

10.0 IMPLEMENTATION AND FUNDING

10.1 IMPLEMENTATION

The City and the community maintain responsibility for implementing the recommended improvements. ADOT&PF and the City retain authority over expansions within the boundaries of the airport.

10.2 SUMMARY OF PROJECT PRIORITIES

It is important that the proposed water and wastewater improvements be given a high priority by the City and its residents if these projects are to be eligible for state and federal grants and funding. As a practical matter, it would be exceedingly difficult to undertake the proposed improvements all at once. A project priority listing should be prepared annually by the City. This resolution will be submitted, along with the funding grant request, to appropriate state and federal agencies for consideration in prioritizing funding for each fiscal year.

Appendix D provides a recommended conceptual schedule for future water and wastewater projects. This schedule is not meant to serve as a compulsory timeline for construction projects, but rather is meant to serve as a guideline for future planning efforts.

10.3 FUNDING SOURCES

Currently, homeowners contribute 50 percent of the capital costs for expansion of the water and sewer systems, with the remaining 50 percent paid for by the Homer Accelerated Water and Sewer Program. This program does not apply to subdivisions formed after June 28, 1999. Future capital costs will likely be funded primarily (or completely) by homeowners in their respective Local Improvement District.

Potential funding for future public water and sewer projects in the State of Alaska include, but may not be limited to:

- ADEC grants and/or revolving loan funds. The interest rate for revolving loan funds is currently set at an annual rate of 2.5 percent for water, and 1.5 percent for wastewater.
- ADOT&PF.
- Alaska Legislative Direct Appropriation Grant(s).
- Municipal Bond Issue (includes the Alaska Municipal Bond Bank and Private Sector Bonding).
- Rural Utilities Service (RUS) Water and Environmental Programs (administered by the U.S. Department of Agriculture). These include federal grant/loan programs, including Farmer's Home Administration programs available to communities with fewer than 10,000 residents. Low interest loans are made available for water and waste disposal systems. Public bodies and not-for-profit corporations are eligible. Funds may also be used for solid waste disposal and storm drainage systems, as well as training. Some applicants may qualify for grant funds to supplement a loan. U.S.

Department of Agriculture Rural Development staff in Alaska can be contacted at (907) 761-7705.

- The U.S. Environmental Protection Agency and RUS provide funding to organizations that provide training and technical assistance to small water systems. These organizations include the National Rural Water Association, the Rural Community Assistance Program, and the National Drinking Water Clearinghouse.

10.4 PERMITS AND APPROVALS

There are several permits and approvals that would be required prior to the construction of the recommended facilities. These permits and approvals include, but may not be limited to:

- ADEC plan review, approval to construct and operate water and sewer improvements;
- ADNR approval for construction activities that cross streams and other water bodies;
- ADOT&PF approval for work in state rights-of-way (ROWs) and road crossings;
- Federal Aviation Administration (FAA) approval for work in the boundaries of the airport and its vicinity;
- USACE permits for work in shorelines or wetlands;
- Section 401 Water Quality Certification;
- Easements from individual property owners and public agencies;
- Archeological clearance from SHPO;
- Coastal Zone Consistency Determination; and
- Water rights from ADNR.

If there were work on the outfall at a location in tidal and submerged lands in Kachemak Bay, an Alaska Department of Fish and Game (ADF&G) Special Area Use Permit may be required, in addition to authorization by the USACE. Work would need to be determined consistent with the Alaska Coastal Management Program.

If impoundments are established in either Twitter Creek or Fritz Creek, the impoundments will be subject to authorizations granted by the ADNR Dam Safety Program to construct and operate the facilities. Establishment of a reservoir would also require acquisition of water rights and Fish Habitat Protection permits from ADNR.

A pipeline from a new reservoir to the existing WTP could require:

- ADEC plan review, and approval to construct and operate water and sewer improvements;
- ADNR approval for construction activities that cross streams and other water bodies;
- ADOT&PF approval for work in state ROWs and road crossings;
- FAA approval for work in the boundaries of the airport and its vicinity;

- USACE permits for work in shorelines or wetlands;
- Section 401 Water Quality Certification;
- Easements from individual property owners and public agencies; and
- Archeological clearance from SHPO.

