

Marion Street System, Phase 1 (201952435)

Marion Street System, Phase 1 (201952435)				City Engineer's Estimate				Concrete Works of Colorado				BT Construction			
Estimate	BidItem	Description	AdditionalInformation	Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost
Base IPM (Sch. A)	01-21.16.01	ALLOWANCE FOR TREE REMOVAL, TRIMMING/REPLACEMENT AND DISPOSAL - SEE PROJECT SPECIAL PROVISIONS		100,000	AA	\$1.00	\$100,000.00	100,000	AA	\$1.00	\$100,000.00	100,000	AA	\$1.00	\$100,000.00
Base IPM (Sch. A)	01-21.16.03	ALLOWANCE FOR UNIFORMED TRAFFIC CONTROL (DPD)	See project special provisions	40,000	AA	\$1.00	\$40,000.00	40,000	AA	\$1.00	\$40,000.00	40,000	AA	\$1.00	\$40,000.00
Base IPM (Sch. A)	01-21.16.04	ALLOWANCE FOR JOBSITE SECURITY (DPD)	See project special provisions	10,000	AA	\$1.00	\$10,000.00	10,000	AA	\$1.00	\$10,000.00	10,000	AA	\$1.00	\$10,000.00
Base IPM (Sch. A)	01-52.13	TEMPORARY OFFICE FACILITIES		1	LS	\$48,000.00	\$48,000.00	1	LS	\$47,430.00	\$47,430.00	1	LS	\$42,000.00	\$42,000.00
Base IPM (Sch. A)	2-1.2b	REMOVE 9" CONCRETE CURB AND/OR GUTTER		663	LF	\$7.00	\$4,641.00	663	LF	\$7.00	\$4,641.00	663	LF	\$6.00	\$3,978.00
Base IPM (Sch. A)	2-1.3	REMOVE CONCRETE CURB HEAD	Or flagstone curb heads including adjacent concrete gutter (if applicable)	3,743	LF	\$6.00	\$22,458.00	3,743	LF	\$7.00	\$26,201.00	3,743	LF	\$4.00	\$14,972.00
Base IPM (Sch. A)	2-1.4	REMOVE SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP		2,160	SF	\$3.00	\$6,480.00	2,160	SF	\$5.00	\$10,800.00	2,160	SF	\$4.00	\$8,640.00
Base IPM (Sch. A)	2-2.1	REMOVE CONCRETE SIDEWALK		600	SF	\$3.00	\$1,800.00	600	SF	\$4.00	\$2,400.00	600	SF	\$4.00	\$2,400.00
Base IPM (Sch. A)	2-2.2	REMOVE CONCRETE DRIVEWAY PAVING		2,086	SF	\$4.00	\$8,344.00	2,086	SF	\$5.00	\$10,430.00	2,086	SF	\$4.00	\$8,344.00
Base IPM (Sch. A)	2-2.5	REMOVE MISCELLANEOUS CONCRETE FLATWORK	Curb island paving	700	SF	\$3.00	\$2,100.00	700	SF	\$4.00	\$2,800.00	700	SF	\$4.00	\$2,800.00
Base IPM (Sch. A)	2-3.1	REMOVE CONCRETE ALLEY GUTTER		141	SF	\$4.00	\$564.00	141	SF	\$5.00	\$705.00	141	SF	\$4.00	\$564.00
Base IPM (Sch. A)	2-3.5	REMOVE CONCRETE STREET PAVING	Bus pad at E. 31st Ave.	1,140	SF	\$4.00	\$4,560.00	1,140	SF	\$5.00	\$5,700.00	1,140	SF	\$5.00	\$5,700.00
Base IPM (Sch. A)	2-11.2b	REMOVE EXISTING 10" STORM SEWER PIPE		465	LF	\$35.00	\$16,275.00	465	LF	\$64.00	\$29,760.00	465	LF	\$27.00	\$12,555.00
Base IPM (Sch. A)	2-11.2c	REMOVE EXISTING 12" STORM SEWER PIPE		58	LF	\$37.00	\$2,146.00	58	LF	\$64.00	\$3,712.00	58	LF	\$27.00	\$1,566.00
Base IPM (Sch. A)	2-11.2e	REMOVE EXISTING 18" STORM SEWER PIPE		40	LF	\$40.00	\$1,600.00	40	LF	\$68.00	\$2,720.00	40	LF	\$28.00	\$1,120.00
Base IPM (Sch. A)	2-11.2f	REMOVE EXISTING 21" STORM SEWER PIPE		120	LF	\$42.00	\$5,040.00	120	LF	\$83.00	\$9,960.00	120	LF	\$28.00	\$3,360.00
Base IPM (Sch. A)	2-11.2g	REMOVE EXISTING 24" STORM SEWER PIPE		101	LF	\$45.00	\$4,545.00	101	LF	\$83.00	\$8,383.00	101	LF	\$29.00	\$2,929.00
Base IPM (Sch. A)	2-12.2	REMOVE EXISTING STORM MANHOLE		4	EA	\$1,300.00	\$5,200.00	4	EA	\$2,720.00	\$10,880.00	4	EA	\$2,000.00	\$8,000.00
