



# CITY AND COUNTY OF DENVER

Department of Public Works - Wastewater Management Division

## CONTRACT BID TABULATIONS

PC70804\_333

2004 GENERAL STORM SEWER IMPROVEMENTS



ITEM #	BID ITEM DESCRIPTION	UNITS	QUAN.	Engineers Estimate of Cost		BT Construction Inc.		Tierdael Construction Company		New Design Construction											
				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	30	\$4.11	\$123.30	\$7.00	\$210.00	\$12.00	\$360.00	\$7.00	\$210.00										
2-1.2b	REMOVE 9" CONCRETE CURB AND/OR GUTTER	LF	935	\$3.34	\$3,122.90	\$5.00	\$4,675.00	\$6.00	\$5,610.00	\$6.00	\$5,610.00										
2-2.1	REMOVE CONCRETE SIDEWALK	SF	742	\$4.40	\$3,264.80	\$4.00	\$2,968.00	\$3.00	\$2,226.00	\$2.50	\$1,855.00										
2-3.1	REMOVE CONCRETE ALLEY GUTTER	SF	350	\$2.53	\$885.50	\$4.00	\$1,400.00	\$5.00	\$1,750.00	\$3.00	\$1,050.00										
2-3.2	REMOVE CONCRETE ALLEY RETURNS	SF	125	\$3.38	\$422.50	\$6.00	\$750.00	\$7.00	\$875.00	\$3.50	\$437.50										
2-3.4	REMOVE CONCRETE STREET INTERSECTION GUTTER (CROSSPAN) AND/OR VALLEY GUT	SF	2364	\$2.53	\$5,980.92	\$8.00	\$18,912.00	\$3.50	\$8,274.00	\$3.75	\$8,865.00										
2-11.1a	REMOVE EXISTING 8" SANITARY SEWER PIPE	LF	246	\$8.57	\$2,108.22	\$12.00	\$2,952.00	\$23.00	\$5,658.00	\$10.00	\$2,460.00										
2-11.2c	REMOVE EXISTING 12" STORM SEWER PIPE	LF	150	\$14.76	\$2,214.00	\$25.00	\$3,750.00	\$23.00	\$3,450.00	\$15.00	\$2,250.00										
2-12.1	REMOVE EXISTING SANITARY MANHOLE	EA	2	\$671.29	\$1,342.58	\$620.00	\$1,240.00	\$518.00	\$1,036.00	\$800.00	\$1,600.00										
2-13.1	REMOVE EXISTING STORM INLET	EA	19	\$532.04	\$10,108.76	\$620.00	\$11,780.00	\$650.00	\$12,350.00	\$900.00	\$17,100.00										
5-2a	SUBGRADE MATERIAL (SELECT BACKFILL)	TON	50	\$11.62	\$581.00	\$10.00	\$500.00	\$24.00	\$1,200.00	\$40.00	\$2,000.00										
8-1.1b	6" DIP AWWA C151, CLASS 50 WATER LINE	LF	525	\$84.73	\$44,483.25	\$60.00	\$31,500.00	\$73.00	\$38,325.00	\$58.00	\$30,450.00										
8-1.1c	8" DIP AWWA C151, CLASS 50 WATER LINE	LF	30	\$108.65	\$3,259.50	\$150.00	\$4,500.00	\$200.00	\$6,000.00	\$194.00	\$5,820.00										
8-1.1e	12" DIP AWWA C151, CLASS 50 WATER LINE	LF	30	\$123.11	\$3,693.30	\$150.00	\$4,500.00	\$145.00	\$4,350.00	\$234.00	\$7,020.00										
8-1.2b	INSTALL 6" WATER VALVE	EA	4	\$1,109.82	\$4,439.28	\$1,500.00	\$6,000.00	\$2,600.00	\$10,400.00	\$1,165.00	\$4,660.00										
8-1.2c	INSTALL 8" WATER VALVE	EA	1	\$1,404.33	\$1,404.33	\$2,000.00	\$2,000.00	\$2,900.00	\$2,900.00	\$1,475.00	\$1,475.00										
8-1.2e	INSTALL 12" WATER VALVE	EA	1	\$1,959.13	\$1,959.13	\$1,900.00	\$1,900.00	\$4,200.00	\$4,200.00	\$2,200.00	\$2,200.00										