Depending on the permitting approach adopted for the project, several activities could be covered by a single permit or consistency review.

Any work performed under a grant/loan program would require approval from the agency funding the program. The City should ensure that no subsurface or ROW conflicts exist prior to construction. All water and sewer installations will require utility locates before the final design and construction of the proposed improvements. The City does not require building permits for the construction of public utilities. The City does not have a zoning program, although it is in the process of developing one. The design of future facilities should take into account any future regulations, or changes to general permits.

APPENDIX D

**Proposed Capital Improvement
Program Schedule**

City of Homer Conceptual CIP Schedule

ID	Phase	Task Name	Duration	Start	Finish	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026							
1	1	Water Supply	7149 days?	Tue 6/6/06	Wed 12/31/25		▶																											
2	1.1	Twitter Creek/Bridge Creek hydrology study	1670 days?	Tue 6/6/06	Fri 12/31/10		█																											
3	1.2	Twitter Creek impoundment	4018 days?	Thu 1/1/15	Wed 12/31/25											█																		
4	1.3	Twitter Creek pump station (and power requirements)	4018 days?	Thu 1/1/15	Wed 12/31/25											█																		
5	1.4	Twitter Creek water main (16,000 to 18,500 LF)	4018 days?	Thu 1/1/15	Wed 12/31/25											█																		
6																																		
7	2	Water Treatment Plant	3287 days?	Sun 1/1/06	Wed 12/31/14		▶																											
8		Upgrades to meet Year 2005 Demands	1461 days?	Sun 1/1/06	Thu 12/31/09		█																											
9		Upgrades to meet Year 2025 Demands	1461 days?	Sat 1/1/11	Wed 12/31/14							█																						
10																																		
11	3	Water Storage	5844 days?	Mon 1/1/07	Sat 12/31/22		▶																											
12	3.1	New 1 MG Storage Tank	731 days	Mon 1/1/07	Wed 12/31/08		█																											
13	3.2	New 1 MG Storage Tank	730 days?	Thu 1/1/09	Fri 12/31/10				█																									
14	3.3	New 1 MG Storage Tank	731 days?	Thu 1/1/15	Sat 12/31/16											█																		
15	3.4	New 1 MG Storage Tank	730 days?	Fri 1/1/21	Sat 12/31/22																█													
16																																		
17	4	Water R&R	6940 days?	Mon 1/1/07	Wed 12/31/25		▶																											
18	4.4	West Trunk Replacement (WTP to Meadows Ave)	2192 days?	Wed 1/1/20	Wed 12/31/25																█													
19	4.5	4-inch and 6-inch main replacements	6940 days?	Mon 1/1/07	Wed 12/31/25		█																											
20																																		
21	5	Water System Expansions	7149 days?	Tue 6/6/06	Wed 12/31/25		▶																											
22	5.1	West Hill Road / Jeffery Avenue Extension	366 days	Tue 1/1/08	Wed 12/31/08			█																										