Base IPM (Sch. A)	2-13.1	REMOVE EXISTING STORM INLET		13	EA	\$1,300.00	\$16,900.00	13	EA	\$2,620.00	\$34,060.00	13	EA	\$2,000.00	\$26,000.00
Base IPM (Sch. A)	2-17.3	REMOVE AND REPLACE/RELOCATE SIGN		55	EA	\$350.00	\$19,250.00	55	EA	\$391.00	\$21,505.00	55	EA	\$500.00	\$27,500.00
Base IPM (Sch. A)	02-221301	VIBRATION MONITORING AND PUBLIC OUTREACH - Marion Street System, Phase 1	Addendum #2	1	LS	\$175,000.00	\$175,000.00	1	LS	\$100,500.00	\$100,500.00	1	LS	\$92,000.00	\$92,000.00
Base IPM (Sch. A)	02-221301a	PRE-CONSTRUCTION FACILITY CONDITION ASSESSMENT - Marion Street System, Phase 1	Addendum #2	1	LS	\$200,000.00	\$200,000.00	1	LS	\$111,700.00	\$111,700.00	1	LS	\$96,000.00	\$96,000.00
Base IPM (Sch. A)	3-7a	HEALTH & SAFETY PLAN		1	LS	\$4,500.00	\$4,500.00	1	LS	\$2,470.00	\$2,470.00	1	LS	\$4,000.00	\$4,000.00
Base IPM (Sch. A)	3-7b	MATERIAL MANAGEMENT PLAN		1	LS	\$25,000.00	\$25,000.00	1	LS	\$11,530.00	\$11,530.00	1	LS	\$4,000.00	\$4,000.00
Base IPM (Sch. A)	5-2a	SUBGRADE MATERIAL (SELECT BACKFILL)		11,800	TON	\$17.00	\$200,600.00	11,800	TON	\$11.00	\$129,800.00	11,800	TON	\$1.00	\$11,800.00
Base IPM (Sch. A)	5-2b	TOPSOIL	Adjacent to flatwork	100	TON	\$44.00	\$4,400.00	100	TON	\$50.00	\$5,000.00	100	TON	\$170.00	\$17,000.00
Base IPM (Sch. A)	5-7	CONTROLLED LOW STRENGTH MATERIALS (CLSM)		600	CY	\$160.00	\$96,000.00	600	CY	\$192.00	\$115,200.00	600	CY	\$135.00	\$81,000.00

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Base IPM (Sch. A)	5-8	CRUSHED GRAVEL BASE COURSE (CDOT CLASS 6 ROAD BASE)	Under new asphalt concrete street paving	3,800	TON	\$30.00	\$114,000.00	3,800	TON	\$23.00	\$87,400.00	3,800	TON	\$29.00	\$110,200.00
Base IPM (Sch. A)	8-1.1b	6" DIP AWWA C151, CLASS 50 WATER LINE	Includes removal and replacement of existing water service lines with type k copper water service lines and its associated appurtenances up to existing meters as shown on Water Only plans. 64 lf of 16" steel casings under Streetside Stormwater Planters as shown on Water Only plans is also included. See Measurement and Payment.	2,700	LF	\$135.00	\$364,500.00	2,700	LF	\$107.00	\$288,900.00	2,700	LF	\$190.00	\$513,000.00
Base IPM (Sch. A)	8-1.1c	8" DIP AWWA C151, CLASS 50 WATER LINE		140	LF	\$375.00	\$52,500.00	140	LF	\$236.00	\$33,040.00	140	LF	\$191.00	\$26,740.00
Base IPM (Sch. A)	8-1.1e	12" DIP AWWA C151, CLASS 50 WATER LINE		12	LF	\$450.00	\$5,400.00	12	LF	\$267.00	\$3,204.00	12	LF	\$380.00	\$4,560.00
Base IPM (Sch. A)	8-1.2b	INSTALL 6" WATER VALVE		14	EA	\$2,000.00	\$28,000.00	14	EA	\$2,060.00	\$28,840.00	14	EA	\$2,100.00	\$29,400.00
Base IPM (Sch. A)	8-1.2c	INSTALL 8" WATER VALVE		3	EA	\$2,600.00	\$7,800.00	3	EA	\$3,810.00	\$11,430.00	3	EA	\$2,800.00	\$8,400.00
Base IPM (Sch. A)	8-1.2e	INSTALL 12" WATER VALVE		1	EA	\$3,500.00	\$3,500.00	1	EA	\$5,820.00	\$5,820.00	1	EA	\$4,200.00	\$4,200.00
Base IPM (Sch. A)	8-1.2k	INSTALL WATER METER	Locations: 3138 Marion St. & 3050 Marion St. Relocation of existing inside meter set includes replacement of entire existing water service line with type k copper and its associated appurtenances including outside 3/4" meter per Denver Water requirements.	2	EA	\$7,000.00	\$14,000.00	2	EA	\$12,540.00	\$25,080.00	2	EA	\$6,000.00	\$12,000.00
