



# CITY AND COUNTY OF DENVER

Department of Public Works - Wastewater Management Division

## CONTRACT BID TABULATIONS

PA77403\_310

1 & MAGNOLIA STORM PH2/51TH & ST. PAUL SANIT/



ITEM #	BID ITEM DESCRIPTION	UNITS	QUAN.	Engineers Estimate of Cost		Tierdael Construction Company		BT Construction Inc.		T Lowell Construction Inc.		Arapahoe Utilities - Infrastructure, Inc.									
				UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST
2-1.2a	REMOVE 6" CONCRETE CURB AND/OR GUTTER	LF	1404	\$3.75	\$5,265.00	\$4.50	\$6,318.00	\$3.00	\$4,212.00	\$2.50	\$3,510.00	\$3.80	\$5,335.20								
2-2.1	REMOVE CONCRETE SIDEWALK	SF	10470	\$2.00	\$20,940.00	\$0.85	\$8,899.50	\$1.00	\$10,470.00	\$1.25	\$13,087.50	\$0.80	\$8,376.00								
2-2.2	REMOVE CONCRETE DRIVEWAY PAVING	SF	1755	\$3.00	\$5,265.00	\$1.15	\$2,018.25	\$1.00	\$1,755.00	\$1.60	\$2,808.00	\$1.70	\$2,983.50								
2-3.4	REMOVE CONCRETE STREET INTERSECTION GUTTER (CROSSPAN) AND/OR VALLEY GUT	SF	14017	\$2.60	\$36,456.82	\$1.75	\$24,529.75	\$1.00	\$14,017.00	\$1.70	\$23,828.90	\$0.90	\$12,615.30								
2-11.1b	REMOVE EXISTING 10" SANITARY SEWER PIPE	LF	2006	\$12.00	\$24,072.00	\$3.75	\$7,522.50	\$3.00	\$6,018.00	\$11.00	\$22,066.00	\$10.00	\$20,060.00								
2-11.2b	REMOVE EXISTING 10" STORM SEWER PIPE	LF	40	\$10.00	\$400.00	\$32.00	\$1,280.00	\$5.00	\$200.00	\$11.00	\$440.00	\$13.00	\$520.00								
2-11.2d	REMOVE EXISTING 15" STORM SEWER PIPE	LF	240	\$17.00	\$4,080.00	\$32.00	\$7,680.00	\$5.00	\$1,200.00	\$18.00	\$4,320.00	\$11.00	\$2,640.00								
2-11.2e	REMOVE EXISTING 18" STORM SEWER PIPE	LF	20	\$25.00	\$500.00	\$37.00	\$740.00	\$5.00	\$100.00	\$20.00	\$400.00	\$16.00	\$320.00								
2-11.2g	REMOVE EXISTING 24" STORM SEWER PIPE	LF	10	\$28.00	\$280.00	\$37.00	\$370.00	\$3.00	\$30.00	\$23.00	\$230.00	\$20.00	\$200.00								
2-11.2k	REMOVE EXISTING 36" STORM SEWER PIPE	LF	750	\$25.00	\$18,750.00	\$14.15	\$10,612.50	\$28.00	\$21,000.00	\$31.00	\$23,250.00	\$13.00	\$9,750.00								
2-11.2r	REMOVE EXISTING 72" STORM SEWER PIPE	LF	1150	\$100.00	\$115,000.00	\$15.00	\$17,250.00	\$18.00	\$20,700.00	\$69.00	\$79,350.00	\$28.00	\$32,200.00								
2-11.5a	ABANDON EXISTING 8" SEWER PIPE	LF	765	\$16.00	\$12,240.00	\$5.80	\$4,437.00	\$3.00	\$2,295.00	\$8.00	\$6,120.00	\$6.00	\$4,590.00								
2-12.1	REMOVE EXISTING SANITARY MANHOLE	EA	14	\$700.00	\$9,800.00	\$635.00	\$8,890.00	\$350.00	\$4,900.00	\$500.00	\$7,000.00	\$700.00	\$9,800.00								
