


**STAFF REPORT**

**TO: HONORABLE MAYOR AND CITY COUNCIL**

**FROM: GREG RAY, PUBLIC WORKS DIRECTOR/CITY ENGINEER** 

**SUBJECT: AUTHORIZATION TO ENTER INTO A CONSULTING SERVICES AGREEMENT WITH RICK ENGINEERING FOR DESIGN SERVICES ASSOCIATED WITH THE GROVER BEACH TRAIN STATION EXPANSION PROJECT**

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**BACKGROUND**

The Grover Beach Train Station Expansion Project is a grant-funded regional transportation project that will expand the current train station site to incorporate a bus passenger loading/unloading area, bus passenger shelter, and approximately 40 additional parking spaces. The project is proposed to be located on the undeveloped lot immediately south of the current train station located at the southeast corner of Highway 1 and West Grand Avenue. This lot is owned by the County of San Luis Obispo and the City is working with the County on a long-term lease for this property to allow this use. The project site is zoned Coastal Visitor Serving and is within the Coastal Zone. The City Council adopted the Mitigated Negative Declaration and approved the Coastal Development Permit (CDP) for the project in February 2012.

The City hired a consulting engineering firm to prepare conceptual plans for the site in 2011. The plans were based on assumed topography as the site was covered with a dense canopy of Willows. The existing site conceptual plan shows significant grading and encroachment into the Union Pacific Railroad right-of-way. Recent tree removal allowed further inspection of the site and the City has determined that the majority of the site is relatively level. The final design will seek to minimize fill and eliminate or minimize encroachment onto Union Pacific property.

The total project cost is estimated to be \$2.3 million. The City received an allocation of grant funds for the construction phase from two sources: Congestion Mitigation and Air Quality Improvement Program (CMAQ) and State Proposition 1B funding. In addition, the City has an allocation of Regional Surface Transportation Program- Urban State Highway Account (RSTP-USHA) funds that can be used during the design phase.

The Public Works Department issued a Request for Proposals (RFP) for professional design engineering services on June 25, 2016. The scope of services identified in the RFP included:

- Topographic survey
- Soils investigation and analysis
- Boundary survey

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**APPROVED FOR FORWARDING**



**MATTHEW BRONSON  
CITY MANAGER**

**Please Review for the Possibility of a Potential Conflict of Interest:**

- None Identified by Staff
- Shoals
- Lee
- Bright
- Nicolls
- Shah

Utility investigation and mapping  
Funding coordination and administration  
Encroachment Permit applications  
Engineering design and estimates  
Bidding and construction support

## **DISCUSSION**

The City received qualifications-based proposals and separate sealed cost proposals from two firms: Rick Engineering and Diversified Project Services International (DPSI). The City's practice is to select professional service providers on the basis of qualifications and the adopted City's Purchasing Policy requires staff to review and rank proposals on the basis of qualifications and then to negotiate the cost of services with the highest ranked firm.

A proposal review committee evaluated and ranked the proposals based on the scoring instructions published within the City's request for proposal. Based on the qualifications of their project manager and assigned staff, their experience with similar projects, their unique project understanding and approach, and the quality of their proposal, the proposal review committee ranked Rick Engineering as the most qualified firm for this project. The Rick Engineering cost proposal was \$188,660 and within the cost estimate for this work. The actual services will be billed on a time and materials basis limited to the amount proposed unless otherwise approved by the City.

The proposal from Rick Engineering includes a schedule anticipating conceptual plans would be presented to Council by the end of September and final plans would be available for bidding in November 2016.

## **ALTERNATIVES**

The Council has the following alternatives to consider:

1. Adopt the Resolution authorizing the City to enter into a Consulting Services Agreement with Rick Engineering in an amount not to exceed \$188,660; or
2. Provide staff with additional direction.