Base IPM (Sch. A)	8-1.2k	INSTALL WATER METER	Locations - 2959 Marion St. and 2856 Marion St. In connection with relocation of entire existing water service line (four locations) with type k copper water service line and its associated appurtenances including 3/4" meter per Denver Water requirements.	2	EA	\$6,000.00	\$12,000.00	2	EA	\$12,540.00	\$25,080.00	2	EA	\$8,300.00	\$16,600.00
Base IPM (Sch. A)	8-1.2k	INSTALL WATER METER	Remove entire existing water service line and its associated appurtenances including 5/8" meter, and replace with type k copper and its associated appurtenances including 3/4" meter as shown on Water Only plans and per Denver Water requirements. Address- 1301 E. 31st Ave.	1	EA	\$4,000.00	\$4,000.00	1	EA	\$12,540.00	\$12,540.00	1	EA	\$5,900.00	\$5,900.00
Base IPM (Sch. A)	8-1.4b	6" TEMPORARY WATER MAIN BYPASS		2,400	LF	\$40.00	\$96,000.00	2,400	LF	\$22.00	\$52,800.00	2,400	LF	\$23.00	\$55,200.00
Base IPM (Sch. A)	8-1.5a	LEAD SERVICE LINE REPLACEMENT, <2" ID		1,680	LF	\$80.00	\$134,400.00	1,680	LF	\$135.00	\$226,800.00	1,680	LF	\$130.00	\$218,400.00
Base IPM (Sch. A)	8-2	REMOVE FIRE HYDRANT ASSEMBLY	Locations - 1301 E. 31st Ave., 3002 Marion St., 2900 Marion St., 1301 E. 28th Ave., 2700 E. Marion St.	5	EA	\$1,000.00	\$5,000.00	5	EA	\$2,180.00	\$10,900.00	5	EA	\$1,600.00	\$8,000.00
Base IPM (Sch. A)	8-3	RESET OR INSTALL FIRE HYDRANT ASSEMBLY	Locations - 1301 E. 31st Ave., 3002 Marion St., 2900 Marion St., 1301 E. 28th Ave., 2700 E. Marion St.	5	EA	\$7,000.00	\$35,000.00	5	EA	\$7,190.00	\$35,950.00	5	EA	\$10,000.00	\$50,000.00
Base IPM (Sch. A)	12-1.1	6" CURB AND GUTTER 2' PAN (CDOT T2, IIB)	Includes stabilization material (crushed gravel base course - CDOT Class 6 road base) and backfill behind back of curb	3,436	LF	\$25.00	\$85,900.00	3,436	LF	\$31.00	\$106,516.00	3,436	LF	\$52.00	\$178,672.00
Base IPM (Sch. A)	12-1.4	9" CURB AND GUTTER	Includes backfill behind of back of curb	250	LF	\$29.00	\$7,250.00	250	LF	\$33.00	\$8,250.00	250	LF	\$67.00	\$16,750.00
Base IPM (Sch. A)	12-1.7	6" CONCRETE CURB HEAD	Transportation Standards and Details Drawing 5.3 - Includes backfill behind back of curb	175	LF	\$25.00	\$4,375.00	175	LF	\$31.00	\$5,425.00	175	LF	\$48.00	\$8,400.00
Base IPM (Sch. A)	12-1.8	SIDEWALK ACCESSIBILITY CONCRETE CURB RAMP		3,100	SF	\$21.00	\$65,100.00	3,100	SF	\$27.00	\$83,700.00	3,100	SF	\$18.00	\$55,800.00

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Base IPM (Sch. A)	12-1.9	GUTTER OVERLAY	Transportation Standard Details Drawing 5.4	935	LF	\$11.00	\$10,285.00	935	LF	\$24.00	\$22,440.00	935	LF	\$5.00	\$4,675.00
Base IPM (Sch. A)	12-2.1	CONCRETE SIDEWALK		650	SF	\$10.00	\$6,500.00	650	SF	\$13.00	\$8,450.00	650	SF	\$15.00	\$9,750.00
Base IPM (Sch. A)	12-2.4	MISCELLANEOUS CONCRETE FLATWORK	24" wide x 6" thick concrete gutter pan at existing flagstone curb head	1,540	SF	\$12.00	\$18,480.00	1,540	SF	\$20.00	\$30,800.00	1,540	SF	\$16.00	\$24,640.00
