

TABLE 9-2

ESTIMATED SEWER COSTS PER SEWERSHED

Sewershed	Est Capt Cost 2007	Estimated O&M	O&M Present Value	Total Present Worth (Capital and O&M)
1	\$ 2,300,000.00	\$ 15,000	\$ 223,000.00	\$ 2,520,000.00
2	\$ 5,000,000.00	\$ 19,000	\$ 283,000.00	\$ 5,280,000.00
3	\$ 7,800,000.00	\$ 22,000	\$ 327,000.00	\$ 8,130,000.00
4	\$ 2,200,000.00	\$ 15,000	\$ 223,000.00	\$ 2,420,000.00
5	\$ 1,400,000.00	\$ 14,000	\$ 208,000.00	\$ 1,610,000.00
6	\$ 2,300,000.00	\$ 15,000	\$ 223,000.00	\$ 2,520,000.00
7	\$ 4,300,000.00	\$ 19,000	\$ 283,000.00	\$ 4,580,000.00
8	\$ 2,000,000.00	\$ 15,000	\$ 223,000.00	\$ 2,220,000.00
9	\$ 2,300,000.00	\$ 15,000	\$ 223,000.00	\$ 2,520,000.00
10	\$ 2,000,000.00	\$ 15,000	\$ 223,000.00	\$ 2,220,000.00
11	\$ 4,500,000.00	\$ 19,000	\$ 283,000.00	\$ 4,780,000.00
12	\$ 2,800,000.00	\$ 16,000	\$ 238,000.00	\$ 3,040,000.00
13	\$ 3,000,000.00	\$ 17,000	\$ 253,000.00	\$ 3,250,000.00
14	\$ 3,700,000.00	\$ 18,000	\$ 268,000.00	\$ 3,970,000.00
15	\$ 2,600,000.00	\$ 16,000	\$ 238,000.00	\$ 2,840,000.00
16	\$ 2,200,000.00	\$ 15,000	\$ 223,000.00	\$ 2,420,000.00
17	\$ 4,400,000.00	\$ 19,000	\$ 283,000.00	\$ 4,680,000.00
18	\$ 1,800,000.00	\$ 15,000	\$ 223,000.00	\$ 2,020,000.00
19	\$ 3,700,000.00	\$ 17,000	\$ 253,000.00	\$ 3,950,000.00
20	\$ 8,300,000.00	\$ 25,000	\$ 372,000.00	\$ 8,670,000.00
21	\$ 1,800,000.00	\$ 15,000	\$ 223,000.00	\$ 2,020,000.00
22	\$ 3,500,000.00	\$ 18,000	\$ 268,000.00	\$ 3,770,000.00
23	\$ 3,000,000.00	\$ 16,000	\$ 238,000.00	\$ 3,240,000.00
24	\$ 3,000,000.00	\$ 16,000	\$ 238,000.00	\$ 3,240,000.00
25	\$ 2,700,000.00	\$ 15,000	\$ 223,000.00	\$ 2,920,000.00
26	\$ 2,000,000.00	\$ 15,000	\$ 223,000.00	\$ 2,220,000.00
27	\$ 3,300,000.00	\$ 17,000	\$ 253,000.00	\$ 3,550,000.00
28	\$ 2,800,000.00	\$ 16,000	\$ 238,000.00	\$ 3,040,000.00
29	\$ 1,000,000.00	\$ 13,000	\$ 193,000.00	\$ 1,190,000.00
30	\$ 5,300,000.00	\$ 19,000	\$ 283,000.00	\$ 5,580,000.00
31	\$ 3,900,000.00	\$ 19,000	\$ 283,000.00	\$ 4,180,000.00
32	\$ 1,000,000.00	\$ 13,000	\$ 193,000.00	\$ 1,190,000.00
33	\$ 1,500,000.00	\$ 14,000	\$ 208,000.00	\$ 1,710,000.00
34	\$ 3,700,000.00	\$ 17,000	\$ 253,000.00	\$ 3,950,000.00
35	\$ 2,600,000.00	\$ 15,000	\$ 223,000.00	\$ 2,820,000.00
36	\$ 2,200,000.00	\$ 15,000	\$ 223,000.00	\$ 2,420,000.00
37	\$ 7,000,000.00	\$ 23,000	\$ 342,000.00	\$ 7,340,000.00
38	\$ 2,500,000.00	\$ 16,000	\$ 238,000.00	\$ 2,740,000.00
39	\$ 2,800,000.00	\$ 16,000	\$ 238,000.00	\$ 3,040,000.00
40	\$ 2,500,000.00	\$ 16,000	\$ 238,000.00	\$ 2,740,000.00
41	\$ 2,800,000.00	\$ 16,000	\$ 238,000.00	\$ 3,040,000.00
42	\$ 1,300,000.00	\$ 14,000	\$ 208,000.00	\$ 1,510,000.00
43	\$ 7,700,000.00	\$ 23,000	\$ 342,000.00	\$ 8,040,000.00
44	\$ 3,800,000.00	\$ 18,000	\$ 268,000.00	\$ 4,070,000.00
45	\$ 1,400,000.00	\$ 14,000	\$ 208,000.00	\$ 1,610,000.00
46	\$ 3,800,000.00	\$ 19,000	\$ 283,000.00	\$ 4,080,000.00
47	\$ 1,500,000.00	\$ 14,000	\$ 208,000.00	\$ 1,710,000.00
