



**104th Street Reconstruction Project
Project # 2018-005**

Item	Description	Unit	Quantity	Engineer's Estimate		Concrete Technologies Inc.		Alliance Construction Group LLC		Absolute Concrete Construction, Inc.	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	CLEARING AND GRUBBING	LS	1.	\$10,000.00	\$10,000.00	\$13,250.00	\$13,250.00	\$90,000.00	\$90,000.00	\$18,500.00	\$18,500.00
2	TOPSOIL, ON-SITE	CY	8,986.	\$10.00	\$89,860.00	\$13.90	\$124,905.40	\$14.25	\$128,050.50	\$13.90	\$124,905.40
3	EXCAVATION, CLASS 10	CY	11,850.	\$10.00	\$118,500.00	\$15.00	\$177,750.00	\$15.25	\$180,712.50	\$15.00	\$177,750.00
4	EMBANKMENT-IN-PLACE	CY	5,264.	\$18.00	\$94,752.00	\$20.90	\$110,017.60	\$22.00	\$115,808.00	\$20.90	\$110,017.60
5	SUBGRADE PREPARATION, 12 IN.	SY	30,600.	\$3.00	\$91,800.00	\$3.00	\$91,800.00	\$3.25	\$99,450.00	\$3.00	\$91,800.00
6	RMVL OF WATER MAIN, <= 16 IN.	LF	2,192.	\$4.00	\$8,768.00	\$10.00	\$21,920.00	\$10.25	\$22,468.00	\$10.00	\$21,920.00
7	STORM SEWER, RCP, 15 IN.	LF	2,336.	\$60.00	\$140,160.00	\$65.00	\$151,840.00	\$67.00	\$156,512.00	\$65.00	\$151,840.00
8	STORM SEWER, RCP, 18 IN.	LF	1,023.	\$65.00	\$66,495.00	\$66.00	\$67,518.00	\$68.00	\$69,564.00	\$66.00	\$67,518.00
9	STORM SEWER, RCP, 24 IN.	LF	1,494.	\$75.00	\$112,050.00	\$75.00	\$112,050.00	\$77.00	\$115,038.00	\$75.00	\$112,050.00
10	STORM SEWER, RCP, 30 IN.	LF	1,922.	\$110.00	\$211,420.00	\$90.00	\$172,980.00	\$92.00	\$176,824.00	\$90.00	\$172,980.00
11	STORM SEWER, RCP, 36 IN.	LF	304.	\$125.00	\$38,000.00	\$108.00	\$32,832.00	\$110.00	\$33,440.00	\$108.00	\$32,832.00
12	STORM SEWER, RCP, 42 IN.	LF	19.	\$200.00	\$3,800.00	\$152.00	\$2,888.00	\$155.00	\$2,945.00	\$152.00	\$2,888.00
13	STORM SEWER, RCP, 78 IN.	LF	173.	\$325.00	\$56,225.00	\$380.00	\$65,740.00	\$390.00	\$67,470.00	\$380.00	\$65,740.00
14	STM SWR, ARCHED RCP, EQUIV 30	LF	199.	\$160.00	\$31,840.00	\$122.00	\$24,278.00	\$125.00	\$24,875.00	\$122.00	\$24,278.00
15	STM SWR, ARCHED RCP, EQUIV 42	LF	17.	\$210.00	\$3,570.00	\$235.00	\$3,995.00	\$240.00	\$4,080.00	\$235.00	\$3,995.00
16	RMVL OF STM SWR, RCP, 8"	LF	9.	\$10.00	\$90.00	\$15.50	\$139.50	\$25.00	\$225.00	\$15.50	\$139.50
17	RMVL OF STM SWR, RCP, 12"	LF	336.	\$12.00	\$4,032.00	\$15.50	\$5,208.00	\$16.00	\$5,376.00	\$15.50	\$5,208.00
18	RMVL OF STM SWR, RCP, 15"	LF	150.	\$13.00	\$1,950.00	\$15.50	\$2,325.00	\$16.00	\$2,400.00	\$15.50	\$2,325.00
19	RMVL OF STM SWR, RCP, 18"	LF	133.	\$14.00	\$1,862.00	\$15.50	\$2,061.50	\$16.00	\$2,128.00	\$15.50	\$2,061.50
20	RMVL OF STM SWR, RCP, 24"	LF	663.	\$15.00	\$9,945.00	\$15.50	\$10,276.50	\$16.00	\$10,608.00	\$15.50	\$10,276.50
