


STAFF REPORT

TO: HONORABLE MAYOR AND CITY COUNCIL
FROM: GREG RAY, PUBLIC WORKS DIRECTOR/CITY ENGINEER 
SUBJECT: AUTHORIZATION TO AMEND THE AGREEMENT WITH WALLACE GROUP FOR PROFESSIONAL SERVICES ASSOCIATED WITH THE WEST GRAND AVENUE ENHANCEMENT PROJECT – PHASE 2

BACKGROUND

On January 14, 2013, the City Council awarded a contract to the Wallace Group for construction management services associated with the West Grand Avenue Enhancement Project – Phase 2. The project is a federally funded project that includes street enhancements in the Downtown Core between 8th and 11th Streets. The improvements include landscaped medians, decorative crosswalks, accessible corner ramps, decorative concrete intersections, lighting, and irrigation for the newly landscaped areas.

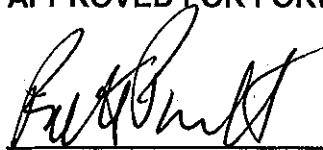
The Wallace Group was awarded a contract in the amount of \$104,399 after they successfully competed with other firms in response to a Request for Proposal from the City. Wallace's scope of work included construction management and related services at a cost of \$73,857, construction staking at \$15,200, materials testing for \$14,217 and other direct and indirect costs at \$1,125. Their contract was based on the original project schedule of 140 working days and the expectation that their on-site inspector would be employed about four (4) hours per day on the job.

DISCUSSION

At the outset, the project appeared fairly simple in that it involved very little underground work and only a few construction trades. The construction schedule originally indicated the work would be completed in 140 working days. Unfortunately, the work has been more complicated than anticipated. Challenges related to concrete color, working with existing concrete improvements, and the contractual relationship between the prime contractor and subcontractor have resulted in delays and additional costs. The City has authorized change orders up to the full amount of contingency and has approved schedule modifications that will now take the project into early July. Nearly all of the major construction will be completed by the end of June. There will be a break in the construction scheduled for the July 4th holiday, followed by final paving, striping, and clean-up. Most of this work will be completed at night.

As a result of unexpected schedule changes and change order work, Wallace Group employees

APPROVED FOR FORWARDING



ROBERT PERRAULT
CITY MANAGER

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

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> None Identified by Staff | <input type="checkbox"/> Lee |
| <input type="checkbox"/> Peterson | <input type="checkbox"/> Marshall |
| <input type="checkbox"/> Bright | <input type="checkbox"/> Nicolls |

Meeting Date: May 20, 2013

Agenda Item No. 7

have spent considerably more time on the job than originally anticipated. The additional time was needed in order to ensure that the quality of the completed work was acceptable, to prepare and evaluate a number of change orders, and to provide adequate documentation for compliance with the federal grant agreement. Grant related work is always more complicated to carry out, both in the field and in the office. The Wallace Group has proposed a contract amendment in the amount of \$61,000 based on the level of effort expended so far and the latest approved project schedule. Staff has reviewed the proposed amendment and agrees with the anticipated level of effort to complete the work. Staff is recommending approval of the proposed contract amendment.

ALTERNATIVES

Staff considered two other alternatives prior to making the recommendation to approve the proposed contract amendment. These included completing the work with City staff and reducing the level of effort on the remainder of the job. Neither of these alternatives was considered by staff to be feasible. Nevertheless, the Council could consider the following alternatives:

1. Approve the amended Professional Services Agreement with Wallace Group and authorize the Mayor to execute the agreement on behalf of the City; or
2. Direct staff to reduce the level of consultant construction management services; or
3. Direct staff to complete the work using City workforces; or
4. Provide staff with additional direction.

RECOMMENDATION

It is recommended that the Council: 1) Approve the amended Professional Services Agreement with Wallace Group; and 2) authorize the Mayor to execute the agreement on behalf of the City.

