

**PROJECT NAME: TRAFFIC SIGNAL IMPROVEMENTS - 97TH AVE & THORNTON PKWY**

**PROJECT NUMBER: 23-188C**

CITY OF THORNTON 9500 CIVIC CENTER DRIVE THORNTON COLORADO 80229				CONTRACTOR #1 TAT Construction		CONTRACTOR #2 Lumin8		CONTRACTOR #3 Lighthouse Transportation Group	
NUMBER	DESCRIPTION OF WORK	BID QUANTITIES	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization	1	LS	\$12,000.00	\$12,000.00	\$27,750.00	\$27,750.00	\$19,134.00	\$19,134.00
2	Bonds and Insurance (Entire Project)	1	LS	\$6,000.00	\$6,000.00	\$4,100.00	\$4,100.00	\$8,040.00	\$8,040.00
3	Potholing	1	LS	\$10,000.00	\$10,000.00	\$11,670.00	\$11,670.00	\$13,734.00	\$13,734.00
4	Landscape Restoration	1	LS	\$4,000.00	\$4,000.00	\$5,250.00	\$5,250.00	\$6,000.00	\$6,000.00
5	Tree Trimming	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,200.00	\$1,200.00
6	Remove Sign (R1-1, S1-1, W16-9p, etc.)	6	EA	\$250.00	\$1,500.00	\$125.00	\$750.00	\$125.00	\$750.00
7	Remove and Relocate Block Retaining Wall	1	LS	\$4,500.00	\$4,500.00	\$5,500.00	\$5,500.00	\$10,667.00	\$10,667.00
8	Concrete Sidewalk (6" Thick)	5	SY	\$750.00	\$3,750.00	\$1,198.00	\$5,990.00	\$1,067.00	\$5,335.00
9	Install R10-27a Sign (Install Only)	4	EA	\$250.00	\$1,000.00	\$400.00	\$1,600.00	\$188.00	\$752.00
10	Traffic Signal Pole, 30' Mast Arm w/Lum. Ext Arm (Ins	1	EA	\$13,000.00	\$13,000.00	\$12,100.00	\$12,100.00	\$18,779.00	\$18,779.00
11	Traffic Signal Pole, 45' Mast Arm w/Lum. Ext Arm (Ins	1	EA	\$15,000.00	\$15,000.00	\$14,200.00	\$14,200.00	\$21,560.00	\$21,560.00
12	Traffic Signal Pole, 55' Double Mast Arm w/Lum. Ext	1	EA	\$22,000.00	\$22,000.00	\$15,700.00	\$15,700.00	\$22,341.00	\$22,341.00
13	10' Pedestrian Pole	1	EA	\$3,000.00	\$3,000.00	\$2,890.00	\$2,890.00	\$4,060.00	\$4,060.00
14	15' Pedestrian Pole	2	EA	\$5,500.00	\$11,000.00	\$3,100.00	\$6,200.00	\$4,286.00	\$8,572.00
15	Street Name Sign (LED Internally Illuminated) (Install	4	EA	\$1,000.00	\$4,000.00	\$1,059.00	\$4,236.00	\$1,000.00	\$4,000.00
16	LED Luminaire (Install Only)	3	EA	\$750.00	\$2,250.00	\$230.00	\$690.00	\$375.00	\$1,125.00
17	Traffic Signal Head, 3-Section, 12" Lenses (LED)	4	EA	\$1,500.00	\$6,000.00	\$867.00	\$3,468.00	\$926.00	\$3,704.00
18	Traffic Signal Head, 4-Section, 12" Lenses (LED)	1	EA	\$1,500.00	\$1,500.00	\$1,038.00	\$1,038.00	\$1,086.00	\$1,086.00
19	Traffic Signal Head w/backplate, 3-Section, 12" Lense	6	EA	\$1,500.00	\$9,000.00	\$1,117.00	\$6,702.00	\$1,053.00	\$6,318.00
20	Traffic Signal Head w/backplate, 4-Section, 12" Lense	4	EA	\$1,500.00	\$6,000.00	\$1,453.00	\$5,812.00	\$1,282.00	\$5,128.00
21	Pedestrian Signal Head, Countdown (LED)	8	EA	\$750.00	\$6,000.00	\$725.00	\$5,800.00	\$809.00	\$6,472.00
22	APS Push Button Station (Install Only)	8	EA	\$500.00	\$4,000.00	\$475.00	\$3,800.00	\$625.00	\$5,000.00
23	Traffic Signal Controller (Cobalt RM) and Cabinet (33	1	EA	\$7,000.00	\$7,000.00	\$5,900.00	\$5,900.00	\$17,567.00	\$17,567.00
24	PVC Conduit, 2"	550	LF	\$30.00	\$16,500.00	\$22.00	\$12,100.00	\$28.00	\$15,400.00
25	PVC Conduit, 3"	550	LF	\$40.00	\$22,000.00	\$33.00	\$18,150.00	\$33.00	\$18,150.00
26	PVC Conduit, 4"	20	LF	\$50.00	\$1,000.00	\$72.25	\$1,445.00	\$66.00	\$1,320.00
27	Pull Box 20" x 33" x 15"	2	EA	\$2,000.00	\$4,000.00	\$1,990.00	\$3,980.00	\$1,968.00	\$3,936.00
28	Pull Box 24" x 36" x 24"	1	EA	\$3,000.00	\$3,000.00	\$2,130.00	\$2,130.00	\$2,225.00	\$2,225.00
29	Pull Box 30" x 48" x 24"	1	EA	\$3,500.00	\$3,500.00	\$2,600.00	\$2,600.00	\$2,482.00	\$2,482.00
30	Opticom Global Traffic Technologies, 722 Detector	2	EA	\$4,000.00	\$8,000.00	\$3,550.00	\$7,100.00	\$5,065.00	\$10,130.00
31	Modular Video Detection System (Install Only)	1	LS	\$3,000.00	\$3,000.00	\$3,400.00	\$3,400.00	\$5,334.00	\$5,334.00
32	Intersection Wiring	1	LS	\$15,000.00	\$15,000.00	\$22,100.00	\$22,100.00	\$32,834.00	\$32,834.00
33	Ethernet Field Switch	1	EA	\$2,000.00	\$2,000.00	\$2,125.00	\$2,125.00	\$3,007.00	\$3,007.00
34	12-Strand Fiber Optical Cable	250	LF	\$25.00	\$6,250.00	\$29.00	\$7,250.00	\$20.00	\$5,000.00
35	Traffic Control	1	LS	\$15,000.00	\$15,000.00	\$39,474.00	\$39,474.00	\$33,334.00	\$33,334.00

