

Marston Lake North Upstream of Glenbrook Pond, Phase 1						230 Days		Concrete Works of Colorado, Inc.: Hartford Fire Insurance Company		BT Construction, Inc.: Hartford Fire Insurance Company	
202263705											
Bid Item	Description	Qty	Units	Unit Cost	Total Cost	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
Schedule A - IPM Base											
01-21.16.01	ALLOWANCE FOR TREE REMOVAL, TRIMMING/ REPLACEMENT AND DISPOSAL - SEE PROJECT SPECIAL PROVISIONS	1	A/A	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
34-12.10	8' Diameter Precast Manhole with Type C Base and Concentric Opening Flat Top - MHs 3 & 6	2	EA	\$12,000.00	\$24,000.00	\$20,500.00	\$41,000.00	\$28,300.00	\$56,600.00	\$28,300.00	\$56,600.00
01-52.13	TEMPORARY OFFICE FACILITIES	1	LS	\$30,000.00	\$30,000.00	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00
2-1.1b	REMOVE COMBINATION CONCRETE CURB, GUTTER AND SIDEWALK (3'-11")	488	LF	\$25.00	\$12,200.00	\$32.00	\$15,616.00	\$19.00	\$9,272.00	\$19.00	\$9,272.00
2-1.2a	REMOVE 6" CONCRETE CURB AND/OR GUTTER	218	LF	\$15.00	\$3,270.00	\$7.00	\$1,526.00	\$14.50	\$3,161.00	\$14.50	\$3,161.00
2-1.4	REMOVE SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP	1,843	SF	\$5.00	\$9,215.00	\$6.80	\$12,532.40	\$7.50	\$13,822.50	\$7.50	\$13,822.50
2-2.1	REMOVE CONCRETE SIDEWALK	1,604	SF	\$15.00	\$24,060.00	\$6.80	\$10,907.20	\$6.50	\$10,426.00	\$6.50	\$10,426.00
2-2.2	REMOVE CONCRETE DRIVEWAY PAVING	215	SF	\$8.00	\$1,720.00	\$6.80	\$1,462.00	\$10.70	\$2,300.50	\$10.70	\$2,300.50
2-3.4	REMOVE CONCRETE STREET INTERSECTION GUTTER (CROSSPAN) AND/OR VALLEY GUTTER	521	SF	\$7.00	\$3,647.00	\$12.00	\$6,252.00	\$7.25	\$3,777.25	\$7.25	\$3,777.25
2.6	REMOVE CONCRETE HEADWALL -Bowles Ditch - includes wingwalls and footing	1	EA	\$3,000.00	\$3,000.00	\$12,000.00	\$12,000.00	\$5,353.00	\$5,353.00	\$5,353.00	\$5,353.00
2-11.1a	REMOVE EXISTING 8" SANITARY SEWER PIPE	119	LF	\$100.00	\$11,900.00	\$71.00	\$8,449.00	\$55.00	\$6,545.00	\$55.00	\$6,545.00
2-11.2d	REMOVE EXISTING 15" STORM SEWER PIPE	134	LF	\$50.00	\$6,700.00	\$76.00	\$10,184.00	\$85.00	\$11,390.00	\$85.00	\$11,390.00
2-11.2e	REMOVE EXISTING 18" STORM SEWER PIPE	46	LF	\$75.00	\$3,450.00	\$80.00	\$3,680.00	\$132.00	\$6,072.00	\$132.00	\$6,072.00
2-12.1	REMOVE EXISTING SANITARY MANHOLE	1	EA	\$3,000.00	\$3,000.00	\$3,215.00	\$3,215.00	\$3,580.00	\$3,580.00	\$3,580.00	\$3,580.00
2-12.2	REMOVE EXISTING STORM MANHOLE	1	EA	\$2,000.00	\$2,000.00	\$3,180.00	\$3,180.00	\$3,580.00	\$3,580.00	\$3,580.00	\$3,580.00
2-13.1	REMOVE EXISTING STORM INLET	2	EA	\$2,500.00	\$5,000.00	\$3,095.00	\$6,190.00	\$2,480.00	\$4,960.00	\$2,480.00	\$4,960.00
2-16.1	REMOVE CHAIN LINK FENCE -Northside W. Saratoga Place at Bowles Ditch	25	LF	\$15.00	\$375.00	\$10.00	\$250.00	\$88.00	\$2,200.00	\$88.00	\$2,200.00
2-17.3	REMOVE AND REPLACE/RELOCATE SIGN	4	EA	\$1,000.00	\$4,000.00	\$415.00	\$1,660.00	\$517.00	\$2,068.00	\$517.00	\$2,068.00
