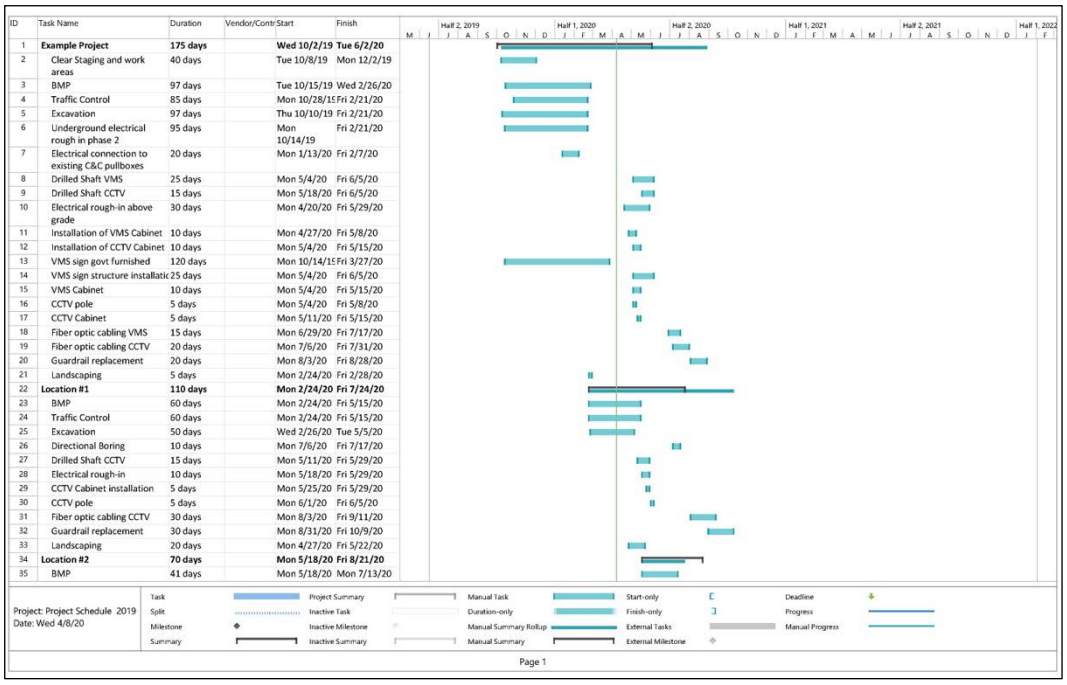
Scheduling



ID	Task Name	Duration	Vendor/Contr	Start	Finish
1	**Example Project**	**175 days**		**Wed 10/2/19**	**Tue 6/2/20**
2	Clear Staging and work areas	40 days		Tue 10/8/19	Mon 12/2/19
3	BMP	97 days		Tue 10/15/19	Wed 2/26/20
4	Traffic Control	85 days		Mon 10/28/19	Fri 2/21/20
5	Excavation	97 days		Thu 10/10/19	Fri 2/21/20
6	Underground electrical rough in phase 2	95 days		Mon 10/14/19	Fri 2/21/20
7	Electrical connection to existing C&C pullboxes	20 days		Mon 1/13/20	Fri 2/7/20
8	Drilled Shaft VMS	25 days		Mon 5/4/20	Fri 6/5/20
9	Drilled Shaft CCTV	15 days		Mon 5/18/20	Fri 6/5/20
10	Electrical rough-in above grade	30 days		Mon 4/20/20	Fri 5/29/20
11	Installation of VMS Cabinet	10 days		Mon 4/27/20	Fri 5/8/20
12	Installation of CCTV Cabinet	10 days		Mon 5/4/20	Fri 5/15/20
13	VMS sign govt furnished	120 days		Mon 10/14/19	Fri 3/27/20
14	VMS sign structure installatic	25 days		Mon 5/4/20	Fri 6/5/20
15	VMS Cabinet	10 days		Mon 5/4/20	Fri 5/15/20
16	CCTV pole	5 days		Mon 5/4/20	Fri 5/8/20
17	CCTV Cabinet	5 days		Mon 5/11/20	Fri 5/15/20
18	Fiber optic cabling VMS	15 days		Mon 6/29/20	Fri 7/17/20
19	Fiber optic cabling CCTV	20 days		Mon 7/6/20	Fri 7/31/20
20	Guardrail replacement	20 days		Mon 8/3/20	Fri 8/28/20
21	Landscaping	5 days		Mon 2/24/20	Fri 2/28/20
22	**Location #1**	**110 days**		**Mon 2/24/20**	**Fri 7/24/20**
23	BMP	60 days		Mon 2/24/20	Fri 5/15/20
24	Traffic Control	60 days		Mon 2/24/20	Fri 5/15/20
25	Excavation	50 days		Wed 2/26/20	Tue 5/5/20
26	Directional Boring	10 days		Mon 7/6/20	Fri 7/17/20
27	Drilled Shaft CCTV	15 days		Mon 5/11/20	Fri 5/29/20
28	Electrical rough-in	10 days		Mon 5/18/20	Fri 5/29/20
29	CCTV Cabinet installation	5 days		Mon 5/25/20	Fri 5/29/20
30	CCTV pole	5 days		Mon 6/1/20	Fri 6/5/20
31	Fiber optic cabling CCTV	30 days		Mon 8/3/20	Fri 9/11/20
32	Guardrail replacement	30 days		Mon 8/31/20	Fri 10/9/20
33	Landscaping	20 days		Mon 4/27/20	Fri 5/22/20
34	**Location #2**	**70 days**		**Mon 5/18/20**	**Fri 8/21/20**
35	BMP	41 days		Mon 5/18/20	Mon 7/13/20

