LSR7 BAILEY ROAD MIDDLE SCHOOL (EAST TRAILS)

FUTURE STREET IMPROVEMENTS TO CAPE DRIVE

ENGINEER'S ESTIMATE OF PROBABLE COST PREPARED BY OLSSON PL2021114 JUNE 27, 2024



Project #: 020-0103

LAYOUT	DESCRIPTION	Quantity	Unit	Unit Cost		Subtotal	
LAYOUT							
CLEARING AND GRUBBING 1.1 AC \$7,500 \$8,250 EMBANKMENT 3570 CY \$18 \$64,260 CURB AND GUTTER 1290 LF \$25 \$32,250 ASPHALT PAVEMENT 2277 SY \$62 \$141,153 SIDEWALK 6470 SF \$5 \$32,350 STREET LIGHTS 4 EA \$3,500 \$14,000 LECT/COMM DISTRIBUTION 1 LS \$26,000 \$26,000 LANDSCAPING 1 LS \$9,800 \$9,800 STRIPING SIGNAGE 1 LS \$9,500 \$118,750 SKOLDIAL 1 LS \$9,500 \$118,750 STRIPING SIGNAGE 1 LS <	TRAFFIC CONTROL AND PROJECT	1	LS	\$22,000	\$	22,000	
EMBANKMENT	LAYOUT						
CURB AND GUTTER	CLEARING AND GRUBBING	1.1	AC	\$7,500	\$	8,250	
ASPHALT PAVEMENT	EMBANKMENT	3570	CY		\$	64,260	
SIDEWALK	CURB AND GUTTER	1290	LF	\$25	\$	32,250	
STREET LIGHTS	ASPHALT PAVEMENT	2277	SY	\$62	\$	141,153	
ELECT/COMM DISTRIBUTION	SIDEWALK	6470	SF	\$5	\$	32,350	
LANDSCAPING	STREET LIGHTS	4	EA	\$3,500	\$	14,000	
STRIPING SIGNAGE	ELECT/COMM DISTRIBUTION	1	LS	\$26,000	\$	26,000	
Subtotal \$ 352,863	LANDSCAPING	1	LS	\$9,800	\$	9,800	
Subtotal \$ 352,863	STRIPING SIGNAGE	1	LS	\$2,800	\$	2,800	
DUAL 10x5 RCB				Subtotal	\$	352,863	
5x5 CURB INLET 2 EA \$6,500 \$ 13,000 5' DIA MANHOLE 2 EA \$4,500 \$ 9,000 42" RCP 212 LF \$95 \$ 20,140 15" RCP 38 LF \$70 \$ 2,660 WATER LINE CONNECTION TO EXISTING WATER MAIN 1 EA \$500 \$ 500 8" DIP WATERLINE 515 LF \$46 \$ 23,690 HYDRANT ASSEMBLIES 2 EA \$2,200 \$ 4,400 BENDS 10 EA \$190 \$ 1,900 THURST BLOCK 10 EA \$170 \$ 1,700 20" STEEL CASING PIPE 36 LF \$150 \$ 5,400 SANITARY CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$ 10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$ 920 12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SD	STORMWATER						
5' DIA MANHOLE 2 EA \$4,500 \$9,000 42" RCP 212 LF \$95 \$20,140 15" RCP 38 LF \$70 \$2,660 WATER LINE CONNECTION TO EXISTING WATER MAIN 1 EA \$500 \$500 8" DIP WATERLINE 515 LF \$46 \$23,690 HYDRANT ASSEMBLIES 2 EA \$2,200 \$4,400 BENDS 10 EA \$190 \$1,900 THURST BLOCK 10 EA \$170 \$1,700 20" STEEL CASING PIPE 36 LF \$150 \$5,400 SUBIOTATE CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$920 12" PVC (SDR 26) 98 LF \$80 \$7,840 CONCRETE ENCASEMENT 132 LF \$175 \$23,100 CONCRETE ENCASEMENT <td>DUAL 10x5 RCB</td> <td>125</td> <td>LF</td> <td>\$950</td> <td>\$</td> <td>118,750</td>	DUAL 10x5 RCB	125	LF	\$950	\$	118,750	
42" RCP	5x5 CURB INLET	2	EA	\$6,500	\$	13,000	
15" RCP	5' DIA MANHOLE	2	EA	\$4,500	\$	9,000	
Subtotal \$ 163,550	42" RCP	212	LF	\$95	\$	20,140	
WATER LINE	15" RCP	38	LF	\$70	\$	2,660	
CONNECTION TO EXISTING WATER MAIN 1 EA \$500 \$500 8" DIP WATERLINE 515 LF \$46 \$23,690 HYDRANT ASSEMBLIES 2 EA \$2,200 \$4,400 BENDS 10 EA \$190 \$1,900 THURST BLOCK 10 EA \$170 \$1,700 20" STEEL CASING PIPE 36 LF \$150 \$5,400 Subtotal \$37,590 SANITARY CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$920 12" DIP (CLASS 50) 132 LF \$175 \$23,100 12" PVC (SDR 26) 98 LF \$80 \$7,840 CONCRETE ENCASEMENT 132 LF \$175 \$23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$3,000 Subtotal \$67,960 \$4,500 \$4,500				Subtotal	\$	163,550	