Base IPM (Sch. A)	12-5.1	CONCRETE DRIVEWAY PAVING		2,239	SF	\$14.00	\$31,346.00	2,239	SF	\$20.00	\$44,780.00	2,239	SF	\$16.00	\$35,824.00
Base IPM (Sch. A)	12-5.3	CONCRETE BUS PAD	At E. 31st Ave.	970	SF	\$19.00	\$18,430.00	970	SF	\$20.00	\$19,400.00	970	SF	\$26.00	\$25,220.00
Base IPM (Sch. A)	16-1	SECURITY FENCE		5,430	LF	\$10.00	\$54,300.00	5,430	LF	\$6.00	\$32,580.00	5,430	LF	\$2.00	\$10,860.00
Base IPM (Sch. A)	20-1	ASPHALTIC TEMPORARY PATCHING		2,500	SY-IN	\$6.00	\$15,000.00	2,500	SY-IN	\$8.00	\$20,000.00	2,500	SY-IN	\$9.00	\$22,500.00
Base IPM (Sch. A)	20-2bf	ASPHALT SURFACE COURSE, SX, RAP 20%, N=75, 76-28.		22,400	SY-IN	\$8.00	\$179,200.00	22,400	SY-IN	\$7.00	\$156,800.00	22,400	SY-IN	\$8.00	\$179,200.00
Base IPM (Sch. A)	20-3be	ASPHALT BASE COURSE, S, RAP 20%, N=75, 64-22.		29,400	SY-IN	\$8.50	\$249,900.00	29,400	SY-IN	\$6.00	\$176,400.00	29,400	SY-IN	\$7.25	\$213,150.00
Base IPM (Sch. A)	20-4	ASPHALT ROTOMILL		990	SY-IN	\$4.00	\$3,960.00	990	SY-IN	\$6.00	\$5,940.00	990	SY-IN	\$13.00	\$12,870.00
Base IPM (Sch. A)	22-1	EARTHWORK	Placement of clean fill prior to placing shredded wood mulch at curb bulbouts	300	SY	\$50.00	\$15,000.00	300	SY	\$20.00	\$6,000.00	300	SY	\$21.00	\$6,300.00
Base IPM (Sch. A)	34-2.3d	15" DIAMETER C-76 RCP, CLASS III		119	LF	\$120.00	\$14,280.00	119	LF	\$187.00	\$22,253.00	119	LF	\$170.00	\$20,230.00
Base IPM (Sch. A)	34-2.3e	18" DIAMETER C-76 RCP, CLASS III		193	LF	\$130.00	\$25,090.00	193	LF	\$190.00	\$36,670.00	193	LF	\$218.00	\$42,074.00
Base IPM (Sch. A)	34-2.3g	24" DIAMETER C-76 RCP, CLASS III		122	LF	\$180.00	\$21,960.00	122	LF	\$219.00	\$26,718.00	122	LF	\$304.00	\$37,088.00
Base IPM (Sch. A)	34-6.2	PRECAST RCBC (SPECIAL SIZE AND/OR DESIGN)	8' span x 8' rise <10 feet cover	1,340	LF	\$1,400.00	\$1,876,000.00	1,340	LF	\$1,780.00	\$2,385,200.00	1,340	LF	\$2,060.00	\$2,760,400.00
Base IPM (Sch. A)	34-6.2	PRECAST RCBC (SPECIAL SIZE AND/OR DESIGN)	8' span x 8' rise >10 feet cover	790	LF	\$1,540.00	\$1,216,600.00	790	LF	\$1,780.00	\$1,406,200.00	790	LF	\$2,140.00	\$1,690,600.00
Base IPM (Sch. A)	34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE		7	EA	\$7,000.00	\$49,000.00	7	EA	\$5,240.00	\$36,680.00	7	EA	\$6,700.00	\$46,900.00
Base IPM (Sch. A)	34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE	Precast manhole riser only	5	EA	\$3,300.00	\$16,500.00	5	EA	\$2,720.00	\$13,600.00	5	EA	\$6,500.00	\$32,500.00
Base IPM (Sch. A)	34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE	Transition structure no.1	1	EA	\$50,000.00	\$50,000.00	1	EA	\$138,200.00	\$138,200.00	1	EA	\$111,000.00	\$111,000.00
Base IPM (Sch. A)	34-12.7	CAST-IN-PLACE SPECIAL STRUCTURE	Transition structure no.2	1	EA	\$40,000.00	\$40,000.00	1	EA	\$126,900.00	\$126,900.00	1	EA	\$92,000.00	\$92,000.00
Base IPM (Sch. A)	34-15.3	UTILITY EXPLORATORY INVESTIGATION	To be used only with approval and coordination of the City and County of Denver construction project manager.	100	EA	\$700.00	\$70,000.00	100	EA	\$607.00	\$60,700.00	100	EA	\$370.00	\$37,000.00
