

Preliminary Cost Estimate

Project: Northern Delivery System
Owner: Triview Metropolitan District
Engineer: JDS-Hydro, a Division of RESPEC
Contractor: TBD

Item #	Item Description	QTY	UOM	Unit Price	Total Price
Colorado Springs Utilities Regional Water System Availability Fee					
1	Booster Station Connection				\$9,000,000.00
16" Pipeline - From Booster Pump Station, along Highway 83, Old North Gate Road, Roller Coaster Road, and Baptist Road					
1	Clear & Grub Field	2.62	Acre	\$1,000.00	\$2,620.75
2	Clear & Grub Forest	0.00	Acre	\$15,000.00	\$0.00
3	Remove Asphalt Planing 2"	45836.00	SY	\$3.00	\$137,508.00
4	Remove Asphalt Full Depth Milling	13228.00	SY	\$5.00	\$66,140.00
5	Remove and Replace Gravel Path	0.00	SY	\$3.00	\$0.00
6	Silt Fence	6994.00	LF	\$3.00	\$20,982.00
7	Vehicle Tracking Pad	5.00	EA	\$2,500.00	\$12,500.00
8	Remove, Stockpile and Replace Topsoil	5180.74	CY	\$15.00	\$77,711.11
9	16-inch Waterline	20075.00	LF	\$200.00	\$4,015,000.00
10	16-inch Mechanical Joint BFV and Valve Box	10.00	EA	\$6,339.75	\$63,397.50
11	16-inch Mechanical Joint Bend w/ Thrust Block	14.00	EA	\$3,800.00	\$53,200.00
12	Air Vacs	7.00	EA	\$20,000.00	\$140,000.00
13	Fire Hydrants	23.00	EA	\$9,450.00	\$217,350.00
14	30-inch Directional Bore (HPDE) - 1 run	0.00	LF	\$1,250.00	\$0.00
15	24" Auger Bore/Steel Casing - SH 83 and Baptist Rd.	200.00	LF	\$900.00	\$180,000.00
16	Cross Existing Utility	10.00	EA	\$2,500.00	\$25,000.00
17	Testing/Disinfection	23178.00	LF	\$10.00	\$231,780.00
18	Potholing	130.00	HR	\$250.00	\$32,500.00
19	Aggregate Base Course (Class 6)	3437.70	TN	\$30.00	\$103,131.00
20	Replace Driveway Base Course	64.81	TN	\$50.00	\$3,240.74
21	Hot Mix Asphalt Pavement 2"	5821.00	TN	\$95.00	\$552,995.00
22	Hot Mix Asphalt Pavement Variable Depth	4000.00	TN	\$90.00	\$360,000.00
23	HMA Patching	230.00	TN	\$200.00	\$46,000.00
24	Pavement Marking	22575.00	SF	\$1.00	\$22,575.00
25	Traffic Control Management	250.00	Day	\$800.00	\$200,000.00
26	Traffic Control Inspection	96.00	Day	\$150.00	\$14,400.00
27	Flagging	7250.00	HR	\$30.00	\$217,500.00
28	Traffic Control Devices	250.00	Day	\$100.00	\$25,000.00
29	Mobilization	1.00	LS	\$750,000.00	\$750,000.00
30	Survey	1.00	LS	\$120,000.00	\$120,000.00
31	Seeding	6.42	Acre	\$1,500.00	\$9,633.61
32	Impact Attenuators	2.00	EA	\$3,000.00	\$6,000.00
33	Type 7 Temporary Barrier	200.00	LF	\$35.00	\$7,000.00
Subtotal				Totals:	\$7,713,164.71
Plus 15% Construction Contingency					\$8,870,139.42
Booster Pump Station Located Adjacent to CSU Highway 83 Reservoir					
1	Superstructure	1440.00	SF	\$475.00	\$684,000.00
2	Main Pumping System	1.00	LS	\$350,000.00	\$350,000.00
3	Site Work/Fencing/Access Road/Gates	1.00	LS	\$225,000.00	\$225,000.00
