



DATE: April 6, 2011

TO: Honorable Mayor and City Councilmembers

FROM: Development Services Department

SUBJECT: **APPROVAL OF A BUDGET APPROPRIATION AND A PROFESSIONAL SERVICES AGREEMENT WITH RBF CONSULTING FOR ENGINEERING SERVICES FOR COLLEGE BOULEVARD MEDIAN PROJECT**

SYNOPSIS

Staff recommends that the City Council approve a budget appropriation in the amount of \$240,000 from the Thoroughfare Fee Fund, Fund 561 to fund the College Boulevard Median project; and approve a professional services agreement with RBF Consulting of Carlsbad in the amount of \$18,700 for engineering services on the College Boulevard Median project; and authorize the City Manager to execute the agreement.

BACKGROUND

The existing single-lane left-turn pocket for northbound College Boulevard at Vista Way is inadequate for the traffic volume. Traffic congestion in the two northbound through lanes is delaying movements at intersections south of Vista Way due to the inadequate pocket size.

Improving the existing single-lane left-turn pocket into a dual-lane left-turn pocket will reduce the traffic congestion along the College/Highway 78 corridor.

ANALYSIS

RBF Consulting was selected through a Request for Proposal (RFP) for consulting services and City's Consultant Rating Form. Seven consultants submitted proposals. They are Excel Engineering, O'Day Consultants, Cornerstone Engineering Inc., KOA Corporation, Hartzog & Crabill, Inc., RBF Consulting, and BHA, Inc.

RBF Consulting was selected as the most qualified firm to provide engineering services for the College Boulevard Median project. Their cost proposal was also the least expensive among the firms considered. RBF Consulting will produce plans and specifications and provide bid support for the construction of this project.

The project is scheduled to be advertised for bids at the end of this calendar year and constructed next year. The \$240,000 budget allocation will be used to cover the cost of design, construction, and contingencies.

FISCAL IMPACT

Fund 561, the City's Thoroughfare Development Impact Fee Fund, has an unassigned balance of \$12,246,000 as of February 28, 2011. With approval of the requested budget appropriation of \$240,000 from the unassigned fund balance of Fund 561 to fund the College Boulevard Median project (901526100561), which currently has a status of On Hold, sufficient funds will be available to complete the project through the end of construction.

The cost of the professional services agreement with RBF Consulting is \$18,700. The cumulative total for contracts awarded to RBF Consultant this fiscal year is \$49,999. The Procurement Policy requires Council approval for all vendors when the cumulative total has exceeded \$50,000.

INSURANCE REQUIREMENTS

The City's standard insurance requirements have been met and are currently in effect.

COMMISSION OR COMMITTEE REPORT

Does not apply.

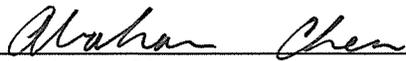
CITY ATTORNEY'S ANALYSIS

The referenced documents have been reviewed by the City Attorney and approved as to form.

RECOMMENDATION

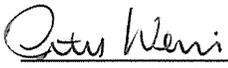
Staff recommends that the City Council approve a budget appropriation in the amount of \$240,000 from the Thoroughfare Fee Fund, Fund 561 to fund the College Boulevard Median project; and approve a professional services agreement with RBF Consulting of Carlsbad in the amount of \$18,700 for engineering services on the College Boulevard Median project; and authorize the City Manager to execute the agreement.

PREPARED BY:



Abraham Chen
Associate Engineer

SUBMITTED BY:



Peter A. Weiss
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

George Buell, Development Services Director

Scott O. Smith, City Engineer

Teri Ferro, Financial Services Director









Attachments:

Exhibit A - PSA

CITY OF OCEANSIDE

PROFESSIONAL SERVICES AGREEMENT

PROJECT: College Boulevard at Vista Way Median Modification (902112600212)

THIS AGREEMENT, dated _____, 2011, for identification purposes, is made and entered into by and between the CITY OF OCEANSIDE, a municipal corporation, hereinafter designated as "CITY", and RBF Consulting, hereinafter designated as "CONSULTANT."

