 900.00	\$ 11,700.00
680.700603	RISER ASSEMBLY, 1" DIAMETER	EACH	2.00	\$ 600.00	\$ 1,200.00
680.71	SHIELDED LEAD-IN CABLE	LF	8075.00	\$ 3.75	\$ 30,281.25
680.72	INDUCTANCE LOOP WIRE	LF	14750.00	\$ 1.50	\$ 22,125.00
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	8700.00	\$ 4.00	\$ 34,800.00
680.731014	SIGNAL CABLE 10 CONDUCTORS, 14 AWG	LF	750.00	\$ 5.50	\$ 4,125.00
680.750619	SHIELDED COMMUNICATION CABLE 6 PAIRS, 19 AWG	LF	250.00	\$ 4.00	\$ 1,000.00
680.80210010	2070 LITE CONTROLLER	EACH	1.00	\$ 3,000.00	\$ 3,000.00
680.80320004	BASE MOUNTED EQUIPMENT CABINET	EACH	1.00	\$ 7,000.00	\$ 7,000.00
680.80324515	INSTALL MICROCOMPUTER CABINET	EACH	1.00	\$ 2,200.00	\$ 2,200.00
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EACH	2.00	\$ 600.00	\$ 1,200.00
680.80370301	CONTROLLER AND CABINET 2 PHASE FULL TRAFFIC ACTUATED (NEMA)	EACH	1.00	\$ 17,850.00	\$ 17,850.00
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EACH	22.00	\$ 120.00	\$ 2,640.00
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EACH	22.00	\$ 120.00	\$ 2,640.00
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EACH	4.00	\$ 120.00	\$ 480.00
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EACH	22.00	\$ 120.00	\$ 2,640.00
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH GREEN ARROW, LED	EACH	4.00	\$ 120.00	\$ 480.00
680.810107	TRAFFIC SIGNAL SECTION - TYPE I, 12 INCH	EACH	74.00	\$ 140.00	\$ 10,360.00
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EACH	20.00	\$ 250.00	\$ 5,000.00
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EACH	1.00	\$ 325.00	\$ 325.00
680.813103	PEDESTRIAN SIGNAL SECTION - TYPE I, 12 INCH	EACH	52.00	\$ 300.00	\$ 15,600.00
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	26.00	\$ 225.00	\$ 5,850.00
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EACH	14.00	\$ 160.00	\$ 2,240.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	12.00	\$ 180.00	\$ 2,160.00
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE	EACH	26.00	\$ 225.00	\$ 5,850.00

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680.8210	OVERHEAD SIGN ASSEMBLY, TYPE J	EACH	10.00	\$ 600.00	\$ 6,000.00
680.82220002	FURNISH AND INSTALL LIGHT EMITTING DIODE (LED) BLANKOUT TRAFFIC SIGN ASSEMBLY	EACH	8.00	\$ 3,800.00	\$ 30,400.00
680.8225	PEDESTRIAN PUSHBUTTON AND SIGN - WITHOUT POST	EACH	26.00	\$ 140.00	\$ 3,640.00
680.8226	PEDESTRIAN PUSHBUTTON AND SIGN - WITH POST	EACH	1.00	\$ 800.00	\$ 800.00
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTS FOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAW	EACH	2.00	\$ 200.00	\$ 400.00
680.94000015	RAINTIGHT DISCONNECT BOX	EACH	2.00	\$ 225.00	\$ 450.00
680.95010615	SERVICE CABLE 1 CONDUCTOR, NO. 06 AWG	LF	600.00	\$ 2.50	\$ 1,500.00
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	3300.00	\$ 0.50	\$ 1,650.00
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	3100.00	\$ 0.50	\$ 1,550.00
688.01	WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES	LF	10600.00	\$ 2.50	\$ 26,500.00
688.03	WHITE PREFORMED REFLECTORIZED PAVEMENT LETTERS	EACH	24.00	\$ 80.00	\$ 1,920.00
688.04	WHITE PREFORMED REFLECTORIZED PAVEMENT SYMBOLS	EACH	34.00	\$ 150.00	\$ 5,100.00
697.03	FIELD CHANGE PAYMENT	DC	-	-	-
698.04	ASPHALT PRICE ADJUSTMENT	DC	100.00	\$ 100.00	\$ 100.00
698.05	FUEL PRICE ADJUSTMENT	DC	100.00	\$ 100.00	\$ 100.00
699.040001	MOBILIZATION	LS	1.00	\$ 65,057.30	\$ 65,057.30
					\$ -
					\$ -

SUBTOTAL = \$ 1,691,489.68

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