8" DIP WATERLINE 515 LF \$46 \$ 23,690 HYDRANT ASSEMBLIES 2 EA \$2,200 \$ 4,400 BENDS 10 EA \$190 \$ 1,900 THURST BLOCK 10 EA \$170 \$ 1,700 20" STEEL CASING PIPE 36 LF \$150 \$ 5,400 SUBIOTALIE SANITARY CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$ 10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$ 920 12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL	WATER LINE						
HYDRANT ASSEMBLIES 2	CONNECTION TO EXISTING WATER MAIN	1	EA	\$500	\$	500	
BENDS	8" DIP WATERLINE	515	LF	\$46	\$	23,690	
THURST BLOCK 10 EA \$170 \$ 1,700 20" STEEL CASING PIPE 36 LF \$150 \$ 5,400 Subtotal \$ 37,590 SANITARY CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$ 10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$ 920 12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$ 4,500	HYDRANT ASSEMBLIES	2	EA	\$2,200	\$	4,400	
STEEL CASING PIPE 36	BENDS	10	EA	\$190	\$	1,900	
Subtotal \$ 37,590	THURST BLOCK	10	EA	\$170	\$	1,700	
SANITARY CONNECTION TO SUBDIVISION TO THE EAST STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$ 10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$ 920 12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL \$ 4,500	20" STEEL CASING PIPE	36	LF	\$150	\$	5,400	
STANDARD 4' DIAMETER MANHOLE (8 FT) 2 EA \$5,000 \$ 10,000 EXTRA DEPTH MANHOLE 4 LF \$230 \$ 920 12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$ 4,500				Subtotal	\$	37,590	
EXTRA DEPTH MANHOLE 4 LF \$230 \$920 12" DIP (CLASS 50) 132 LF \$175 \$23,100 12" PVC (SDR 26) 98 LF \$80 \$7,840 CONCRETE ENCASEMENT 132 LF \$175 \$23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$3,000 Subtotal \$67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$4,500	SANITARY CONNECTION TO SUBDIVISION TO THE EAST						
12" DIP (CLASS 50) 132 LF \$175 \$ 23,100 12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$ 4,500	STANDARD 4' DIAMETER MANHOLE (8 FT)	2	EA	\$5,000	\$	10,000	
12" PVC (SDR 26) 98 LF \$80 \$ 7,840 CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL 1 LS \$4,500 \$ 4,500	EXTRA DEPTH MANHOLE	4	LF	\$230	\$	920	
CONCRETE ENCASEMENT 132 LF \$175 \$ 23,100 CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$ 3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL \$ 4,500 \$ 4,500	12" DIP (CLASS 50)	132	LF	\$175	\$	23,100	
CONNECTION TO EXISTING MANHOLE 1 EA \$3,000 \$3,000 Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$4,500	12" PVC (SDR 26)	98	LF	\$80	\$	7,840	
Subtotal \$ 67,960 EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$ 4,500	CONCRETE ENCASEMENT	132	LF	\$175	\$	23,100	
EROSION AND SEDIMENT CONTROL EROSION CONTROL 1 LS \$4,500 \$4,500	CONNECTION TO EXISTING MANHOLE	1	EA	\$3,000	\$	3,000	
EROSION CONTROL 1 LS \$4,500 \$ 4,500				Subtotal		67,960	
EROSION CONTROL 1 LS \$4,500 \$ 4,500	EROSION AND SEDIMENT CONTROL						
		1			\$	4,500	
		•		Subtotal		4,500	



TOTAL PROBABLE COST \$ 626,463