



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII
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June 18, 2019

Wai'aha Water System - Transmission Improvements Project UPDATE

Scope of Project and Status:

This project will enhance the waterline transmission system in Wai'aha by increasing DWS' ability to transmit water from mauka sources to makai areas in North Kona. Approximately 5,240 linear feet of 16-inch transmission waterline will be installed along Māmalahoa Highway, from Water Pipe Road to Kamila Place. The project includes interconnections to the existing 8-inch waterline and the Wai'aha Well and Reservoir Site, as well as a pressure-reducing valve (PRV) station, fire hydrant assembly, various concrete support structures at stream crossings, and repaving and restriping along the transmission waterline corridor.

As of June 18, 2019 the contractor has begun waterline installation along Mamalahoa Highway near Kamila Place. During construction, one lane of travel will be open at all times. Two lanes of travel will be open between 3:30 p.m. and 8:00 a.m.

General Contractor:

Isemoto Contracting Co., Ltd.

Construction Schedule:

The updated construction schedule is attached.

Project Cost:

Project total cost is \$3,540,878.00.

Contact Information:

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About the Department of Water Supply:

Established in 1949, the Department of Water Supply is a semi-autonomous agency of the County of Hawai'i which operates by rules and regulations as adopted by the Water Board. As a semi-autonomous agency, the Department operates and maintains its water systems with revenues generated wholly through water service to its customers. The primary function of the Department is to provide safe drinking water service through its 23 water systems and 74 sources distributed throughout the island. The individual water systems are independent and separate except for limited connectivity between systems in the areas of South Hilo, Kona, and South Kohala/Hāmākua.

...Water, Our Most Precious Resource ...Ka Wai A Kāne...

The Department of Water Supply is an Equal Opportunity provider and employer.

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Gantt Chart											
							June	July	August	September	October	November	December	January	February	March	April	May
1		WAIAHA WATER SYSTEM IMP. TRANSMISSION	250 days	Tue 5/28/19	Thu 5/28/20		[Gantt bar from June 28, 2019 to May 28, 2020]											
2		Mobilization	5 days	Tue 5/28/19	Mon 6/3/19		[Gantt bar from June 28, 2019 to July 3, 2019]											
3		Erosion Controls	5 days	Tue 5/28/19	Mon 6/3/19		[Gantt bar from June 28, 2019 to July 3, 2019]											
4		Waterline A Sta. 0+00-Sta. 7+00	8 days	Tue 6/4/19	Fri 6/14/19	3	[Gantt bar from June 4, 2019 to June 14, 2019]											
5		Waterline A Sta. 7+00-Sta. 7+45	16 days	Tue 7/9/19	Tue 7/30/19	10	[Gantt bar from July 9, 2019 to July 30, 2019]											
6		Waterline A Sta. 7+45-Sta. 16+00	10 days	Wed 7/31/19	Tue 8/13/19	5	[Gantt bar from July 31, 2019 to August 13, 2019]											
7		Waterline A Sta. 16+00-Sta. 20+74	8 days	Wed 8/14/19	Mon 8/26/19	6	[Gantt bar from August 14, 2019 to August 26, 2019]											
8		Waterline A Sta. 21+69.75-Sta. 23+53.25	10 days	Tue 8/27/19	Tue 9/10/19	7	[Gantt bar from August 27, 2019 to September 10, 2019]											
9		Waterline A Sta. 24+60.75-Sta. 40+22.5	20 days	Wed 9/11/19	Tue 10/8/19	8	[Gantt bar from September 11, 2019 to October 8, 2019]											
10		Waterline A Sta. 41+04.5-Sta. 52+40	15 days	Mon 6/17/19	Mon 7/8/19	4	[Gantt bar from June 17, 2019 to July 8, 2019]											
11		Waterline A-1	5 days	Wed 10/9/19	Tue 10/15/19	9	[Gantt bar from October 9, 2019 to October 15, 2019]											
12		Waterline A-2	6 days	Wed 10/16/19	Wed 10/23/19	11	[Gantt bar from October 16, 2019 to October 23, 2019]											
13		Waterline A-3	3 days	Thu 10/24/19	Mon 10/28/19	12	[Gantt bar from October 24, 2019 to October 28, 2019]											
14		PRV Station	5 days	Tue 10/29/19	Mon 11/4/19	13	[Gantt bar from October 29, 2019 to November 4, 2019]											
15		Fire Hydrant	3 days	Tue 11/5/19	Thu 11/7/19	14	[Gantt bar from November 5, 2019 to November 7, 2019]											
16		Waterline A-5	3 days	Fri 11/8/19	Wed 11/13/19	15	[Gantt bar from November 8, 2019 to November 13, 2019]											
17		Waterline A-6	5 days	Thu 11/14/19	Wed 11/20/19	16	[Gantt bar from November 14, 2019 to November 20, 2019]											
18		Waterline A-7	5 days	Thu 11/21/19	Wed 11/27/19	17	[Gantt bar from November 21, 2019 to November 27, 2019]											
19		Stream Crossing No. 1	30 days	Fri 11/29/19	Mon 1/13/20	18	[Gantt bar from November 29, 2019 to January 13, 2020]											
20		Stream Crossing No. 2	35 days	Tue 1/14/20	Wed 3/4/20	19	[Gantt bar from January 14, 2020 to March 4, 2020]											
21		Stream Crossing No. 3	35 days	Thu 3/5/20	Fri 4/24/20	20	[Gantt bar from March 5, 2020 to April 24, 2020]											
22		A.C. Pavement	8 days	Mon 4/27/20	Wed 5/6/20	21	[Gantt bar from April 27, 2020 to May 6, 2020]											
23		Striping	5 days	Thu 5/21/20	Thu 5/28/20	22FS+10 days	[Gantt bar from May 21, 2020 to May 28, 2020]											

Project: Waiaha Water System Date: 6/17/19	Task		Project Summary		Manual Task		Start-only		Deadline		Manual Progress	
	Split		Inactive Task		Duration-only		Finish-only		Critical			
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Critical Split			
	Summary		Inactive Summary		Manual Summary		External Milestone		Progress			