

Task #	Task Description	Duration in Days	Start Date
1	Site Investigation	2	12/2/15
1.1	Surveying	2	12/2/15
1.2	Collect Soil Samples from Site	1	12/2/15
1.3	Physical Site Analysis	1	12/2/15
2	Identify Problem Area of Cap	25	1/18/16
2.1	Soil Analysis	15	1/25/16
2.1.1	Geotech Lab Work	10	1/25/16
2.1.1.1	Sieve Test	1	1/25/16
2.1.1.2	Hydrometer Test	1	1/25/16
2.1.1.3	Shear Strength Test	1	1/25/16
2.1.1.3	Permeability Test	1	-----
2.1.1.4	Compressive Strength Test	1	1/25/16
2.1.2	Analyze Soil Test Results	5	2/8/16
2.2	Topographic Analysis	7	1/25/16
2.3	Hydrologic Analysis	10	2/8/16
2.3.1	Define Channels	3	2/8/16
2.3.2	HEC-RAS-HEC-HMS	3	2/8/16
2.3.3	Determine Runoff Flows	3	2/8/16
3	Design Alternatives and Qualifications	15	2/22/16
3.1	Define Criteria	2	2/25/16
3.2	Determine Design Alternatives	5	2/29/16
3.3	Cost Estimates	5	3/7/16
4	Design Work	12	3/21/16
4.1	Choose and Create Design	10	3/21/16
4.2	Draft Design	2	4/4/16
5	Project Management	Ongoing	
5.1	Website	4	4/6/16
5.2	Final Design Report	10	4/12/16
5.3	Final Presentation	10	4/18/16

End Date	Actual Duration (Days)	Actual Start Date	Actual End Date
12/3/15	2	12/3/2015	12/3/2015
12/3/15	2	12/2/2015	12/3/2015
12/2/15	1	12/2/2015	12/2/2015
12/2/15	1	12/2/2015	12/2/2015
2/19/16	25	1/18/2016	2/19/2016
2/12/16	15	1/25/2016	2/12/2016
2/5/16	16	1/25/2016	2/10/2016
1/25/16	1	1/25/2016	1/25/2016
1/25/16	1	1/25/2016	1/25/2016
1/25/16		-----	-----
-----	1	2/10/2016	2/10/2016
1/25/16	1	1/25/2016	1/25/2016
2/12/16	5	2/8/2016	2/12/2016
2/2/16	7	1/25/2016	2/2/2016
2/19/16	10	2/8/2016	2/19/2016
2/10/16	3	2/8/2016	2/10/2016
2/10/16		-----	-----
2/10/16	3	2/8/2016	2/10/2016
3/11/16	15	2/25/2016	3/31/2016
2/26/16	2	2/25/2016	2/26/2016
3/4/16	32	2/29/2016	3/31/2016
3/11/16	5	3/27/2016	3/31/2016
4/5/16	12	4/1/2016	4/12/2016
4/1/16	10	4/1/2016	4/10/2016
4/5/16	2	4/10/2016	4/12/2016
4/11/16	4	5/1/2016	5/4/2016
4/25/16	10	4/25/2016	5/4/2016
4/29/16	10	4/18/2016	4/29/2016