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **SCOPE OF WORK.** The project is more particularly described as follows:
Provide traffic engineering analysis, production of the Plans and specifications for the construction of the improvements, bid support, and construction support for the College Boulevard at Vista Way Median Modification. A detailed description of the Scope of Work, **Exhibit A**, is attached hereto and incorporated herein by this reference.
2. **INDEPENDENT CONTRACTOR.** CONSULTANT'S relationship to the CITY shall be that of an independent contractor. CONSULTANT shall have no authority, express or implied, to act on behalf of the CITY as an agent, or to bind the CITY to any obligation whatsoever, unless specifically authorized in writing by the City Engineer. The CONSULTANT shall not be authorized to communicate directly with, nor in any way direct the actions of, any bidder or the construction contractor for this project without the prior written authorization by the City Engineer. CONSULTANT shall be solely responsible for the performance of any of its employees, agents, or subcontractors under this Agreement. CONSULTANT shall report to the CITY any and all employees, agents, and consultants performing work in connection with this project, and all shall be subject to the approval of the CITY.
3. **WORKERS' COMPENSATION.** Pursuant to Labor Code section 1861, the CONSULTANT hereby certifies that the CONSULTANT is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and the CONSULTANT will comply with such provisions, and provide certification of such compliance as a part of this Agreement.
4. **LIABILITY INSURANCE.**

College Boulevard at Vista Way Median Modification (902112600212)

4.1. CONSULTANT shall, throughout the duration of this Agreement maintain comprehensive general liability and property damage insurance, or commercial general liability insurance, covering all operations of CONSULTANT, its agents and employees, performed in connection with this Agreement including but not limited to premises and automobile.

4.2 CONSULTANT shall maintain liability insurance in the following minimum limits:

<u>Comprehensive General Liability Insurance</u>	
(bodily injury and property damage)	
Combined Single Limit Per Occurrence	\$ 1,000,000
General Aggregate	\$ 2,000,000*
<u>Commercial General Liability Insurance</u>	
(bodily injury and property damage)	
General limit per occurrence	\$ 1,000,000
General limit project specific aggregate	\$ 2,000,000
<u>Automobile Liability Insurance</u>	\$ 1,000,000

*General aggregate per year, or part thereof, with respect to losses or other acts or omissions of CONSULTANT under this Agreement.

4.3 If coverage is provided through a Commercial General Liability Insurance policy, a minimum of 50% of each of the aggregate limits shall remain available at all times. If over 50% of any aggregate limit has been paid or reserved, the CITY may require additional coverage to be purchased by the CONSULTANT to restore the required limits. The CONSULTANT shall also notify the CITY'S Project Manager promptly of all losses or claims over \$25,000 resulting from work performed under this contract, or any loss or claim against the CONSULTANT resulting from any of the CONSULTANT'S work.

4.4 All insurance companies affording coverage to the CONSULTANT for the purposes of this Section shall add the City of Oceanside as "additional insured" under the designated insurance policy for all work performed under this agreement. Insurance coverage provided to the City as additional insured shall be primary insurance and other insurance maintained by the City of Oceanside, its officers, agents, and employees shall be excess only and not contributing with insurance provided pursuant to this Section.

4.5 All insurance companies affording coverage to the CONSULTANT pursuant to this agreement shall be insurance organizations admitted by the Insurance Commissioner of the State of California to transact business of insurance in the state or be rated as A-X or higher by A.M. Best.