12-1.1	VERTICAL 6" CONCRETE CURB AND GUTTER	LF	390	\$20.69	\$8,069.10	\$30.00	\$11,700.00	\$31.75	\$12,382.50	\$22.00	\$8,580.00										
12-1.4	VERTICAL 9" CONCRETE CURB AND GUTTER	LF	260	\$20.48	\$5,324.80	\$35.00	\$9,100.00	\$38.00	\$9,880.00	\$25.00	\$6,500.00										
12-1.8	HANDICAP CONCRETE CURB RAMP	SF	940	\$9.93	\$9,334.20	\$10.00	\$9,400.00	\$12.00	\$11,280.00	\$19.00	\$17,860.00										
12-2.1	CONCRETE SIDEWALK	SF	132	\$5.15	\$679.80	\$8.00	\$1,056.00	\$12.00	\$1,584.00	\$10.00	\$1,320.00										
12-5.4	CONCRETE ALLEY GUTTERS	SF	390	\$6.86	\$2,675.40	\$8.00	\$3,120.00	\$11.00	\$4,290.00	\$11.00	\$4,290.00										
12-5.5	CONCRETE ALLEY PAVING	SF	375	\$7.12	\$2,670.00	\$8.00	\$3,000.00	\$11.00	\$4,125.00	\$10.00	\$3,750.00										
12-5.6	CONCRETE ALLEY RETURNS	SF	125	\$6.09	\$761.25	\$10.00	\$1,250.00	\$16.00	\$2,000.00	\$12.00	\$1,500.00										
12-13	CONCRETE ENCASMENT AROUND PIPE	CY	1	\$479.65	\$479.65	\$580.00	\$580.00	\$890.00	\$890.00	\$775.00	\$775.00										
20-2gbe	ASPHALT OVERLAY, SX, RAP 20%, N=75, 64-22.	SY/IN	459	\$3.45	\$1,583.55	\$4.00	\$1,836.00	\$5.00	\$2,295.00	\$13.37	\$6,136.83										
20-3hbe	ASPHALT TRENCH PAVING, S, RAP 20%, N=75, 64-22.	SY/IN	16500	\$4.10	\$67,650.00	\$4.00	\$66,000.00	\$5.00	\$82,500.00	\$5.00	\$82,500.00										
20-4	ASPHALT ROTOMILL	SY/IN	108	\$2.79	\$301.32	\$40.00	\$4,320.00	\$7.00	\$756.00	\$40.00	\$4,320.00										
20-5	ASPHALT PATCH	SY/IN	50	\$6.11	\$305.50	\$7.00	\$350.00	\$8.00	\$400.00	\$24.31	\$1,215.50										
34-2.3d	15" DIAMETER C-76 RCP, CLASS III	LF	376	\$57.77	\$21,721.52	\$70.00	\$26,320.00	\$73.00	\$27,448.00	\$58.00	\$21,808.00										
34-2.3e	18" DIAMETER C-76 RCP, CLASS III	LF	810	\$57.60	\$46,656.00	\$55.00	\$44,550.00	\$61.00	\$49,410.00	\$75.00	\$60,750.00										
34-2.3g	24" DIAMETER C-76 RCP, CLASS III	LF	1020	\$56.25	\$57,375.00	\$55.00	\$56,100.00	\$64.00	\$65,280.00	\$64.00	\$65,280.00										
34-2.3h	27" DIAMETER C-76 RCP, CLASS III	LF	600	\$71.90	\$43,140.00	\$65.00	\$39,000.00	\$68.00	\$40,800.00	\$78.00	\$46,800.00										
34-2.3i	30" DIAMETER C-76 RCP, CLASS III	LF	415	\$67.24	\$27,904.60	\$65.00	\$26,975.00	\$76.00	\$31,540.00	\$67.00	\$27,805.00										
34-2.3k	36" DIAMETER C-76 RCP, CLASS III	LF	375	\$78.64	\$29,490.00	\$75.00	\$28,125.00	\$82.00	\$30,750.00	\$72.00	\$27,000.00										
34-2.4d	15" DIAMETER C-76 RCP, CLASS IV	LF	433	\$50.00	\$21,650.00	\$60.00	\$25,980.00	\$84.00	\$36,372.00	\$57.00	\$24,681.00										
34-7.1a	8" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	250	\$61.03	\$15,257.50	\$60.00	\$15,000.00	\$61.00	\$15,250.00	\$59.00	\$14,750.00										

