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December 13, 2011

Aleida Andrino-Chavez  
City of Albany  
1000 San Pablo Avenue  
Albany, CA 94706

**Subject: Additional Engineering Services for the Marin Avenue/Santa Fe Avenue Intersection Modification and Traffic Signal Replacement Project – City Contract No. 09-30**

Dear Ms. Andrino-Chavez,

AECOM is pleased to present this proposal to perform additional engineering services for the reconfiguration of the intersection of Marin and Santa Fe Avenue in the City of Albany. The following items were requested by the City during our recent site visits on 10/13/11, 10/20/11, conference call on 10/14/11, and based on the recommendations of the Traffic and Safety Commission on 12/1/11.

**ADDITIONAL SCOPE OF WORK ITEMS**

**Task 100 – Marin/Santa Fe Intersection**

The following tasks have been identified as additional tasks based on requests by the City and Traffic and Safety Commission. The existing contract includes preparation of plans, specifications, and estimate for an intersection with bulb-outs and a new traffic signal. These tasks represent additional work that was out of the original reasonable expectation of the original scope of work for this project.

- A. Concept Development and Traffic Safety Commission Meeting Preparation – AECOM** conducted work tasks as requested by City staff to prepare for the 12/1/11 Traffic and Safety Commission Meeting. These tasks included:
- **Site Visits and Meetings** – Attendance at two site visits with City staff to describe project components, issues, and potential solutions. Also included attendance at one meeting before the T&SC meeting, and the 12/1/11 meeting.
  - **Corridor and Turning Movement Exhibit** – AECOM prepared exhibits showing the Santa Fe Avenue corridor and compare it with Caltrans and AASHTO design criteria to evaluate the safety of the proposed “jog”. AECOM showed design vehicles and turning movements to show the opposing movements that would be expected after completion of the intersection improvements. These exhibits were submitted to the City on October 17 and 18, 2011.
  - **Prepare Magnitude Cost Estimate** – AECOM prepared a magnitude cost estimate for the Marin/Santa Fe project to include all the additional design changes mentioned in this change order request. AECOM will use the existing 95% estimate as a basis, and add the additional work. The cost estimate was submitted to the City on November 7, 2011.
  - **Conceptual Design of Option 2** – AECOM prepared conceptual design drawings of Option 2 to reduce the overall cost of the intersection improvements.

- **Presentation Materials for T&SC Meeting** – AECOM worked with the City to prepare a PowerPoint presentation for the T&SC meeting

**B. Development of Final PS&E for Option 2** – AECOM will revise the design for Option 2 configuration as approved at the 12/1/11 Traffic and Safety Commission. The original scope of work included three PS&E submittals (65%, 95%, and Final). To date, AECOM has submitted three formal submittals (4/2/10, 9/16/10, and 8/16/11). AECOM will prepare 100% Plans, Specifications and Estimate for the Option 2 configuration. Some of the additional items required for design for the Final PS&E are included below:

- **January T&S Commission Meeting** – AECOM will attend the January Traffic and Safety Commission meeting to present the final design to the commission for approval.
- **Additional PS&E Submittal** – Due to the modified design concept after 95% design, it is expected that there will be an additional revision to the plans. Therefore, this task assumes two additional submittals. However, the second submittal is expected to likely be minor, and include items such as changing the title block from “100% SUBMITTAL” to “BID SET”. The 100% design plans, specifications, and estimate, is schedule to be submitted at least one week before the January 2012 Traffic and Safety Commission Meeting.
- **Department of State Architect Submittal and Coordination** – AECOM will coordinate with the Department of State Architect (DSA) regarding the proposed slopes, grades, and signal pole locations. AECOM will meet or have a conference call with the DSA representative to review the 100% design plans and expedite the DSA approval of the plans. This requires an additional plan sheet that will include all slopes and elevations at all ramps. This includes a 100% submittal to the DSA for review, and one revised final set of plans for DSA approval for a total of two submittals.
- **Stage Construction and Pedestrian Detour Plan** – AECOM will prepare a pedestrian detour plan using CA MUTCD 2010 standards. AECOM will prepare one stage construction sheet and one four pedestrian/traffic detour plans to supplement construction. This would allow for a pedestrian detour that could work during all phases that would avoid the proposed project work area. This work does not include temporary lighting or signals, which would not be needed for construction of the project.
- **Landscape Design** – AECOM will prepare a draft and final set of landscape and planting plans for the installation of a rain garden at the SW and NE corners of the intersection. AECOM will provide a draft set of landscape and planting plans and one revised final set of plans for inclusion in the bid package for a total of two submittals.
- **Revise Speed Hump Improvements** – AECOM will call for the 6” of AC base repair under the proposed speed humps. AECOM will also review whether a third speed hump is warranted for the block of Marin Ave between Marin and Solano Avenues. It is assumed that additional survey would not be required at the proposed speed hump locations.

