

Appendix G

Alternative Construction Costs

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	Route 1		Route 2		Route 4		Route 2-3-1	
48-inch pipe @ \$1,200/LF	9,198	11,037,600	8,986	10,783,200	8,363	10,869,600	9,065	10,878,000
Relief Sewer MHs @ 400 ft spacing	23	575,000	23	575,000	21	525,000	23	575,000
EGA Lift Station Force Main	14,285	2,642,725	14,285	2,642,725	14,285	2,642,725	14,285	2,642,725
LSE Force Main	3,080	462,000	3,080	462,000	3,080	462,000	3,080	462,000
12-inch EGA Gravity Sewer MHs	5	125,000	5	125,000	5	125,000	5	125,000
12-inch EGA Gravity Sewer	1,615	403,750	1,615	403,750	1,615	403,750	1,615	403,750
Larger Trunk Sewer MHs	9	225,000	9	225,000	9	225,000	9	225,000
Larger Trunk Sewer	421	252,600	421	252,600	421	252,600	421	252,600
Larger Trunk Sewer	2,792	2,094,000	2,792	2,094,000	2,792	2,094,000	2,792	2,094,000
EGA Lift Station	1	1,100,000	1	1,100,000	1	1,100,000	1	1,100,000
Sub-Total:		18,917,675		18,663,275		18,699,675		18,758,075
Engineering, Legal & Administrative (30%)		5,675,303		5,598,983		5,609,903		5,627,423
Grand Total:		24,592,978		24,262,258		24,309,578		24,385,498

\$Unit/MH	\$25,000
\$Unit/LF Relief	\$1,200
\$Unit/LF EGA FM	\$185
\$Unit/Relief MH	\$25,000
\$Unit/LSE FM	\$150
\$Unit/EGA Gravity Sewer MHs	\$25,000
\$Unit/EGA Gravity Sewer	\$250
\$Unit/Larger Trunk Sewer MHs	\$25,000
\$Unit/24-inch Trunk Sewer	\$600
\$Unit/27-inch Trunk Sewer	\$750
EGA Lift Station/each	\$1,100,000

Reduction
Length
3,293

Ranking Construction Cost	Length	Sewer	MHs @ 400 ft spacing	Manhole	Total
Route 1	5,905	\$7,086,000	15	375,000	\$7,461,000
Route 2	5,693	\$6,831,600	15	375,000	\$7,206,600
Route 4	5,070	\$6,918,000	13	325,000	\$7,243,000
Hybrid 2-3-1	5,772	\$6,926,400	15	375,000	\$7,301,400

Access road maintenance: \$30/LF over 2,000 LF every 5 years