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34-7.1b	10" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	50	\$72.05	\$3,602.50	\$70.00	\$3,500.00	\$78.00	\$3,900.00	\$94.00	\$4,700.00										
34-7.1c	12" DIAMETER ASTM D-3034 SDR 35, PVC PIPE	LF	12	\$68.78	\$825.36	\$130.00	\$1,560.00	\$150.00	\$1,800.00	\$232.00	\$2,784.00										
34-12.1a	4' DIAMETER PRECAST MANHOLE WITH TYPE A BASE & CONCENTRIC CONE	EA	3	\$2,864.26	\$8,592.78	\$2,400.00	\$7,200.00	\$2,100.00	\$6,300.00	\$2,500.00	\$7,500.00										
34-12.1c	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & CONCENTRIC CONE	EA	4	\$2,370.66	\$9,482.64	\$2,400.00	\$9,600.00	\$2,200.00	\$8,800.00	\$2,700.00	\$10,800.00										
34-12.1d	4' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & FLAT TOP	EA	14	\$2,137.34	\$29,922.76	\$2,400.00	\$33,600.00	\$2,100.00	\$29,400.00	\$2,200.00	\$30,800.00										
34-12.2d	5' DIAMETER PRECAST MANHOLE WITH TYPE C BASE & FLAT TOP	EA	1	\$2,502.40	\$2,502.40	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$2,700.00	\$2,700.00										
34-15.1a	SANITARY SEWER TAP LOCATION AND VERIFICATION	EA	4	\$233.81	\$935.24	\$140.00	\$560.00	\$235.00	\$940.00	\$1,000.00	\$4,000.00										
34-15.2a	RECONNECT SANITARY SEWER SERVICES (TAPS)	EA	6	\$596.57	\$3,579.42	\$530.00	\$3,180.00	\$950.00	\$5,700.00	\$750.00	\$4,500.00										
34-15.3	UTILITY EXPLORATORY INVESTIGATION	EA	3	\$386.62	\$1,159.86	\$220.00	\$660.00	\$600.00	\$1,800.00	\$1,500.00	\$4,500.00										
34-16.1a	#14 STORM INLET (L=6')	EA	2	\$2,821.89	\$5,643.78	\$3,300.00	\$6,600.00	\$3,200.00	\$6,400.00	\$4,200.00	\$8,400.00										
34-16.2a	SINGLE #16 STORM INLET WITH OPEN THROAT	EA	23	\$2,653.87	\$61,039.01	\$2,600.00	\$59,800.00	\$2,500.00	\$57,500.00	\$3,700.00	\$85,100.00										
34-16.2b	SINGLE #16 STORM INLET WITHOUT OPEN THROAT	EA	2	\$2,656.65	\$5,313.30	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00	\$2,200.00	\$4,400.00										
34-16.4a	TRIPLE #16 STORM INLET WITH OPEN THROAT	EA	2	\$5,231.81	\$10,463.62	\$4,900.00	\$9,800.00	\$5,500.00	\$11,000.00	\$5,500.00	\$11,000.00										
34-17.1a	VIDEO ENGINEERING OF 8" DIAMETER SEWER PIPE	LF	505	\$1.20	\$606.00	\$1.00	\$505.00	\$1.00	\$505.00	\$1.25	\$631.25										
34-17.1b	VIDEO ENGINEERING OF 10" DIAMETER SEWER PIPE	LF	240	\$1.26	\$302.40	\$1.00	\$240.00	\$1.50	\$360.00	\$1.25	\$300.00										
34-17.1c	VIDEO ENGINEERING OF 12" DIAMETER SEWER PIPE	LF	521	\$1.55	\$807.55	\$1.00	\$521.00	\$1.50	\$781.50	\$1.25	\$651.25										
34-17.1d	VIDEO ENGINEERING OF 15" DIAMETER SEWER PIPE	LF	470	\$1.33	\$625.10	\$1.00	\$470.00	\$1.50	\$705.00	\$1.25	\$587.50										
34-17.1e	VIDEO ENGINEERING OF 18" DIAMETER SEWER PIPE	LF	1257	\$1.68	\$2,111.76	\$1.00	\$1,257.00	\$1.50	\$1,885.50	\$1.25	\$1,571.25										
34-17.1g	VIDEO ENGINEERING OF 24" DIAMETER SEWER PIPE	LF	202	\$2.07	\$418.14	\$1.00	\$202.00	\$1.50	\$303.00	\$1.25	\$252.50										
34-17.1i	VIDEO ENGINEERING OF 30" DIAMETER SEWER PIPE	LF	319	\$2.44	\$778.36	\$1.00	\$319.00	\$2.00	\$638.00	\$1.25	\$398.75										
34-17.2a	CLEANING OF 8" DIAMETER SANITARY SEWER PIPE	LF	505	\$1.04	\$525.20	\$1.00	\$505.00	\$1.50	\$757.50	\$1.25	\$631.25										
34-17.3a	8" DIAMETER SANITARY SEWER BY-PASS PUMPING	LF	505	\$0.45	\$227.25	\$1.00	\$505.00	\$2.00	\$1,010.00	\$1.25	\$631.25										