FISCAL IMPACT

In taking this action, the Council will be authorizing a total contract amount of \$165,399 for construction engineering, materials testing, and construction survey services associated with this project. Total construction costs are expected to be approximately \$1,000,000. Typically construction management costs are estimated to be 15% of the cost of construction or in this case \$150,000. Survey and materials testing are typically estimated to be another 5% or in this case \$50,000. If this contract amendment is approved, the total of all these services will amount to 16.5%.

The project budget will most likely need to be amended to include additional appropriations for change orders and the proposed construction management contract amendment. Sufficient funds are available within the Capital Improvement Program for this purpose.

PUBLIC NOTIFICATION

The agenda was posted in accordance with the Brown Act.

ATTACHMENTS

1. Proposed contract amendment
2. Original Scope of Work and Payment Schedule submitted by Wallace Group

CONTRACT AMENDMENT

Project Name: West Grand Avenue	CA No. 1
Client Name: City of Grover Beach	Project/Phase No. 0636-0007-100
Attention: Gregory Ray	Date: May 6, 2013
Address: 154 South 8 th Street, Grover Beach, California 93433	

Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract signed January 3, 2013. If approved, please return one signed original Contract Amendment to Wallace Group.

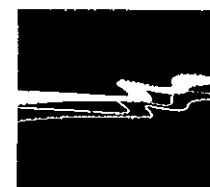
Description and Purpose of the Revision(s)

The original contract and fees for the Construction Management Services for the West Grand Avenue Phase 2 project assumed that after the initial few weeks of startup for the construction, the project would require part time inspection services and limited Resident Engineer effort. The construction of the project has required a significant amount of additional time due to the contractor's lack of experience with developing adequate Traffic Control/Traffic Handling Plans and Progress Schedules, the use of a non-compliant concrete color additive (BASF versus Davis). The extended construction period has required that we extend the duration of field inspection and office time. Additional services were also required to address the subsequent Notice of Potential Claim and Supplemental Claim Information regarding the use of the BASF product, the City's request for additional concrete color test panels, the contractor's workmanship, the revision of the AC section from 3" of AC over 6" of base to 4.5" of AC, and the City's request for additional full time inspection during more of the project. As a result of the items listed above, more Resident Engineer and Construction Inspector time has been required and requested by the City. Wallace Group has attempted to limit our billings to the project and we have provided both Rich and Aaron with supervision that has not shown on the billings for the project.

Wallace Group informed the City during a meeting on April 23, 2013 and a subsequent email that we were approaching our contract limit and would be requiring additional funds to continue to provide Construction Management services. During our meeting, the City acknowledged the need for additional funding for our services and the need for Wallace Group to provide full time inspection for another two weeks. We are approaching the end of the second week of full time inspection and there are still items that warrant full time inspection, in particular the revisions required for the Concrete U-Channels. The contract amendment provides for the work already performed as described above, and for estimated future work beyond the week of April 22, 2013, assuming a construction completion date of mid-July.

Resident Engineer:

3 weeks of part-time effort @ 13hrs/week (total of 40hrs)
 10 weeks of reduced effort @ 8hrs/week (total of 80hrs)
 Total 120 hours for the remaining



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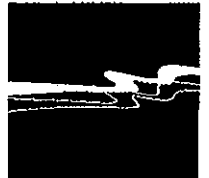
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Construction Inspector:
3 weeks of full-time inspection @ 40hrs/week (total of 120hrs)
10 weeks of part-time inspection @ 20hrs/week (total of 200hrs)
Total 320 hours for the remaining

Project Management:
16 hours for the remaining

Attached is a breakdown of the hours and rates for the above assumed level of effort. We are available to discuss our assumptions and the level of effort proposed at your earliest convenience.