2-12.2	REMOVE EXISTING STORM MANHOLE	EA	6	\$600.00	\$3,600.00	\$675.00	\$4,050.00	\$900.00	\$5,400.00	\$500.00	\$3,000.00	\$900.00	\$5,400.00								
2-13.1	REMOVE EXISTING STORM INLET	EA	6	\$530.00	\$3,180.00	\$675.00	\$4,050.00	\$450.00	\$2,700.00	\$500.00	\$3,000.00	\$900.00	\$5,400.00								
2-17.3	REMOVE AND REPLACE SIGN	EA	5	\$500.00	\$2,500.00	\$175.00	\$875.00	\$150.00	\$750.00	\$320.00	\$1,600.00	\$600.00	\$3,000.00								
2-24	REMOVE AND REPLACE BUS STOP	EA	2	\$4,000.00	\$8,000.00	\$2,450.00	\$4,900.00	\$1,600.00	\$3,200.00	\$350.00	\$700.00	\$3,100.00	\$6,200.00								
5-2a	SUBGRADE MATERIAL (SELECT BACKFILL)	TON	1500	\$12.00	\$18,000.00	\$11.50	\$17,250.00	\$6.00	\$9,000.00	\$15.00	\$22,500.00	\$24.00	\$36,000.00								
8-1.1b	6" DIP AWWA C151, CLASS 50 WATER LINE	LF	170	\$75.00	\$12,750.00	\$63.00	\$10,710.00	\$68.00	\$11,560.00	\$56.00	\$9,520.00	\$50.00	\$8,500.00								
8-1.1d	10" DIP AWWA C151, CLASS 50 WATER LINE	LF	5	\$80.00	\$400.00	\$239.00	\$1,195.00	\$200.00	\$1,000.00	\$350.00	\$1,750.00	\$480.00	\$2,400.00								
8-1.1e	12" DIP AWWA C151, CLASS 50 WATER LINE	LF	2416	\$85.00	\$205,360.00	\$71.00	\$171,536.00	\$87.00	\$210,192.00	\$90.00	\$217,440.00	\$73.00	\$176,368.00								
8-1.2b	INSTALL 6" WATER VALVE	EA	2	\$1,300.00	\$2,600.00	\$675.00	\$1,350.00	\$705.00	\$1,410.00	\$1,200.00	\$2,400.00	\$800.00	\$1,600.00								
8-1.2d	INSTALL 10" WATER VALVE	EA	2	\$1,600.00	\$3,200.00	\$1,330.00	\$2,660.00	\$1,490.00	\$2,980.00	\$2,000.00	\$4,000.00	\$1,500.00	\$3,000.00								
8-1.2e	INSTALL 12" WATER VALVE	EA	1	\$2,000.00	\$2,000.00	\$3,300.00	\$3,300.00	\$1,400.00	\$1,400.00	\$1,600.00	\$1,600.00	\$1,400.00	\$1,400.00								
8-1.2e	INSTALL 12" WATER VALVE	EA	13	\$1,700.00	\$22,100.00	\$1,725.00	\$22,425.00	\$1,800.00	\$23,400.00	\$2,300.00	\$29,900.00	\$1,700.00	\$22,100.00								
8-2	REMOVE FIRE HYDRANT ASSEMBLY	EA	1	\$700.00	\$700.00	\$440.00	\$440.00	\$390.00	\$390.00	\$525.00	\$525.00	\$2,100.00	\$2,100.00								
8-3	INSTALL FIRE HYDRANT ASSEMBLY	EA	1	\$3,800.00	\$3,800.00	\$2,750.00	\$2,750.00	\$3,100.00	\$3,100.00	\$4,000.00	\$4,000.00	\$3,900.00	\$3,900.00								
12-1.1	VERTICAL 6" CONCRETE CURB AND GUTTER	LF	1404	\$20.00	\$28,080.00	\$16.50	\$23,166.00	\$17.00	\$23,868.00	\$25.00	\$35,100.00	\$21.00	\$29,484.00								
12-1.8	HANDICAP CONCRETE CURB RAMP	SF	2676	\$10.00	\$26,760.00	\$9.50	\$25,422.00	\$9.00	\$24,084.00	\$19.00	\$50,844.00	\$6.20	\$16,591.20								
