

STAFF HOURS					
Task	SENG	PE	Technician	EIT	Task Total
Task 1: Due Diligence	2	10	0	6	18
Task 1.1: Zoning Due Diligence	1	6	0	4	11
Task 1.2: Arizona 811	1	4	0	2	7
Task 2: Surveying	3	9	22	8	42
Task 2.1: Survey	2	6	16	0	24
Task 2.2: Topographic Map	1	3	6	8	18
Task 3: Field Investigation	8	35	17	20	80
Task 3.1: Sampling Plan	2	5	5	3	15
Task 3.2: Safety Plan	1	2	0	1	4
Task 3.3: Geotechnical Sampling	0	10	6	8	24
Task 3.4: Infiltration Testing	3	10	6	8	27
Task 3.4: Existing Slab Analysis	2	8	0	0	10
Task 4: Hydrology	12	126	0	84	222
Task 4.1: Previous Studies	1	8	0	8	17
Task 4.2: Basin Delineation					
Task 4.2.1: Major Basin Delineation	1	20	0	10	31
Task 4.2.2: Sub-Basin Delineation	1	30	0	10	41
Task 4.3: Sub-Basin Variables					
Task 4.3.1: Flow Routing	1	8	0	8	17
Task 4.3.2: Time of Concentration	1	8	0	6	15
Task 4.3.3: Weighted Curve Number	1	10	0	6	17
Task 4.3.4: Sub-basin Storage:	1	12	0	10	23
Task 4.4: Hydrograph Development	1	10	0	8	19
Task 4.5: Storm Event Runoff Deter.					
Task 4.5.1: Existing	2	10	0	9	21
Task 4.5.2: Proposed	2	10	0	9	21
Task 5: Hydraulics	3	26	0	20	49
Task 5.1: Previous Studies	1	6	0	8	15
Task 5.2 Proposed Channel Hydraulics	2	20	0	12	34
Task 6: Geotechnical Analysis	3	3	20	4	30
Task 6.1: Previous Studies	1	3	0	4	8
Task 6.2: Laboratory Testing	2	0	20	0	22
Task 7: Site Design	7	35	23	28	93
Task 7.1: Develop Alternatives	1	9	5	6	21
Task 7.2: Decision Matrix	2	6	0	2	10
Task 7.3: Drainage Plan					
Task 7.3.1: Grading	1	6	8	5	20
Task 7.3.2: Cut/fill	1	3	4	8	16
Task 7.4 Construction Drawings	2	9	6	5	22
Task 7.5 Cost Estimate	0	2	0	2	4
Task 8: Impacts	6	36	0	30	72
Task 8.1: Environmental	2	12	0	10	24
Task 8.2: Economic Impacts	2	12	0	10	24
Task 8.3: Social Impacts	2	12	0	10	24
Task 9: Deliverables	16	37	8	37	98
Task 9.1: 30% Submittal					
Task 9.1.1: 30% Report	2	4	2	4	12
Task 9.1.2: 30% Presentation	1	1	0	1	3
Task 9.2: 60% Submittal					
Task 9.2.1: 60% Report	2	4	2	4	12
Task 9.2.2: 60% Presentation	1	2	0	2	5
Task 9.3: 90% Submittal					
Task 9.3.1: 90% Report	2	4	2	4	12
Task 9.3.2: 90% Presentation	1	1	0	1	3
Task 9.3.3: 90% Website	1	6	0	6	13
Task 9.4: Final Submittal					
Task 9.4.1: Final Report	2	4	2	4	12
Task 9.4.2: Final Construction Docs	2	6	0	6	14
Task 9.4.3: Final Presentation	1	2	0	2	5
Task 9.4.4: Final Website	1	3	0	3	7
Task 10: Project Management	19	27	8	27	81
Task 10.1: Meetings					
Task 10.1.1: Grading Instructor	3	3	0	3	9
Task 10.1.2: Technical Advisor	3	3	0	3	9
Task 10.1.3: Client	3	3	0	3	9
Task 10.1.4: Team	8	8	8	8	32
Task 10.2: Schedule/Resource Management	2	10	0	10	22
TOTAL	71	309	81	244	705