48	\$ 1,900,000.00	\$ 14,000	\$ 208,000.00	\$ 2,110,000.00
49	\$ 1,500,000.00	\$ 14,000	\$ 208,000.00	\$ 1,710,000.00
50	\$ 4,500,000.00	\$ 19,000	\$ 283,000.00	\$ 4,780,000.00
51	\$ 4,000,000.00	\$ 18,000	\$ 268,000.00	\$ 4,270,000.00
52	\$ 2,300,000.00	\$ 15,000	\$ 223,000.00	\$ 2,520,000.00
53	\$ 3,900,000.00	\$ 18,000	\$ 268,000.00	\$ 4,170,000.00
54	\$ 1,700,000.00	\$ 14,000	\$ 208,000.00	\$ 1,910,000.00
55	\$ 1,500,000.00	\$ 14,000	\$ 208,000.00	\$ 1,710,000.00
56	\$ 4,700,000.00	\$ 19,000	\$ 283,000.00	\$ 4,980,000.00
57	\$ 1,300,000.00	\$ 14,000	\$ 208,000.00	\$ 1,510,000.00
58	\$ 700,000.00	\$ 13,000	\$ 193,000.00	\$ 890,000.00
59	\$ 3,300,000.00	\$ 17,000	\$ 253,000.00	\$ 3,550,000.00
60	\$ 1,200,000.00	\$ 14,000	\$ 208,000.00	\$ 1,410,000.00
61	\$ 2,800,000.00	\$ 17,000	\$ 253,000.00	\$ 3,050,000.00
62	\$ 1,800,000.00	\$ 15,000	\$ 223,000.00	\$ 2,020,000.00
63	\$ 1,500,000.00	\$ 14,000	\$ 208,000.00	\$ 1,710,000.00
64	\$ 1,200,000.00	\$ 14,000	\$ 208,000.00	\$ 1,410,000.00
65	\$ 1,000,000.00	\$ 13,000	\$ 193,000.00	\$ 1,190,000.00
66	\$ 4,900,000.00	\$ 21,000	\$ 312,000.00	\$ 5,210,000.00
67	\$ 1,200,000.00	\$ 14,000	\$ 208,000.00	\$ 1,410,000.00
68	\$ 1,100,000.00	\$ 13,000	\$ 193,000.00	\$ 1,290,000.00
69	\$ 800,000.00	\$ 13,000	\$ 193,000.00	\$ 990,000.00
70	\$ 800,000.00	\$ 13,000	\$ 193,000.00	\$ 990,000.00
71	\$ 2,600,000.00	\$ 16,000	\$ 238,000.00	\$ 2,840,000.00
72	\$ 1,000,000.00	\$ 13,000	\$ 193,000.00	\$ 1,190,000.00
73	\$ 5,900,000.00	\$ 22,000	\$ 327,000.00	\$ 6,230,000.00
74	\$ 1,300,000.00	\$ 14,000	\$ 208,000.00	\$ 1,510,000.00
75	\$ 2,300,000.00	\$ 16,000	\$ 238,000.00	\$ 2,540,000.00
76	\$ 900,000.00	\$ 13,000	\$ 193,000.00	\$ 1,090,000.00
77	\$ 1,700,000.00	\$ 15,000	\$ 223,000.00	\$ 1,920,000.00
78	\$ 1,400,000.00	\$ 14,000	\$ 208,000.00	\$ 1,610,000.00
79	\$ 1,000,000.00	\$ 13,000	\$ 193,000.00	\$ 1,190,000.00
80	\$ 900,000.00	\$ 13,000	\$ 193,000.00	\$ 1,090,000.00
CTE-1	\$ 2,800,000.00	\$ 6,000	\$ 89,000.00	\$ 2,890,000.00
CTE-2	\$ 2,700,000.00	\$ 6,000	\$ 89,000.00	\$ 2,790,000.00
CTE-3	\$ 1,700,000.00	\$ 2,000	\$ 30,000.00	\$ 1,730,000.00
CTE-4	\$ 2,100,000.00	\$ 2,000	\$ 30,000.00	\$ 2,130,000.00
CTE-5	\$ 3,300,000.00	\$ 4,000	\$ 60,000.00	\$ 3,360,000.00
CTE-6	\$ 1,700,000.00	\$ 2,000	\$ 30,000.00	\$ 1,730,000.00
CTE-7	\$ 2,100,000.00	\$ 2,000	\$ 30,000.00	\$ 2,130,000.00
CTE-8	\$ 1,900,000.00	\$ 6,000	\$ 89,000.00	\$ 1,990,000.00
CTE-9	\$ 3,800,000.00	\$ 5,000	\$ 74,000.00	\$ 3,870,000.00
CTE-10	\$ 5,900,000.00	\$ 12,000	\$ 179,000.00	\$ 6,080,000.00
CTE-11	\$ 1,700,000.00	\$ 2,000	\$ 30,000.00	\$ 1,730,000.00
CTE-12	\$ 1,800,000.00	\$ 6,000	\$ 89,000.00	\$ 1,890,000.00
CTE-13	\$ 1,900,000.00	\$ 2,000	\$ 30,000.00	\$ 1,930,000.00
CTE-14	\$ 2,800,000.00	\$ 15,000	\$ 223,000.00	\$ 3,020,000.00
Total	\$ 250,000,000.00	\$ 1,400,000.00	\$ 20,000,000.00	\$ 270,000,000.00

