

PARKHILL STORM PHASE V		Engineers Estimate		Reynolds Construction, LLC		American Civil Constructors		Ames Construction, Inc.		BT Construction, Inc.		Flatiron Constructors, inc		Concrete Works of Colorado, Inc.	
Contract No: 201734065				Travelers Casualty and Surety Company		Fidelity and Deposit Company of		Travelers Casualty and Surety Compa		Hartford Fire Insurance Company		Liberty Mutual insurance Company		Hartford Fire Insurance Company	
Bid Item	Description	Bid Qty	Unit	Unit Price	Total Price	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
01-52.13	TEMPORARY OFFICE FACILITIES	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 100,000.00	\$ 100,000.00	\$ 65,000.00	\$ 65,000.00	\$ 75,000.00	\$ 75,000.00	\$ 51,500.00	\$ 51,500.00	\$ 50,000.00	\$ 50,000.00
2-1.2a	REMOVE 6" CONCRETE CURB AND/OR GUTTER	210	LF	\$ 6.00	\$ 1,260.00	\$ 27.00	\$ 5,670.00	\$ 9.00	\$ 1,890.00	\$ 10.00	\$ 2,100.00	\$ 5.00	\$ 1,050.00	\$ 6.00	\$ 1,260.00
2-1.4	REMOVE HANDICAP CONCRETE CURB RAMP	1500	SF	\$ 6.00	\$ 9,000.00	\$ 6.00	\$ 9,000.00	\$ 2.50	\$ 3,750.00	\$ 3.00	\$ 4,500.00	\$ 4.00	\$ 6,000.00	\$ 3.00	\$ 4,500.00
2-2.1	REMOVE CONCRETE SIDEWALK	1260	SF	\$ 6.00	\$ 7,560.00	\$ 7.00	\$ 8,820.00	\$ 3.00	\$ 3,780.00	\$ 3.00	\$ 3,780.00	\$ 4.00	\$ 5,040.00	\$ 2.00	\$ 2,520.00
2-3.4	REMOVE CONCRETE STREET INTERSECTION GUTTER (CROSS)	10800	SF	\$ 8.00	\$ 86,400.00	\$ 11.00	\$ 118,800.00	\$ 3.75	\$ 40,500.00	\$ 2.00	\$ 21,600.00	\$ 4.00	\$ 43,200.00	\$ 2.00	\$ 21,600.00
2-6	REMOVE CONCRETE HEADWALL	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 10,200.00	\$ 10,200.00	\$ 5,000.00	\$ 5,000.00
2-11.1c	REMOVE EXISTING 12" SANITARY SEWER PIPE	20	LF	\$ 50.00	\$ 1,000.00	\$ 175.00	\$ 3,500.00	\$ 74.00	\$ 1,480.00	\$ 40.00	\$ 800.00	\$ 875.00	\$ 17,500.00	\$ 78.00	\$ 1,560.00
2-11.1e	REMOVE EXISTING 18" SANITARY SEWER PIPE	210	LF	\$ 50.00	\$ 10,500.00	\$ 120.00	\$ 25,200.00	\$ 75.00	\$ 15,750.00	\$ 40.00	\$ 8,400.00	\$ 80.00	\$ 16,800.00	\$ 9.00	\$ 1,890.00
2-11.1c	REMOVE EXISTING 12" STORM SEWER PIPE	55	LF	\$ 50.00	\$ 2,750.00	\$ 175.00	\$ 9,625.00	\$ 38.00	\$ 2,090.00	\$ 55.00	\$ 3,025.00	\$ 60.00	\$ 3,300.00	\$ 45.00	\$ 2,475.00
