## <u>Value Engineering Unit Cost Schedule</u> Coleman Road Forcemain Replacement

24,480.00 29,120.00 19,200.00 1,750,000.00 28,900.00	1,750,000.00 28,900.00	s s	rs rs	<u>ь</u>	equip. inside fence except gravity sewer pipe & manholes) Forcemain Pressure Testing	999-3131
24,480.00 29,120.00 19,200.00 1,750,000.00	1,750,000.00	Ś	S		equip. inside fence except gravity sewer pipe & manholes)	
24,480.00 29,120.00 19,200.00				ц	Pump Station Complete (Incl. pavement, fence, & all materials and	796-0500
24,480.00 29,120.00	2,400.00	Ŷ	AC	∞	Permanent Grassing - All disturbed areas	700-6910
24,480.00	910.00	\$	LF	32	Sanitary Sewer Manhole Additional Depth	668-3311
	6,120.00	Ŷ	EA	4	Sanitary Sewer Manhole (6' Deep)	668-3302
6,100.00	6,100.00	Ş	٢S	ч	Connect to Existing Discharge Manhole	668-3301
31,100.00	31,100.00	Ş	٢S	ч	New 8ft Dia. Discharge Manhole	668-3300
241,200.00	30,150.00	Ş	EA	80	Forcemain Plug Valve Assembly and Manhole	660-2041
208,000.00	26,000.00	Ş	EA	80	Air Release Valve Assembly and Manhole	660-2040
1,987,048.00	137.00	Ş	Ŧ	14,504	24" DR9 HDPE Forcemain	660-1220
21,240.00	295.00	Ş	Ŀ	72	24" DIP Gravity Sewer Pipe	660-0824
15,930.00	295.00	Ş	Ŀ	54	20" DIP Gravity Sewer Pipe	660-0820
4,576.00	286.00	Ş	Ŧ	16	18" DIP Gravity Sewer Pipe	660-0818
14,400.00	225.00	Ş	ħ	64	12" DIP Gravity Sewer Pipe	660-0812
1,676,220.00	210.00	Ŷ	F	7,982	Directional Drill 24" DR9 HDPE Forcemain (Incl. Pipe)	615-1100
					24" DR9 HDPE Direct Bury w/ 36" Casing (Incl. Pipe & Casing)	
790,625.00	625.00	Ş	ħ	1,265	Jack & Bore 24" DR9 HDPE w/ 36" Casing (Incl. Pipe & Casing)	615-1000
2,955.00	985.00	Ş	EA	ω	18" Flared End Section	550-4118
2,880.00	45.00	Ş	F	64	18" RCP Storm Drain	550-1180
1,250.00	50.00	\$	ĿF	25	Concrete Curb	441-6012
					1.5" Asphalt w/ 8" GAB Base Driveway Replacement	
4,875.00	125.00	Ş	ΥS	39	Concrete Pavement (Dyed Black)	430-0160
57,000.00	57,000.00	Ş	۲S	1	Clearing And Grubbing (Including removal of any debris)	201-1500
13,440.00	1,120.00	Ş	MO	12	Water Quality monitoring and sampling	167-1000
5,320.00	35.00	Ş	EA	152	Maintenance of Check Dams	165-0041
900.00	6.00	\$	LF	150	Double Row Sensitive Silt Fence	165-0030
21,636.00	3.00	\$	LĿ	7,212	Non Sensitive Silt Fence	165-0010
8,740.00	115.00	\$	EA	76	Erosion Control check dams (Temporary silt fence fabric)	163-0501
2,000.00	250.00	Ş	AC	∞	Temporary Mulch	163-0240
6,800.00	850.00	\$	AC	8	Temorary Grassing	163-0232
300,000.00	300,000.00	\$	LS	1	Mobilization, Bonds, Temp. Facilities	151-1000
33,000.00	33,000.00	Ş	۲S	1	Traffic Control	150-1000
Total Cost	Unit Cost		Unit	Quantity		ltem

TOTAL COST TO COUN
NTY 6,579,329

Direct Purchase By County	Direct Purchase By County	Direct Purchase By County
1,341,562.00	106,000.00	405,098.00