12-2.1	CONCRETE SIDEWALK	SF	10470	\$5.30	\$55,491.00	\$4.50	\$47,115.00	\$5.00	\$52,350.00	\$6.60	\$69,102.00	\$3.30	\$34,551.00								
12-3.2	5' CONCRETE VALLEY GUTTER	SF	2680	\$7.00	\$18,760.00	\$5.10	\$13,668.00	\$6.00	\$16,080.00	\$8.80	\$23,584.00	\$4.90	\$13,132.00								
12-4.1	CONCRETE STREET INTERSECTION GUTTER (CROSSPAN)	SF	617	\$10.00	\$6,170.00	\$8.50	\$5,244.50	\$10.00	\$6,170.00	\$8.80	\$5,429.60	\$9.00	\$5,553.00								
12-5.1	CONCRETE DRIVEWAY PAVING	SF	1755	\$7.00	\$12,285.00	\$7.50	\$13,162.50	\$9.00	\$15,795.00	\$7.25	\$12,723.75	\$7.00	\$12,285.00								
20-1	ASPHALTIC TEMPORARY PATCHING	SY/IN	3000	\$4.00	\$12,000.00	\$5.25	\$15,750.00	\$4.00	\$12,000.00	\$3.70	\$11,100.00	\$8.00	\$24,000.00								
20-3hbe	ASPHALT TRENCH PAVING, S, RAP 20%, N=75, 64-22.	SY/IN	127477	\$4.00	\$509,908.00	\$3.50	\$446,169.50	\$3.00	\$382,431.00	\$4.20	\$535,403.40	\$3.30	\$420,674.10								
20-5	ASPHALT PATCH	SY/IN	3000	\$4.00	\$12,000.00	\$5.25	\$15,750.00	\$4.00	\$12,000.00	\$4.20	\$12,600.00	\$6.00	\$18,000.00								
34-2.3d	15" DIAMETER C-76 RCP, CLASS III	LF	150	\$60.00	\$9,000.00	\$91.00	\$13,650.00	\$45.00	\$6,750.00	\$81.00	\$12,150.00	\$80.00	\$12,000.00								

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				UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST	UNIT COST	ITEM COST									
34-2.3e	18" DIAMETER C-76 RCP, CLASS III	LF	9	\$65.00	\$585.00	\$102.00	\$918.00	\$66.00	\$594.00	\$88.00	\$792.00	\$100.00	\$900.00									
34-2.3r	72" DIAMETER C-76 RCP, CLASS III	LF	40	\$385.00	\$15,400.00	\$375.00	\$15,000.00	\$258.00	\$10,320.00	\$370.00	\$14,800.00	\$250.00	\$10,000.00									
34-2.3y	120" DIAMETER C-76 RCP, CLASS III	LF	545	\$868.00	\$473,060.00	\$715.00	\$389,675.00	\$730.00	\$397,850.00	\$740.00	\$403,300.00	\$967.00	\$527,015.00									
34-2.4y	120" DIAMETER C-76 RCP, CLASS IV	LF	3260	\$955.00	\$3,113,300.00	\$783.00	\$2,552,580.00	\$800.00	\$2,608,000.00	\$820.00	\$2,673,200.00	\$1,091.00	\$3,556,660.00									
34-2.5y	120" DIAMETER C-76 RCP, CLASS V	LF	144	\$1,193.00	\$171,792.00	\$879.00	\$126,576.00	\$900.00	\$129,600.00	\$920.00	\$132,480.00	\$1,157.00	\$166,608.00									
34-7.1a	8" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	56	\$63.00	\$3,528.00	\$74.00	\$4,144.00	\$72.00	\$4,032.00	\$51.00	\$2,856.00	\$80.00	\$4,480.00									