4	Rail/Conveyance	1.00	LS	\$25,000.00	\$25,000.00
5	Yard Piping	1.00	LS	\$84,500.00	\$84,500.00
6	Metering/RPZ/Process Piping	1.00	LS	\$250,000.00	\$250,000.00
7	Residual Analyser	1.00	LS	\$12,500.00	\$12,500.00
8	Electrical Offites (MVEA)	3825.00	LF	\$50.00	\$191,250.00
9	Electrical Onsites (MVEA)	1.00	LS	\$25,000.00	\$25,000.00
10	Controls/SCADA	1.00	LS	\$150,000.00	\$150,000.00
11	Electrical	1.00	LS	\$300,000.00	\$300,000.00
12	Trailer Mount Generator	1.00	LS	\$300,000.00	\$300,000.00
13	Misc	1.00	LS	\$125,000.00	\$125,000.00
14	Unused	0.00	EA	\$0.00	\$0.00
15	Unused	0.00	EA	\$0.00	\$0.00
Subtotal					\$2,722,250.00
Plus 10% Construction Contingency					\$2,994,475.00
16" Pipeline within Town of Monument Boundaries to Deliver to C-Tank					
1	Clear & Grub Field	1.66	Acre	\$1,000.00	\$1,663.22
2	Clear & Grub Forest	2.00	Acre	\$15,000.00	\$30,000.00
3	Remove Asphalt Planing 2"	0.00	SY	\$3.00	\$0.00
4	Remove Asphalt Full Depth Milling	0.00	SY	\$5.00	\$0.00
5	Remove and Replace Gravel Path	30000.00	SY	\$3.00	\$90,000.00
6	Silt Fence	3750.00	LF	\$3.00	\$11,250.00
7	Vehicle Tracking Pad	2.00	EA	\$2,500.00	\$5,000.00
8	Remove, Stockpile and Replace Topsoil	1341.67	CY	\$15.00	\$20,125.00
9	16-inch Waterline	3411.00	LF	\$200.00	\$682,200.00
10	16-inch Mechanical Joint BFV and Valve Box	3.00	EA	\$6,339.75	\$19,019.25
11	16-inch Mechanical Joint Bend w/ Thrust Block	8.00	EA	\$3,800.00	\$30,400.00
12	Air Vacs	1.00	EA	\$20,000.00	\$20,000.00
13	Fire Hydrants	2.00	EA	\$9,450.00	\$18,900.00
14	16-inch Directional Bore (HPDE) - 1 run	1260.00	LF	\$1,400.00	\$1,764,000.00
15	30" Auger Bore/Steel Casing -	0.00	LF	\$2,400.00	\$0.00
16	Cross Existing Utility	0.00	EA	\$2,500.00	\$0.00
17	Testing/Disinfection	4850.00	LF	\$10.00	\$48,500.00
18	Potholing	8.00	HR	\$250.00	\$2,000.00
19	Aggregate Base Course (Class 6)	0.00	TN	\$30.00	\$0.00
20	Replace Driveway Base Course	0.00	TN	\$50.00	\$0.00
21	Hot Mix Asphalt Pavement 2"	0.00	TN	\$95.00	\$0.00
22	Hot Mix Asphalt Pavement Variable Depth	0.00	TN	\$90.00	\$0.00
23	HMA Patching	0.00	TN	\$200.00	\$0.00
24	Pavement Marking	0.00	SF	\$1.00	\$0.00
25	Traffic Control Management	0.00	Day	\$1,000.00	\$0.00
26	Traffic Control Inspection	0.00	Day	\$150.00	\$0.00
27	Flagging	0.00	HR	\$30.00	\$0.00
28	Traffic Control Devices	0.00	Day	\$100.00	\$0.00
29	Mobilization	1.00	LS	\$75,000.00	\$75,000.00
30	Survey	1.00	LS	\$25,000.00	\$25,000.00
31	Seeding	6.00	Acre	\$1,500.00	\$9,000.00
32	Impact Attenuators	0.00	EA	\$3,000.00	\$0.00
33	Type 7 Temporary Barrier	0.00	LF	\$35.00	\$0.00
Subtotal				Totals:	\$2,852,057.47
Plus 15% Construction Contingency					\$3,279,866.09
Total Construction Cost Estimate (not including soft costs)					\$24,144,480.51