

STR. NO.	STATION	DESCRIPTION	DESIGN STANDARD	UNCLASSIFIED EXCAVATION	STRUCTURAL EXCAVATION	CLASS AA CONCRETE	REINFORCING STEEL	TYPE I-A PLAIN RIPRAP	TYPE I-A FILTER BLANKET	MANHOLE (4' DIAMETER)	ADD'L DEPTH IN MANHOLE (4' DIAMETER)	30" R.C. PIPE CLASS III	36" R.C. PIPE CLASS III	30" PREFAB. CULVERT END SEC., ROUND	36" PREFAB. CULVERT END SEC., ROUND	18" JACKED CONDUIT	30" JACKED CONDUIT	36" JACKED CONDUIT	STANDARD BEDDING MATERIAL, CLASS C	TRENCH EXCAVATION	REMOVAL OF HEADWALL	
				202(A)	501(A)	509(A)	511(A)	601(B)	601(B)	611(A)	611(B)	613(A)	613(A)	613(L)	613(L)	613(W)	613(W)	613(W)	CLASS C	EXCAVATION	HEADWALL	
				CY	CY	CY	LB	TON	TON	EA	VF	LF	LF	EA	EA	LF	LF	LF	CY	CY	EA	
1	996+90.00	INSTALL 30" X 84' LONG RCP WITH END SECTIONS	PCES-4-1, FHTCP-3-1, SPI-4-1, SPB-1-4											2.00			84.00					
5	1051+94.50	INSTALL 3' X 3' X 62' LONG RCB EXTENSION	SBI-4-2, RCB-C1-3&4&5(2-20)-01E, RCB-E1-H3-0-1-01E, RCB-E1-H3-0-2-01E	144.63	9.57	28.38	4064.80															1.00
6	1057+61.00	INSTALL 30" X 108' LONG RCP WITH END SECTIONS	PCES-4-1, FHTCP-3-1, SPI-4-1, SPB-1-4					63.00	21.00			108.00		2.00						51.19	53.27	
7	1057+61.00	CONST. TEMPORARY MANHOLE (4' DIAMETER)	MJB-3-1							1.00	1.75											
11	1089+98.00	INSTALL 36" X 104' LONG RCP WITH END SECTIONS	PCES-4-1, FHTCP-3-1, SPI-4-1, SPB-1-4										66.00		2.00				38.00	49.56	15.08	
12	1013+50.00	CONST. TEMPORARY 18" X 58' LONG CGSP	FHTMP-5-0, SPI-4-1													58.00						
13	1029+92.00	CONST. 30" X 178' LONG RCP WITH END SECTIONS	PCES-4-1, FHTCP-3-1, SPI-4-1, SPB-1-4					21.00	7.00			178.00		2.00					84.37	78.44		
TOTALS				144.63	9.57	28.38	4064.80	84.00	28.00	1.00	1.75	286.00	66.00	6.00	2.00	58.00	84.00	38.00	185.12	146.79	1.00	

NOTES:
1 FOR INFORMATION ONLY. COST OF "STANDARD BEDDING MATERIAL, CLASS C" AND "TRENCH EXCAVATION" ARE TO BE INCLUDED IN THE PRICE BID FOR REINFORCED CONCRETE PIPE.
2 FOR INFORMATION ONLY. COST OF "REMOVAL OF HEADWALL" IS TO BE INCLUDED IN THE PRICE BID FOR CLASS AA CONCRETE.

STR. NO.	STATION	DESCRIPTION	DESIGN STANDARD	18" CORR. GALV. STEEL PIPE	24" CORR. GALV. STEEL PIPE	30" CORR. GALV. STEEL PIPE	42" X 29" CORR. GALV. STEEL PIPE ARCH	18" GALV. STEEL END SEC., ROUND	24" GALV. STEEL END SEC., ROUND	30" GALV. STEEL END SEC., ROUND	42" X 29" GALV. STEEL END SEC., ARCH
				613(B)	613(B)	613(B)	613(B)	613(P)	613(P)	613(P)	613(P)
				LF	LF	LF	LF	EA	EA	EA	EA
2	1002+67.00	INSTALL 24" X 38' LONG CGSP S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0		38.00				2.00		
3	1003+83.00	INSTALL 18" X 20' LONG CGSP S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0	20.00				2.00			
4	1053+48.00	INSTALL 2-30" X 42' LONG CGSP S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0			84.00				4.00	
8	1061+70.00	INSTALL 18" X 20' LONG CGSP S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0	20.00				2.00			
9	1077+40.00	INSTALL 42" X 29" X 24' LONG CGSP ARCH S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0				24.00				2.00
10	1081+08.00	INSTALL 24" X 22' LONG CGSP S.D. WITH END SECTIONS	PCES-4-1, FHTMPP-1-0		22.00				2.00		
TOTALS				40.00	60.00	84.00	24.00	4.00	4.00	4.00	2.00