23	5.2	West Hill Road Extensions	365 days	Sat 1/1/11	Sat 12/31/11					█																								
24	5.3	Eagle View Drive and Surrounding	365 days	Tue 12/31/13	Tue 12/30/14																													
25	5.4	East Highland Drive	365 days	Fri 1/1/10	Fri 12/31/10																													
26	5.5	Garden Park Drive & Highland Drive (Partial)	365 days	Wed 12/31/14	Wed 12/30/15																													
27	5.6	Foothills Subdivision, Lillian Walli Estate, & Saltwater Dr.	365 days	Thu 1/1/15	Thu 12/31/15																													
28	5.7	W. R. Benson's Subdivision	365 days	Tue 1/1/13	Tue 12/31/13																													
29	5.8	Virginia Lyn Subdivision	365 days	Mon 1/2/12	Mon 12/31/12																													
30	5.9	East Hill Road to Mountain View Drive Extension	365 days	Wed 1/2/08	Wed 12/31/08																													
31	5.10	Shellfish / Kallman	365 days	Thu 1/1/09	Thu 12/31/09																													
32	5.11	Forget Me Not Lane / Paintbrush	731 days	Mon 1/1/07	Wed 12/31/08		█																											
33	5.12	N. East Hill Road / Cottonwood Dr.	365 days	Mon 1/1/18	Mon 12/31/18																													
34	5.13	Mission Avenue	731 days?	Thu 1/1/15	Sat 12/31/16																													
35	5.14	Scenic View Dr. & Other	730 days?	Sun 1/1/17	Mon 12/31/18																													
36	5.15	Sterling Highway (Lake St. to Greatland St.) & Misc.	365 days	Sun 1/1/12	Sun 12/30/12																													
37	5.16	Kachemak Drive	574 days	Tue 6/6/06	Mon 12/31/07		█																											
38	5.17	Parson / Cape Douglas	1096 days	Mon 1/1/18	Thu 12/31/20																													
39	5.18	Tietjen Subdivision	1096 days	Tue 1/1/19	Fri 12/31/21																													
40	5.19	Spencer Drive / Larry Lane	730 days	Wed 1/1/20	Thu 12/30/21																													
41	5.20	Tulin Terrace Subdivision	730 days	Sat 1/1/22	Sun 12/31/23																													
42	5.21	W. Highland Drive / Sprucewood Dr.	365 days	Sat 1/1/22	Sat 12/31/22																													
43	5.22	Sterling Highway	365 days	Sun 1/1/23	Sun 12/31/23																													
44	5.23	W. Sterling Highway / W. Rogers Loop	366 days	Mon 1/1/24	Tue 12/31/24																													
45	5.24	Mount Augustine Subdivision	365 days	Mon 1/1/24	Mon 12/30/24																													
46	5.25	Kachemak City	731 days	Mon 1/1/24	Wed 12/31/25																													
47	5.26	Skyline Drive	731 days	Mon 1/1/24	Wed 12/31/25																													
48	5.27	South Peninsula Hospital Main	731 days?	Mon 1/1/07	Wed 12/31/08		█																											
49	5.28	Install Additional Hydrants	574 days?	Tue 6/6/06	Mon 12/31/07		█																											
50	5.29	Fire Flow Improvements - High School	730 days?	Sun 1/1/17	Mon 12/31/18																													
51																																		