VE TOTAL
4,726,668.75

1	1	1	8	32	4	1	1	80	∞	19,786	72	54	16	64	2,700	628	637	3	64	25	1800	39	1	12	152	150	7,212	76	8	8	1	1	Quantity	
LS	LS	۲S	AC	ĥ	EA	LS	LS	EA	EA	LF	LF	LF	F	ĥ	LF	LF	LF	EA	LF	LF	YS	YS	LS	MO	EA	LĿ	LF	EA	AC	AC	LS	LS	Unit	
Ş	Ş	Ş	Ş	Ş	\$	Ş	Ş	\$	\$	\$	\$	\$	Ş	Ş	\$	\$	\$	\$	\$	\$	Ş	Ş	Ş	Ş	\$	\$	Ş	Ş	\$	\$	\$	Ş		
16,500.00	28,900.00	1,053,342.00	2,400.00	910.00	6,120.00	6,100.00	31,100.00	30,150.00	26,000.00	76.25	295.00	295.00	286.00	225.00	149.25	275.00	564.25	985.00	45.00	50.00	60.00	125.00	57,000.00	1,120.00	35.00	6.00	3.00	115.00	250.00	850.00	300,000.00	33,000.00	Unit Cost	VE Costs
16,500.00	28,900.00	1,053,342.00	19,200.00	29,120.00	24,480.00	6,100.00	31,100.00	241,200.00	208,000.00	1,508,682.50	21,240.00	15,930.00	4,576.00	14,400.00	402,975.00	172,700.00	359,427.25	2,955.00	2,880.00	1,250.00	108,000.00	4,875.00	57,000.00	13,440.00	5,320.00	00.006	21,636.00	8,740.00	2,000.00	6,800.00	300,000.00	33,000.00	Total Cost	

7,325,435.00

Submersible Pump and Panel Package Diesel Bypass Pumps HDPE Pipe

## TOTAL BID

16,500.00	16,500.00	Ŷ	LS	1	As-built survey	999-3132
28,900.00	28,900.00	Ŷ	LS	1	Forcemain Pressure Testing	999-3131
1,750,000.00	1,750,000.00	ŝ	LS	1	Pump Station Complete (Incl. pavement, fence, & all materials and equip. inside fence except gravity sewer pipe & manholes)	796-0500
19,200.00	2,400.00	ŝ	AC	8	Permanent Grassing - All disturbed areas	700-6910
29,120.00	910.00	Ŷ	F	32	Sanitary Sewer Manhole Additional Depth	668-3311
24,480.00	6,120.00	ŝ	EA	4	Sanitary Sewer Manhole (6' Deep)	668-3302
6,100.00	6,100.00	Ŷ	LS	1	Connect to Existing Discharge Manhole	668-3301
31,100.00	31,100.00	ŝ	LS	1	New 8ft Dia. Discharge Manhole	668-3300
241,200.00	30,150.00	Ŷ	EA	8	Forcemain Plug Valve Assembly and Manhole	660-2041
208,000.00	26,000.00	Ŷ	EA	8	Air Release Valve Assembly and Manhole	660-2040
1,987,048.00	137.00	Ŷ	F	14,504	24" DR9 HDPE Forcemain	660-1220
21,240.00	295.00	Ŷ	F	72	24" DIP Gravity Sewer Pipe	660-0824
15,930.00	295.00	Ŷ	F	54	20" DIP Gravity Sewer Pipe	660-0820
4,576.00	286.00	Ŷ	F	16	18" DIP Gravity Sewer Pipe	660-0818
14,400.00	225.00	Ŷ	F	64	12" DIP Gravity Sewer Pipe	660-0812
1,676,220.00	210.00	Ŷ	F	7,982	Directional Drill 24" DR9 HDPE Forcemain (Incl. Pipe)	615-1100
					24" DR9 HDPE Direct Bury w/ 36" Casing (Incl. Pipe & Casing)	
790,625.00	625.00	Ŷ	F	1,265	Jack & Bore 24" DR9 HDPE w/ 36" Casing (Incl. Pipe & Casing)	615-1000
2,955.00	985.00	ş	EA	3	18" Flared End Section	550-4118
2,880.00	45.00	Ŷ	F	64	18" RCP Storm Drain	550-1180
1,250.00	50.00	÷	F	25	Concrete Curb	441-6012
					1.5" Asphalt w/ 8" GAB Base Driveway Replacement	
4,875.00	125.00	÷	SΥ	39	Concrete Pavement (Dyed Black)	430-0160
57,000.00	57,000.00	÷	LS	ц	Clearing And Grubbing (Including removal of any debris)	201-1500
13,440.00	1,120.00	Ŷ	MO	12	Water Quality monitoring and sampling	167-1000
5,320.00	35.00	Ŷ	EA	152	Maintenance of Check Dams	165-0041
900.00	6.00	÷	F	150	Double Row Sensitive Silt Fence	165-0030
21,636.00	3.00	Ŷ	LF	7,212	Non Sensitive Silt Fence	165-0010
8,740.00	115.00	Ŷ	EA	76	Erosion Control check dams (Temporary silt fence fabric)	163-0501
2,000.00	250.00	Ş	AC	8	Temporary Mulch	163-0240
6,800.00	850.00	Ŷ	AC	8	Temorary Grassing	163-0232
300,000.00	300,000.00	Ş	LS	1	Mobilization, Bonds, Temp. Facilities	151-1000
33,000.00	33,000.00	Ş	LS	1	Irattic Control	150-1000