2-11.1d	REMOVE EXISTING 15" STORM SEWER PIPE	100	LF	\$ 50.00	\$ 5,000.00	\$ 110.00	\$ 11,000.00	\$ 50.00	\$ 5,000.00	\$ 55.00	\$ 5,500.00	\$ 65.00	\$ 6,500.00	\$ 45.00	\$ 4,500.00
2-11.5a	ABANDON EXISTING 8" SEWER PIPE	460	LF	\$ 8.00	\$ 3,680.00	\$ 40.00	\$ 18,400.00	\$ 2.00	\$ 920.00	\$ 30.00	\$ 13,800.00	\$ 21.00	\$ 9,660.00	\$ 7.00	\$ 3,220.00
2-11.5c	ABANDON EXISTING 12" SEWER PIPE	150	LF	\$ 12.00	\$ 1,800.00	\$ 50.00	\$ 7,500.00	\$ 4.00	\$ 600.00	\$ 45.00	\$ 6,750.00	\$ 36.00	\$ 5,400.00	\$ 10.00	\$ 1,500.00
2-11.5c	ABANDON EXISTING 12" SEWER PIPE	250	LF	\$ 15.00	\$ 3,750.00	\$ 52.00	\$ 13,000.00	\$ 5.00	\$ 1,250.00	\$ 35.00	\$ 8,750.00	\$ 55.00	\$ 13,750.00	\$ 24.00	\$ 6,000.00
2-12.1	REMOVE EXISTING SANITARY MANHOLE	2	EA	\$ 800.00	\$ 1,600.00	\$ 3,400.00	\$ 6,800.00	\$ 1,500.00	\$ 3,000.00	\$ 1,200.00	\$ 2,400.00	\$ 5,200.00	\$ 10,400.00	\$ 1,600.00	\$ 3,200.00
2-12.3	ABANDON EXISTING SANITARY MANHOLE	6	EA	\$ 1,200.00	\$ 7,200.00	\$ 1,600.00	\$ 9,600.00	\$ 1,500.00	\$ 9,000.00	\$ 2,500.00	\$ 15,000.00	\$ 6,400.00	\$ 38,400.00	\$ 2,000.00	\$ 12,000.00
2-13.1	REMOVE EXISTING STORM INLET	1	EA	\$ 800.00	\$ 800.00	\$ 5,700.00	\$ 5,700.00	\$ 1,550.00	\$ 1,550.00	\$ 800.00	\$ 800.00	\$ 5,000.00	\$ 5,000.00	\$ 1,400.00	\$ 1,400.00
2-17.3	REMOVE AND REPLACE SIGN	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 425.00	\$ 850.00	\$ 240.00	\$ 480.00	\$ 800.00	\$ 1,600.00	\$ 500.00	\$ 1,000.00	\$ 400.00	\$ 800.00
2-20b	REMOVE RAILROAD TRACKS	250	LF	\$ 100.00	\$ 25,000.00	\$ 455.00	\$ 113,750.00	\$ 23.00	\$ 5,750.00	\$ 40.00	\$ 10,000.00	\$ 350.00	\$ 87,500.00	\$ 105.00	\$ 26,250.00
02-22.13	VIBRATION ASSESSMENT	1	LS	\$ 40,000.00	\$ 40,000.00	\$ 110,000.00	\$ 110,000.00	\$ 25,000.00	\$ 25,000.00	\$ 100,105.00	\$ 100,105.00	\$ 18,700.00	\$ 18,700.00	\$ 100,000.00	\$ 100,000.00
2-23	REMOVE DECORATIVE LANDSCAPING	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 9,000.00	\$ 9,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,200.00	\$ 2,200.00	\$ 6,200.00	\$ 6,200.00	\$ 900.00	\$ 900.00
3-7a	HEALTH & SAFETY PLAN	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 2,400.00	\$ 2,400.00	\$ 6,000.00	\$ 6,000.00	\$ 4,600.00	\$ 4,600.00	\$ 3,100.00	\$ 3,100.00	\$ 2,500.00	\$ 2,500.00