02-22.13	VIBRATION ASSESSMENT -2 Monitors & Real-Time Data Required	1	LS	\$50,000.00	\$50,000.00	\$75,000.00	\$75,000.00	\$18,415.00	\$18,415.00	\$18,415.00	\$18,415.00
02-221301	VIBRATION MONITORING AND PUBLIC OUTREACH	1	LS	\$30,000.00	\$30,000.00	\$65,000.00	\$65,000.00	\$27,200.00	\$27,200.00	\$27,200.00	\$27,200.00
3-4	ROCK EXCAVATION	100	CY	\$30.00	\$3,000.00	\$119.00	\$11,900.00	\$27.00	\$2,700.00	\$27.00	\$2,700.00
3-7a	HEALTH & SAFETY PLAN	1	LS	\$3,000.00	\$3,000.00	\$30,000.00	\$30,000.00	\$3,877.00	\$3,877.00	\$3,877.00	\$3,877.00
3-7b	MATERIAL MANAGEMENT PLAN	1	LS	\$7,500.00	\$7,500.00	\$38,000.00	\$38,000.00	\$4,265.00	\$4,265.00	\$4,265.00	\$4,265.00
3-8	UNCLASSIFIED EXCAVATION -Cut	154	CY	\$20.00	\$3,080.00	\$26.00	\$4,004.00	\$135.00	\$20,790.00	\$135.00	\$20,790.00
3-8	UNCLASSIFIED EXCAVATION -Fill	333	CY	\$20.00	\$6,660.00	\$32.00	\$10,656.00	\$66.00	\$21,978.00	\$66.00	\$21,978.00
3-8	UNCLASSIFIED EXCAVATION -Imported Fill	179	CY	\$40.00	\$7,160.00	\$41.00	\$7,339.00	\$90.00	\$16,110.00	\$90.00	\$16,110.00
5-2a	SUBGRADE MATERIAL (SELECT BACKFILL) -Trench backfill	3,024	TON	\$30.00	\$90,720.00	\$16.00	\$48,384.00	\$52.50	\$158,760.00	\$52.50	\$158,760.00
5-2b	TOPSOIL -Adjacent to flatwork	50	TON	\$50.00	\$2,500.00	\$50.00	\$2,500.00	\$81.00	\$4,050.00	\$81.00	\$4,050.00
5-7	CONTROLLED LOW STRENGTH MATERIALS (CLSM)	294	CY	\$200.00	\$58,800.00	\$190.00	\$55,860.00	\$236.00	\$69,384.00	\$236.00	\$69,384.00
5-8	CRUSHED GRAVEL BASE COURSE (CDOT CLASS 6 ROAD BASE) - Under roadway	716	TON	\$30.00	\$21,480.00	\$30.00	\$21,480.00	\$31.00	\$22,196.00	\$31.00	\$22,196.00

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8-1.1a	4" DIP AWWA C151, CLASS 50 WATER LINE	29	LF	\$170.00	\$4,930.00	\$225.00	\$6,525.00	\$777.00	\$22,533.00		
8-1.1b	6" DIP AWWA C151, CLASS 50 WATER LINE	199	LF	\$170.00	\$33,830.00	\$280.00	\$55,720.00	\$259.00	\$51,541.00		
8-1.1c	8" DIP AWWA C151, CLASS 50 WATER LINE	49	LF	\$200.00	\$9,800.00	\$360.00	\$17,640.00	\$814.00	\$39,886.00		
8-1.2a	INSTALL 4" WATER VALVE -To be used if necessary at the discretion of the City PM	2	EA	\$2,000.00	\$4,000.00	\$3,250.00	\$6,500.00	\$4,000.00	\$8,000.00		
8-1.2b	INSTALL 6" WATER VALVE	1	EA	\$2,200.00	\$2,200.00	\$3,750.00	\$3,750.00	\$4,329.00	\$4,329.00		
8-1.2c	INSTALL 8" WATER VALVE -To be used if necessary at the discretion of the City PM	1	EA	\$2,500.00	\$2,500.00	\$4,520.00	\$4,520.00	\$10,595.00	\$10,595.00		
8-3	RESET OR INSTALL FIRE HYDRANT ASSEMBLY -To be used if necessary at the discretion of the City PM	1	EA	\$2,000.00	\$2,000.00	\$8,825.00	\$8,825.00	\$19,355.00	\$19,355.00		
12-1.1	6" CURB AND GUTTER 2' PAN (CDOT T2, IIB) -Includes road base course	153	LF	\$45.00	\$6,885.00	\$41.00	\$6,273.00	\$95.00	\$14,535.00		
12-1.6a	COMBINATION CURB, GUTTER AND SIDEWALK (4'-11")	427	LF	\$110.00	\$46,970.00	\$52.00	\$22,204.00	\$87.00	\$37,149.00		
