



August 8, 2019

Anthony Ruggiero
City Administrator
1 Municipal Plaza
Beacon, NY 12508

Re: PIN 8761.25 & 8761.45 – Beacon Main St. & Pedestrian Signal Improvements

Dear Anthony:

On August 2, 2019 bids were opened for the projects referenced above. Two (2) contractors submitted bids and their proposed prices are below:

- | | |
|------------------------|----------------|
| 1. Sun Up Enterprises: | \$1,972,085.00 |
| 2. Arold Construction: | \$2,742,378.00 |

Engineer's Estimate:	\$1,232,422.00
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The apparent low bidder, Sun Up Enterprises, bid \$1,972,085.00 for the project. The attached table breaks down the differences in the City's share between the current bonded amount and the low bid, which comes out to an additional \$672,085.00.

HVEA believes that the bids were higher than anticipated due to the time of year that the project was advertised, and the abundance of construction work currently in progress in the surrounding areas. This is made apparent by the overall lack of bids received for the project. We recommend that the City reject all bids and re-advertise the project with a construction start date of March 15, 2020. This would allow contractors currently finishing projects this year to line up work for next year and may result in more competitive pricing.

However, if the City is eager to begin construction this year and is acceptable to funding the additional amount, HVEA will submit to DOT the necessary documentation for their review and approval to award the contract to Sun Up Enterprises.

Also enclosed for your review is the complete itemized bid analysis.

Please feel free to reach out with any questions or if you need further information.

Sincerely,

A handwritten signature in black ink that reads "Lou Bach".

Lou Bach, P.E.
Project Engineer

	Federal	Local	Total
Original Funding	\$963,200	\$336,800	\$1,300,000
Low Bid	\$963,200	\$1,008,885	\$1,972,085
Gap	-	\$672,085	\$672,085