3-7b	MATERIAL MANAGEMENT PLAN	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 5,700.00	\$ 5,700.00	\$ 6,000.00	\$ 6,000.00	\$ 2,300.00	\$ 2,300.00	\$ 3,100.00	\$ 3,100.00	\$ 2,500.00	\$ 2,500.00
5-2a	SUBGRADE MATERIAL (SELECT BACKFILL)	4000	TON	\$ 10.00	\$ 40,000.00	\$ 10.00	\$ 40,000.00	\$ 29.00	\$ 116,000.00	\$ 15.00	\$ 60,000.00	\$ 30.00	\$ 120,000.00	\$ 50.00	\$ 200,000.00
5-9	PERMEATION GROUTING	351	LF	\$ 1,000.00	\$ 351,000.00	\$ 870.00	\$ 305,370.00	\$ 1,000.00	\$ 351,000.00	\$ 800.00	\$ 280,800.00	\$ 1.00	\$ 351.00	\$ 1,100.00	\$ 386,100.00
5-9	PERMEATION GROUTING	351	LF	\$ 1,000.00	\$ 351,000.00	\$ 705.00	\$ 247,455.00	\$ 821.00	\$ 288,171.00	\$ 1,000.00	\$ 351,000.00	\$ 1.00	\$ 351.00	\$ 1,000.00	\$ 351,000.00
8-1.1b	6" DIP AWWA C151, CLASS 50 WATER LINE	97	LF	\$ 215.00	\$ 20,855.00	\$ 185.00	\$ 17,945.00	\$ 105.00	\$ 10,185.00	\$ 200.00	\$ 19,400.00	\$ 130.00	\$ 12,610.00	\$ 150.00	\$ 14,550.00
8-1.2b	INSTALL 6" WATER VALVE	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,600.00	\$ 1,600.00
8-1.3d	12" PVC AWWA C900, CLASS 150	525	LF	\$ 200.00	\$ 105,000.00	\$ 105.00	\$ 55,125.00	\$ 135.00	\$ 70,875.00	\$ 165.00	\$ 86,625.00	\$ 110.00	\$ 57,750.00	\$ 145.00	\$ 76,125.00
8-1.3d	12" PVC AWWA C900, CLASS 150	85	LF	\$ 400.00	\$ 34,000.00	\$ 355.00	\$ 30,175.00	\$ 390.00	\$ 33,150.00	\$ 310.00	\$ 26,350.00	\$ 230.00	\$ 19,550.00	\$ 245.00	\$ 20,825.00
8-1.5a	LEAD SERVICE LINE REPLACEMENT, <2" ID	120	LF	\$ 40.00	\$ 4,800.00	\$ 45.00	\$ 5,400.00	\$ 100.00	\$ 12,000.00	\$ 75.00	\$ 9,000.00	\$ 310.00	\$ 37,200.00	\$ 140.00	\$ 16,800.00
8-1.5b	LEAD SERVICE LINE REPLACEMENT, >2" ID	120	LF	\$ 40.00	\$ 4,800.00	\$ 85.00	\$ 10,200.00	\$ 140.00	\$ 16,800.00	\$ 60.00	\$ 7,200.00	\$ 310.00	\$ 37,200.00	\$ 200.00	\$ 24,000.00
8-2	REMOVE FIRE HYDRANT ASSEMBLY	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 1,300.00	\$ 2,600.00	\$ 1,600.00	\$ 3,200.00	\$ 600.00	\$ 1,200.00	\$ 5,050.00	\$ 10,100.00	\$ 2,700.00	\$ 5,400.00
8-3	RESET OR INSTALL FIRE HYDRANT ASSEMBLY	2	EA	\$ 3,500.00	\$ 7,000.00	\$ 12,000.00	\$ 24,000.00	\$ 8,300.00	\$ 16,600.00	\$ 5,000.00	\$ 10,000.00	\$ 9,300.00	\$ 18,600.00	\$ 5,000.00	\$ 10,000.00