College Boulevard at Vista Way Median Modification (902112600212)

- 4.6 All insurance companies affording coverage shall provide thirty (30) days written notice to the CITY should the policy be cancelled before the expiration date. For the purposes of this notice requirement, any material change in the policy prior to the expiration shall be considered a cancellation.
- 4.7 CONSULTANT shall provide evidence of compliance with the insurance requirements listed above by providing a Certificate of Insurance and applicable endorsements, in a form satisfactory to the City Attorney, concurrently with the submittal of this Agreement.
- 4.8 CONSULTANT shall provide a substitute Certificate of Insurance no later than thirty (30) days prior to the policy expiration date. Failure by the CONSULTANT to provide such a substitution and extend the policy expiration date shall be considered a default by CONSULTANT and may subject the CONSULTANT to a suspension or termination of work under the Agreement.
- 4.9 Maintenance of insurance by the CONSULTANT as specified in this Agreement shall in no way be interpreted as relieving the CONSULTANT of any responsibility whatsoever and the CONSULTANT may carry, at its own expense, such additional insurance as it deems necessary.
5. **PROFESSIONAL ERRORS AND OMISSIONS INSURANCE.** Throughout the duration of this Agreement and four (4) years thereafter, the CONSULTANT shall maintain professional errors and omissions insurance for work performed in connection with this Agreement in the minimum amount of One Million Dollars (\$1,000,000.00).

CONSULTANT shall provide evidence of compliance with these insurance requirements by providing a Certificate of Insurance.

6. **CONSULTANT'S INDEMNIFICATION OF CITY.** CONSULTANT shall indemnify and hold harmless the CITY and its officers, agents and employees against all claims for damages to persons or property arising out of CONSULTANT'S work, including the negligent acts, errors or omissions or wrongful acts or conduct of the CONSULTANT, or its employees, agents, subcontractors, or others in connection with the execution of the work covered by this Agreement, except for those claims arising from the willful misconduct, sole negligence or active negligence of the CITY, its officers, agents, or employees. CONSULTANT'S indemnification shall include any and all costs, expenses, attorneys' fees, expert fees and liability assessed against or incurred by the CITY, its officers, agents, or employees in defending against such claims or lawsuits, whether the same proceed to judgment or not. Further, CONSULTANT at its own expense shall, upon written request by the CITY, defend any such suit or action brought

College Boulevard at Vista Way Median Modification (902112600212)

against the CITY, its officers, agents, or employees founded upon, resulting or arising from the conduct, tortious acts or omissions of the CONSULTANT.

CONSULTANT'S indemnification of CITY shall not be limited by any prior or subsequent declaration by the CONSULTANT.

7. **OWNERSHIP OF DOCUMENTS.** All plans and specifications, including details, computations and other documents, prepared or provided by the CONSULTANT under this Agreement shall be the property of the CITY. The CITY agrees to hold the CONSULTANT free and harmless from any claim arising from any use, other than the purpose intended, of the plans and specifications and all preliminary sketches, schematics, preliminary plans, architectural perspective renderings, working drawings, including details, computation and other documents, prepared or provided by the CONSULTANT. CONSULTANT may retain a copy of all material produced under this Agreement for the purpose of documenting their participation in this project.

8. **COMPENSATION.** CONSULTANT'S compensation for all work performed in accordance with this Agreement, shall not exceed the total contract price of \$18,700.

No work shall be performed by CONSULTANT in excess of the total contract price without prior written approval of the City Engineer. CONSULTANT shall obtain approval by the City Engineer prior to performing any work, which results in incidental expenses to CITY.

9. **TIMING REQUIREMENTS.** Time is of the essence in the performance of work under this Agreement and the timing requirements shall be strictly adhered to unless otherwise modified in writing. All work shall be completed in every detail to the satisfaction of the Engineer within 120 calendar days.

10. **ENTIRE AGREEMENT.** This Agreement comprises the entire integrated understanding between CITY and CONSULTANT concerning the work to be performed for this project and supersedes all prior negotiations, representations, or agreements.

11. **INTERPRETATION OF THE AGREEMENT.** The interpretation, validity and enforcement of the Agreement shall be governed by and construed under the laws of the State of California. The Agreement does not limit any other rights or remedies available to CITY.

The CONSULTANT shall be responsible for complying with all local, state, and federal laws whether or not said laws are expressly stated or referred to herein.