34-7.1b	10" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	978	\$66.00	\$64,548.00	\$51.50	\$50,367.00	\$76.00	\$74,328.00	\$55.00	\$53,790.00	\$84.00	\$82,152.00									
34-7.1c	12" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	982	\$68.00	\$66,776.00	\$52.00	\$51,064.00	\$79.00	\$77,578.00	\$63.00	\$61,866.00	\$86.00	\$84,452.00									
34-7.1d	15" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	1168	\$70.00	\$81,760.00	\$59.00	\$68,912.00	\$84.00	\$98,112.00	\$72.00	\$84,096.00	\$92.00	\$107,456.00									
34-11.1b	10" DIAMETER ASTM D-3034 SDR 35, PVC PIPE BY JACKING/BORING WITH STEEL CASING	LF	1279	\$450.00	\$575,550.00	\$295.00	\$377,305.00	\$275.00	\$351,725.00	\$375.00	\$479,625.00	\$300.00	\$383,700.00									
34-11.1d	15" DIAMETER ASTM D-3034 SDR 35, PVC PIPE BY JACKING/BORING WITH STEEL CASING	LF	122	\$500.00	\$61,000.00	\$340.00	\$41,480.00	\$270.00	\$32,940.00	\$375.00	\$45,750.00	\$330.00	\$40,260.00									
34-12.1a	4' DIAMETER PRECAST MANHOLE WITH TYPE A BASE & CONCENTRIC CONE	EA	20	\$2,800.00	\$56,000.00	\$2,200.00	\$44,000.00	\$1,950.00	\$39,000.00	\$3,200.00	\$64,000.00	\$3,000.00	\$60,000.00									
34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE	EA	3	\$2,600.00	\$7,800.00	\$1,700.00	\$5,100.00	\$1,970.00	\$5,910.00	\$3,000.00	\$9,000.00	\$3,400.00	\$10,200.00									
34-12.4a	TYPE B MANHOLE WITH TYPE A TOP SLAB	EA	3	\$7,300.00	\$21,900.00	\$21,000.00	\$63,000.00	\$29,000.00	\$87,000.00	\$35,000.00	\$105,000.00	\$35,000.00	\$105,000.00									
34-12.4c	TYPE B MANHOLE SPECIAL DESIGN	EA	4	\$7,500.00	\$30,000.00	\$22,500.00	\$90,000.00	\$35,000.00	\$140,000.00	\$36,000.00	\$144,000.00	\$34,000.00	\$136,000.00									
34-12.5c	TYPE P MANHOLE SPECIAL DESIGN	EA	3	\$8,000.00	\$24,000.00	\$27,300.00	\$81,900.00	\$40,500.00	\$121,500.00	\$42,000.00	\$126,000.00	\$37,000.00	\$111,000.00									
34-12.7	SPECIAL STRUCTURE	EA	1	\$80,000.00	\$80,000.00	\$47,800.00	\$47,800.00	\$65,300.00	\$65,300.00	\$67,000.00	\$67,000.00	\$49,000.00	\$49,000.00									
34-12.7	SPECIAL STRUCTURE	EA	1	\$100,000.00	\$100,000.00	\$57,600.00	\$57,600.00	\$76,300.00	\$76,300.00	\$78,000.00	\$78,000.00	\$60,000.00	\$60,000.00									
34-13.1a	8" PIPE OUTSIDE DROP	EA	1	\$1,700.00	\$1,700.00	\$2,830.00	\$2,830.00	\$1,600.00	\$1,600.00	\$1,300.00	\$1,300.00	\$3,000.00	\$3,000.00									
34-14.4	CONCRETE COLLARS	EA	1	\$7,500.00	\$7,500.00	\$8,500.00	\$8,500.00	\$5,500.00	\$5,500.00	\$4,000.00	\$4,000.00	\$1,900.00	\$1,900.00									