8-4	REMOVE EXISTING WATER LINE	1600	LF	\$ 5.00	\$ 8,000.00	\$ 35.00	\$ 56,000.00	\$ 15.50	\$ 24,800.00	\$ 20.00	\$ 32,000.00	\$ 16.00	\$ 25,600.00	\$ 6.00	\$ 9,600.00
12-1.1	6" CURB AND GUTTER 2' PAN (CDDT T2, IIB)	210	LF	\$ 30.00	\$ 6,300.00	\$ 48.00	\$ 10,080.00	\$ 29.00	\$ 6,090.00	\$ 40.00	\$ 8,400.00	\$ 23.25	\$ 4,882.50	\$ 38.00	\$ 7,980.00
12-1.8	HANDICAP CONCRETE CURB RAMP	2000	SF	\$ 22.00	\$ 44,000.00	\$ 10.00	\$ 20,000.00	\$ 14.00	\$ 28,000.00	\$ 20.00	\$ 40,000.00	\$ 13.00	\$ 26,000.00	\$ 18.00	\$ 36,000.00
12.2.1	CONCRETE SIDEWALK	1260	SF	\$ 8.00	\$ 10,080.00	\$ 12.00	\$ 15,120.00	\$ 10.00	\$ 12,600.00	\$ 17.00	\$ 21,420.00	\$ 5.75	\$ 7,245.00	\$ 7.00	\$ 8,820.00
12-3.2	5' CONCRETE VALLEY GUTTER	10300	SF	\$ 8.00	\$ 82,400.00	\$ 17.00	\$ 175,100.00	\$ 10.00	\$ 103,000.00	\$ 14.00	\$ 144,200.00	\$ 10.50	\$ 108,150.00	\$ 16.00	\$ 164,800.00
12-5.1	CONCRETE DRIVEWAY PAVING	365	SF	\$ 10.00	\$ 3,650.00	\$ 17.00	\$ 6,205.00	\$ 13.00	\$ 4,745.00	\$ 15.00	\$ 5,475.00	\$ 7.00	\$ 2,555.00	\$ 7.50	\$ 2,737.50
20-1	ASPHALTIC TEMPORARY PATCHING	5500	SY-IN	\$ 4.00	\$ 22,000.00	\$ 18.00	\$ 99,000.00	\$ 20.80	\$ 114,400.00	\$ 15.00	\$ 82,500.00	\$ 6.75	\$ 37,125.00	\$ 16.00	\$ 88,000.00
20-2ce	ASPHALT SURFACE COURSE, SX, RAP 20%, N=100, 64-22.	22000	SY-IN	\$ 4.00	\$ 88,000.00	\$ 7.00	\$ 154,000.00	\$ 8.10	\$ 178,200.00	\$ 5.00	\$ 110,000.00	\$ 5.00	\$ 110,000.00	\$ 6.00	\$ 132,000.00
20-3ce	ASPHALT BASE COURSE, S, RAP 20%, N=100, 64-22.	80000	SY-IN	\$ 4.00	\$ 320,000.00	\$ 7.00	\$ 560,000.00	\$ 7.50	\$ 600,000.00	\$ 5.00	\$ 400,000.00	\$ 5.75	\$ 460,000.00	\$ 5.00	\$ 400,000.00
20-4	ASPHALT ROTOMILL	70000	SY-IN	\$ 4.00	\$ 280,000.00	\$ 2.00	\$ 140,000.00	\$ 1.22	\$ 85,400.00	\$ 1.20	\$ 84,000.00	\$ 2.50	\$ 175,000.00	\$ 1.00	\$ 70,000.00
34-2.3d	15" DIAMETER C-76 RCP, CLASS III	100	LF	\$ 200.00	\$ 20,000.00	\$ 315.00	\$ 31,500.00	\$ 132.00	\$ 13,200.00	\$ 180.00	\$ 18,000.00	\$ 140.00	\$ 14,000.00	\$ 220.00	\$ 22,000.00
34-2.3e	18" DIAMETER C-76 RCP, CLASS III	142	LF	\$ 250.00	\$ 35,500.00	\$ 275.00	\$ 39,050.00	\$ 154.00	\$ 21,868.00	\$ 260.00	\$ 36,920.00	\$ 197.00	\$ 27,974.00	\$ 175.00	\$ 24,850.00