College Boulevard at Vista Way Median Modification (902112600212)

Should any provision herein be found or deemed to be invalid, the Agreement shall be construed as not containing such provision, and all other provisions, which are otherwise lawful, shall remain in full force and effect, and to this end the provisions of this Agreement are severable.

- 12. **AGREEMENT MODIFICATION.** This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by the parties hereto.
- 13. **SIGNATURES.** The individuals executing this Agreement represent and warrant that they have the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of the respective legal entities of the CONSULTANT and the CITY.

IN WITNESS WHEREOF, the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Professional Services Agreement to be executed by setting hereunto their signatures on the dates set forth below.

RBF Consulting
By: Scott Jensen Sr. Vice President
Name/Title

CITY OF OCEANSIDE
By: _____
City Manager

Date: 3/12/11

Date: _____

By: _____
Name/Title

APPROVED AS TO FORM:
Barbara Stumpton, ASST.

Date: _____

Employer ID No.

City Attorney

NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.

ALL-PURPOSE ACKNOWLEDGMENT

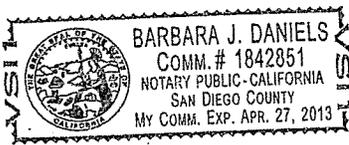
State of California

County of San Diego } SS.

On 3-18-11, before me, Barbara J. Daniels, Notary Public,

DATE personally appeared Scott Taylor, who proved to me on the

basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Barbara J. Daniels

NOTARY'S SIGNATURE

PLACE NOTARY SEAL IN ABOVE SPACE

OPTIONAL INFORMATION

The information below is optional. However, it may prove valuable and could prevent fraudulent attachment of this form to an unauthorized document.

CAPACITY CLAIMED BY SIGNER (PRINCIPAL)

- INDIVIDUAL
CORPORATE OFFICER
PARTNER(S)
ATTORNEY-IN-FACT
TRUSTEE(S)
GUARDIAN/CONSERVATOR
OTHER:

DESCRIPTION OF ATTACHED DOCUMENT

Professional Services Agreement

TITLE OR TYPE OF DOCUMENT

five

NUMBER OF PAGES

3-18-11

DATE OF DOCUMENT

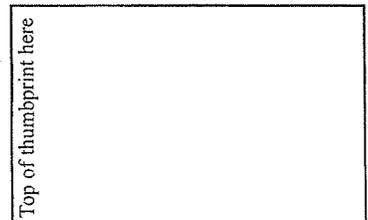
City of Oceanside

OTHER

SIGNER (PRINCIPAL) IS REPRESENTING:

NAME OF PERSON(S) OR ENTITY(IES)

RIGHT THUMBPRINT OF SIGNER





College Boulevard and Vista Way Left-turn Pocket Improvements

4. PROJECT UNDERSTANDING / SCOPE OF WORK

The RBF team has worked with the City of Oceanside over the past several years on projects in the vicinity of the intersection of College Boulevard and Vista Way. We understand the existing traffic flow and signal timing challenges that occur on a daily basis due to the closely spaced intersections and constrained left-turn capacity both northbound and southbound on College Boulevard. To assist the City in evaluating the feasibility of improving the northbound left-turn lane, RBF prepared the conceptual design included with the RFP. We also prepared an operational analysis of the corridor for the College Boulevard PSR. This familiarity with the proposed project as well as our history of preparing traffic designs in the vicinity of the project will result in both a cost savings for the City and a compressed project design process. As this intersection is within Caltrans right-of-way, Caltrans will have a discretionary review. From our experience on projects such as the Sea World Drive Improvements project, this process will require additional coordination with both the District and headquarter staff of Caltrans.

The RBF team is committed to providing the City of Oceanside with a comprehensive design within the identified budget and scope for this project. The key elements that will define a successful project include:

- Maintaining traffic flow during construction,
- Understand the City's design requirements and standards,
- Close coordination with Caltrans, and
- Minimize change orders both in design and construction

Task 0. Project Coordination and Meetings

In support of project processing and as part of project coordination, RBF will prepare for and attend a kick-off meeting and up to two coordination meetings with the project team and/or City of Oceanside. A walk-thru at the project site will be scheduled during the kick-off or another coordination meeting. For budgeting purposes, 2 hours of Project Manager/Engineer time has been allocated for preparation and attendance at each meeting.