12-1.8	SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP -Includes cast iron domes for two trail curb ramps per plans	2,652	SF	\$22.00	\$58,344.00	\$32.00	\$84,864.00	\$25.25	\$66,963.00		
12-2.1	CONCRETE SIDEWALK	984	SF	\$20.00	\$19,680.00	\$15.00	\$14,760.00	\$19.00	\$18,696.00		
12-4.1	CONCRETE STREET INTERSECTION GUTTER (CROSSPAN)	833	SF	\$25.00	\$20,825.00	\$16.00	\$13,328.00	\$23.00	\$19,159.00		
12-5.1	CONCRETE DRIVEWAY PAVING -Curb cut	179	SF	\$25.00	\$4,475.00	\$22.00	\$3,938.00	\$22.00	\$3,938.00		
12-5.1	CONCRETE DRIVEWAY PAVING -Private driveway	215	SF	\$20.00	\$4,300.00	\$22.00	\$4,730.00	\$21.00	\$4,515.00		
12-14	CONCRETE CUT-OFF WALL	11	CY	\$1,000.00	\$11,000.00	\$2,100.00	\$23,100.00	\$1,528.00	\$16,808.00		
16-3	CHAIN LINK FENCE	1,000	LF	\$20.00	\$20,000.00	\$18.00	\$18,000.00	\$18.00	\$18,000.00		
16-4	WOOD FENCE -Includes removal and replacement of existing split-rail fence if necessary	50	LF	\$30.00	\$1,500.00	\$41.00	\$2,050.00	\$64.00	\$3,200.00		
16-4	WOOD FENCE -Includes removal and replacement of existing 6' high wooden fence adjacent to new concrete flatwork if necessary	100	LF	\$40.00	\$4,000.00	\$41.00	\$4,100.00	\$71.00	\$7,100.00		
16-8	HAND RAIL -Bowles Ditch - at top of headwall and wingwalls	32	LF	\$230.00	\$7,360.00	\$260.00	\$8,320.00	\$201.00	\$6,432.00		
20-1	ASPHALTIC TEMPORARY PATCHING	650	SY-IN	\$10.00	\$6,500.00	\$13.51	\$8,781.50	\$14.00	\$9,100.00		
20-2bd	ASPHALT SURFACE COURSE, SX, RAP 20%, N=75, 58-28. -2-inches thick	9,535	SY-IN	\$10.00	\$95,350.00	\$11.20	\$106,792.00	\$11.20	\$106,792.00		
20-3bd	ASPHALT BASE COURSE, S, RAP 20%, N=75, 58-28.	9,880	SY-IN	\$10.00	\$98,800.00	\$10.95	\$108,186.00	\$10.75	\$106,210.00		
20-4	ASPHALT ROTOMILL	4,589	SY-IN	\$10.00	\$45,890.00	\$4.00	\$18,356.00	\$4.25	\$19,503.25		
30-1c	RIPRAP TYPE M -Bowles Ditch - soil riprap 21-inch layer	34	SY	\$125.00	\$4,250.00	\$240.00	\$8,160.00	\$203.00	\$6,902.00		
33-05.26.01	EXISTING UTILITY LOCATION/COORDINATION/RELOCATION AND/OR ADJUSTMENT	1	LS	\$20,000.00	\$20,000.00	\$36,000.00	\$36,000.00	\$8,884.00	\$8,884.00		
34-2.3d	15" DIAMETER C-76 RCP, CLASS III	81	LF	\$220.00	\$17,820.00	\$225.00	\$18,225.00	\$427.00	\$34,587.00		
34-2.3m	42" DIAMETER C-76 RCP, CLASS III	239	LF	\$425.00	\$101,575.00	\$690.00	\$164,910.00	\$669.00	\$159,891.00		
34-2.3n	48" DIAMETER C-76 RCP, CLASS III	504	LF	\$450.00	\$226,800.00	\$750.00	\$378,000.00	\$575.00	\$289,800.00		
34-2.4p	60" DIAMETER C-76 RCP, CLASS IV -Bowles Ditch	187	LF	\$500.00	\$93,500.00	\$1,000.00	\$187,000.00	\$1,065.00	\$199,155.00		

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34-5.4h	34" X 53" C-507 RCP, CLASS HE-III	8	LF	\$500.00	\$4,000.00	\$706.00	\$5,648.00	\$860.00	\$6,880.00
34-5.4i	38" X 60" C-507 RCP, CLASS HE-III	316	LF	\$500.00	\$158,000.00	\$824.00	\$260,384.00	\$933.00	\$294,828.00
34-7.1a	8" DIAMETER PVC PIPE -Sanitary sewer pipe	118	LF	\$220.00	\$25,960.00	\$256.00	\$30,208.00	\$418.00	\$49,324.00
