

| Task   | Deliverable                            | Project Engineer |            |            |            |                    | Total | Engineering Technician (\$) | Environmental Engineer (\$) |
|--|--|------------------|------------|------------|------------|--------------------|-------|-----------------------------|-----------------------------|
|  |  | Sean (hr)        | Mikey (hr) | Henry (hr) | Chris (hr) | * Salary = \$20/hr |       | * Salary = \$35/hr          |                             |
| <b>1- Project Management</b>                               |  |                  |            |            |            |                    |       |                             |                             |
| SCRP Team Meetings   | Meeting agenda/minutes                 | 0                | 0          | 3          | 3          | 6                  | 5     | 1                           |                             |
|  | Status Reports                         | 1                | 1          | 0          | 0          | 2                  | 0     | 2                           |                             |
|  | Timeline                               | 4                | 0          | 0          | 6          | 10                 | 8     | 2                           |                             |
|  | Hour Tracking                          | 2                | 2          | 2          | 2          | 8                  | 5     | 3                           |                             |
| Technical Advisor Communication                            | Meeting agenda/minutes                 | 2                | 0          | 1          | 1          | 4                  | 0     | 4                           |                             |
|  | Status Reports                         | 1                | 1          | 0          | 0          | 2                  | 0     | 2                           |                             |
| Client Communication                                       | Meeting agenda/minutes                 | 0                | 0          | 2          | 2          | 4                  | 3     | 1                           |                             |
|  | Status Reports                         | 1                | 1          | 0          | 0          | 2                  | 0     | 2                           |                             |
| Permitting   | 404 Permit Application                 | 8                | 8          | 4          | 0          | 20                 | 5     | 15                          |                             |
|  | Archaeological study approval          | 0                | 0          | 8          | 8          | 16                 | 0     | 16                          |                             |
|  | ADOT Project Approval                  | 0                | 0          | 8          | 8          | 4                  | 0     | 4                           |                             |
|  | ADEQ Permit                            | 8                | 8          | 0          | 0          | 16                 | 0     | 16                          |                             |
|  | SHPO Permit                            | 0                | 0          | 8          | 8          | 16                 | 0     | 16                          |                             |
|  |  |                  |            |            |            |                    |       |                             |                             |
| <b>2- Preliminary Site Characterization</b>                |  |                  |            |            |            |                    |       |                             |                             |
| Topographic Survey   | Survey Point List                      | 8                | 8          | 8          | 8          | 32                 | 26    | 6                           |                             |
|  | Preliminary Site Topography            | 8                | 4          | 8          | 4          | 24                 | 20    | 4                           |                             |
|  | HEC-RAS Model                          | 8                | 8          | 8          | 8          | 32                 | 26    | 6                           |                             |
| Geotechnical Study   | Field Notes                            | 0                | 1          | 1          | 0          | 2                  | 2     | 0                           |                             |
|  | Preliminary Soil Analysis              | 0                | 3          | 3          | 3          | 9                  | 6     | 3                           |                             |
|  | Soil Classifications and Compatibility | 2                | 0          | 2          | 0          | 4                  | 3     | 1                           |                             |
| <b>3 - Hydrology</b>                                       |  |                  |            |            |            |                    |       |                             |                             |
| Hydraulic Analysis   | Watershed Delineation Report           | 10               | 10         | 0          | 0          | 20                 | 15    | 5                           |                             |
|  | Preliminary HEC-RAS Report             | 6                | 8          | 2          | 0          | 16                 | 12    | 4                           |                             |
| Channel Classification                                     | Rosgen Classification Results          | 6                | 0          | 2          | 8          | 16                 | 12    | 4                           |                             |
| <b>4 - Design Alternatives</b>                             |  |                  |            |            |            |                    |       |                             |                             |
| Take No Action   | HEC-RAS Model                          | 0                | 0          | 3          | 0          | 3                  | 2.5   | 0.5                         |                             |
|  | Lifespan Estimate                      | 2                | 2          | 2          | 2          | 8                  | 6     | 2                           |                             |
| Concrete Lined Channel                                     | HEC-RAS Model                          | 0                | 0          | 5          | 0          | 5                  | 4     | 1                           |                             |
|  | Cost Estimate                          | 0                | 0          | 0          | 2          | 2                  | 1.5   | 0.5                         |                             |
| Rock Vane/Gabion Basket Structures                         | HEC-RAS Model                          | 0                | 0          | 5          | 0          | 5                  | 4     | 1                           |                             |
|  | Cost Estimate                          | 2                | 0          | 0          | 0          | 2                  | 1.5   | 0.5                         |                             |
| Natural Channel Restoration                                | HEC-RAS Model                          | 5                | 5          | 5          | 5          | 20                 | 14    | 6                           |                             |
|  | Cost Estimate                          | 2                | 0          | 0          | 0          | 2                  | 1.5   | 0.5                         |                             |
| Design Matrix  | Design Matrix                          | 1                | 12         | 1          | 1          | 15                 | 4     | 11                          |                             |
| <b>5 - Plans, Specifications, and Estimates (PS&amp;E)</b> |  |                  |            |            |            |                    |       |                             |                             |
| Civil Design   | Site Design Plans                      | 2                | 1          | 2          | 1          | 6                  | 0     | 6                           |                             |
|  | Cut/Fill Volume Estimates              | 2                | 4          | 2          | 4          | 12                 | 0     | 12                          |                             |
|  | Excess Cut Fate Memo                   | 0                | 1          | 1          | 0          | 2                  | 0     | 2                           |                             |
| Mitigation Measures  | List of Mitigation Strategies          | 1                | 1          | 1          | 2          | 5                  | 0     | 5                           |                             |
| Cost Estimates   | Cost Estimates                         | 2                | 1          | 2          | 2          | 7                  | 5     | 2                           |                             |
| Area of Potential Affects                                  | Potential Affects Map                  | 3                | 3          | 3          | 3          | 12                 | 0     | 12                          |                             |
|  | Ecosystem Review Memo                  | 2                | 8          | 2          | 2          | 14                 | 9     | 5                           |                             |
| <b>6 - Final Design Report and Presentation</b>            |  |                  |            |            |            |                    |       |                             |                             |
| Final Report   | Design Report Compilation              | 10               | 10         | 10         | 10         | 40                 | 10    | 30                          |                             |

**Totals**

|                          |     |     |     |     |      |       |
|--------------------------|-----|-----|-----|-----|------|-------|
| 109                      | 111 | 114 | 103 | 425 | 4220 | 7490  |
| <b>Total Cost (\$) =</b> |     |     |     |     |      | 11710 |