Task 1 Field Survey and Base Drawings

- 1.1 Review existing and proposed improvement plans for the project roadway segments and intersections to ensure they are consistent with those required by the City of Oceanside and the project.
- 1.2 Coordinate with the City of Oceanside for pertinent design standards, including proposed traffic signal phasing information if necessary. The traffic engineering plans will be prepared in accordance with the City of Oceanside requirements, the current California Department of Transportation *Standard Plans and Specifications*, and the latest edition of the California *MUTCD*.
- 1.3 RBF Consulting is in possession of an existing topographic file from previous contracted work. The primary task will be verifying the data within the file and revising any inaccuracies. This will be accomplished through a field visit.



College Boulevard and Vista Way Left-turn Pocket Improvements

- 1.4 RBF will prepare a memorandum recommending a length for the dual left-turn pockets at the project intersection. This recommendation will be based on data from the previous report RBF prepared for the City.

Deliverables: *Electronic copy and hard copy of base maps (dwg format)*
Electronic copy and hard copy of base survey information (dwg format)
Memorandum summarizing recommended turn pocket lengths

Task 2. 50% Construction Design Drawings

RBF Consulting will prepare the 50% Construction design drawings for the project for review and comment by City of Oceanside and Caltrans. RBF has prepared a figure showing the conceptual design (see attached). During the project kick-off meeting, RBF will present the conceptual design provided and discuss potential design issues based on our understanding of the existing environment. Feedback received during the kick-off meeting will be integrated into this 50% design effort.

The following tasks will be completed to prepare for the 50% submittal:

- 2.1 **Median Modification Plan.** RBF will prepare the civil engineering design for the modification of the existing median nose at the intersection of College Boulevard and Vista Way. The design will include removal of the existing median, installation of a new median, pavement repair, and preliminary assessment of potential drainage issues associated with the median modification.

The median modification plan will be prepared at 20 scale (1"=20') using AutoCAD drafting software on 24" x 36" City of Oceanside Title Block Mylars. We anticipate that our median modification plan will be one sheet.

- 2.2 **Signing and Striping Plan:** RBF will prepare signing and striping plans for the segment of College Boulevard, between SR-78 Eastbound Off Ramp and Vista Way

The plans will be prepared at 40 scale (1" = 40') using AutoCAD drafting software on 24" x 36" City of Oceanside Title Block Mylar. The plans will include all new/existing signs and striping, pavement markings, pavement legends, sign and striping removals. At the project limits to the east, west, north and/or south, RBF will reference in existing striping based on topographic information and field review. We anticipate that our signing and striping plan set will contain one sheet.

- 2.3 **Traffic Signal Plan:** RBF will prepare a traffic signal modification and lighting plan for the intersection of College Boulevard and Vista Way.

The plan will be required to install traffic signal loops for the additional left-turn lane and rewiring the intersection. The design will not include new, removal or replacement of signal equipment as this type of work is not expected. RBF will conduct a survey of the existing traffic signal equipment to confirm no other modifications to the intersection are required. The traffic signal plans will be prepared at 20 scale (1"=20') using AutoCAD drafting software on a 24" x 36" City of Oceanside Title Block Mylars. The traffic signal plans will incorporate all aspects of the existing traffic signal, new median and proposed



College Boulevard and Vista Way Left-turn Pocket Improvements

signing and striping modifications. Our traffic signal design package will contain one plan sheet.

- 2.4 **Work Zone Traffic Control Plans:** RBF will prepare Work Zone Traffic Control Plans (WZTCP) for the construction of the median nose. Prior to initiating the traffic control plan design, RBF will discuss the project with the City Public Works department to review RBF's approach to design, work hours, duration of work, and confirm "staging" of improvements.