Revision(s) Represent:
 a change in previous instructions
 a change in Scope of Services
 other:

Revision(s) Fee:
 hourly (time & materials) \$
 progress billing: \$
 not-to-exceed w/o authorization: \$61,000

Revision(s) will be invoiced as:
 increase to an item within the existing contract
 a new item added to existing contract

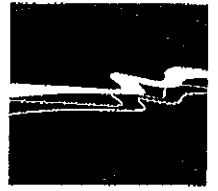
Issued by,
WALLACE GROUP, a California Corporation

Approved by Client

Signature:	Signature:
Print Name: Craig A. Campbell, PE	Print Name:
Title: Principal	Title:
Date: May 6, 2013	Date:

**Wallace Group Team Resource Estimate for the
WEST GRAND AVENUE IMPROVEMENTS - PHASE 2 - CONSTRUCTION MANAGEMENT**

PHASE/TASK	TASKS	PRINCIPAL	DIRECTOR	RESIDENT ENGINEER	RESIDENT ENGINEER (PW)	ASSISTANT RESIDENT ENGINEER OFFICE	ASSISTANT RESIDENT ENGINEER FIELD (PW)	RICK ENGINEERING	EARTH SYSTEMS PACIFIC	Misc. Direct Costs	TOTAL LABOR HOURS		TOTAL
		CAC HRS	DBM HRS	AY HRS	AY HRS	RP HRS	RP HRS	HRS	HRS	Cost	HRS	LABOR \$	COST \$
RATE		\$185	\$162	\$139	\$155	\$110	\$139						
1	Construction Management												
1.1	Overall Project Coordination and Management		16	80		110					206	\$25,812	\$25,812
1.2	Field Inspection (incl diaries, weekly statement of working days)				40		210			\$450	250	\$35,430	\$35,880
1.3	Monthly Progress Payments and Quantity Sheets												
1.4	Submittal and RFI Processing												
1.5	Labor Compliance, EEO, UDBE/DBE												
1.6	Project Closeout												
2	Materials Engineering, Sampling and Acceptance Testing												
2.1	Project Initiation												
2.2	Subgrade and Base Grade Testing												
2.3	Concrete Testing												
2.4	Asphalt Concrete Testing												
2.5	Engineering Support and Report Preparation												
3	Construction Staking and Survey Services												
3.1	Sawcut and Demo												
3.2	Median Curb												
3.3	Intersections, ADA ramps, Crosswalks												
3.4	Calculations												
3.5	Cut-sheets and Coordination												
	SUB-TOTALS		16	80	40	110	210			\$450	456	\$61,242	\$61,692
	WALLACE GROUP LABOR COSTS		\$2,592	\$11,120	\$6,240	\$12,100	\$29,190						\$61,242
	WALLACE GROUP DIRECT COSTS												\$450
	SUBCONSULTANTS TOTAL COSTS												
	TOTAL												\$61,692



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December 17, 2012

City of Grover Beach Public Works Department
 Attn: Gregory Ray, Public Works Director/City Engineer
 154 South 8th Street
 Grover Beach, California 93433

Subject: West Grand Avenue Enhancement Project – Phase 2 Construction Management

Dear Mr. Ray:

Wallace Group appreciates the opportunity to provide you with our proposal for Construction Engineering, Material Testing and Construction Surveying services for the above referenced project. Based on our discussion, the following Proposal has been prepared for your consideration:

PROJECT UNDERSTANDING

West Grand Avenue is the City's commercial center and a major thoroughfare linking both visitors and residents between the commercial/business areas of the downtown to the east and the scenic beaches of the Pacific Ocean to the west. In January 2011, the City of Grover Beach adopted the West Grand Avenue Master Plan. This document is an in-depth planning document developed to implement improvement goals set forth within the City's 2004 Visioning Project, 2010 General Plan Update, and the Economic Development Strategy.

Through the master plan, the City has committed to creating vibrant activity center improvements within three (3) distinct city-defined districts along the Grand Avenue corridor. These districts include: 1) *The Visitor Serving District*, located between Highway 1 and 5th Street and intended to serve as a beach-themed tourist destination providing specialty retail, restaurants, and entertainments, 2) *The Central Business District*, located between 5th Street and 11th Street and serving as a walkable downtown core providing everyday needs and services, and 3) *The Commercial District*, located between 11th Street and Oak Park Boulevard and providing a larger auto-oriented commercial and business space.

