



City of Sacramento City Council

22

915 I Street, Sacramento, CA, 95814
www.CityofSacramento.org

Meeting Date: 5/15/2012

Report Type: Consent

Title: Supplemental Agreement: Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700)

Report ID: 2012-00395

Location: Union Pacific Railroad on the segment of 12th Avenue on the Sacramento City College Campus, District 5

Recommendation: Pass a Resolution: 1) approving the transfer of \$1,100,000 (Fund 2028) from the Ramona Avenue Extension Project (T15018400) to the Sacramento City College Pedestrian/ Bicycle Overcrossing Project; 2) authorizing the City Manager to submit an amendment to the State Controller's Office for the 2008-09 Proposition 1B Local Streets and Roads (Prop 1B LSR) funds expenditure plan; 3) authorizing the City Manager to execute Supplemental Agreement No. 3 with Drake Haglan and Associates in an amount not to exceed \$79,324 and to revise the contract scope of work; 4) ratifying Supplemental Agreements No. 1 and No. 2 to City Agreement 2010-0789 with Drake Haglan and Associates and resetting the City Manager's authority to issue supplemental agreements for City Agreement 2010-0789; and 5) resetting the administrative authority for the project.

Contact: Ryan Moore, Supervising Civil Engineer, (916) 808-8279; Nicholas Theocharides, Engineering Services Manager, (916) 808-5065, Department of Transportation

Presenter: None

Department: Transportation Department

Division: Funding & Project Development

Dept ID: 15001121

Attachments:

- 1- Description/Analysis
- 2 - Background Information
- 3 - Resolution
- 4 - Exhibit A - Location Map
- 5 - Supplemental Agreement No. 3 with Drake Haglan

City Attorney Review

Approved as to Form
Gerald Hicks
5/7/2012 10:54:16 AM

City Treasurer Review

Reviewed for Impact on Cash and Debt
Russell Fehr
4/27/2012 3:07:25 PM

Approvals/Acknowledgements

Department Director or Designee: Jerry Way - 5/1/2012 1:05:48 PM

Description/Analysis

Issue: The City is in the final design phase of the Sacramento City College Pedestrian/ Bicycle Overcrossing Project (Overcrossing Project).

The Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700), the Ramona Avenue Extension Project (T15018400), the Streets Overlays and Seals Program (R15072000) and the Sacramento Intermodal Facility (T15029000) are partially funded with funding from the Proposition 1B Local Streets and Roads (“Prop 1B LSR”) program. These four projects are the only City projects eligible for the Prop 1B LSR funds. The funds must be fully expended by June 30, 2013.

Due to delays in the National Environmental Policy Act (NEPA) process, it is doubtful that the Ramona Avenue Extension Project will be able to expend its Prop 1B LSR \$1,100,000 funding by the “use or lose” deadline. In order to meet the deadline, it is recommended that funding be transferred to the Overcrossing Project, which is capable of making expenditures before the deadline and will lessen the local contribution to the Overcrossing Project. The impact on the Ramona Avenue Extension Project from this action is unclear at this time. If a funding gap is created on the Ramona Avenue Extension Project, staff plans to return to SACOG to request additional federal funding. Staff feels this step is justifiable due to the fact that the delays on the Ramona Avenue project involve federal regulatory issues outside the control of the City.

Policy Considerations: The action requested supports the City’s Strategic Plan goals of improving the transportation system, expanding public safety, achieving sustainability through reduced dependence on the private automobile, and enhancing livability and economic vitality.

Environmental Considerations:

California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA): The City adopted a Mitigated Negative Declaration (MND) in conformance with CEQA on December 8, 2009. On June 12, 2011, an amendment to the MND was adopted to incorporate the construction of a small section of sidewalk which will enhance pedestrian access to/from the bridge structure, and also to incorporate the relocation of a 21KV SMUD facility. The Categorical Exclusion for NEPA was signed by the Federal Highway Administration in May of 2010.

Sustainability Considerations: This project is consistent with Sustainability Master Plan goals to build and enhance pedestrian facilities in the public right-of-way and to encourage bicycle and pedestrian trips.

Commission/Committee Action: No Commission or Committee activity has taken place or is required.

Rationale for Recommendation: The recommended actions will minimize construction disruptions on the City College campus while class is in session and enable the City to expeditiously expend Prop 1B LSR funds prior to their “use or lose” deadline.

Financial Considerations: The Overcrossing Project has a total budget of \$2,333,771 consisting of federal, Prop 1B LSR, and local transportation funds.

Approval of the transfer of Prop 1B LSR funds in the amount of \$1,100,000 (Fund 2028) from the Ramona Avenue Extension Project to the Overcrossing Project will increase the total budget to \$3,533,771 and the unobligated balance to \$1,522,491, which is sufficient to fund Supplemental Agreement No. 3 to City Agreement 2010-0789 with Drake Haglan & Associates, construct utility relocations prior to bridge construction, pay Union Pacific Railroad (UPRR) a deposit for design review, provide funding for acquisition of a Right of Way easement from UPRR, and pay Sacramento Regional Transit for design and construction management of the temporary relocation of their overhead catenary system during bridge construction for the Overcrossing Project. Additional federal construction funds and local match will be appropriated at contract award.

As of March 14, 2012, the Ramona Avenue Extension Project has a total budget of \$8,454,881 with an unobligated balance of \$5,740,071, which is sufficient to complete a transfer in the amount of \$1,100,000. No general funds are planned or allocated for either project.