LOW BID ANALYSIS

ESTIMATE OF QUANTITIES SUMMARY								Low Bidder		Amount over EE
ITEM	DESCRIPTION	QUANTITY		TOTAL QTY	UNIT	Engineer's Estimate		Sun Up Construction		
		PIN 8761.25	PIN 8761.45			PIN 8761.25	PIN 8761.45	UNIT BID PRICE	TOTAL COST	
201.06	CLEARING AND GRUBBING		1	1	LS	\$4,000.00		\$4,000.00	\$5,500.00	\$1,500.00
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	432	327	759	CY	\$40.00		\$30,360.00	\$129.00	\$97,911.00
203.07	SELECT GRANULAR FILL	360		360	CY	\$40.00		\$14,400.00	\$38.50	\$13,860.00
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	2		2	CY	\$165.00		\$330.00	\$210.00	\$90.00
206.0201	TRENCH AND CULVERT EXCAVATION	553		553	CY	\$30.00		\$16,590.00	\$11.00	\$6,083.00
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION		195	195	LF	\$20.00		\$3,900.00	\$44.00	\$8,580.00
206.05	TEST PIT EXCAVATION	44		44	EACH	\$1,000.00		\$44,000.00	\$1,815.00	\$79,860.00
209.11010011	TEMPORARY CATCH BASIN INSERTS FOR DRAINAGE STRUCTURES TRASH, SEDIMENT AND DEBRIS REMOVAL	30		30	EACH	\$200.00		\$6,000.00	\$220.00	\$6,600.00
304.11000008	SUBBASE COURSE (MODIFIED)	600	126	726	CY	\$60.00		\$43,560.00	\$51.00	\$37,026.00
402.128103	12.5 F1 TOP COURSE HMA, 80 SERIES COMPACTION	29	6	35	TON	\$200.00		\$7,000.00	\$894.00	\$31,290.00
402.198903	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	23		23	TON	\$150.00		\$3,450.00	\$652.00	\$14,996.00
402.378903	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	78		78	TON	\$125.00		\$9,750.00	\$650.00	\$50,700.00
407.0103	STRAIGHT TACK COAT	30	7	37	GAL	\$5.00		\$185.00	\$5.50	\$203.50
503.1010	PCC FOUNDATION FOR PAVEMENT, CLASS C	46	16	62	CY	\$275.00		\$17,050.00	\$220.00	\$13,640.00
520.50000004	SAWING CONCRETE	1562		1562	LF	\$5.00		\$7,810.00	\$7.40	\$11,558.80
552.17	SHIELDS AND SHORING	3646		3646	SF	\$1.00		\$3,646.00	\$1.00	\$3,646.00
603.6003	REINFORCED CONCRETE PIPE CLASS III, 18 INCH DIAMETER	116		116	LF	\$125.00		\$14,500.00	\$183.00	\$21,228.00
603.6202	REINFORCED CONCRETE PIPE CLASS V, 15 INCH DIAMETER	133		133	LF	\$200.00		\$26,600.00	\$186.00	\$24,738.00
603.6203	REINFORCED CONCRETE PIPE CLASS V, 18 INCH DIAMETER	92		92	LF	\$225.00		\$20,700.00	\$187.50	\$17,250.00
604.070801	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070802	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070803	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070804	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070805	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070806	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070807	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070808	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.070809	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	1		1	EACH	\$850.00		\$850.00	\$550.00	\$550.00
604.13000011	ABANDONING DRAINAGE STRUCTURES	1		1	EACH	\$2,500.00		\$2,500.00	\$880.00	\$880.00