City of Homer Conceptual CIP Schedule

ID	Phase	Task Name	Duration	Start	Finish	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026			
52	6	Wastewater Treatment Plant	2035 days?	Tue 6/6/06	Sat 12/31/11		▶																							
53		Offline Equilization Basin	1670 days?	Tue 6/6/06	Fri 12/31/10		▶																							
54		Sludge Dewatering	1670 days?	Tue 6/6/06	Fri 12/31/10		▶																							
55		Capacity Upgrade	1461 days?	Tue 1/1/08	Sat 12/31/11				▶																					
56																														
57	7	Sewer R&R	3653 days?	Fri 1/1/16	Wed 12/31/25												▶													
58	7.2	Sterling Highway (Soundview / Thomas)	1826 days?	Fri 1/1/21	Wed 12/31/25																									
59	7.3	Sterling Highway (Thomas St. to Waddell)	1827 days?	Fri 1/1/16	Thu 12/31/20																									
60	7.4	Bunnell Ave. (Greatland to Beluga)	1826 days?	Fri 1/1/21	Wed 12/31/25																									
61	7.5	East line entering WWTP	1827 days?	Fri 1/1/16	Thu 12/31/20																									
62	7.6	Mattox Road to Lake Street	1826 days?	Fri 1/1/21	Wed 12/31/25																									
63	7.7	East trunk to WWTP	1826 days?	Fri 1/1/21	Wed 12/31/25																									
64	7.8	Ocean Drive	1826 days?	Fri 1/1/21	Wed 12/31/25																									
65																														
66	8	Sewer Expansions	7305 days?	Sun 1/1/06	Wed 12/31/25	▶																								
67	8.1	West Hill Road (Middle)	365 days	Mon 1/1/07	Mon 12/31/07																									
68	8.2	Tundra Rose Road to West Hill Rd. / Highland Dr.	365 days	Tue 1/1/08	Tue 12/30/08																									
69	8.3	West Hill Road (Upper)	365 days	Wed 12/31/08	Wed 12/30/09																									
70	8.4	West Hill Road Extensions	365 days	Sat 1/1/11	Sat 12/31/11																									
71	8.5	Bell Subdivision	730 days	Fri 1/1/10	Sat 12/31/11																									
72	8.6	East Hill Road / Christensen Tracts	1095 days	Thu 1/1/09	Sat 12/31/11																									
73	8.7	Mount Augustine Dr.	730 days	Thu 1/1/09	Fri 12/31/10																									
74	8.8	Sterling Highway (Phase I)	730 days	Sun 1/1/12	Mon 12/30/13																									
75	8.9	Lillian Walli Estate Subdivision	1096 days	Fri 1/1/10	Mon 12/31/12																									
76	8.10	Mattox Subdivision	1096 days	Fri 1/1/10	Mon 12/31/12																									
77	8.11	Benson Subdivision	1096 days	Sat 1/1/11	Tue 12/31/13																									
78	8.12	Kachemak Drive (Phases I-III)	574 days?	Tue 6/6/06	Mon 12/31/07																									
79	8.13	Paradise South Subdivision / Scenic View Estates	365 days	Fri 1/1/16	Fri 12/30/16																									
80	8.14	Mission Road / Eker Estates Subdivision	731 days	Thu 1/1/15	Sat 12/31/16																									
81	8.15	Highland Drive	365 days	Thu 1/1/09	Thu 12/31/09																									
82	8.16	Natalie Woods / Emerald Highland Estates	730 days	Fri 1/1/10	Sat 12/31/11																									
83	8.17	Eagleview Subdivision	730 days	Sun 1/1/12	Mon 12/30/13																									
84	8.18	Mountain Park Subdivision	730 days	Sun 1/1/17	Mon 12/31/18																									
85	8.19	Willow Drive / Spruce Circle to Larkspur Ct.	1461 days	Sat 1/1/11	Wed 12/31/14																									
86	8.20	Bayview Gardens Subdivision	731 days	Thu 1/1/15	Sat 12/31/16																									
87	8.21	East Hill Road	730 days	Sun 1/1/17	Mon 12/31/18																									
88	8.22	Tulin Terrace	730 days	Mon 1/1/18	Tue 12/31/19																									
89	8.23	West Terrace Blvd.	730 days?	Wed 1/1/20	Thu 12/30/21																									
90	8.24	Vineyard Estates	1095 days	Thu 1/1/09	Sat 12/31/11																									
91	8.25	South Slope Rd.	730 days	Sun 1/1/06	Mon 12/31/07																									
92	8.26	East End Road Extensions	1461 days	Sun 1/1/17	Thu 12/31/20																									
93	8.27	Tiejen Subdivision	1460 days	Fri 1/1/16	Mon 12/30/19																									
94	8.28	West Highland Drive	731 days	Tue 1/1/19	Thu 12/31/20																									
95	8.29	Sterling Highway (Phase II)	731 days	Tue 1/1/19	Thu 12/31/20																									
96	8.30	East Rogers Loop	731 days	Sun 1/1/23	Tue 12/31/24																									
97	8.31	Sprucewood Drive	365 days	Fri 1/1/21	Fri 12/31/21																									
98	8.32	Bayridge Road	730 days	Sat 1/1/22	Sun 12/31/23																									
99	8.33	Sterling Highway Phase III	731 days	Sun 1/1/23	Tue 12/31/24																									
100	8.34	Lake St. / Sterling Highway Force Main	731 days	Sun 1/1/23	Tue 12/31/24																									
101	8.36	Scenic Place/Horizon Court	731 days?	Mon 1/1/24	Wed 12/31/25																									
102	8.37	Garden Park Drive (North end)	731 days?	Mon 1/1/24	Wed 12/31/25																									