STATION	SIDE	SIGN NUMBER	SIGN DESCRIPTION	SIGN SIZE	NUMBER OF POSTS	SHEET ALUMINUM SIGNS 850(A)	2 1/2" SQUARE TUBE POST 851(C)
				IN x IN		SF	LF
1052+50	X	W8-13	BRIDGE ICES BEFORE ROAD	36 x 36	1	9	12
1066+25	X	I-3	BIRCH CREEK	36 x 36	1	9	11
1069+25	X	I-3	LEFT CURVE	30 x 30	1	6.25	11
1077+50	X	W8-13	BRIDGE ICES BEFORE ROAD	36 x 36	1	9	12
TOTALS						33.25	46

STATION TO STATION	LOCATION		REMOVAL OF FENCE*	FENCE-STYLE WWF (STD) 624(A)	GATES-STYLE WWF (4.5'HIGH X 14'LONG) 624(B)	GATES-STYLE WWF (4.5'HIGH X 16'LONG) 624(B)	FENCE-STYLE SWF (5 BARBED WIRE) 624(C)
	LT	RT	LF	LF	EA	EA	LF
	996+25.00 TO 1007+48.63	X		1118.95		1.00	
996+25.00 TO 1014+78.30		X	2029.64		1.00		1878.00
1015+41.43 TO 1028+39.46		X	1334.85				1322.00
1028+75.33 TO 1031+63.12		X	1201.59				294.00
1034+81.80 TO 1066+42.80		X	4209.07	2.00	1.00		3028.00
1069+05.30 TO 1076+40.80		X	2730.80		1.00		811.00
1076+80.14 TO 1080+67.24		X	0.00	393.00			
1085+87.62 TO 1093+23.47	X		738.39				728.00
1086+40.72 TO 1093+19.67		X	746.09				686.00
TOTALS			14109.38	393.00	4.00	2.00	9870.00

* FOR INFORMATION ONLY. COST OF REMOVAL OF FENCE IS TO BE INCLUDED IN PAY ITEM "REMOVAL OF STRUCTURES & OBSTRUCTIONS".

STAGE	SHEET ESTIMATE	NO. OF ESTIMATES	STATION TO STATION	UNCLASSIFIED EXCAVATION	ROCK EXCAVATION	EMBANKMENT +15%	EXCESS EXCAVATION
				202(A)	202(C)		
				CY	CY	CY	CY
1	1	3,4	995+00.00 TO 1012+00.00	9,697.00	0.00	3,265.00	3,541.00
	2	1,3	1012+00.00 TO 1068+00.00	37,286.00	38,979.00	79,058.00	0.00
	3	2,4	1068+00.00 TO 1108+00.00	15,953.00	22,633.00	38,684.00	0.00
2	4		999+00.00 TO 1010+00.00	653.00	0.00	0.00	653.00
	5		1084+00.00 TO 1101+00.00	1,447.00	0.00	0.00	1,447.00
3	6		995+00.00 TO 1108+00.00	44,436.00	6,390.00	1,078.00	49,748.00
TOTALS				109,472.00	68,002.00	122,085.00	55,389.00

NOTES:
1. AN ADDITIONAL 4,200 CY HAS BEEN ADDED TO STAGE 1, SHEET 2 EMBANKMENT NEED FOR SETTLEMENT CORRECTION IN SPECIAL EMBANKMENT AREA #1 DESCRIBED IN NOTE SP-7 ON SHEET NO. 6
2. AN ADDITIONAL 2,450 CY HAS BEEN ADDED TO STAGE 1, SHEET 3 EMBANKMENT NEED FOR SETTLEMENT CORRECTION IN SPECIAL EMBANKMENT AREA #2 DESCRIBED IN NOTE SP-7 ON SHEET NO. 6
3. 2,793 CY OF EXCESS EXCAVATION FROM STAGE 1, SHEET 1 IS TO BE UTILIZED IN STAGE 1, SHEET 2 TO ELIMINATE ANY BORROW MATERIAL.
4. 98 CY OF EXCESS EXCAVATION FROM STAGE 1, SHEET 1 IS TO BE UTILIZED IN STAGE 1, SHEET 3 TO ELIMINATE ANY BORROW MATERIAL.

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