It is our understanding that the City is requesting Construction Engineering, Material Testing and Construction Surveying services during the construction phase of this project. The Wallace Group Team has completed several federally funded transportation projects for local agencies, we are acutely aware of the challenges and scrutiny that projects like these face. The federal funds allow local agencies to complete larger capital improvement projects that otherwise could not be completed; but with these funds comes a large amount of additional paperwork. Our Team is familiar and comfortable with the required paperwork. Our construction management staff utilizes Caltrans Construction Manual forms on the majority of our public agency inspection work.

The City has taken many proactive steps to engage and inform business owners and the community of the construction project along Grand Avenue, including holding public meetings, meeting with individual business owners, and committing to newsletters to inform business owners and the community of the progress on construction, engaging

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social media, such as Facebook, conducting additional public meetings, and providing support during construction. The Wallace Group Team is committed to assisting the City in these efforts and believes that the City's efforts will result in a successful project.

Having an experienced and proactive construction management team will be critical to this project, as the overall site location lies within the center of the City of Grover Beach's Central Business District. Wallace Group is aware of these considerations and has had practical hands-on experience dealing with them in both the design and construction phases of various public projects. Public outreach regarding project information is a key element in a successful project of this nature. We also know that working with the Contractor to establish a two-week mini-schedule within the overall project schedule enables good communication and coordination. Our Assistant Resident Engineer, Rich Pavlich, will be on-site performing construction inspections and during those times will visit with business owners and the community to hear any concerns and relay them back to City staff. Rich will address any concerns regarding the Contractor's operations immediately in the field. Our staff will work with Brough Construction to maintain access to businesses and minimize interruptions to business along Grand Avenue and adjacent businesses on 8th, 9th, 10th and 11th Streets. During construction it is so important, as you know, to keep your stakeholders informed of the project progress. The information needs to be accurate, timely and consistent. While we realize that not every project is going to please all of the stakeholders, our experience has been that the more information and communication that occurs, the less anxious the public becomes with the project.

The Contractor's proposed staging of the construction and the traffic handling will be an important aspect to the success of this project. The project specifications discuss the restrictions of the timing and amount of work to be done at any one time. Our construction management team will work with the City and the Contractor to review the submitted traffic control plans and construction schedule in an effort to optimize the construction activities. The balance for this project will be working diligently and efficiently to complete the work quickly, but also in a manner that is convenient to the business owners and the travelling public. Work within the roadway and sidewalk areas that may restrict parking, pedestrian access, bus, trash or mail services must be reviewed and can sometimes be scheduled on days that avoid or minimize disruption of these services.

Parking for the businesses is another concern for the community. We understand that the City is working with adjacent business owners to secure additional areas for patrons to park during the construction phase. Having adequate parking for patrons will be extremely important during construction. If patrons cannot find parking, they will likely keep driving and not stop to shop along Grand Avenue. We will work with City staff and business owners throughout the life of the project on creative parking options. While looking for creative ways to solve parking issues, we will also be aware of the need to maintain ADA accessible parking.

Our experienced construction management team has other distinct advantages too. The City wants a completed project free of claims, free of accidents, free of unsubstantiated changes, completed on-time and with assurances of the materials and workmanship employed. Our knowledgeable construction staff, including our materials testing sub-



consultant, Earth Systems Pacific, and our Construction Surveying sub-consultant, Rick Engineering, have the ability to prioritize staff at critical jobsite operations versus non-critical, know how the work should be completed, and are experienced in all of the required documentation and project requirements.