Base IPM (Sch. A)	34-16.1b	#14 INLET (L=9')		9	EA	\$9,700.00	\$87,300.00	9	EA	\$8,370.00	\$75,330.00	9	EA	\$16,000.00	\$144,000.00
Base IPM (Sch. A)	34-16.2a	SINGLE #16 INLET WITH OPEN THROAT		10	EA	\$8,100.00	\$81,000.00	10	EA	\$6,770.00	\$67,700.00	10	EA	\$11,000.00	\$110,000.00
Base IPM (Sch. A)	33-05.26.01	EXISTING UTILITY LOCATION/COORDINATION/RELOCATION AND/OR ADJUSTMENT	Addendum #2	1	LS	\$20,000.00	\$20,000.00	1	LS	\$172,700.00	\$172,700.00	1	LS	\$68,000.00	\$68,000.00
Base IPM (Sch. A)	40-1	SEEDING AND MULCHING		17,100	SF	\$0.40	\$6,840.00	17,100	SF	\$2.00	\$34,200.00	17,100	SF	\$0.30	\$5,130.00
Base IPM (Sch. A)	40-3	SODDING	At curb bulb-outs and other areas includes removal of existing sod.	1,320	SF	\$2.50	\$3,300.00	1,320	SF	\$4.00	\$5,280.00	1,320	SF	\$3.00	\$3,960.00

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Base IPM (Sch. A)	40-3	SODDING	At East Whittier Island. See revised DPR Tech Specs for Marion Street System East Whittier Island for Sodding 32 92 23 includes removal of existing sod, and using a professional installer as called out in section 1.5 Quality Control	880	SF	\$2.50	\$2,200.00	880	SF	\$5.00	\$4,400.00	880	SF	\$3.00	\$2,640.00
Base IPM (Sch. A)	40-4a	INSTALL SPRINKLER LINE	Adjacent to new concrete flatwork includes removal and replacement of existing irrigation system with heads.	403	LF	\$15.00	\$6,045.00	403	LF	\$28.00	\$11,284.00	403	LF	\$150.00	\$60,450.00
Base IPM (Sch. A)	40-5	INSTALL OR RELOCATE SPRINKLER SYSTEM	At East Whittier Island. See revised DPR Tech Specs for Marion Street System East Whittier Island 32 80 00 Irrigation Systems. Includes 160 LF of 1" Class 200 PVC solvent weld lateral pipe, 12 total of 6" pop sprinkler body with pressure regulation and check valve with high efficiency rotary spray nozzle, and 6 LF of 3" Class 200 PVC lateral sleeve pipe. Also includes removal of existing sprinkler system with lateral pipes and heads.	1	LS	\$5,000.00	\$5,000.00	1	LS	\$4,170.00	\$4,170.00	1	LS	\$2,600.00	\$2,600.00
Base IPM (Sch. A)	40-6	DECORATIVE LANDSCAPING	Shredded wood mulch, as specified on the Contract Drawings, at curb bulbouts	1	LS	\$2,500.00	\$2,500.00	1	LS	\$3,370.00	\$3,370.00	1	LS	\$11,000.00	\$11,000.00
Base IPM (Sch. A)	40-6	DECORATIVE LANDSCAPING	Landscape restoration in ROW adjacent to new concrete flatwork not covered by pay items 40-1, 40-3, or 40-6 (another pay item) including but not limited to service walks, decorative concrete, pavers, granite/flagstone slabs, rock, mulch, plants, retaining structures, etc.	1	LS	\$30,000.00	\$30,000.00	1	LS	\$73,290.00	\$73,290.00	1	LS	\$247,000.00	\$247,000.00
Base IPM (Sch. A)	40-7	REMOVE TREES (>6" DIAMETER)	At East Whittier Island	4	EA	\$1,000.00	\$4,000.00	4	EA	\$726.00	\$2,904.00	4	EA	\$1,500.00	\$6,000.00
Base IPM (Sch. A)	40-13	SHADE TREES (> 2" CALIPER)	At East Whittier Island. See revised DPR Tech Specs for Marion Street System East Whittier Island specification 32 93 00 Trees, Plants and Groundcovers 2" Cal. Kentucky Coffee tree	2	EA	\$500.00	\$1,000.00	2	EA	\$843.00	\$1,686.00	2	EA	\$1,200.00	\$2,400.00