34-2.3t	84" DIAMETER C-76 RCP, CLASS III	877	LF	\$ 1,400.00	\$ 1,227,800.00	\$ 720.00	\$ 631,440.00	\$ 1,445.00	\$ 1,267,265.00	\$ 1,300.00	\$ 1,140,100.00	\$ 790.00	\$ 692,830.00	\$ 822.00	\$ 720,894.00
34-2.5t	84" DIAMETER C-76 RCP, CLASS V	120	LF	\$ 1,600.00	\$ 192,000.00	\$ 896.00	\$ 107,520.00	\$ 1,540.00	\$ 184,800.00	\$ 1,200.00	\$ 144,000.00	\$ 1,000.00	\$ 120,000.00	\$ 900.00	\$ 108,000.00
34-7.1a	8" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	50	LF	\$ 200.00	\$ 10,000.00	\$ 445.00	\$ 22,250.00	\$ 127.00	\$ 6,350.00	\$ 330.00	\$ 16,500.00	\$ 155.00	\$ 7,750.00	\$ 300.00	\$ 15,000.00
34-7.1c	12" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	135	LF	\$ 250.00	\$ 33,750.00	\$ 335.00	\$ 45,225.00	\$ 160.00	\$ 21,600.00	\$ 250.00	\$ 33,750.00	\$ 2,900.00	\$ 391,500.00	\$ 300.00	\$ 40,500.00
34-7.1g	24" DIAMETER PVC PIPE	1035	LF	\$ 500.00	\$ 517,500.00	\$ 272.00	\$ 281,520.00	\$ 595.00	\$ 615,825.00	\$ 800.00	\$ 828,000.00	\$ 1,030.00	\$ 1,066,050.00	\$ 320.00	\$ 331,200.00
34-7.3g	24" DIAMETER PVC PIPE WITH STEEL CASING	116	LF	\$ 800.00	\$ 92,800.00	\$ 530.00	\$ 61,480.00	\$ 950.00	\$ 110,200.00	\$ 1,100.00	\$ 127,600.00	\$ 730.00	\$ 84,680.00	\$ 500.00	\$ 58,000.00
34-11.1g	24" DIAMETER PVC PIPE BY JACKING/BORING WITH STEEL	351	LF	\$ 2,200.00	\$ 772,200.00	\$ 2,400.00	\$ 842,400.00	\$ 1,046.00	\$ 367,146.00	\$ 1,700.00	\$ 596,700.00	\$ 875.00	\$ 307,125.00	\$ 900.00	\$ 315,900.00
34-11.6w	84" DIAMETER RPMP BY JACKING/BORING	351	LF	\$ 5,900.00	\$ 2,070,900.00	\$ 3,204.00	\$ 1,124,604.00	\$ 2,316.00	\$ 812,916.00	\$ 1,500.00	\$ 526,500.00	\$ 2,900.00	\$ 1,017,900.00	\$ 1,700.00	\$ 596,700.00
34-11.9w	84" RP														

PARKHILL STORM PHASE V - ENGINEERS OPINION OF PROBABLE COSTS (ADD ALT 1)											
Bid Item	Description	Notes	Units	Qty (Alt 1)	Unit Cost	Total					
2-1.2a	REMOVE 6" CONCRETE CURB AND/OR GUTTER		LF	1000	\$ 6.00	\$ 6,000.00					
2-2.1	REMOVE CONCRETE SIDEWALK		SF	5000	\$ 6.00	\$ 30,000.00					
2-11.1e	REMOVE EXISTING 18" SANITARY SEWER PIPE		LF	850	\$ 50.00	\$ 42,500.00					
2-12.1	REMOVE EXISTING SANITARY MANHOLE		EA	2	\$ 800.00	\$ 1,600.00					
