

Proposed

Task	Hours Per Staff Member			Total Hours
	Sr. ENG	Assoc. ENG	EIT	
1.0 Site Investigation	3	3	3	9
2.0 Field Sampling				
2.1 Field Work Plan	1	1	7	9
2.2 Field Work	1	9	20	30
3.0 Geotechnical Analysis				
3.1 Sieve Analysis	1	2	15	18
3.2 Hydrometer	1	2	15	18
3.3 Atterberg Limits	1	2	15	18
3.4 Sand-Cone Test	1	2	15	18
3.5 Tri-axial	1	2	15	18
3.6 Consolidation	1	2	15	18
4.0 Hydrology				
4.1 Watershed Delineation	1	3	8	12
4.2 Time of Concentration	2	6	16	24
4.3 Storm Event Runoff	1	3	8	12
5.0 Hydraulics				
5.1 LID Development	1	3	8	12
5.2 Pre/Post Floodplain Map	1	3	8	12
5.3 Proposed Water Disbursement	1	3	8	12
30% Milestone				
6.0 Wall Design Process				
6.1 Wall Designs	4	48	38	90
6.2 Plan and Profiles	1	1	7	9
6.3 Final Wall Design Selection	2	6	1	9
60% Milestone				
7.0 Impacts	3	3	3	9
8.0 Project Management				
8.1 Meetings				
8.1.1 Team Meetings	10	10	10	30
8.1.2 Grading Instructor Meetings	15	15	15	45
8.1.3 Technical Advisor Meetings	8	8	8	24
8.1.4 Client Meetings	2	2	2	6
8.2 Schedule and Resource Management	16	3	1	20
8.3 Deliverables				
8.3.1 30% Submittal and Revisions	1	6	17	24
8.3.2 60% Submittal and Revisions	1	6	17	24
8.3.3 90% Submittal and Revisions	6	12	30	48
8.3.4 100% Submittal	1	6	17	24
8.3.5 Website	4	10	14	28
PROJECT TOTALS	92	182	356	630

Actual

Task	Hours Per Staff Member			Total Hours
	Sr. ENG	Assoc. ENG	EIT	
1.0 Site Investigation	1	1	1	3
2.0 Field Sampling				
2.1 Field Work Plan	2	1	9	12
2.2 Field Work	0	0	5.5	5.5
3.0 Geotechnical Analysis				
3.1 Sieve Analysis	0	2	8	10
3.2 Hydrometer	3	1	10.5	14.5
3.3 Atterberg Limits	0	2	9	11
3.4 Modified Proctor Compaction	4	2	8	14
3.5 Tri-axial	3	9	13	25
3.6 Consolidation	3	5	14.5	22.5
3.7 XRF Contaminants Test	0	0	6	6
3.8 Direct Shear	0	0	7	7
4.0 Hydrology				
4.1 Watershed Delineation	0	0	9	9
4.2 Time of Concentration	0	2	0	2
4.3 Storm Event Runoff	0	0	1	1
5.0 Hydraulics				
5.1 LID Development	0	0	1	1
5.2 Pre/Post Floodplain Map	0	0	1	1
5.3 Proposed Water Disbursement	0	0	4	4
30% Milestone				
6.0 Wall Design Process				
6.1 Wall Designs	6	15.5	24	45.5
6.2 Plan and Profiles	0	5	15	20
6.3 Final Wall Design Selection	0	0	4	4
60% Milestone				
7.0 Impacts	3	3	3	9
8.0 Project Management				
8.1 Meetings	0	2	3	5
8.1.1 Team Meetings	12	12	12	36
8.1.2 Grading Instructor Meetings	6	6	11	23
8.1.3 Technical Advisor Meetings	0	3	6	9
8.1.4 Client Meetings	2.5	4.5	6.5	13.5
8.2 Schedule and Resource Management	2	3	7	12
8.3 Deliverables				
8.3.1 30% Submittal and Revisions	0	10	7	17
8.3.2 60% Submittal and Revisions	4	11	17.5	32.5
8.3.3 90% Submittal and Revisions	2	0	11	13
8.3.4 100% Submittal	10	10	10	30
8.3.5 Website	2	4	6	12
PROJECT TOTALS	67.5	126	282.5	476