21	RMVL OF STM SWR, RCP, 30"	LF	43.	\$18.00	\$774.00	\$15.50	\$666.50	\$16.00	\$688.00	\$15.50	\$666.50
22	RMVL OF STM SWR, RCP, 36"	LF	310.	\$20.00	\$6,200.00	\$15.50	\$4,805.00	\$16.00	\$4,960.00	\$15.50	\$4,805.00
23	RMVL OF STM SWR, RCP, 72"	LF	130.	\$50.00	\$6,500.00	\$15.50	\$2,015.00	\$16.00	\$2,080.00	\$15.50	\$2,015.00
24	RMVL OF STM SWR, CMP, 12"	LF	55.	\$12.00	\$660.00	\$15.50	\$852.50	\$16.00	\$880.00	\$15.50	\$852.50
25	RMVL OF STM SWR, CMP, 18"	LF	46.	\$14.00	\$644.00	\$15.50	\$713.00	\$16.00	\$736.00	\$15.50	\$713.00
26	RMVL OF STM SWR, CMP, 24"	LF	64.	\$15.00	\$960.00	\$15.50	\$992.00	\$16.00	\$1,024.00	\$15.50	\$992.00
27	APRONS, CONC, 24 IN. DIA.	EACH	1.	\$1,500.00	\$1,500.00	\$1,300.00	\$1,300.00	\$1,400.00	\$1,400.00	\$1,300.00	\$1,300.00
28	APRONS, CONC, 78 IN. DIA.	EACH	2.	\$5,000.00	\$10,000.00	\$4,600.00	\$9,200.00	\$4,750.00	\$9,500.00	\$4,600.00	\$9,200.00
29	APRON, LOW CLEARANCE RCP, EQ	EACH	1.	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00
30	WATER MAIN, TRENCHED, PVC, 6 I	LF	116.	\$55.00	\$6,380.00	\$45.00	\$5,220.00	\$47.00	\$5,452.00	\$45.00	\$5,220.00
31	WATER MAIN, TRENCHED, PVC, 8 I	LF	230.	\$60.00	\$13,800.00	\$48.00	\$11,040.00	\$50.00	\$11,500.00	\$48.00	\$11,040.00
32	WATER MAIN, TRENCHED, PVC, 10	LF	308.	\$70.00	\$21,560.00	\$48.00	\$14,784.00	\$50.00	\$15,400.00	\$48.00	\$14,784.00
33	WATER MAIN, TRENCHED, PVC, 12	LF	373.	\$80.00	\$29,840.00	\$52.00	\$19,396.00	\$53.00	\$19,769.00	\$52.00	\$19,396.00
34	WATER MAIN, TRENCHED, PVC, 16	LF	1,294.	\$85.00	\$109,990.00	\$65.00	\$84,110.00	\$66.00	\$85,404.00	\$65.00	\$84,110.00
35	FITTINGS BY WEIGHT, DUCTILE IRC	LB	15,094.	\$10.00	\$150,940.00	\$10.50	\$158,487.00	\$11.00	\$166,034.00	\$10.50	\$158,487.00
36	VALVE, GATE, DIP, 6 IN.	EACH	1.	\$1,500.00	\$1,500.00	\$1,350.00	\$1,350.00	\$1,400.00	\$1,400.00	\$1,350.00	\$1,350.00
37	VALVE, GATE, DIP, 8 IN.	EACH	4.	\$2,000.00	\$8,000.00	\$1,700.00	\$6,800.00	\$1,750.00	\$7,000.00	\$1,700.00	\$6,800.00
38	VALVE, GATE, DIP, 10 IN.	EACH	2.	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00	\$2,600.00	\$5,200.00	\$2,500.00	\$5,000.00
39	VALVE, GATE, DIP, 12 IN.	EACH	2.	\$2,700.00	\$5,400.00	\$3,000.00	\$6,000.00	\$3,100.00	\$6,200.00	\$3,000.00	\$6,000.00
40	VALVE, GATE, DIP, 16 IN.	EACH	4.	\$3,000.00	\$12,000.00	\$7,000.00	\$28,000.00	\$7,200.00	\$28,800.00	\$7,000.00	\$28,000.00
41	LIVE TAPPING ASSEMBLY, 16 IN.	EACH	2.	\$6,000.00	\$12,000.00	\$3,800.00	\$7,600.00	\$3,900.00	\$7,800.00	\$3,800.00	\$7,600.00
42	VALVE BOX EXTENSION	EACH	20.	\$500.00	\$10,000.00	\$350.00	\$7,000.00	\$375.00	\$7,500.00	\$350.00	\$7,000.00
43	WATER SERVICE PIPE, TYPE 'K', 1	LF	72.	\$35.00	\$2,520.00	\$40.00	\$2,880.00	\$42.00	\$3,024.00	\$40.00	\$2,880.00