Staffing Plan

Our Team is comprised of qualified individuals with varied experience. Our Resident Engineer, Aaron Yonker, has significant road and bridge inspection experience during his time with the Massachusetts Highway Department, and most recently completed a large ARRA funded pavement rehabilitation project for the City of Goleta. While Aaron's Massachusetts Highway Department experience was not specifically for Caltrans, a lot of the same principles and guidelines apply, as these projects were federally funded and required the same level of scrutiny for the construction inspection and documentation as a Caltrans Local Assistance project. Our Lead Inspector is Rich Pavlich. Rich has worked on numerous projects for local agencies including encroachment into Caltrans Right of Way. He has performed inspection for federally funded projects with Caltrans Local Assistance Oversight, such as the construction of Union Valley Parkway for the City of Santa Maria. These projects were subject to Caltrans and FHWA audits and thus were administered in a manner consistent with Caltrans Local Procedures Manual. Dacé Morgan will serve as the overall Project Manager for the City and will be the point of contact for the City for any contract issue. Dacé was most recently the Deputy Director for Transportation for the County of Santa Barbara and brings a public agency perspective to the construction of projects.

Our Team will include Earth Systems Pacific for Materials Testing and Rick Engineering for Construction Staking.

Rich will provide part-time inspection during routine construction activities and will provide full-time inspection during critical operations, such as, but not limited to, concrete placement, asphalt concrete pavement, and slurry seal operations. Aaron will be on site once a week for oversight and be available if two field inspectors are needed.

PROPOSED APPROACH

Our approach to the City's Grand Avenue reconstruction project is technical and purposeful, and reflects our commitment to a successful outcome for the construction of this project. A successful project is constructed in accordance with the contract, is on time and within budget, and also one in which the stakeholders' concerns are satisfied and the public needs for safety and convenience are addressed in an exemplary manner. Finally, a successful project is closed out efficiently with all project documentation completed and funding agency requirements met.

Focus Areas

Based on our experience in projects of this type, the review of the PS&E package, visiting the project site, and attending a public meeting about the project, we recognize the following to be a few key items of great importance to the City.



- **Keep vehicle and foot traffic flowing!** Minimize inconvenience to the public while maximizing site safety. This includes maintaining a strong focus on vehicle, pedestrian and cyclist traffic flow and access, including notifications to businesses and the community. The Contractor will be providing "Businesses Open During Construction" signs and we would recommend that these are supplemented with Portable Changeable Message Boards with the same message.
- Work with the Contractor to monitor **adherence to traffic control plans** as well as realistic 'no parking' noticing and posting periods and ensure that vehicular towing requirements are properly addressed and executed, and that all necessary vehicle towing is performed by the City of Grover Beach Police and photo documented by our Team. This includes schedule coordination and associated notifications of daily and weekly local services including trash pick-up, street sweeping, mail and parcel deliveries, as well as any affected bus stops.
- Stay in **close and constant contact with the City and the business owners**. It is important that we and the City are speaking a consistent message throughout the project. It is understood that the City will be the point of contact for the project. The Wallace Group Team will support and assist the City in the communication effort.
- Work with the Contractor to make sure there is **on-going construction coordination**. An example would be coordination between the demo of sidewalk and the placing of new concrete. Minimizing the gaps between that period, as well as not demolishing too much concrete, goes a long way to minimizing pedestrian and business impacts.
- Oversee and coordinate the overall Contractor schedule as well as a two-week mini-schedule review. The goal is to **anticipate and resolve problems** before they become hindrances. This means being proactive with such items as parking availability as the construction moves from one area to the next.
- Conduct project administration in **accordance with Caltrans Local Assistance Procedures Manual (LAPM) and Caltrans Construction Manual**, this is an area that we have significant experience in.
- Prepare and **maintain Resident Engineer's project files** in accordance with Caltrans Local Assistance Procedures Manual Section 16.8 "Projects Files" to include Material testing logs and certifications, Weekly Statement of Working Days, RE Daily Reports, Required State and Federal Monthly Reports, Progress schedules, Traffic management plans, Safety compliance plans, as well as all other required documentation. Of note during the Federal Highway Administration (FHWA) audit of the recent City of Goleta overlay project, the FHWA requested copies of Wallace Group's Inspector Daily Diaries and material logs as examples of good sample documents.