## **RECOMMENDATION**

It is recommended that the Council: 1) adopt the Resolution authorizing the City to enter into a Consulting Services Agreement with Rick Engineering in the amount of \$188,660; and 2) authorize the Mayor to execute the agreement on behalf of the City based on final review of the Consulting Services Agreement by the City Attorney.

## **FISCAL IMPACT**

The proposed contract limit with Rick Engineering is within the budgeted amount for design.

## **PUBLIC NOTIFICATION**

The agenda was posted in accordance with the Brown Act. Both engineering firms received a copy of the meeting agenda for this staff report.

**ATTACHMENTS**

1. Resolution authorizing the City to enter into a Consulting Services Agreement with Rick Engineering.
2. Rick Engineering Scope of Work and Fee Proposal.

RESOLUTION NO. 16-\_\_\_\_\_

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GROVER BEACH, CALIFORNIA, AUTHORIZING THE CITY TO ENTER INTO A CONSULTANT SERVICES AGREEMENT WITH RICK ENGINEERING TO PROVIDE PROFESSIONAL DESIGN ENGINEERING SERVICES ASSOCIATED WITH THE GROVER BEACH TRAIN STATION EXPANSION PROJECT**

**WHEREAS**, the City received qualification-based proposals and separate sealed cost proposals from two firms; and

**WHEREAS**, Rick Engineering submitted a Scope of Work and Schedule of Costs to perform engineering design services associated with the Grover Beach Train Station Expansion Project for Design, Bidding, and Construction Phases; and

**WHEREAS**, a panel composed of City Staff reviewed the qualifications provided by the two firms who submitted proposals and found Rick Engineering to be the most qualified; and

**WHEREAS**, City staff has evaluated the proposed costs for services and found them to be appropriate and therefore recommended an award of the contract to Rick Engineering in the amount of \$188,660 for the base scope of work.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Grover Beach, California, does hereby:

1. Authorize the City to enter into a Consultant Services Agreement with Rick Engineering to provide engineering services associated with the Grover Beach Train Station Expansion Project;
2. Authorizes the Mayor to execute the Agreement on behalf of the City.

Upon motion by Council Member \_\_\_\_\_, second by Council Member \_\_\_\_\_, and on the following roll call vote:

AYES: Council Members -  
 NOES: Council Members -  
 ABSENT: Council Members -  
 ABSTAIN: Council Members -

the foregoing Resolution was **PASSED, APPROVED, and ADOPTED** at a regular meeting of the City Council of the City of Grover Beach, California, this 15<sup>th</sup> day of August, 2016

Attest:

\_\_\_\_\_  
JOHN P. SHOANS, MAYOR

\_\_\_\_\_  
DONNA L. McMAHON, CITY CLERK

**DRAFT**

## SCOPE OF WORK

## ATTACHMENT 2

The following work program list includes a brief description of the major tasks to be performed by RICK:

### TASK 1: PROJECT INITIATION

#### SUB TASKS:

- 1.1. Schedule and conduct a kick-off meeting.
- 1.2. Develop a Project Development Team (PDT) – subject to City approval. Members of the PDT shall include Consultant and sub consultants as required, City and other agency representatives, as necessary.
- 1.3. Initiate RICK Engineering Company quality control plan during the entire course of the project.
- 1.4. Schedule and conduct monthly PDT meetings (and project meetings with affected Agencies when necessary) to review project schedules, concepts, plans, and specifications and prepare meeting minutes.
- 1.5. Prepare and maintain project schedule.
- 1.6. Coordinate with City and perform initial project management, administration, accounting services.

#### DELIVERABLES:

- Meeting minutes.
- Monthly Progress reports and supporting data. The progress reports will include accomplished tasks for the month, anticipated progress for the next month, pending issues and schedule confirmations/updates.