44	WATER SERVICE CORPORATION	EACH	3.	\$1,500.00	\$4,500.00	\$310.00	\$930.00	\$325.00	\$975.00	\$310.00	\$930.00
45	FIRE HYDRANT ASSEMBLY, WM-20	EACH	11.	\$5,000.00	\$55,000.00	\$3,900.00	\$42,900.00	\$4,000.00	\$44,000.00	\$3,900.00	\$42,900.00
46	CONNECTION TO EXISTING WATER	EACH	18.	\$2,500.00	\$45,000.00	\$1,800.00	\$32,400.00	\$1,875.00	\$33,750.00	\$1,800.00	\$32,400.00
47	WATERMAIN BYPASS ASSEMBLY	EACH	5.	\$15,000.00	\$75,000.00	\$8,250.00	\$41,250.00	\$8,500.00	\$42,500.00	\$8,250.00	\$41,250.00
48	FIRE HYDRANT ADJUSTMENT	EACH	3.	\$1,700.00	\$5,100.00	\$3,500.00	\$10,500.00	\$3,600.00	\$10,800.00	\$3,500.00	\$10,500.00
49	MANHOLE, STM SWR, SW-401, 48 I	EACH	5.	\$4,000.00	\$20,000.00	\$3,200.00	\$16,000.00	\$3,300.00	\$16,500.00	\$3,200.00	\$16,000.00
50	MANHOLE, STM SWR, SW-401, 60 I	EACH	5.	\$6,000.00	\$30,000.00	\$4,200.00	\$21,000.00	\$4,300.00	\$21,500.00	\$4,200.00	\$21,000.00
51	MANHOLE, STM SWR, SW-401, 72 I	EACH	1.	\$8,000.00	\$8,000.00	\$5,500.00	\$5,500.00	\$5,600.00	\$5,600.00	\$5,500.00	\$5,500.00
52	MANHOLE, STM SWR, SW-401, 96 I	EACH	1.	\$13,000.00	\$13,000.00	\$10,000.00	\$10,000.00	\$10,250.00	\$10,250.00	\$10,000.00	\$10,000.00
53	MANHOLE, STM SWR, SW-404	EACH	1.	\$18,000.00	\$18,000.00	\$22,000.00	\$22,000.00	\$22,500.00	\$22,500.00	\$22,000.00	\$22,000.00
54	MANHOLE, STM SWR, SW-406	EACH	1.	\$7,000.00	\$7,000.00	\$4,800.00	\$4,800.00	\$5,000.00	\$5,000.00	\$4,800.00	\$4,800.00
55	INTAKE, SW-505	EACH	33.	\$4,000.00	\$132,000.00	\$4,500.00	\$148,500.00	\$4,600.00	\$151,800.00	\$4,500.00	\$148,500.00
56	INTAKE, SW-505, (MODIFIED)	EACH	5.	\$5,500.00	\$27,500.00	\$7,200.00	\$36,000.00	\$7,400.00	\$37,000.00	\$7,200.00	\$36,000.00
57	INTAKE, SW-506	EACH	29.	\$6,000.00	\$174,000.00	\$7,600.00	\$220,400.00	\$7,800.00	\$226,200.00	\$7,600.00	\$220,400.00
58	INTAKE, SW-506, (MODIFIED TYPE	EACH	4.	\$8,000.00	\$32,000.00	\$9,500.00	\$38,000.00	\$9,700.00	\$38,800.00	\$9,500.00	\$38,000.00
59	INTAKE, SW-506, (MODIFIED TYPE	EACH	5.	\$7,500.00	\$37,500.00	\$9,500.00	\$47,500.00	\$9,700.00	\$48,500.00	\$9,500.00	\$47,500.00
60	INTAKE, SW-512, 24 IN.	EACH	1.	\$2,400.00	\$2,400.00	\$1,600.00	\$1,600.00	\$1,650.00	\$1,650.00	\$1,600.00	\$1,600.00
61	INTAKE, SW-513	EACH	4.	\$6,000.00	\$24,000.00	\$4,000.00	\$16,000.00	\$4,100.00	\$16,400.00	\$4,000.00	\$16,000.00
62	INTAKE, SW-513 (MODIFIED)	EACH	1.	\$6,500.00	\$6,500.00	\$3,800.00	\$3,800.00	\$3,900.00	\$3,900.00	\$3,800.00	\$3,800.00



**104th Street Reconstruction Project
Project # 2018-005**

			Engineer's Estimate		Concrete Technologies Inc.		Alliance Construction Group LLC		Absolute Concrete Construction, Inc.		