SCOPE OF SERVICES

Wallace Group's approach is consistent with the City's Scope of Services that was outlined in the RFP, along with some nuances. This approach is based upon our experience in the management of state and federally-funded public works projects and is prepared to help complete this federally-funded project successfully. Our experienced staff will be equally helpful in other important project aspects such as minimizing project claims, assisting the



City in continuing a good public outreach program to minimize public/business inconvenience, avoiding project utility delays, and making the project construction management files accessible to City staff for convenience and easy oversight.

Task 1: CONSTRUCTION MANAGEMENT

The basic services to be provided include the overall Construction Management functions required for construction of this project, including but not limited to the following duties. Services provided by Wallace Group will be performed in compliance with Federal-Aid requirements pursuant to relevant FHWA and/or Caltrans, policies, and procedures. The following work scope has been created based on our review of the West Grand Avenue Enhancement Project (Phase 2), our understanding of the project, and our alignment with the City's vision to realize their goals and objectives identified in the City's West Grand Avenue Master Plan, dated January 18, 2011.

- Provide a Project Manager / Resident Engineer (RE) in responsible charge of the construction contract. The RE will be responsible for weekly RE Reports.
- Provide an Assistant Resident Engineer (or equivalent construction inspection) staff who will be responsible for day-to-day field level operations, as documented in daily diaries or inspection reports.
- Verify that the Contractor's construction operations for safety practices and compliance with the project's traffic Control Plan and the CAL-OSHA Construction Safety Orders are conducted.
- Administer the project to verify that all elements of the actual construction are furnished, installed and constructed in accordance with the Project PS&E and the Caltrans Standard Specifications.
- Assist the City in administering the project in conformance with the Master Agreement and related Covenants between the City and the State of California and in compliance with the Caltrans Local Assistance Procedures Manual.
- Create and maintain well organized construction records/files in accordance with the Caltrans Uniform File Management System or equivalent records management system that is compatible with Federal-aid requirements and enables the quick retrieval of particular documentation as may be requested.
- Write daily Assistant Resident Engineer Reports/Diaries which contain sufficient information for documentation purposes, including location, operations (contract item or change order), labor, equipment, material, hours, field conditions, discussions with Contractor, down-time, inefficiencies, and similar items.
- Verify that overall Quality Control/Quality Assurance (QC/QA) is implemented in a manner consistent with the agency's Quality Assurance Plan (QAP) and/or the projects' Special Provisions; review for approval any Contractor-submitted mix designs or materials to be incorporated into the work; work in close coordination with Materials Testing personnel, and will maintain testing records with current tester and laboratory certifications placed in the construction file.
- If and as necessary, we will propose (for approval by the City), prepare and administer Contract Change Orders, prepare independent cost estimates supporting proposed dollar amounts and contract time adjustments of said Change Orders prior to approval, provide Prior Authorization as necessary to the Contractor for said Change Order work.
- Prepare progress and final payment estimates to the Contractor on a monthly basis, calculate, field measure and/or tabulate work done-to-date in accordance with the



Contract's payment provisions, and provide Quantity Calculation Sheets for each contract item for each progress payment to support and document specific dollar amounts paid to the Contractor.

- Assure that all Labor Compliance and Equal Employment Opportunity (EEO) provisions in the contract are being adhered to, receive, verify, and spot check certified payrolls, conduct Employee Interviews at the required frequency, assure that the Contractor's jobsite posters are posted in a clear and visible manner, provide an Office Engineer staff person (on a part-time basis) for these types of functions.
- Monitor and document that UDBE/DBE (and other subcontractor) commitments are being met by the Contractor, and that said UDBE's/DBE's are performing a commercially useful function in accordance with Federal-Aid procedures.
- Monitor contract time utilizing the Weekly Statement of Working Days form.
- Maintain potential claims log, prepare a file for each potential claim issue, evaluate, analyze, and coordinate negotiation to achieve claims and disputes resolution in line with City direction.
- Obtain from Contractor all record (as built) drawings, O&M materials, contract required documents, lien releases, and written warranties, review and circulate as needed for final acceptance.