### TASK 2: PRELIMINARY INVESTIGATION

#### SUB TASKS:

- 2.1. Obtain and review available documents including but not limited to floodway maps; as-builts for improvements, underground and overhead utilities; base maps including aerial photographs.
- 2.2. Confer and coordinate with UPRR, Caltrans and the utility companies to identify design controls and considerations necessary for plan preparation and approvals.
- 2.3. Perform boundary survey as follows:
  - Perform a field survey to locate found monumentation relevant to the retracement of the subject parcel of land.
  - Resolve and define the final exterior boundary for the project, based on the relationship between the monumentation found on and around the subject parcel with the researched boundary information available from public records.
  - Retrace the record title information, as provided in a title report from the title company of your choice, and locate easements and encumbrances to the subject property.
- 2.4. Perform supplemental topographic and street survey: spot elevations in a grid pattern onsite to determine actual elevations for comparison to the aerial survey provided by the City. Survey Hwy 1 at 25' typical cross section intervals for base mapping in preparation for the street widening show in the concept plan.
- 2.5. Map existing utilities on project base plans based on as-builts obtained from the City and utility companies together with data obtained from the field survey.
- 2.6. Perform ongoing project management services and client/consultant coordination

#### DELIVERABLES:

- Project base map and files.
- Project opportunities and constraints map.



### **TASK 3: MULTI-AGENCY COORDINATION AND FUNDING ADMINISTRATION**

RICK and our sub-consultants will provide coordination and initial funding administration consulting services. The sub tasks below will be performed pursuant to the enclosed schedule at the appropriate times during the design development and PS&E phases. We will work in parallel with any concurrent tasks to take advantage of items that can be processed concurrently.

#### **SUB TASKS:**

##### **3.1 CMAQ FUNDING**

###### **a. Contract Documents**

- Obtain City's Standard Contract Documents and incorporate Federal Provision and Forms.
- Once Engineer's Estimate has been developed, prepare DBE Goal using Caltrans Methodology. Obtain Local Assistance Approval.

###### **b. Request for Authorization**

- Prepare RFA Forms
- Assure Caltrans DBE, ADA, ROW and QAP documents are current and approved. Obtain copies for project file.
- Obtain signatures for RFA Package, make copies, and submit to Caltrans

###### **c. PS&E Certification**

- Prepare PS&E Certification Forms and Attachments.
- Obtain signatures, make copies, and submit to Caltrans

##### **3.2 UPRR ENCROACHMENT PERMIT**

- Coordinate and attend Field Diagnostics Meeting with the design team and UPRR.
- Prepare Preliminary Design and submit to UPRR.
- Gather feedback and integrate into Final Design.
- Prepare Final Design and submit/process with UPRR for encroachment permit.
- If required, prepare and obtain Longitudinal Easement.

##### **3.3 UTILITY APPLICATIONS**

- Thoma Electric will work with PG&E to prepare a service request and final design and hand-out package for electrical connections to existing facilities. The scope includes meeting early in the process with the PG&E service planner to determine the extent and location of these facilities.

##### **3.4 CALTRANS ENCROACHMENT PERMIT**

- RICK previously coordinated with Caltrans on project requirements early in the conceptual design process and was provided initial feedback. At that time, a traffic queueing study was requested in order to move further towards initial approval. It is not apparent from the RFP if this analysis was completed, therefore the first step in this process will be to "pick up where we left off" with Caltrans by making contact with District 5 at the outset of design. At the 30% concept design phase, we will again review the design with Caltrans prior to applying for an encroachment permit. This early contact will engage Caltrans permitting and allow the final design to be expected and familiar during encroachment permit review. We will meet onsite with Caltrans if necessary to review the site conditions and will process the encroachment permit with a goal of obtaining a final permit prior to bidding.

### **TASK 4: CONCEPTUAL PLANS**

The Conceptual Plan phase will consist of a multi-disciplinary team approach to site planning and infrastructure analysis. These services will be performed in coordination with the City for the purpose of resolving project issues, preparing a design development level "bridging document" package and providing an opinion of probable cost for budgeting purposes. These documents will be approved by the City and will be used as the basis of PS&E development.