Note:

- All costs are referenced to construction in May 2007 based on Engineering News Record (ENR) index of 7942. Costs must be increased by a ratio of the appropriate ENR indices for construction costs in subsequent years.
- Record drawings, erosion control, and final site clean based on lump sum cost of \$15,000 per sewershed.
- Trench work (gravity, low pressure and force mains) in town roads to include: excavation, backfill, and traffic control. State Roads also include control density fill (CDF).
- Dewatering based on 50% length of all mains over 15 feet deep.
- Gravity service lateral based on \$50 per foot based on approximately 14 feet to property line (on average).
- Lift stations are based on Gormann-Rupp suction pump stations with generator and instrumentation.
- Cost of grinder pumps based on quote from E-1. Large scale purchases may be a reduction in unit cost.
- Low pressure lateral based on \$34 per lf and average distance of 80 feet with \$275 per connection.
- Trench width based on the following:
 - 6 feet for low pressure, force mains, and gravity mains less than 12' deep
 - 12 feet for gravity mains greater than 12 feet deep
- Full width overlay based on 27 foot wide right of way.
- Misc. paving items to include aprons, saw-cutting, curb repair and other contingencies.
- Estimated Project Cost does not include utility relocation (stormwater drains and other).
- Estimated Project Cost does not include allowance for hazardous waste removal.
- Pump station cost based on a basic architectural design. Custom modification to architectural appearance will increase the cost.