604.300673	RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR CAST IRON F3 FRAME	6		6	LF	\$550.00		\$3,300.00	\$663.00	\$3,978.00
604.300773	RECTANGULAR DRAINAGE STRUCTURE TYPE G FOR CAST IRON F3 FRAME	4		4	LF	\$450.00		\$1,800.00	\$767.00	\$3,068.00
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	77		77	LF	\$600.00		\$46,200.00	\$574.00	\$44,198.00
604.302122	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR #22 WELDED FRAME	6		6	LF	\$500.00		\$3,000.00	\$600.00	\$3,600.00
604.4048	ROUND PRECAST CONCRETE MANHOLE TYPE 48	5		5	LF	\$550.00		\$2,750.00	\$532.00	\$2,660.00
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	23		23	LF	\$1,000.00		\$23,000.00	\$585.00	\$13,455.00
604.4072	ROUND PRECAST CONCRETE MANHOLE TYPE 72	13		13	LF	\$1,200.00		\$15,600.00	\$697.00	\$9,061.00
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	152	53	205	CY	\$650.00		\$133,250.00	\$943.00	\$193,315.00
608.04	BRICK PAVED SIDEWALKD AND DRIVEWAYS(MORTAR SETTING BED)	118		118	SY	\$200.00		\$23,600.00	\$820.00	\$96,760.00
608.21	EMBEDDED DETECTABLE WARNING UNITS	59	21	80	SY	\$350.00		\$28,000.00	\$454.00	\$36,320.00
609.0201	STONE CURB, GRANITE, (TYPE A)	1717		1717	LF	\$35.00		\$60,095.00	\$88.50	\$151,954.50
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150		587	587	LF	\$35.00		\$20,545.00	\$78.00	\$45,786.00
615.02010124	REMOVE, STORE AND RESET BENCH, TYPE 01	1		1	EACH	\$400.00		\$400.00	\$2,200.00	\$2,200.00
619.01	BASIC WORK ZONE TRAFFIC CONTROL	0.714285714	0.285714286	1	LS	\$75,000.00	\$30,000.00	\$105,000.00	\$264,889.56	\$264,889.56
619.080101	REMOVE PAVEMENT MARKING STRIPES, TRAFFIC PAINT	5419	3709	9128	LF	\$1.00		\$9,128.00	\$0.83	\$7,576.24
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)		3	3	INTM	\$1.50		\$4.50	\$440.00	\$1,320.00
625.01	SURVEY OPERATIONS	0.666666667	0.333333333	1	LS	\$20,000.00	\$10,000.00	\$30,000.00	\$60,500.00	\$30,500.00
627.50140008	CUTTING PAVEMENT	2077	614	2691	LF	\$3.00		\$8,073.00	\$8.60	\$23,142.60
637.11	ENGINEER'S FIELD OFFICE - TYPE 1	5	3	8	MNTH	\$2,750.00		\$22,000.00	\$2,200.00	\$17,600.00
637.34	OFFICE TECHNOLOGY AND SUPPLIES	3500	1500	5000	DC	\$1.00		\$5,000.00	\$1.00	\$5,000.00
645.5101	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS		39	39	SF	\$40.00		\$1,560.00	\$36.80	\$1,435.20
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF, WITH Z-BARS	136	7	143	SF	\$30.00		\$4,290.00	\$41.80	\$5,977.40
645.5202	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF, WITH Z-BARS, HIGH-VISIBILITY SHEETING	470		470	SF	\$30.00		\$14,100.00	\$37.30	\$17,531.00
645.81	TYPE A SIGN POSTS	100	1	101	EACH	\$135.00		\$13,635.00	\$199.00	\$20,099.00
645.81020003	RETROREFLECTIVE SIGN POST STRIP	72		72	EACH	\$60.00		\$4,320.00	\$49.50	\$3,564.00
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	4		4	EACH	\$200.00		\$800.00	\$82.50	\$330.00
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)	1		1	EACH	\$200.00		\$200.00	\$500.00	\$500.00