34-15.1a	SANITARY SEWER TAP LOCATION AND VERIFICATION	EA	51	\$270.00	\$13,770.00	\$102.00	\$5,202.00	\$250.00	\$12,750.00	\$210.00	\$10,710.00	\$130.00	\$6,630.00									
34-15.1b	STORM SEWER TAP LOCATION AND VERIFICATION	EA	4	\$300.00	\$1,200.00	\$152.50	\$610.00	\$450.00	\$1,800.00	\$210.00	\$840.00	\$220.00	\$880.00									
34-15.2a	RECONNECT SANITARY SEWER SERVICES (TAPS)	EA	51	\$600.00	\$30,600.00	\$700.00	\$35,700.00	\$950.00	\$48,450.00	\$1,300.00	\$66,300.00	\$1,100.00	\$56,100.00									
34-15.2b	RECONNECT STORM SEWER SERVICES (TAPS)	EA	4	\$700.00	\$2,800.00	\$475.00	\$1,900.00	\$5,000.00	\$20,000.00	\$1,100.00	\$4,400.00	\$1,200.00	\$4,800.00									
34-15.3	UTILITY EXPLORATORY INVESTIGATION	EA	10	\$500.00	\$5,000.00	\$290.00	\$2,900.00	\$450.00	\$4,500.00	\$400.00	\$4,000.00	\$900.00	\$9,000.00									
34-16.2a	SINGLE #16 STORM INLET WITH OPEN THROAT	EA	2	\$2,600.00	\$5,200.00	\$2,600.00	\$5,200.00	\$3,200.00	\$6,400.00	\$3,300.00	\$6,600.00	\$3,200.00	\$6,400.00									
34-16.3a	DOUBLE #16 STORM INLET WITH OPEN THROAT	EA	4	\$3,900.00	\$15,600.00	\$4,300.00	\$17,200.00	\$5,200.00	\$20,800.00	\$5,000.00	\$20,000.00	\$4,700.00	\$18,800.00									
40-3	SODDING	SF	1200	\$2.00	\$2,400.00	\$1.75	\$2,100.00	\$2.00	\$2,400.00	\$1.30	\$1,560.00	\$3.00	\$3,600.00									
40-5	RELOCATE SPRINKLER SYSTEM	LF	200	\$15.00	\$3,000.00	\$31.00	\$6,200.00	\$18.00	\$3,600.00	\$11.00	\$2,200.00	\$17.00	\$3,400.00									
41-1	TRAFFIC CONTROL	LS	1	\$60,000.00	\$60,000.00	\$139,000.00	\$139,000.00	\$180,000.00	\$180,000.00	\$175,000.00	\$175,000.00	\$178,000.00	\$178,000.00									
42-1	RAILROAD CONTROL	LS	1	\$60,000.00	\$60,000.00	\$13,500.00	\$13,500.00	\$6,200.00	\$6,200.00	\$25,000.00	\$25,000.00	\$40,000.00	\$40,000.00									
43-1	STORM WATER MANAGEMENT PLANS (SWMPs)	LS	1	\$3,000.00	\$3,000.00	\$3,915.00	\$3,915.00	\$10,000.00	\$10,000.00	\$5,977.85	\$5,977.85	\$92,000.00	\$92,000.00									
46-3	THERMOPLASTIC PAVEMENT MARKING	SF	900	\$1.75	\$1,575.00	\$4.50	\$4,050.00	\$5.00	\$4,500.00	\$5.75	\$5,175.00	\$14.00	\$12,600.00									
50-1	MOBILIZATION	LS	1	\$300,000.00	\$300,000.00	\$180,000.00	\$180,000.00	\$116,000.00	\$116,000.00	\$165,000.00	\$165,000.00	\$240,000.00	\$240,000.00									
				<b>Total Project Cost</b>		\$6,692,036.82	\$5,463,364.00		\$5,679,496.00		\$6,300,000.00		\$7,145,021.30									