**TOTAL:**

**\$252,750.00**

**\$274,500.00**

**\$324,476.00**

CITY OF THORNTON 9500 CIVIC CENTER DRIVE THORNTON COLORADO 80229				CONTRACTOR #4 Adiona Transportation Group		CONTRACTOR #5 Morton Electric		CONTRACTOR #6 Sturgeon Electric	
NUMBER	DESCRIPTION OF WORK	BID QUANTITIES	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization	1	LS	\$36,745.00	\$36,745.00	\$63,000.00	\$63,000.00	\$21,000.00	\$21,000.00
2	Bonds and Insurance (Entire Project)	1	LS	\$7,959.00	\$7,959.00	\$8,415.00	\$8,415.00	\$3,300.00	\$3,300.00
3	Potholing	1	LS	\$7,321.00	\$7,321.00	\$4,000.00	\$4,000.00	\$18,200.00	\$18,200.00
4	Landscape Restoration	1	LS	\$2,380.00	\$2,380.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00
5	Tree Trimming	1	LS	\$5,500.00	\$5,500.00	\$2,000.00	\$2,000.00	\$5,500.00	\$5,500.00
6	Remove Sign (R1-1, S1-1, W16-9p, etc.)	6	EA	\$218.00	\$1,308.00	\$150.00	\$900.00	\$125.00	\$750.00
7	Remove and Relocate Block Retaining Wall	1	LS	\$8,800.00	\$8,800.00	\$3,500.00	\$3,500.00	\$8,700.00	\$8,700.00
8	Concrete Sidewalk (6" Thick)	5	SY	\$880.00	\$4,400.00	\$400.00	\$2,000.00	\$900.00	\$4,500.00
9	Install R10-27a Sign (Install Only)	4	EA	\$231.00	\$924.00	\$215.00	\$860.00	\$320.00	\$1,280.00
10	Traffic Signal Pole, 30' Mast Arm w/Lum. Ext Arm (Ins	1	EA	\$16,150.00	\$16,150.00	\$20,181.00	\$20,181.00	\$14,000.00	\$14,000.00
11	Traffic Signal Pole, 45' Mast Arm w/Lum. Ext Arm (Ins	1	EA	\$17,999.00	\$17,999.00	\$26,327.36	\$26,327.36	\$17,000.00	\$17,000.00
12	Traffic Signal Pole, 55' Double Mast Arm w/Lum. Ext	1	EA	\$21,003.00	\$21,003.00	\$34,000.00	\$34,000.00	\$18,900.00	\$18,900.00
13	10' Pedestrian Pole	1	EA	\$5,633.00	\$5,633.00	\$3,314.80	\$3,314.80	\$5,100.00	\$5,100.00
14	15' Pedestrian Pole	2	EA	\$6,130.00	\$12,260.00	\$3,652.20	\$7,304.40	\$5,200.00	\$10,400.00
15	Street Name Sign (LED Internally Illuminated) (Install	4	EA	\$1,091.00	\$4,364.00	\$850.00	\$3,400.00	\$1,050.00	\$4,200.00
16	LED Luminaire (Install Only)	3	EA	\$410.00	\$1,230.00	\$300.00	\$900.00	\$375.00	\$1,125.00