Base IPM (Sch. A)	40-13	SHADE TREES (> 2" CALIPER)	At Whittier Island. See revised DPR Tech Specs for Marion Street System East Whittier Island Specification 32 93 00 Trees, Plants and Groundcovers 2" Cal. Heartland Catalpa tree	2	EA	\$500.00	\$1,000.00	2	EA	\$824.00	\$1,648.00	2	EA	\$1,000.00	\$2,000.00
Base IPM (Sch. A)	40-15	LANDSCAPING IMPROVEMENTS	At East Whittier Island. See revised Tech Specs for Marion Street System East Whittier Island Specification 32 91 13 Soil Preparation	1	LS	\$1,000.00	\$1,000.00	1	LS	\$9,960.00	\$9,960.00	1	LS	\$1,300.00	\$1,300.00
Base IPM (Sch. A)	41-1	TRAFFIC CONTROL		1	LS	---	\$130,548.88	1	LS	\$201,000.00	\$201,000.00	1	LS	\$80,000.00	\$80,000.00
Base IPM (Sch. A)	43-1d	STORM WATER MANAGEMENT (SCENARIO 4) See SCS 23.0		1	LS	\$60,000.00	\$60,000.00	1	LS	\$48,780.00	\$48,780.00	1	LS	\$85,000.00	\$85,000.00
Base IPM (Sch. A)	45-2	QUALITY CONTROL TESTING		1	LS	\$50,000.00	\$50,000.00	1	LS	\$167,500.00	\$167,500.00	1	LS	\$190,000.00	\$190,000.00
Base IPM (Sch. A)	46-2	EPOXY PAVEMENT MARKING	Revised bid quantity - addendum #2	1,030	SF	\$10.00	\$10,300.00	1,030	SF	\$7.00	\$7,210.00	1,030	SF	\$18.00	\$18,540.00
Base IPM (Sch. A)	47-1	CONSTRUCTION SURVEYING		1	LS	\$58,000.00	\$58,000.00	1	LS	\$72,600.00	\$72,600.00	1	LS	\$78,000.00	\$78,000.00
Base IPM (Sch. A)	47-2	SURVEY MONUMENTATION		40	EA	\$1,300.00	\$52,000.00	40	EA	\$838.00	\$33,520.00	40	EA	\$400.00	\$16,000.00
Base IPM (Sch. A)	50-1	MOBILIZATION		1	LS	---	\$261,097.76	1	LS	\$806,100.00	\$806,100.00	1	LS	\$509,000.00	\$509,000.00

Marion Street System, Phase 1 (201952435)

Estimate	BidItem	Description	AdditionalInformation	City Engineer's Estimate				Concrete Works of Colorado				BT Construction			
				Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost
Base IPM (Sch. B)	Q01-56.39.01	EXISTING TREE RETENTION AND PROTECTION	Existing trees as identified on the plans, located in the ROW must be protected and includes fencing, includes Contractor's Consulting Arborist	5	EA	\$2,000.00	\$10,000.00	5	EA	\$1,680.00	\$8,400.00	5	EA	\$1,500.00	\$7,500.00
Base IPM (Sch. B)	Q01-56.39.01	EXISTING TREE RETENTION AND PROTECTION	East Whittier Island Tree - See Marion Street System - East Whittier Island Revised Specification 01-56.39, includes Contractor's Consulting Arborist	1	EA	\$2,000.00	\$2,000.00	1	EA	\$1,680.00	\$1,680.00	1	EA	\$1,500.00	\$1,500.00
Base IPM (Sch. B)	Q32-31.00.01	EXISTING LANDSCAPE PROTECTION FENCING	Existing private landscaping in ROW needs to be protected from construction activities. See Sheet LA-05 for locations.	300	LF	\$10.00	\$3,000.00	300	LF	\$11.00	\$3,300.00	300	LF	\$37.00	\$11,100.00
Base IPM (Sch. B)	Q32-80.00.01	INSTALL TYPE K ¾" WATER SERVICE LINE, STOP BOX AND METER		2	EA	\$6,000.00	\$12,000.00	2	EA	\$2,230.00	\$4,460.00	2	EA	\$6,000.00	\$12,000.00
Base IPM (Sch. B)	Q32-80.00.02	1" BACKFLOW PREVENTION DEVICE		2	EA	\$3,000.00	\$6,000.00	2	EA	\$5,560.00	\$11,120.00	2	EA	\$800.00	\$1,600.00
Base IPM (Sch. B)	Q32-80.00.03	1" REMOTE CONTROL MASTER VALVE WITH DC LATCHING SOLENOID		2	EA	\$275.00	\$550.00	2	EA	\$1,430.00	\$2,860.00	2	EA	\$1,400.00	\$2,800.00