34-17.4a	8" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	505	\$25.07	\$12,660.35	\$30.00	\$15,150.00	\$27.00	\$13,635.00	\$28.00	\$14,140.00										
34-17.4b	10" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	240	\$31.60	\$7,584.00	\$30.00	\$7,200.00	\$28.00	\$6,720.00	\$29.00	\$6,960.00										
34-17.4c	12" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	521	\$31.52	\$16,421.92	\$30.00	\$15,630.00	\$31.00	\$16,151.00	\$32.00	\$16,672.00										
34-17.4d	15" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	470	\$36.92	\$17,352.40	\$35.00	\$16,450.00	\$38.00	\$17,860.00	\$39.00	\$18,330.00										
34-17.4e	18" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	1257	\$57.22	\$71,925.54	\$45.00	\$56,565.00	\$47.00	\$59,079.00	\$48.00	\$60,336.00										
34-17.4g	24" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	202	\$70.16	\$14,172.32	\$115.00	\$23,230.00	\$115.00	\$23,230.00	\$121.00	\$24,442.00										
34-17.4i	30" DIAMETER CURED-IN-PLACE-PLASTIC LINER	LF	319	\$104.71	\$33,402.49	\$125.00	\$39,875.00	\$130.00	\$41,470.00	\$133.00	\$42,427.00										
34-17.5	GRINDING	LF	25	\$5.70	\$142.50	\$20.00	\$500.00	\$18.00	\$450.00	\$12.00	\$300.00										
34-17.6a	SANITARY SEWER SERVICE REACTIVATION CIPP	EA	24	\$96.43	\$2,314.32	\$20.00	\$480.00	\$25.00	\$600.00	\$120.00	\$2,880.00										
34-17.6b	STORM SEWER SERVICE REACTIVATION CIPP	EA	16	\$100.00	\$1,600.00	\$60.00	\$960.00	\$58.00	\$928.00	\$60.00	\$960.00										
34-18.2b	CLEANING OF 10" DIAMETER STORM SEWER PIPE	LF	240	\$1.25	\$300.00	\$1.00	\$240.00	\$2.00	\$480.00	\$1.25	\$300.00										
34-18.2c	CLEANING OF 12" DIAMETER STORM SEWER PIPE	LF	521	\$1.75	\$911.75	\$1.00	\$521.00	\$2.00	\$1,042.00	\$1.25	\$651.25										
34-18.2d	CLEANING OF 15" DIAMETER STORM SEWER PIPE	LF	470	\$1.50	\$705.00	\$1.00	\$470.00	\$2.00	\$940.00	\$1.25	\$587.50										
34-18.2e	CLEANING OF 18" DIAMETER STORM SEWER PIPE	LF	1257	\$2.50	\$3,142.50	\$1.00	\$1,257.00	\$2.00	\$2,514.00	\$1.25	\$1,571.25										
34-18.2g	CLEANING OF 24" DIAMETER STORM SEWER PIPE	LF	202	\$2.75	\$555.50	\$1.00	\$202.00	\$2.00	\$404.00	\$1.25	\$252.50										
34-18.2i	CLEANING OF 30" DIAMETER STORM SEWER PIPE	LF	319	\$3.50	\$1,116.50	\$1.00	\$319.00	\$2.00	\$638.00	\$1.25	\$398.75										
34-18.3d	15" DIAMETER STORM SEWER BY-PASS	LF	470	\$2.50	\$1,175.00	\$1.00	\$470.00	\$2.00	\$940.00	\$1.25	\$587.50										
34-18.3e	18" DIAMETER STORM SEWER BY-PASS	LF	1257	\$3.25	\$4,085.25	\$1.00	\$1,257.00	\$2.00	\$2,514.00	\$1.25	\$1,571.25										
34-18.3g	24" DIAMETER STORM SEWER BY-PASS	LF	202	\$8.10	\$1,636.20	\$1.00	\$202.00	\$2.00	\$404.00	\$1.25	\$252.50										
34-18.3i	30" DIAMETER STORM SEWER BY-PASS	LF	319	\$8.10	\$2,583.90	\$1.00	\$319.00	\$2.00	\$638.00	\$1.25	\$398.75										
40-3	SODDING	SF	1405	\$1.85	\$2,599.25	\$2.00	\$2,810.00	\$2.00	\$2,810.00	\$5.00	\$7,025.00										
41-1	TRAFFIC CONTROL	LS	1	\$12,000.00	\$12,000.00	\$42,000.00	\$42,000.00	\$34,700.00	\$34,700.00	\$53,300.00	\$53,300.00										

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50-1	MOBILIZATION	LS	1	\$60,000.00	\$60,000.00	\$71,000.00	\$71,000.00	\$121,860.00	\$121,860.00	\$75,000.00	\$75,000.00										
				<b>Total Project Cost</b>		\$870,273.58	\$918,990.00		\$1,036,689.00		\$1,038,866.08										