2-16.1	REMOVE CHAIN LINK FENCE	Temporary Access Safeway	EA	60	\$ 15.00	\$ 900.00					
8-4	REMOVE EXISTING WATER LINE	12" D.I.P within Trench Limits, abandon 350 LF underneath I-70	LF	900	\$ 5.00	\$ 4,500.00					
12-1.1	6" CURB AND GUTTER 2' PAN (CDOT T2, IIB)		LF	1000	\$ 30.00	\$ 30,000.00					
12.2.1	CONCRETE SIDEWALK		SF	5000	\$ 8.00	\$ 40,000.00					
16-3	CHAIN LINK FENCE	Temporary Access Safeway	LF	60	\$ 30.00	\$ 1,800.00					
20-1	ASPHALTIC TEMPORARY PATCHING		SY-IN	3000	\$ 4.00	\$ 12,000.00					
20-2ce	ASPHALT SURFACE COURSE, SX, RAP 20%, N=100, 64-22.	Surface Course SX, RAP 20%, N=100, 64-22 (2.5-inches)	SY-IN	11500	\$ 4.00	\$ 46,000.00					
20-3ce	ASPHALT BASE COURSE, S, RAP 20%, N=100, 64-22.	Base Course S, RAP 20%, N=100, 64-22 (9-inches)	SY-IN	42500	\$ 4.00	\$ 170,000.00					
20-4	ASPHALT ROTOMILL		SY-IN	20000	\$ 4.00	\$ 80,000.00					
34-2.3h	27" DIAMETER C-76 RCP, CLASS III		LF	50	\$ 250.00	\$ 12,500.00					
34-2.3t	84" DIAMETER C-76 RCP, CLASS III		LF	838	\$ 1,400.00	\$ 1,173,200.00					
34-7.1e	18" DIAMETER PVC PIPE	Assumed size, could be smaller	LF	47	\$ 300.00	\$ 14,100.00					
34-7.1f	21" DIAMETER PVC PIPE		LF	845	\$ 350.00	\$ 295,750.00					
34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE A BASE & CONCENTRIC CONE	Manhole greater than 20-feet	EA	4	\$ 5,000.00	\$ 20,000.00					
34-12.4a	CAST-IN-PLACE TYPE B MANHOLE WITH TYPE A TOP SLAB	Manhole greater than 20-feet	EA	2	\$ 18,000.00	\$ 36,000.00					
34-13.1e	18" PIPE OUTSIDE DROP		EA	1	\$ 14,000.00	\$ 14,000.00					
34-13.1f	21" PIPE OUTSIDE DROP		EA	1	\$ 16,000.00	\$ 16,000.00					
34-15.1a	SANITARY SEWER TAP LOCATION AND VERIFICATION		EA	2	\$ 1,000.00	\$ 2,000.00					
34-15.2	RECONNECT SANITARY SEWER SERVICES (TAPS) (OPEN CUT)		EA	2	\$ 5,000.00	\$ 10,000.00					
34-15.3	UTILITY EXPLORATORY INVESTIGATION		EA	50	\$ 600.00	\$ 30,000.00					
41-1	TRAFFIC CONTROL		LS	1	\$ 150,000.00	\$ 150,000.00					
46-1	PAVEMENT MARKING (PAINT)		SF	100	\$ 7.00	\$ 700.00					
46-2	EXPOXY PAVEMENT MARKING	Permanent striping	SF	1500	\$ 7.00	\$ 10,500.00					
46-3	THERMOPLASTIC PAVEMENT MARKING	Stop Bars and Cross Walks	SF	300	\$ 26.00	\$ 7,800.00					
					Total (Add Alt 1)	\$ 2,257,850.00					