Our plans will be prepared at 40 scale (1" = 40') using AutoCAD drafting software on 24" x 36" City of Oceanside Title Block Mylars. Our plan will include all existing and temporary striping, pavement markings, pavement legends, and striping removals, and temporary barricades. At the project limits, we will reference in existing striping based on our field review. Our WZTCP plan set will consist of up to two sheets.

The traffic control plans will be prepared in accordance with the current California *MUTCD*, showing all lane closures, restrictions, tapers and other disruptions of normal traffic flow, including pedestrian and vehicular detours.

RBF will attend one coordination meeting with the City to discuss the redline comments for the 50% design plan set. A project site walk-thru may also be necessary during this meeting.

Deliverables: 7 bound copies and 1 electronic copy (PDF) on CD of the 50% Design Plan Set to City of Oceanside:

- Title Sheet
- Median Modification Plan – 1 sheet
- Signing and Striping Plan – 1 sheet
- Traffic Signal Modification Plan – 1 sheet
- Traffic Control Plans – 2 sheets

Task 3. 90% Construction Design Drawings

- 3.1 **Response to Comments:** RBF will review comments received by Caltrans and City of Oceanside. If necessary, RBF will meet with reviewers to discuss and resolve design issues. RBF will revise the 40% plans per comments from the City and Caltrans and prepare for 90% submittal
- 3.2 **Special Provisions:** Prepare technical Special Provisions, if necessary, for the project according to the City of Oceanside. RBF is assuming that sample contract documents will be obtained from the City, to which appropriate modifications will be made. It should be noted that the anticipated modifications are assumed to be minor and will not require extensive re-writing of the provided contract documents.
- 3.3 **Engineer's Estimate:** Prepare an construction cost estimate for signing/striping and traffic signal improvements for bidding and bonding purposes. The first cost estimate will be prepared at the 90% preparation level and include a 25% contingency factor.

RBF will attend one coordination meeting with the City to discuss the redline comments for the 90% design plan set. A project site walk-thru may also be necessary during this meeting.



College Boulevard and Vista Way Left-turn Pocket Improvements

Deliverables: 7 bound copies and 1 electronic copy (PDF) on CD of the 90% Design Plan Set to City of Oceanside:

- Title Sheet
- Median Modification Plan – 1 sheet
- Signing and Striping Plan – 1 sheet
- Traffic Signal Modification Plan – 1 sheet
- Traffic Control Plans – 2 sheets
- Special Provisions
- Engineer's Estimate

Task 4. 100% Construction Design Drawings

- 4.1 **Response to Comments:** RBF will review comments received from Caltrans and City of Oceanside the 90% design drawings. If necessary, RBF will meet with reviewers to discuss and resolve design issues. RBF will revise the 90% plans per comments and submit final plans. After plans are approved, we will submit one set of Mylar plans to the City for signatures. A copy of the final plans will also be made available to Caltrans for their records.
- 4.2 **Special Provisions:** Prepare technical Special Provisions, if necessary, for the project according to the City of Oceanside. RBF is assuming that sample contract documents will be obtained from the City, to which appropriate modifications will be made. It should be noted that the anticipated modifications are assumed to be minor and will not require extensive re-writing of the provided contract documents.
- 4.3 **Engineer's Estimate:** Prepare an construction cost estimate for signing/striping and traffic signal improvements for bidding and bonding purposes. The first cost estimate will be prepared at the 90% preparation level and include a 25% contingency factor.
- 4.4 **Permitting:** Coordinate with Caltrans and City of Oceanside to assist in the acquisition of necessary permit and/or plan approval for the project. This may include the preparation of an encroachment permit or Permit Engineering Evaluation Report (PEER) form.

Deliverables: 1 set of signed final plans submitted on mylar to City of Oceanside:

- Title Sheet
- Median Modification Plan – 1 sheet
- Signing and Striping Plan – 1 sheet
- Traffic Signal Modification Plan – 1 sheet
- Traffic Control Plans – 2 sheets

Special Provisions

Engineer's Estimate

Encroachment permit assistance and PEER form preparation



College Boulevard and Vista Way Left-turn Pocket Improvements

Task 5. Construction Support

- 5.1 RBF will provide all necessary construction support such as assistance during the bidding process, field meetings as necessary, responses to contractor submittals and requests for information and any other construction related task. Construction support will be billed on a time and materials basis.