**Tasks A and B Deliverables:**

*The following consists of the additional deliverables associated with the above described work. This is additional work over and above the existing contract which includes design revisions to the 95% design plan package submitted on August.*

**Various Exhibits**

- *Draft Turning Movements and Corridor Exhibits (Task A)*
- *Final Turning Movements and Corridor Exhibits (Task A)*
- *Magnitude Cost Estimate (Task A)*

**Additional Work for Final Design (PS&E)**

- *Utility and Demolition Plans (1 new sheet) New ADA Curb Ramp*
- *Layout Plan (1 new sheet) – New ADA Curb Ramp*
- *Construction Details Plans (3 new sheets) – New ADA Curb Ramp and Rain Gardens*
- *Drainage Plan (1 new sheet) – Northeast and Southwest Corners (including Rain Gardens)*
- *Stage Construction Plan (1 new sheet)*
- *Detour Plan (1 new sheet)*
- *Pavement Delineation Plan (1 sheet) – New ADA Curb Ramp and Speed Humps*
- *Revised Specifications based on revised design*
- *Revised Quantities and Estimate based on revised design*
- *Incorporate City comments on 100% Plans*
- *Incorporate City comments on 100% Specifications*
- *Hard copy of Final plans submitted to DSA for review and approval*
- *Revised plans submitted to DSA for final approval*

**Exclusions**

*The proposed additional work excludes the following:*

- *Bid and Construction Support*
- *Temporary Signal and Lighting Plans*
- *Additional Traffic and Safety Commission Meetings*

**Changes to Sheet List:**

*The revised sheet list including the above work is shown below. The new sheets are highlighted in yellow:*

Sheet #	Drawing #	Description	Includes
1	G-01	Title Sheet, Legend and Abbreviations	
2	G-02	General Notes	
3	UD-01	Existing Utility and Demolition Plan	NW and NE
4	UD-02	Existing Utility and Demolition Plan	SW and SE
5	UD-03	Existing Utility and Demolition Plan	ADA Curb Ramp Location
6	X-01	Typical Sections	Marin and Santa Fe
7	L-01	Layout	Intersection
8	L-02	Layout	ADA Curb Ramp Location and Speed Humps
9	P-01	Profiles	Santa Fe Mainline
10	P-02	Profiles	Curb Return Profiles
11	C-01	Construction Details	NW and NE details
12	C-02	Construction Details	SW and SE details
13	C-03	Construction Details	Curb Ramp Details
14	C-04	Construction Details	ADA Curb Ramp Location
15	C-05	Construction Details	Rain Garden
16	D-01	Drainage Plan	Northeast corner
17	D-02	Drainage Plan	Southwest Corner
18	SC-01	Stage Construction	Santa Fe/Marin Intersection
19	DE-01	Detour Plan	Santa Fe/Marin Intersection
20	PD-01	Pavement Delineation and Signing Plan	Signing and Striping - Intersection
21	PD-02	Pavement Delineation and Signing Plan	Signing and Striping - ADA Curb Ramp
22	PD-03	Pavement Delineation and Signing Plan	Speed Hump Details
23	E-01	Signal and Lighting	Traffic Signal Plan
24	E-02	Signal and Lighting	Traffic Signal Schedules
25	E-03	Electrical Details	Sign and Signal Details



**BUDGET**

AECOM proposes to do the above described work according to the existing contract agreement for City Project 09-30. The cost to perform the additional work described above is estimated to be **\$49,500** as summarized in the following table:

Task #	Task	Cost
A	Concept Development and Traffic and Safety Commission Meeting Preparation	<b>\$15,000</b>
B	Final PS&E	<b>\$34,500</b>
	<b>TOTAL</b>	<b>\$49,500</b>

Additional work would be billed on a time and materials basis according to the existing agreement between the City and AECOM. If the above scope and fee is acceptable, please sign the notice to proceed below and we will begin work. A formal change order agreement can follow. If you have any questions or require clarification, please do not hesitate to call at 510-622-6627. Thank you.

Yours sincerely,

Geoffrey Rubendall, PE  
Transportation Engineer  
geoffrey.rubendall@aecom.com

Authorized to Proceed: City of Albany:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date