#### **SUB TASKS:**

- 4.1. Coordinate with the City of Grover Beach and Earth Systems Pacific to determine if pervious pavement is a viable option for a Flood Zone site with potentially high groundwater. Additional BMPs will be suggested based on the City's goals. If the City decides to utilize permeable pavement, the team will prepare a permeable pavement design in coordination with the City.
- 4.2. Prepare and submit to the City, one (1) drainage study letter report to be used for an evaluation of on-site runoff and conveyance of flows through the site, to the downstream edge of the project boundary and connection with an existing storm drain system. Included are on-site rational method hydrology for pre-project and post-project conditions, sizing of on-site backbone storm drain, preparing drainage study maps for pre-project and post-project conditions, and preparing the letter report.
- 4.3. Prepare a geotechnical report for determining percolation rates, pavement structural sections and grading details pursuant to the enclosed proposal from Earth Systems Pacific.
- 4.4. Prepare a Design Development Plan Package. Plans shall include the following:
  - a. Cover Sheet (1 sheet)
  - b. Preliminary site plan with Autoturn bus turning layout (1 sheet).
  - c. Preliminary grading plan (2 sheets).
  - d. Preliminary drainage plan (1 sheet)
  - e. Preliminary landscape & irrigation plans (2 sheets).
  - f. Preliminary lighting plan (1 sheet).
  - g. Illustrative (colored) landscape plan for presentation purposes (1 sheet).
- 4.5. Complete necessary design and construction approvals for the project from required Agencies, including plan checking with the City's Public Works plan review designee.
- 4.6. Perform a RICK Engineering Quality Assurance Design Development submittal check.
- 4.7. Perform associated project management duties.
- 4.8. Present the 30% Plan to City Council.

#### **DELIVERABLES:**

- Geotechnical Report.
- Drainage Report for hydrologic and hydraulic calculations. The Drainage Report will include the 25-year hydrologic and hydraulic analysis for the proposed project. In addition, the 100-year hydraulic analysis for a portion of Newhall Creek will be included in the Drainage Report.
- 30% Concept Design progress plan set, specifications, and opinion of probable costs.

#### **TASK 5: CONSTRUCTION DOCUMENT (PS&E)**

Subsequent to the approval of the Concept Design task and with the authorization of the Client and stakeholders, the RICK team will then proceed with the Construction Plans, Specifications and Estimates (PS&E) task for the Project. The plans will include precise grading; drainage; stormwater quality features; landscape and irrigation; lighting and utility plans; and will be based on the outcome of the concept design and initial agency review. The design will conform to City of Grover Beach, Caltrans and ADA standards relevant to parking lot and street improvement design. A complete set of specifications will be produced and a detailed Engineer's Estimate will be provided based on local unit cost data and will include sources of each cost line item.

#### **SUB TASKS:**

- 5.1. Prepare a site plan including pedestrian and vehicular circulation with the necessary design features indicated for the proposed improvements.
- 5.2. Prepare signage plan specifying the intent of use in coordination with City's Building and Safety and Planning Departments.
- 5.3. Prepare a grading plan including all existing and proposed grades, contour grading, and a minimum of three cross sections with areas of maximum cuts/fills.