Item	Description	Unit	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
63	INTAKE/MANHOLE ADJ, MINOR	EACH	11.	\$1,200.00	\$13,200.00	\$1,800.00	\$19,800.00	\$1,800.00	\$19,800.00	\$1,800.00	\$19,800.00
64	INTAKE/MANHOLE ADJ, MAJOR	EACH	7.	\$2,500.00	\$17,500.00	\$2,300.00	\$16,100.00	\$2,400.00	\$16,800.00	\$2,300.00	\$16,100.00
65	CONNECT TO EXISTING PIPE	EACH	9.	\$500.00	\$4,500.00	\$1,000.00	\$9,000.00	\$1,100.00	\$9,900.00	\$1,000.00	\$9,000.00
66	CONNECT TO EXIST INTAKE/MH	EACH	3.	\$2,000.00	\$6,000.00	\$1,650.00	\$4,950.00	\$1,700.00	\$5,100.00	\$1,650.00	\$4,950.00
67	RMVL OF INTAKE/MANHOLE	EACH	12.	\$1,000.00	\$12,000.00	\$760.00	\$9,120.00	\$775.00	\$9,300.00	\$760.00	\$9,120.00
68	PAVT, PCC, 8.25" REIN. (C-4 MIX)	SY	26,880.	\$60.00	\$1,612,800.00	\$56.50	\$1,518,720.00	\$60.00	\$1,612,800.00	\$59.50	\$1,599,360.00
69	PAVT, PCC, 8.25" REIN. (M-4 MIX)	SY	1,000.	\$70.00	\$70,000.00	\$80.00	\$80,000.00	\$75.00	\$75,000.00	\$75.00	\$75,000.00
70	TEMP GRANULAR SURFACING	TON	70.	\$35.00	\$2,450.00	\$96.00	\$6,720.00	\$125.00	\$8,750.00	\$96.00	\$6,720.00
71	PERMANENT HMA PAVT	SY	225.	\$60.00	\$13,500.00	\$32.50	\$7,312.50	\$35.00	\$7,875.00	\$66.65	\$14,996.25
72	TEMPORARY HMA PAVT, 6 IN.	SY	1,500.	\$55.00	\$82,500.00	\$65.35	\$98,025.00	\$65.00	\$97,500.00	\$71.75	\$107,625.00
73	RMVL OF SIDEWALK	SY	200.	\$12.00	\$2,400.00	\$15.30	\$3,060.00	\$15.00	\$3,000.00	\$20.00	\$4,000.00
74	RMVL OF DRIVEWAY	SY	4,295.	\$14.00	\$60,130.00	\$10.80	\$46,386.00	\$12.00	\$51,540.00	\$12.00	\$51,540.00
75	SIDEWALK, PCC, 4 IN.	SY	5,050.	\$50.00	\$252,500.00	\$35.25	\$178,012.50	\$36.00	\$181,800.00	\$65.00	\$328,250.00
76	SIDEWALK, PCC, 6 IN.	SY	274.	\$60.00	\$16,440.00	\$77.50	\$21,235.00	\$45.00	\$12,330.00	\$95.00	\$26,030.00
77	DETECTABLE WARNINGS	SF	280.	\$45.00	\$12,600.00	\$45.25	\$12,670.00	\$43.00	\$12,040.00	\$45.00	\$12,600.00
78	DRIVEWAY, PAVED, CONC, 7 IN.	SY	3,656.	\$55.00	\$201,080.00	\$42.25	\$154,466.00	\$50.00	\$182,800.00	\$50.00	\$182,800.00
79	DRIVEWAY, GRANULAR	TON	8.5	\$35.00	\$297.50	\$96.00	\$816.00	\$200.00	\$1,700.00	\$96.00	\$816.00
80	PAVEMENT RMVL	SY	23,335.	\$13.00	\$303,355.00	\$15.45	\$360,525.75	\$17.00	\$396,695.00	\$16.00	\$373,360.00
81	TRAFFIC SIGNALIZATION	LS	1.	\$18,000.00	\$18,000.00	\$29,000.00	\$29,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00
82	PORT. DYN MSG SIGN (PDMS)	CDAY	70.	\$100.00	\$7,000.00	\$135.00	\$9,450.00	\$140.00	\$9,800.00	\$140.00	\$9,800.00