647.61	REM AND DISPOSE GROUND MOUNTED TYPE A SIGN SUPPORT(S), FDNS AND ANY ATTACHED SIGNS - SIZE I (UNDER 30 SQUARE FEET)	23		23	EACH	\$20.00	\$460.00	\$169.00	\$3,887.00	\$3,427.00
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETICULINE GRATE G3	18		18	EACH	\$1,750.00	\$31,500.00	\$1,815.00	\$32,670.00	\$1,170.00
655.1122	WELDED FRAME AND RETICULINE GRATE 22	1		1	EACH	\$2,000.00	\$2,000.00	\$1,570.00	\$1,570.00	-\$430.00
655.1202	MANHOLE FRAME AND COVER	7		7	EACH	\$850.00	\$5,950.00	\$960.00	\$6,720.00	\$770.00
660.65000101	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000201	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000301	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000401	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000501	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000601	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000701	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000801	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65000901	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001001	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001101	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001201	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001301	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001401	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001501	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001601	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001701	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
660.65001801	ALTERING UTILITY MANHOLES AND VAULTS	1		1	EACH	\$900.00	\$900.00	\$550.00	\$550.00	-\$350.00
662.60030008	ALTERING ELEVATION OF GAS VALVE BOXES	4	2	6	EACH	\$450.00	\$2,700.00	\$165.00	\$990.00	-\$1,710.00
663.33	ADJUST EXISTING VALVE BOX ELEVATION	16		16	EACH	\$250.00	\$4,000.00	\$165.00	\$2,640.00	-\$1,360.00
663.34	ADJUST EXISTING HYDRANT ELEVATION	3		3	EACH	\$1,000.00	\$3,000.00	\$1,570.00	\$4,710.00	\$1,710.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION		23	23	CY	\$900.00	\$20,700.00	\$2,387.00	\$54,901.00	\$34,201.00
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE		6	6	EACH	\$1,400.00	\$8,400.00	\$979.00	\$5,874.00	-\$2,526.00
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1"		165	165	LF	\$15.00	\$2,475.00	\$13.20	\$2,178.00	-\$297.00
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"		260	260	LF	\$20.00	\$5,200.00	\$20.00	\$5,200.00	\$0.00
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"		10	10	LF	\$25.00	\$250.00	\$31.00	\$310.00	\$60.00
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"		10	10	LF	\$30.00	\$300.00	\$53.00	\$530.00	\$230.00
680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"		15	15	LF	\$12.00	\$180.00	\$15.40	\$231.00	\$51.00
680.54	INDUCTANCE LOOP INSTALLATION		310	310	LF	\$8.00	\$2,480.00	\$19.80	\$6,138.00	\$3,658.00
680.622032	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH		4	4	EACH	\$4,500.00	\$18,000.00	\$7,970.00	\$31,880.00	\$13,880.00
680.71	SHIELDED LEAD-IN CABLE		240	240	LF	\$2.00	\$480.00	\$3.50	\$840.00	\$360.00
680.72	INDUCTANCE LOOP WIRE		1132	1132	LF	\$1.25	\$1,415.00	\$1.65	\$1,867.80	\$452.80
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG		2120	2120	LF	\$3.00	\$6,360.00	\$3.60	\$7,632.00	\$1,272.00
680.79000001	REMOVE TRAFFIC SIGNAL EQUIPMENT		1	1	LS	\$7,000.00	\$7,000.00	\$2,200.00	\$2,200.00	-\$4,800.00
680.80310008	FURNISH AND INSTALL MICROCOMPUTER (MODEL 2070) COMPLETE WITH STRETCH-TYPE CABINET		2	2	EACH	\$4,000.00	\$8,000.00	\$16,400.00	\$32,800.00	\$24,800.00
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED		8	8	EACH	\$100.00	\$800.00	\$270.00	\$2,160.00	\$1,360.00
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED		8	8	EACH	\$125.00	\$1,000.00	\$270.00	\$2,160.00	\$1,160.00
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED		8	8	EACH	\$125.00	\$1,000.00	\$270.00	\$2,160.00	\$1,160.00
680.810107	TRAFFIC SIGNAL SECTION - TYPE I, 12 INCH		24	24	EACH	\$175.00	\$4,200.00	\$192.50	\$4,620.00	\$420.00
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY		8	8	EACH	\$200.00	\$1,600.00	\$275.00	\$2,200.00	\$600.00
680.81310109	ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITH POLE		16	16	EACH	\$1,500.00	\$24,000.00	\$2,400.00	\$38,400.00	\$14,400.00
680.81310209	ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITHOUT POLE		32	32	EACH	\$1,000.00	\$32,000.00	\$979.00	\$31,328.00	-\$672.00
680.813103	PEDESTRIAN SIGNAL SECTION - TYPE I, 12 INCH		64	64	EACH	\$125.00	\$8,000.00	\$247.50	\$15,840.00	\$7,840.00
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED		16	16	EACH	\$275.00	\$4,400.00	\$192.00	\$3,072.00	-\$1,328.00
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY		34	34	EACH	\$225.00	\$7,650.00	\$214.00	\$7,276.00	-\$374.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY		14	14	EACH	\$200.00	\$2,800.00	\$208.00	\$2,912.00	\$112.00
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE		48	48	EACH	\$130.00	\$6,240.00	\$206.00	\$9,888.00	\$3,648.00
680.81980010	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE		8	8	EACH	\$175.00	\$1,400.00	\$275.00	\$2,200.00	\$800.00
680.82250308	REMOVE AND DISPOSE PEDESTRIAN PUSHBUTTONS AND SIGNS		38	38	EACH	\$50.00	\$1,900.00	\$49.50	\$1,881.00	-\$19.00
680.94000008	TRAFFIC SIGNAL SERVICE ENTRANCE		2	2	EACH	\$750.00	\$1,500.00	\$825.00	\$1,650.00	\$150.00
680.94997008	FURNISH AND INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH		2	2	EACH	\$900.00	\$1,800.00	\$248.00	\$496.00	-\$1,304.00
680.95020615	SERVICE CABLE 2 CONDUCTOR NO. 06 AWG		60	60	LF	\$4.00	\$240.00	\$2.80	\$168.00	-\$72.00
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	6400	2058	8458	LF	\$0.75	\$6,343.50	\$1.40	\$11,841.20	\$5,497.70
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	827	41	868	LF	\$1.00	\$868.00	\$1.40	\$1,215.20	\$347.20
685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	16		16	EACH	\$100.00	\$1,600.00	\$138.00	\$2,208.00	\$608.00
697.03	FIELD CHANGE PAYMENT	39000	17000	56000	DC	\$1.00	\$56,000.00	\$1.00	\$56,000.00	\$0.00
699.040001	MOBILIZATION	0.776188347	0.223811653	1	LS	\$46,881.00	\$13,518.00	\$60,399.00	\$70,000.00	\$9,601.00
						SUBTOTAL		\$1,232,422.00	TOTAL BID	\$1,972,085.00