- 5.4. Prepare a drainage plan and associated calculations for on-site and off-site storm drain systems, method of drainage with grades and drainage pattern arrows, point of connections to the existing water and drainage systems, and design of pipe location and size.
- 5.5. Prepare Street Improvement Plans for the widening and new driveway on Hwy 1.
- 5.6. Prepare landscape & irrigation plans for both the parking lot and willow mitigation areas. Landscape and irrigation plans shall include trees, plants, shrubs, details, notes, and legends.
- 5.7. Prepare a lighting plan and specification that will indicate new light fixtures and conduit runs in the parking lot pursuant to the enclosed proposal from Earth Systems Pacific.
- 5.8. Prepare itemized bid schedule, cost estimates including any post-construction maintenance costs, and construction schedule.
- 5.9. Prepare a storm water pollution prevention plan (SWPPP) for the construction activities. RICK will act as the initial Qualified SWPPP Developer (QSD) and prepare a SWPPP that meets the requirements of the State's General Permit for Storm Water Discharges associated with construction activities currently in effect. RICK will also serve as a Data Submitter (DS) for the City to upload the SWPPP unto the State's SMART system.
- 5.10. Prepare and submit a Post Construction Stormwater Control Plan (PCSCP) that meets the objectives of the City of Grover Beach and the Central Coast Region Water Quality Control Board (CCRWQCB). The 2013 Post-Construction Stormwater Management Requirements for the Central Coast Region requires that the LID design process be documented and presented in a Post-Construction Stormwater Control Plan (PCSCP), summarizing the results for stormwater quality, runoff retention, and peak management. As part of the PCSCP, the backbone flood control analysis will also be included. The report will include narratives, calculations, and exhibits for each of these stormwater-related requirements.
- 5.11. Perform a RICK Engineering Quality Assurance check.
- 5.12. Perform associated project management duties and client/consultant coordination.

**DELIVERABLES:**

- Complete set of 50, 90, & 100% PS&E. Construction specifications will be written specific to the project and estimate will include total cost, as well as subtotals for each category of work. 100% P,S&E Plans will include the following estimated plan sheets:
  - Title Sheet (1 sheet, NTS)
  - Detail Sheet (1 sheet, NTS)
  - Cross Sections (1 sheet, NTS)
  - Demolition Plan (1 sheet @ 1"=40')
  - Erosion Control Details and Notes (NTS)
  - Erosion Control Plan (1 sheet @ 1"=40')
  - Grading Plans (2 sheets @ 1"-10')
  - Offsite Street Improvement Plans (4 sheets @ 1"=20')
  - Paving and Horizontal Control Plan (1 sheet @ 1"=20')
  - Striping and Signage Plan (1 sheet @ 1"=20')
  - Landscape Planting Plans (1 sheet @ 1"=20')
  - Landscape Irrigation Plans (1 sheet @ 1"=20')
  - Electrical Lighting Plan (1 sheet @ 1"=20')
- Electronic copy of all documents developed during the contracted period with the City. Drawings are to be developed on AutoCAD, and documents shall be prepared utilizing Microsoft programs, i.e., "Word," "Excel," "PowerPoint," and "Project."
- Post Construction Stormwater Plan.
- Hardbound copy of the SWPPP for use during construction.





- Final QA/QC summary of technical accuracy and “Bid-the-Plans” QC estimate for minimizing contractor change orders. The RICK Construction Management department will review the plans and perform an independent bidding exercise to help minimize the ability of a contractor to strategically weight bid quantities or otherwise opportunistically bid the plans.
- Bid sheets and a final PS&E bid package .The analysis of the bid quantity sheets performed by the RICK Construction Management team and final pay quantities will be coordinated with the City for possible adjustment prior to publicly advertising the project construction bids. Adjustments or additional quantities may be prudent based on the current bidding climate to increase the City’s contract negotiating position with the contractor.

**TASK 6: BIDDING AND CONSTRUCTION SUPPORT**

Our Bidding and Construction Administration team includes the Engineer of Work (EOW), the Landscape Architect, a qualified Construction Manager and our Grant Funding Administrator, who will work jointly between the office and the field to provide complete bidding and construction administration services for the City. Our EOW will be the main Point-of-Contact for the City and will coordinate all lines of communication. The EOW will be responsible for contract administration ensuring that all documentation is completed, and will attend meetings as required by the City.