34-7.1c	12" DIAMETER PVC PIPE -Bowles Ditch	44	LF	\$100.00	\$4,400.00	\$285.00	\$12,540.00	\$286.50	\$12,606.00
34-7.1e	18" DIAMETER PVC PIPE -Bowles Ditch	51	LF	\$125.00	\$6,375.00	\$460.00	\$23,460.00	\$317.00	\$16,167.00
34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE	2	EA	\$8,000.00	\$16,000.00	\$6,750.00	\$13,500.00	\$28,850.00	\$57,700.00
34-12.3c	6' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE	3	EA	\$10,000.00	\$30,000.00	\$7,430.00	\$22,290.00	\$28,915.00	\$86,745.00
34-12.4a	CAST-IN-PLACE TYPE B MANHOLE WITH TYPE A TOP SLAB -X>2'	1	EA	\$32,000.00	\$32,000.00	\$34,000.00	\$34,000.00	\$52,700.00	\$52,700.00
34-12.5a	CAST-IN-PLACE TYPE P MANHOLE WITH TOP SLAB FOR H<2' DEPTH	2	EA	\$33,000.00	\$66,000.00	\$39,000.00	\$78,000.00	\$51,905.00	\$103,810.00
34-12.5b	CAST-IN-PLACE TYPE P MANHOLE WITH TOP SLAB FOR H>2' DEPTH	2	EA	\$35,000.00	\$70,000.00	\$29,540.00	\$59,080.00	\$48,910.00	\$97,820.00
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE -Bowles Ditch - headwall, wingwalls including footings and toe wall	1	EA	\$40,000.00	\$40,000.00	\$56,250.00	\$56,250.00	\$63,110.00	\$63,110.00
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE -Bowles Ditch - concrete collar for connecting a new 60" RCP to existing 72" RCP culvert and two 60" RCP's at joint	2	EA	\$10,000.00	\$20,000.00	\$16,300.00	\$32,600.00	\$16,120.00	\$32,240.00
34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE -CDOT headwall including a trash rack for a 18" pipe opening	1	EA	\$5,000.00	\$5,000.00	\$18,400.00	\$18,400.00	\$26,460.00	\$26,460.00
34-15.1a	SANITARY SEWER TAP LOCATION AND VERIFICATION	30	EA	\$500.00	\$15,000.00	\$375.00	\$11,250.00	\$710.00	\$21,300.00
34-15.2	RECONNECT SANITARY SEWER SERVICES (TAPS) (OPEN CUT)	9	EA	\$3,000.00	\$27,000.00	\$2,814.00	\$25,326.00	\$2,460.00	\$22,140.00
34-15.3	UTILITY EXPLORATORY INVESTIGATION -To be used only with approval and coordination of the City and County of Denver construction project manager	60	EA	\$600.00	\$36,000.00	\$500.00	\$30,000.00	\$769.00	\$46,140.00
34-16.1a	#14 INLET (L=6')	4	EA	\$10,000.00	\$40,000.00	\$8,460.00	\$33,840.00	\$14,515.00	\$58,060.00
34-16.8	ADJUST EXISTING INLET STRUCTURE -Bowles Ditch - remove and reset existing Bowles overflow structure	1	EA	\$10,000.00	\$10,000.00	\$7,100.00	\$7,100.00	\$5,515.00	\$5,515.00
40-3	SODDING - Behind sidewalks or curb ramps includes removal of existing sod	2,000	SF	\$2.00	\$4,000.00	\$3.00	\$6,000.00	\$3.75	\$7,500.00
40-4a	INSTALL SPRINKLER LINE -Adjacent to new concrete flatwork includes removal and replacement of existing irrigation system with heads.	200	LF	\$15.00	\$3,000.00	\$25.00	\$5,000.00	\$27.00	\$5,400.00
40-6	DECORATIVE LANDSCAPING -Landscape restoration in ROW adjacent to new concrete flatwork not covered by pay items 40-3 including, but not limited to, gravel rocks, bricks, plants, shrubs, native grass,	1	LS	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$16,040.00	\$16,040.00