Task 6. As-Built Construction Plans

- 6.1 RBF will be responsible for preparing As-Built construction drawings follow the completion of the construction effort. RBF will field review the contractor redlines and revise the final plans as appropriate. As-Built drawings will be submitted to City of Oceanside.



College Boulevard and Vista Way Left-turn Pocket Improvements

5. FEES

RBF Consulting will complete the tasks outlined in the scope of work for a fee of 18,700. Tasks 0 through 4 and Task 6 will be provided as a lump sum fee. RBF recommends that Tasks 5 (Construction Support) be provided on a time and materials basis with a fee not to exceed \$1,500.

The table below contains our fee estimate by task. RBF's hourly rate schedule is provided on the following page.

TASK	FEE
Task 0 – Project Coordination and Meetings (up to 3 meetings)	\$900
Task 1 – Field Survey & Base Drawings	
Base Mapping	\$600
Memorandum for Turn Pocket Lengths	\$500
Task 2 – 50% Construction Design Drawings	
Median Modification Plan	\$3,000
Signing & Striping Plan	\$900
Signal Plan	\$3,000
Work Zone Traffic Control Plans	\$2,000
Task 3 – 90% Construction Design Drawings	
Revise 50% Design Plans	\$2,000
Special Provisions	\$500
Engineers Estimates	\$500
Task 4 – 100% Construction Design Drawings	
Revise 90% Design Plans, Special Provisions & Estimates	\$1,000
Permitting Support/PEER	\$1,000
Bid Package Support	\$800
Task 5 – Construction Support	\$1,500
Task 6 – As-Built Drawings	\$500
TOTAL	\$18,700



College Boulevard and Vista Way Left-turn Pocket Improvements

HOURLY RATE SCHEDULE

Effective December 2010 through December 2011

<u>OFFICE PERSONNEL</u>	<u>\$/ Hr.</u>
Project Manager	180.00
Sr. Project Engineer/Planner	165.00
Project Engineer	115.00
Design Engineer	105.00
Assistant Engineer/Planner.....	100.00

Note:

Blueprinting, reproduction, messenger service and other direct expenses will be charged as an additional cost plus 0%. A Sub-consultant Management Fee of zero-percent (0%) will be added to the direct cost of all sub-consultant services to provide for the cost of administration, sub-consultant consultation and insurance. Vehicle mileage will be charged as an additional cost at 0.60 per mile.



College Boulevard and Vista Way Left-turn Pocket Improvements

6. SCHEDULE

RBF Consulting has identified a 15 week schedule for this project. Assuming a start date of April 4, 2011, the expected date of plan approval by the City would be July 15, 2011. RBF will work diligently with the City to meet this goal and avoid all issues that will prolong the project's schedule. The schedule assumes two to three weeks of review by City and Caltrans staff. If additional review time is needed, the schedule for this project would be modified to meet the City's review needs. The RBF Team is committed to responding to comments on the project and submitting the project within 10 business days after receipt of comments and resolution of any outstanding design issues.

For construction support, RBF will be available at any time during construction for responses to contractor questions, additional information and as-built plan preparation. The project will be managed from the Carlsbad office, which is within 15 minutes of the project site. Our team of engineers will be ready to respond either in the field or on the phone for the duration of the construction efforts.

RBF will also render assistance during the bidding process and attend field meetings as necessary.

	WEEKS														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Project Mobilization	■	■													
1 st Submittal			■	■											
City/Caltrans Review					■	■	■								
Comment Review, 2 nd Submittal, Project Meetings								■	■						
City/Caltrans Review										■	■				
Comment Review, Final Plans and Submittal												■	■		
City/Caltrans Approval														■	■
TOTAL =	15 WEEKS														