RFP Deliverables:

- Weekly RE Diaries and Daily Assistant RE Diaries
- Weekly Statement of Working Days
- Contract Change Orders documentation
- Monthly Progress Pay Estimates and Quantity Sheets
- Labor Compliance (DBE utilization, EEO)
- Notice of Potential Claim Log
- Project Close out documentation – Statement of Final Quantities, Notice of Completion
- RE's Project Construction File

Task 2: MATERIALS ENGINEERING, SAMPLING AND ACCEPTANCE TESTING

Earth System's approach is consistent with the City's Scope of Services that was outlined in the RFP, along with some nuances. The basic services to be provided include the overall Materials Engineering, Sampling and Acceptance Testing functions, including but not limited to the following specific duties, all in accordance with the appropriate industry standards and specific test procedures. The services will be provided by our sub-consultant Earth Systems Pacific.

Project Initiation: Prepare project specific Materials Sampling, Acceptance, and Independent Assurance testing in accordance with City's Quality Assurance Program; Attendance at a preconstruction meeting and project coordination.

Subgrade and Base Grade Testing: Four (4) main intersections will be improved along West Grand Avenue. It is estimated that the improvements will be constructed in stages, so as to allow traffic through the intersections. Earth Systems will provide compaction testing during the preparation of roadway subgrade and base grade, as well as any areas to receive fill. It is anticipated that this testing will be done with six (6) visits per intersection for a total of twenty-four (24) visits.



Concrete Testing: PCC pavement will be placed in the four (4) intersections. Earth Systems has assumed sampling of minor concrete, such as sidewalks, curbs, and gutter will not be required. We have assumed intermittent sampling of PCC pavement equal to one (1) sampling of concrete for each intersection. One (1) set of four (4) concrete cylinders will be cast at each of the intersections. Earth Systems has assumed concrete mix designs and aggregate quality tests will be provided by the supplier.

Asphalt Concrete Testing: The project consists of 180 tons of asphalt concrete. It is assumed that the asphalt concrete will all be placed in one (1) day. Earth Systems will provide for on-site compaction testing and sampling of the asphalt concrete for theoretical maximum density for eight (8) hours.

Engineering Support and Report Preparation: Earth Systems will prepare a final report of the test results for the project.

Plant Inspection (Optional): Earth Systems will conduct plant inspections, if requested by the City. The project specifications do not require plant inspections; however, the funding source may require plant inspections. We anticipate 2 plant inspections (one for AC and one for Concrete) at a cost of \$1,000, if the City wishes to add this optional item to the scope.

Task 3: CONSTRUCTION STAKING AND SURVEY SERVICES

The basic services to be provided include the overall construction staking and survey services required for this project. Based on review of the City's RFP, some of the staking items listed are not required for this project, such as, slope staking and utility boxes matching grade. In addition, the plans call for setting monuments, which was not included in the RFP. Rick Engineering has included this item as an add alternative, as well as a suggested contingency alternate for stakes that may be destroyed in the field.

Rick Engineering's Tasks will be as follows:

1. Sawcut and Demolition
2. Median Curb
3. Intersections, ADA ramps, Crosswalks
4. Calculations
5. Cut-Sheets and Coordinating

Add Alternate (not included in fee)

1. Verify Existing Monuments
2. Set new monument locations and straddlers
3. Center punch Brass disks
4. Prepare and submit Corner Record to County Surveyor
5. Re-Stake contingency

SCHEDULE

Schedule for this project will follow the City-approved construction schedule prepared and submitted by the Contractor, Brough Construction, Inc. It is our understanding that the City has issued the Notice to Proceed to Brough Construction and that work is slated to begin January 2, 2013. We further understand that the project has a construction contract duration of 99 working days. Wallace Group feels that this is an appropriate construction duration for a



project of this magnitude and have provisions in place to provide technical staff for this project during that duration and beyond.

REFERENCES

Wallace Group takes a lot of pride in our quality of work and we encourage you to contact the following references and discuss our performance on previous construction management projects.