83	PAINTED PAVT MRKG, SOLV/WB	STA	139.	\$35.00	\$4,865.00	\$30.00	\$4,170.00	\$48.00	\$6,672.00	\$30.75	\$4,274.25
84	PAINTED SYMBOLS	EACH	41.	\$200.00	\$8,200.00	\$115.00	\$4,715.00	\$125.00	\$5,125.00	\$120.00	\$4,920.00
85	GROOVES CUT FOR PAVT MKGS	STA	139.	\$20.00	\$2,780.00	\$41.00	\$5,699.00	\$45.00	\$6,255.00	\$42.00	\$5,838.00
86	TRAFFIC CONTROL	LS	1.	\$100,000.00	\$100,000.00	\$85,000.00	\$85,000.00	\$62,000.00	\$62,000.00	\$35,000.00	\$35,000.00
87	HYD SEED/FERT/MULCH, TYPE 1	ACRE	7.5	\$2,000.00	\$15,000.00	\$2,995.00	\$22,462.50	\$3,100.00	\$23,250.00	\$3,250.00	\$24,375.00
88	HYD SEED/FERT, TYPE 4	ACRE	15.	\$1,500.00	\$22,500.00	\$300.00	\$4,500.00	\$325.00	\$4,875.00	\$2,200.00	\$33,000.00
89	SEEDING WARRANTY, 12 MONTH	LS	1.	\$1,000.00	\$1,000.00	\$5,400.00	\$5,400.00	\$5,500.00	\$5,500.00	\$5,000.00	\$5,000.00
90	SWPPP MANAGEMENT	LS	1.	\$5,000.00	\$5,000.00	\$5,750.00	\$5,750.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00
91	FILTER SOCK, 9 IN. DIA.	LF	2,910.	\$1.50	\$4,365.00	\$1.40	\$4,074.00	\$1.50	\$4,365.00	\$3.25	\$9,457.50
92	FILTER SOCK, RMVL	LF	2,910.	\$0.50	\$1,455.00	\$0.10	\$291.00	\$0.25	\$727.50	\$0.10	\$291.00
93	RIPRAP, CLASS D	TON	340.	\$60.00	\$20,400.00	\$82.50	\$28,050.00	\$90.00	\$30,600.00	\$82.50	\$28,050.00
94	SILT FENCE, INSTALLATION	LF	9,450.	\$2.00	\$18,900.00	\$1.40	\$13,230.00	\$1.50	\$14,175.00	\$1.50	\$14,175.00
95	SILT FENCE, RMVL OF SEDIMENT	LF	4,725.	\$0.25	\$1,181.25	\$0.10	\$472.50	\$0.25	\$1,181.25	\$0.10	\$472.50
96	SILT FENCE, RMVL OF DEVICE	LF	9,450.	\$0.50	\$4,725.00	\$0.10	\$945.00	\$0.25	\$2,362.50	\$0.10	\$945.00
97	EROS CTRL, HYDROMULCH	ACRE	7.5	\$1,500.00	\$11,250.00	\$1,350.00	\$10,125.00	\$1,400.00	\$10,500.00	\$1,700.00	\$12,750.00
98	INLET PROT DEVICE	EACH	162.	\$250.00	\$40,500.00	\$117.00	\$18,954.00	\$125.00	\$20,250.00	\$125.00	\$20,250.00
99	INLET PROT DEVICE, MAINT.	EACH	162.	\$35.00	\$5,670.00	\$10.00	\$1,620.00	\$25.00	\$4,050.00	\$50.00	\$8,100.00
100	INLET PROT DEVICE, RMVL	EACH	162.	\$45.00	\$7,290.00	\$10.00	\$1,620.00	\$25.00	\$4,050.00	\$25.00	\$4,050.00
101	CH LINK FENCE, BLK VINYL, 42 IN.	LF	144.	\$65.00	\$9,360.00	\$25.00	\$3,600.00	\$30.00	\$4,320.00	\$26.00	\$3,744.00
102	CONSTRUCTION SURVEY	LS	1.	\$40,000.00	\$40,000.00	\$41,350.00	\$41,350.00	\$46,000.00	\$46,000.00	\$45,000.00	\$45,000.00
103	MONUMENT PRESERV/REPLACE	LS	1.	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00	\$2,200.00	\$2,200.00	\$1,850.00	\$1,850.00
Total					\$5,263,980.75		\$5,142,662.25		\$5,448,838.25		\$5,452,125.00