**SUB TASKS:**

- 6.1. Attend as-requested construction site meetings throughout the contract duration and response to questions in the meeting (8 meetings assumed).
- 6.2. Review and respond to shop drawing submittals for conformity with the plans and specs.
- 6.3. Review and respond to Requests for Information (RFI) or Change Requests (CR) from the City or Contractor within three working days from the time of notice.
- 6.4. Review design change requests and prepare alternate design plans if necessary as an additional service.
- 6.5. Maintain a log of revisions (either clouded or clearly described) to approved plan set.
- 6.6. Attend the following Landscape site visits:
  - Start of Maintenance Period: Observe landscape for conformance to landscape construction documents, determine level of completion and compliance, and prepare a field report for Client with recommendations and/or corrective measures required.
  - End of Maintenance Period: Observe landscape for conformance to landscape construction documents, determine level of completion and compliance, and prepare a brief report for the Client with recommendations and/or corrective measures required for completion.
- 6.7. Prepare the landscape maintenance plan to be used by the landscape contractor to maintain the landscape.

**Add Alternate Suggested Scope Items.**

- a.2. Confirm and document 10-Day Wage Rule.
- a.3. Prepare Caltrans Bid Opening Checklist.
- a.4. Review Bids for completeness and compliance with Federal-Aid requirements.
- a.5. Review Good Faith Effort documentation for top three bids, and advise Agency.
- a.6. Prepare Caltrans Good Faith Effort Report.
- a.7. Prepare Construction Contract Award Package Forms and Attachments.
- a.8. Obtain signatures, make copies, and submit to Caltrans.
- a.9. Attend Pre-Construction Meeting.

**DELIVERABLES:**

- Stamped RFI and Submittal responses.
- Final inspection punch list items.
- Final Record Drawings produced in electronic format (CAD and PDF) and hard copy mylars As-Built Drawings from the contractor’s (and their subcontractors) daily red lined plans will be used.
- Landscape Maintenance Plan.
- Meeting minutes.



## ASSUMPTIONS & EXCLUSIONS

- A. As noted in the RFP, the City has already secured CEQA clearance. No additional environmental permits are anticipated or assumed.
- B. We anticipate the need for retaining walls and have assumed that standard plan wall design is appropriate. Structural or wall design is not included in this proposal.
- C. FEMA processing is not anticipated and is specifically excluded.
- D. A standard or manufacturer provided Bus Shelter is assumed. No special design beyond manufacturer's specifications is anticipated or included.
- E. Dewatering has been evaluated and deemed not necessary unless field testing indicates special conditions are present.
- F. Traffic Engineering or analysis (can be provided in-house as an additional service).
- G. Boundary Survey assumes that monuments shown in the existing plats can be found in the field.



Project: Engineering Estimate for the Grover Beach Train Station Expansion Project