Base IPM (Sch. B)	Q32-80.00.04	1" QUICK COUPLING VALVE		3	EA	\$400.00	\$1,200.00	3	EA	\$733.00	\$2,199.00	3	EA	\$600.00	\$1,800.00
Base IPM (Sch. B)	Q32-80.00.05	1" PRESSURE REGULATING REMOTE CONTROL VALVE WITH DC LATCHING SOLENOID		7	EA	\$275.00	\$1,925.00	7	EA	\$791.00	\$5,537.00	7	EA	\$800.00	\$5,600.00
Base IPM (Sch. B)	Q32-80.00.06	12" HIGH POP SPRINKLER BODY WITH PRESSURE REGULATION AND CHECK VALVE WITH HIGH EFFICIENCY ROT SPRAY NOZZLE		61	EA	\$52.50	\$3,202.50	61	EA	\$74.00	\$4,514.00	61	EA	\$87.00	\$5,307.00
Base IPM (Sch. B)	Q32-80.00.07	1" SCH 40 PVC SOLVENT WELD MAINLINE PIPE		200	LF	\$2.50	\$500.00	200	LF	\$9.00	\$1,800.00	200	LF	\$6.00	\$1,200.00
Base IPM (Sch. B)	Q32-80.00.08	1" CLASS 200 PVC SOLVENT WELD LATERAL PIPE		770	LF	\$1.75	\$1,347.50	770	LF	\$4.00	\$3,080.00	770	LF	\$6.00	\$4,620.00
Base IPM (Sch. B)	Q32-80.00.09	3" CLASS 200 PVC SLEEVE PIPE		180	LF	\$5.75	\$1,035.00	180	LF	\$11.00	\$1,980.00	180	LF	\$9.00	\$1,620.00
Base IPM (Sch. B)	Q32-80.00.10	4" CLASS 200 PVC SLEEVE PIPE WITH SEPARATE 3" CL200 PVC WIRE SLEEVE		50	LF	\$24.00	\$1,200.00	50	LF	\$37.00	\$1,850.00	50	LF	\$11.00	\$550.00
Base IPM (Sch. B)	Q32-84.33.00	AUTOMATIC IRRIGATION CONTROLLER (6 STATION BATTERY OPERATED)	Includes concrete pad and control wires	2	EA	\$2,700.00	\$5,400.00	2	EA	\$4,610.00	\$9,220.00	2	EA	\$4,000.00	\$8,000.00
Base IPM (Sch. B)	Q32-93.00.01	HEARTLAND CATALPA 2" CALIPER		1	EA	\$500.00	\$500.00	1	EA	\$824.00	\$824.00	1	EA	\$900.00	\$900.00
Base IPM (Sch. B)	Q32-93.00.02	HOT WINGS TARTARIAN MAPLE 2" CALIPER		2	EA	\$500.00	\$1,000.00	2	EA	\$773.00	\$1,546.00	2	EA	\$900.00	\$1,800.00
Base IPM (Sch. B)	Q32-93.00.03	KENTUCKY COFFEETREE 2" CALIPER		2	EA	\$500.00	\$1,000.00	2	EA	\$843.00	\$1,686.00	2	EA	\$1,100.00	\$2,200.00
Base IPM (Sch. B)	Q32-93.00.04	JAPANESE PAGODA TREE 2" CALIPER		1	EA	\$500.00	\$500.00	1	EA	\$983.00	\$983.00	1	EA	\$1,000.00	\$1,000.00
Base IPM (Sch. B)	Q32-93.00.05	AUTUMN AMBER SUMAC #5		4	EA	\$45.00	\$180.00	4	EA	\$84.00	\$336.00	4	EA	\$74.00	\$296.00
Base IPM (Sch. B)	Q32-93.00.06	CHIEFTAN MANZANITA #3		26	EA	\$30.00	\$780.00	26	EA	\$80.00	\$2,080.00	26	EA	\$80.00	\$2,080.00
Base IPM (Sch. B)	Q32-93.00.07	PAWNEE BUTTES SANDCHERRY #5		6	EA	\$45.00	\$270.00	6	EA	\$68.00	\$408.00	6	EA	\$100.00	\$600.00
Base IPM (Sch. B)	Q32-93.00.08	BLONDE AMBITION GRASS #5		34	EA	\$55.00	\$1,870.00	34	EA	\$70.00	\$2,380.00	34	EA	\$100.00	\$3,400.00
Base IPM (Sch. B)	Q32-93.00.09	STANDING OVATION LITTLE BLUESTEM #5		114	EA	\$55.00	\$6,270.00	114	EA	\$65.00	\$7,410.00	114	EA	\$80.00	\$9,120.00
Base IPM (Sch. B)	Q32-93.00.10	AUTUMN SAPPHIRE SAGE 1 QT		24	EA	\$17.00	\$408.00	24	EA	\$34.00	\$816.00	24	EA	\$11.00	\$264.00
Base IPM (Sch. B)	Q32-93.00.11	FIRE SPINNER ICE PLANT 1 QT		32	EA	\$17.00	\$544.00	32	EA	\$34.00	\$1,088.00	32	EA	\$11.00	\$352.00
Base IPM (Sch. B)	Q32-93.00.12	MEXICAN HAT 1 QT		84	EA	\$17.00	\$1,428.00	84	EA	\$22.00	\$1,848.00	84	EA	\$11.00	\$924.00
Base IPM (Sch. B)	Q32-93.00.13	MOJAVE SAGE 1 QT		44	EA	\$17.00	\$748.00	44	EA	\$34.00	\$1,496.00	44	EA	\$11.00	\$484.00