Patrick Stimson
Caltrans District 5 Encroachment Permit Inspector
Telephone: 805 748-6733

Roger Olds, PE
Resident Engineer
City of Santa Maria Public Works Department
Telephone: 805 925-0951, ext 481

Marty Wilder, PE
Laguna Sanitation District Manager
County of Santa Barbara, Public Works Department
Telephone: 805 739-8755

PROJECT FEES

Attached is a detailed cost proposal/schedule of costs for the total of all work to be performed, not including add alternatives for Construction Staking. The project fees are shown allocated by task to indicate our expected distribution of work. However, the task fee allocations may vary between Tasks for the total of those combined budgets. Services will be provided up to budgeted amount and authorization will be requested if additional support is requested.

I will serve as the Authorized Representative for Wallace Group which will allow me to represent the firm with respect to all notices, discussions, and other communication relating to this proposal and to any negotiations relating to the contract. I can be reached at our office 805 544-4011 and by email at craigc@wallacegroup.us. Our office location affords a short 15 minute drive to the City's office and the construction site. Please do not hesitate to call me with any questions, and we look forward to working with City staff!

Sincerely,

WALLACE GROUP, a California Corporation



Craig Campbell, PE
Principal Engineer

**Wallace Group Team Resource Estimate for the
WEST GRAND AVENUE IMPROVEMENTS - PHASE 2 - CONSTRUCTION MANAGEMENT**

PHASE/TASK	TASKS	PRINCIPAL	DIRECTOR	RESIDENT ENGINEER	RESIDENT ENGINEER (PW)	ASSISTANT RESIDENT ENGINEER OFFICE	ASSISTANT RESIDENT ENGINEER FIELD (PW)	RICK ENGINEERING	EARTH SYSTEMS PACIFIC	Misc. Direct Costs	TOTAL LABOR HOURS		TOTAL
		CAC HRS	DBM HRS	AY HRS	AY HRS	RP HRS	RP HRS	HRS	HRS	Cost	HRS	LABOR \$	COST \$
RATE		\$185	\$162	\$139	\$156	\$110	\$139						
1	Construction Management												
1.1	Overall Project Coordination and Management	4	4	16		32					56	\$7,132	\$7,132
1.2	Field Inspection (incl diaries, weekly statement of working days)				24		375			\$1,125	399	\$55,869	\$56,994
1.3	Monthly Progress Payments and Quantity Sheets			4		15					19	\$2,206	\$2,206
1.4	Submittal and RFI Processing			4		24					28	\$3,196	\$3,196
1.5	Labor Compliance, EEO, UDBE/DBE			2		10					12	\$1,378	\$1,378
1.6	Project Closeout		4	4		16	8				32	\$4,076	\$4,076
2	Materials Engineering, Sampling and Acceptance Testing												
2.1	Project Initiation								6		6	\$780	\$780
2.2	Subgrade and Base Grade Testing								72	\$1,990	72	\$6,624	\$8,614
2.3	Concrete Testing								24	\$566	24	\$1,992	\$2,558
2.4	Asphalt Concrete Testing								8	\$229	8	\$736	\$965
2.5	Engineering Support and Report Preparation								12		12	\$1,300	\$1,300
3	Construction Staking and Survey Services												
3.1	Sawcut and Demo							16			16	\$3,520	\$3,520
3.2	Median Curb							8			8	\$1,760	\$1,760
3.3	Intersections, ADA ramps, Crosswalks							32			32	\$7,040	\$7,040
3.4	Calculations							16			16	\$1,920	\$1,920
3.5	Cut-sheets and Coordination							8			8	\$960	\$960
	SUB-TOTALS	4	8	30	24	97	383	80	122	\$3,910	748	\$100,489	\$104,399
	WALLACE GROUP LABOR COSTS	\$740	\$1,296	\$4,170	\$3,744	\$10,670	\$53,237						\$73,857
	WALLACE GROUP DIRECT COSTS									\$1,125			\$1,125
	SUBCONSULTANTS TOTAL COSTS							\$15,200	\$14,217				\$29,417
	TOTAL												\$104,399