City of Grover Beach, CA

Milestone	Tasks	Department	Civil				Survey	Landscape		Water Resources		Labor Totals	
		Name	D. Oruse	Marin	K. Oruse	Staff	Fryl Field Crew	Kulthen	Staff	Hezlie	Montgomery	Task Hours	Task Amount
		Project Assignment	Oversight	QA/QC, PM	Lead Design	Design	Survey	Landscape Arch	Design	Drainage Oversight	Drainage Analysis		
<b>TASK 1</b>	<b>Project Initiation</b>												
1.1	Kick Off Meeting		1	3								4	\$ 810.00
1.2	Develop Project Development Team (PDT)			2								2	\$ 390.00
1.3	Quality Control Plan		1	2								3	\$ 615.00
1.4	Project Design Meetings (4)		2	12									\$ 2,780.00
1.5	Project Schedule/Updates			4								4	\$ 780.00
1.6	Initial Coordination with the City			2								2	\$ 390.00
	<b>Task 1 Total</b>												\$ 5,775.00
<b>TASK 2</b>	<b>Preliminary Investigation</b>												
2.1	Review Documents / Site Analysis			1	4							13	\$ 1,915.00
2.2	Initial Contact with UPRR, Caltrans, & Utilities			2	4							6	\$ 1,070.00
2.3	Boundary Survey												\$ 10,660.00
2.4	Topographic Survey												\$ 8,200.00
2.5	Utilities Map												\$ 460.00
2.6	Project Management & Coordination			24								48	\$ 8,440.00
	<b>Task 2 Total</b>												\$ 30,745.00
<b>TASK 3</b>	<b>Agency Coordination &amp; Funding Admin</b>												
3.1a	CMAQ- Contract Documents											sub	\$ 2,700.00
3.1b	CMAQ- Request for Authorization											sub	\$ 2,700.00
3.1c	CMAQ- PS&E Certification											sub	\$ 2,500.00
3.2	UPRR Encroachment Permit			4	24							28	\$ 4,860.00
3.3	Utility Applications											sub	\$ -
3.4	Caltrans Encroachment Permit			2	24							26	\$ 4,470.00
	<b>Task 3 Total</b>												\$ 17,230.00
<b>TASK 4</b>	<b>Conceptual Plans</b>												
4.1	Coordination with the City & ESP				2							9	\$ -
4.2	Drainage Study Letter											2	\$ 340.00
4.3	Geotechnical Report											48	\$ 6,980.00
4.4	30% Design Development Plan Package		2	8	16	50		8				120	\$ 16,840.00
4.5	Plan Checking				8	16						24	\$ 3,200.00
4.6	Quality Assurance Design Development Check		2	4								6	\$ 1,230.00
4.7	Associated Project Management Duties				8							8	\$ 1,560.00
4.8	30% Plan Presentation to the City		1	2				2				5	\$ 1,035.00
	<b>Task 4 Total</b>												\$ 38,245.00
<b>TASK 5</b>	<b>Construction Documents (50%, 90%, 100% PS&amp;E)</b>												
5.1	Site Plan		1	2	4	8						15	\$ 2,215.00
5.2	Signage Plan				4	8						12	\$ 1,600.00
5.3	Grading Plans and Specifications		2	8	16	60						86	\$ 11,630.00
5.4	Drainage Plans and Specifications			2	8	36						46	\$ 5,860.00
5.5	Street Improvement Plans and Specifications		2	8	16	42						68	\$ 9,580.00
5.6	Landscape & Irrigation Plans and Specifications							14		48		62	\$ 9,180.00
5.7	Lighting & Electrical Plan											sub	\$ 9,250.00
5.8	Bid Schedule and Cost Estimates			4	8	24		4		16		45	\$ 7,820.00
5.9	SWPPP			1	8	36						45	\$ 5,895.00
5.10	Post Construction Stormwater Control Plan											58	\$ 7,950.00
5.11	Quality Assurance Check		2	4	8			8		4		4	\$ 4,760.00
5.12	Associated Project Management Duties			4								4	\$ 780.00
	<b>Task 5 Total</b>												\$ 75,350.00
<b>TASK 6</b>	<b>Bidding &amp; Construction Support</b>												
6.1	Attend civil led site meetings throughout construction (8)			8	16			2		8		34	\$ 5,740.00
6.2	Review & Respond to Shop drawing submittals			2	8			2		8		20	\$ 3,210.00
6.3	Review & Respond to RFIs or CR's			2	24					8		34	\$ 5,510.00
6.4	Review and alter plans according to design change requests			1	2	8				4		15	\$ 1,975.00
6.5	Maintain a log of revisions				2							8	\$ 940.00
6.6	Attend landscape site visits											8	\$ 1,040.00
6.7	Prepare landscape maintenance plan							2				18	\$ 2,500.00
	<b>Task 6 Total</b>												\$ 20,315.00
	<b>Total</b>												
			16	126	208	292	92	50	180	16	88		
			Rate: \$ 225.00	\$ 185.00	\$ 170.00	\$ 115.00	\$ 205.00	\$ 210.00	\$ 130.00	\$ 195.00	\$ 125.00		
			Subtotal - Labor: \$ 3,600.00	\$ 24,570.00	\$ 35,020.00	\$ 33,580.00	\$ 18,860.00	\$ 10,600.00	\$ 23,400.00	\$ 3,510.00	\$ 11,000.00		
													<b>Total</b>
													<b>\$ 188,660.00</b>