17	Traffic Signal Head, 3-Section, 12" Lenses (LED)	4	EA	\$1,123.00	\$4,492.00	\$718.86	\$2,875.44	\$1,350.00	\$5,400.00
18	Traffic Signal Head, 4-Section, 12" Lenses (LED)	1	EA	\$1,350.00	\$1,350.00	\$940.26	\$940.26	\$1,700.00	\$1,700.00
19	Traffic Signal Head w/backplate, 3-Section, 12" Lense	6	EA	\$1,249.00	\$7,494.00	\$834.76	\$5,008.56	\$1,500.00	\$9,000.00
20	Traffic Signal Head w/backplate, 4-Section, 12" Lense	4	EA	\$1,543.00	\$6,172.00	\$1,044.60	\$4,178.40	\$1,850.00	\$7,400.00
21	Pedestrian Signal Head, Countdown (LED)	8	EA	\$1,280.00	\$10,240.00	\$676.50	\$5,412.00	\$950.00	\$7,600.00
22	APS Push Button Station (Install Only)	8	EA	\$579.00	\$4,632.00	\$280.00	\$2,240.00	\$520.00	\$4,160.00
23	Traffic Signal Controller (Cobalt RM) and Cabinet (33	1	EA	\$8,223.00	\$8,223.00	\$9,200.00	\$9,200.00	\$20,500.00	\$20,500.00
24	PVC Conduit, 2"	550	LF	\$24.00	\$13,200.00	\$24.00	\$13,200.00	\$26.00	\$14,300.00
25	PVC Conduit, 3"	550	LF	\$31.00	\$17,050.00	\$26.00	\$14,300.00	\$29.00	\$15,950.00
26	PVC Conduit, 4"	20	LF	\$52.00	\$1,040.00	\$50.00	\$1,000.00	\$76.00	\$1,520.00
27	Pull Box 20" x 33" x 15"	2	EA	\$2,294.00	\$4,588.00	\$1,996.00	\$3,992.00	\$1,950.00	\$3,900.00
28	Pull Box 24" x 36" x 24"	1	EA	\$2,439.00	\$2,439.00	\$2,057.00	\$2,057.00	\$2,300.00	\$2,300.00
29	Pull Box 30" x 48" x 24"	1	EA	\$3,043.00	\$3,043.00	\$2,431.00	\$2,431.00	\$2,900.00	\$2,900.00
30	Opticom Global Traffic Technologies, 722 Detector	2	EA	\$5,441.00	\$10,882.00	\$4,569.17	\$9,138.34	\$4,100.00	\$8,200.00
31	Modular Video Detection System (Install Only)	1	LS	\$3,603.00	\$3,603.00	\$3,400.00	\$3,400.00	\$3,500.00	\$3,500.00
32	Intersection Wiring	1	LS	\$26,766.00	\$26,766.00	\$19,500.00	\$19,500.00	\$27,000.00	\$27,000.00
33	Ethernet Field Switch	1	EA	\$3,469.00	\$3,469.00	\$2,964.00	\$2,964.00	\$2,550.00	\$2,550.00
34	12-Strand Fiber Optical Cable	250	LF	\$31.00	\$7,750.00	\$20.00	\$5,000.00	\$17.50	\$4,375.00
35	Traffic Control	1	LS	\$35,902.00	\$35,902.00	\$40,255.60	\$40,255.60	\$51,000.00	\$51,000.00

**TOTAL:**

**\$326,311.00**

**\$331,195.16**

**\$332,210.00**