Description

Developing a schedule that includes sequencing of construction activities with the implementation of construction site BMPs to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking as well as ensure construction activities and control practices are performed in accordance with the planned schedule.

Applications

- Proper scheduling shall be used on all projects.

Installation and Implementation Requirements

- The *Storm Water Pollution Prevention Plan (SWPPP)* must include a description of the intended sequence of construction activities, including a schedule of the estimated start dates and the duration of the activity, for the following activities:
  - Installation of storm water control measures, and when they will be operational, including an explanation of the sequence and schedule for installation of storm water control measures.

Scheduling

Installation and Implementation Requirements *(continued)*

  - Commencement and duration of earth-disturbing activities, including clearing and grubbing, mass grading, site preparation (i.e., excavating, cutting, and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization.
  - Cessation, temporarily or permanently, of construction activities on-site, or in designated portions of the site.
  - The dates for final or temporary stabilization of areas of exposed soil.
  - Removal of temporary storm water conveyances/channels and other storm water control measures, removal of construction equipment and vehicles, and cessation of any pollutant generating activities.
- Minimize the area of active construction. Limit maximum surface area of earth material exposed at any time to 300,000 square feet. Do not expose or disturb surface area of earth material until BMP measures are installed and accepted in writing by the Engineer.
- Inspect the site prior to initiation of ground-disturbing activities to verify BMPs, as required by the approved *BMP Plan* and/or other documents, have been installed correctly per the manufacturer's specifications and in the correct location.
- Date and sign the *Site-Specific BMP Plan (SSBMP)* or *SWPPP*, keeping an approved copy of the plan on-site or at an accessible location so that it can be made available at the time of an on-site inspection or upon request by the Engineer, per *2005 Hawaii Standard Specifications for Road and Bridge Construction*, Special Provisions Section 209.03(A)(h).
- After the *SSBMP Plan* or *SWPPP* is accepted in writing, schedule a water pollution, dust, and erosion control meeting with the Engineer a minimum of 7 calendar days prior to the start work date.
- Minimize work involving soil-disturbing activities during rain and forecasted events.
- Schedule disturbed areas to be stabilized prior to additional grading of other areas.
- Minimize duration of time trenches remain open. Schedule trenching activities to ensure trenches are closed prior to excavating new trenches.
- Periodically review the schedule for upcoming tasks. Prior to any new activity or new area opened for work, review the *SWPPP* to ensure BMP measures are appropriate to the site and/or means and methods of work. If not, a *SWPPP* amendment should be proposed by the Contractor and certified by HDOT prior to any change to the *SWPPP*. An approved/signed amendment must be in place prior to the start of work.
- Immediately initiate stabilization of exposed soil areas upon completion of earth-disturbing activities for areas permanently or temporarily ceased on any portion of the site. Stabilization must be completed no later than 14 calendar days after the initiation of stabilization measures.

Scheduling

Installation and Implementation Requirements *(continued)*

- All BMPs must be in place at the start of construction unless stipulated otherwise in the *SWPPP*.
- Refer to Hawaii Administrative Rules (HAR) Title 11, Chapter 55, Appendix C or project specifications for information on inspection and maintenance scheduling requirements.

Considerations

- Adherence to schedule.

What to Inspect

- Does the schedule reflect actual construction activities?
- Is there new work starting on-site?
- Does the *SWPPP* need to be amended?
- Are amendments approved prior to the start of work?

Maintenance

- Monitor progress of construction activities relative to construction schedule. Implement remedial measures if progress deviates from schedule.
- Revise the schedule, as necessary.