41-1	TRAFFIC CONTROL	1	LS	\$87,510.24	\$87,510.24	\$240,000.00	\$240,000.00	\$97,880.00	\$97,880.00

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41-2	REROUTING AND CONSTRUCTION OF BIKE PATH -Includes removal and replacement of the existing concrete (570 sf) pedestrian/bike trail, removal of the existing asphalt (230 sf) of pedestrian/bike trail, pl	1	LS	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00	\$6,080.00	\$6,080.00		
43-1c	STORM WATER MANAGEMENT (SCENARIO 3) See SCS 23.0	1	LS	\$40,000.00	\$40,000.00	\$72,000.00	\$72,000.00	\$35,600.00	\$35,600.00		
44-1	DEWATERING	1	LS	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$327,280.00	\$327,280.00		
45-2	QUALITY CONTROL TESTING	1	LS	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$39,785.00	\$39,785.00		
47-1	CONSTRUCTION SURVEYING	1	LS	\$40,000.00	\$40,000.00	\$80,000.00	\$80,000.00	\$27,650.00	\$27,650.00		
47-2	SURVEY MONUMENTATION	2	EA	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$646.00	\$1,292.00		
50-1	MOBILIZATION	1	LS	\$131,265.36	\$131,265.36	\$340,000.00	\$340,000.00	\$100,540.00	\$100,540.00		
Schedule B - Supplemental Technical Specifications Improvements											
32-13-33	PERVIOUS CONCRETE PAVING -Grasscrete	180	SY	\$100.00	\$18,000.00	\$189.00	\$34,020.00	\$296.00	\$53,280.00		
33-44.00	Nyloplast Drain -12-inch drop in grate with concrete, per Spec Section 33 44 00	2	EA	\$1,000.00	\$2,000.00	\$2,325.00	\$4,650.00	\$6,055.00	\$12,110.00		
32-12.16	Asphalt Trail -.	2	SY	\$20.00	\$40.00	\$450.00	\$900.00	\$468.00	\$936.00		
31-11- 00-01A	Clearing and Grubbing -Bowles Ditch crossing area	1	LS	\$8,000.00	\$8,000.00	\$13,000.00	\$13,000.00	\$14,340.00	\$14,340.00		
32-91-13.01	SOIL PREPARATION -Bowles Ditch Crossing Area	20,227	SF	\$1.00	\$20,227.00	\$0.75	\$15,170.25	\$0.70	\$14,158.90		
01-56-39.01	TREE RETENTION AND PROTECTION (6' CHAIN LINK) -Need LF and price	100	LF	\$5.00	\$500.00	\$14.00	\$1,400.00	\$11.50	\$1,150.00		
01-57-13.00	EROSION AND SEDIMENT CONTROL -1062 SY of blanket	1	LS	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$3,390.00	\$3,390.00		
32-13-13.02	CONCRETE BIKE PATH - 6" THICK	416	SF	\$20.00	\$8,320.00	\$18.40	\$7,654.40	\$19.00	\$7,904.00		
32-92-20.01	NATIVE SEEDING - UPLAND SEEDING -Includes Warranty and Maintenance per Parks Specification Section 32 92 20	20,277	SF	\$2.00	\$40,554.00	\$0.60	\$12,166.20	\$2.55	\$51,706.35		
32-91.20.00	PARKS SPEC TOPSOIL -Onsite, stockpiled	3,384	SF	\$5.00	\$16,920.00	\$1.50	\$5,076.00	\$4.00	\$13,536.00		
33-46.00.00	PARKS SPEC SUBDRAINAGE SYSTEMS -French Drain, 8-inch perforated HDPE	242	LF	\$200.00	\$48,400.00	\$68.00	\$16,456.00	\$162.00	\$39,204.00		
Engineers Estimate of Base Bid Total:					\$2,606,492.60						
BID ITEMS TOTAL AMOUNT							\$3,598,152.95	\$3,788,697.75			
TEXTURA FEE							\$9,100.00	\$9,100.00			
							\$3,607,252.95	\$3,797,797.75			