Base IPM (Sch. B)	Q32-93.00.14	PARTRIDGE FEATHER 2.5" POT		106	EA	\$17.00	\$1,802.00	106	EA	\$17.00	\$1,802.00	106	EA	\$11.00	\$1,166.00
Base IPM (Sch. B)	Q32-93.00.15	SONORAN SUNSET HYSSOP 1 QT		78	EA	\$17.00	\$1,326.00	78	EA	\$28.00	\$2,184.00	78	EA	\$11.00	\$858.00
Base IPM (Sch. B)	Q32-93.00.16	TANAGER GAZANIA 2.5" POT		104	EA	\$8.00	\$832.00	104	EA	\$17.00	\$1,768.00	104	EA	\$5.00	\$520.00
Base IPM (Sch. B)	Q32-93.00.17	WINE CUPS 1 QT		12	EA	\$17.00	\$204.00	12	EA	\$34.00	\$408.00	12	EA	\$5.00	\$60.00
Base IPM (Sch. B)	Q33-47.00.01	PLANTER CONCRETE SEDIMENT PAD WITH CAST IRON BULLNOSE		8	EA	\$250.00	\$2,000.00	8	EA	\$1,340.00	\$10,720.00	8	EA	\$500.00	\$4,000.00
Base IPM (Sch. B)	Q33-47.00.02	PLANTER WALL		500	SF	\$35.00	\$17,500.00	500	SF	\$73.00	\$36,500.00	500	SF	\$18.00	\$9,000.00
Base IPM (Sch. B)	Q33-47.00.04	TYPE A PLANTER CURB INLET (WINGWALLS)		2	EA	\$2,500.00	\$5,000.00	2	EA	\$2,790.00	\$5,580.00	2	EA	\$700.00	\$1,400.00
Base IPM (Sch. B)	Q33-47.00.05	TYPE B PLANTER CURB INLET (METAL ASSEMBLY)		2	EA	\$3,500.00	\$7,000.00	2	EA	\$2,460.00	\$4,920.00	2	EA	\$1,000.00	\$2,000.00
Base IPM (Sch. B)	Q33-47.00.06	TYPE C PLANTER CURB INLET (STEP OUT)		4	EA	\$3,500.00	\$14,000.00	4	EA	\$2,790.00	\$11,160.00	4	EA	\$1,300.00	\$5,200.00
Base IPM (Sch. B)	Q33-47.00.07	PLANTER CONCRETE EDGING	At north planter - 30th Ave. and Marion intersection	28	LF	\$50.00	\$1,400.00	28	LF	\$28.00	\$784.00	28	LF	\$20.00	\$560.00
Base IPM (Sch. B)	Q33-47.00.08	PLANTER CONCRETE STEP OUT ZONE		250	SF	\$10.00	\$2,500.00	250	SF	\$17.00	\$4,250.00	250	SF	\$15.00	\$3,750.00
Base IPM (Sch. B)	Q33-47.00.09	BIORETENTION MEDIA		163	CY	\$200.00	\$32,600.00	163	CY	\$61.00	\$9,943.00	163	CY	\$200.00	\$32,600.00

Marion Street System, Phase 1 (201952435)

Marion Street System, Phase 1 (201952435)				City Engineer's Estimate				Concrete Works of Colorado				BT Construction			
Estimate	BidItem	Description	AdditionalInformation	Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost	Qty	Units	UnitCost	TotalCost
Base IPM (Sch. B)	Q33-47.00.10	FILTER MATERIAL		8	CY	\$150.00	\$1,200.00	8	CY	\$112.00	\$896.00	8	CY	\$150.00	\$1,200.00
Base IPM (Sch. B)	Q33-47.00.11	NO. 57 STONE		40	CY	\$150.00	\$6,000.00	40	CY	\$56.00	\$2,240.00	40	CY	\$150.00	\$6,000.00
Base IPM (Sch. B)	Q33-47.00.12	OVERFLOW RISER WITH BEEHIVE GRATE ASSEMBLY		8	EA	\$2,000.00	\$16,000.00	8	EA	\$2,010.00	\$16,080.00	8	EA	\$2,100.00	\$16,800.00
Base IPM (Sch. B)	Q33-47.00.13	CURTAIN LINER	At north planter - 30th Ave. and Marion intersection	182	SF	\$100.00	\$18,200.00	182	SF	\$17.00	\$3,094.00	182	SF	\$5.00	\$910.00
Base IPM (Sch. B)	Q33-47.00.14	10" SOLID WALL PVC PIPE		70	LF	\$100.00	\$7,000.00	70	LF	\$45.00	\$3,150.00	70	LF	\$57.00	\$3,990.00
Base IPM (Sch. B)	Q33-47.00.15	4" SLOTTED PVC UNDERDRAIN SYSTEM WITH CLEAN OUT AND GATE VALVE ASSEMBLY		8	EA	\$1,000.00	\$8,000.00	8	EA	\$1,680.00	\$13,440.00	8	EA	\$2,400.00	\$19,200.00
			Subtotal				\$7,126,512.64				\$8,705,125.00				\$9,206,082.00
			Textura Fee				\$12,200.00				\$12,200.00				\$12,200.00
			TOTAL				\$7,138,712.64				\$8,717,325.00				\$9,218,282.00