Emerging Small Business Development (ESBD): The City’s E/SBE goal is 20%. Drake Haglan and Associates has exceeded this goal.

Background:

The Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700) proposes to construct a new bicycle/pedestrian crossing that will extend from the Light Rail Transit (LRT) Station at Sacramento City College to the existing and proposed new neighborhoods east of the UPRR tracks. The new crossing will provide a safe and convenient route between the LRT station and the proposed Curtis Park Village residential/commercial development project and existing Curtis Park neighborhood.

On December 9, 2008, the City Council approved Resolution 2008-810, allocating the City's 2008-09 allocation of Proposition 1B Local Streets and Road (LSR) Funds into four eligible capital improvement projects: the Sacramento Intermodal Facility (T15029000); Ramona Avenue Extension Project (T15018400); Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700), and Streets Overlays and Seals Program (R15072000). This allocation of Proposition 1B LSR funds must be fully expended by June 30, 2013.

Of the total \$1,500,000 in Prop 1B LSR funds in the Ramona Avenue Extension Project, approximately \$900,000 was originally budgeted for environmental mitigation and right of way costs. As the Ramona Avenue Extension Project has progressed, Caltrans and the U.S. Fish and Wildlife Service have engaged in a lengthy dialogue over the biological opinion for the Ramona Avenue Extension which is necessary for environmental document approval. The delay in the environmental approval has prevented the payment of environmental mitigation fees, which are needed prior to initiation of the right of way phase of the project under federal guidelines. Consequently, the funds that were originally budgeted will not likely be expended until after the "use or lose" June 30, 2013 deadline for the Prop 1B LSR program allocation.

In order to avoid losing the Prop 1B LSR funds due to this delay, staff is recommending that a portion of the Prop 1B LSR funds be transferred to the Sacramento City College Pedestrian/Bicycle Overcrossing Project, which can expend the funds ahead of the funding deadline.

The construction phase of the Sacramento City College Pedestrian/Bicycle Overcrossing Project is funded primarily through federal Transportation Enhancement funding awarded to the project through a SACOG grant. The federal SACOG grant was contingent upon a City contribution of approximately \$1,000,000, which will come from the Bicycle and Pedestrian Improvement Program. Constructing the utility relocations ahead of the bridge construction phase will have the added benefit of driving down the needed local contribution from the Bicycle and Pedestrian Improvements Programs.

Construction of the Sacramento City College Pedestrian/Bicycle Overcrossing Project must be carefully planned in order to minimize disruption on the City College Campus, and also to UPRR and RT operations. This can most effectively happen by scheduling construction to coincide with Spring, Summer, and Winter breaks on Campus. By moving ahead with a first phase of construction which would relocate all utilities, the

final phase involving bridge construction becomes greatly simplified, and also less time intensive.

The project also requires a \$50,000 deposit in order for UPRR to conduct design review over their facility, and \$100,000 to acquire an easement for the bridge.

During bridge construction, the overhead catenary system for the light rail line will have to be temporarily lowered, and then put back into place. The design and construction management for this work is specialized and must be done by RT. The cost for RT to do this work is \$140,000.

Due to the substantial amount of utility coordination, as well as the unanticipated effort needed to prepare appropriate architectural details during the design phase, Drake Haglan and Associates requires a contract amendment in the amount of \$79,324. In addition to utility coordination and architecture, the amendment will also pay for utility potholing. As the design has progressed, it has become clear that there are extensive underground utilities located on the City College campus. Potholing will ensure that there are no conflicts or damage to existing utilities during construction.

It is currently unclear what the exact fiscal impact will be on the Ramona Avenue Extension Project from transferring Prop 1B LSR funds into the Sacramento City College Pedestrian/Bicycle Overcrossing Project. The environmental fees will not be known until the Biological Opinion is approved, and the exact cost of right-of-way impacts will not be known until that phase begins and offers are made and accepted. The project budget may be able to absorb the transfer of 1B funds. However, if there is an impact, staff plans to work with SACOG to back fill the Ramona Avenue Extension Project with other federal funds. This plan is appropriate because the delays on the Ramona Avenue Extension Project which have resulted in the risk to the Prop 1B LSR funds have been, and continue to be caused by, Fish and Wildlife Service (FWLS) who has yet to opine on the final cost and terms for environmental mitigation on the Ramona Avenue Extension Project. If a very small gap is created on the Ramona Avenue Extension Project, staff recommends that this gap be filled with local transportation dollars. This would be justifiable due to the greatly lowered need for local transportation dollars on the Sacramento City College Pedestrian/Bicycle Overcrossing Project.



RESOLUTION NO.

Adopted by the Sacramento City Council

Appropriate and Transfer Funds and Approve Supplemental Agreement No. 3: Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700)

BACKGROUND

- A. The Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700) will construct a new bicycle/pedestrian crossing that will extend from the Light Rail Transit (LRT) Station at Sacramento City College to the existing and proposed new neighborhoods east of the Union Pacific Railroad (UPRR) tracks.
- B. Funding is required to construct utility relocations, pay for Union Pacific Railroad (UPRR) design review and easement, and Sacramento Regional Transit (RT) design and construction management costs.
- C. Additional consultant services are required for utility coordination and aesthetic design.
- D. For timing reasons, Proposition 1B Local Streets and Road Funds can be transferred from the Ramona Avenue Extension Project (T15018400) to the Sacramento City College Pedestrian/Bicycle Overcrossing Project to ensure funds are spent on time and to facilitate completion of both projects.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

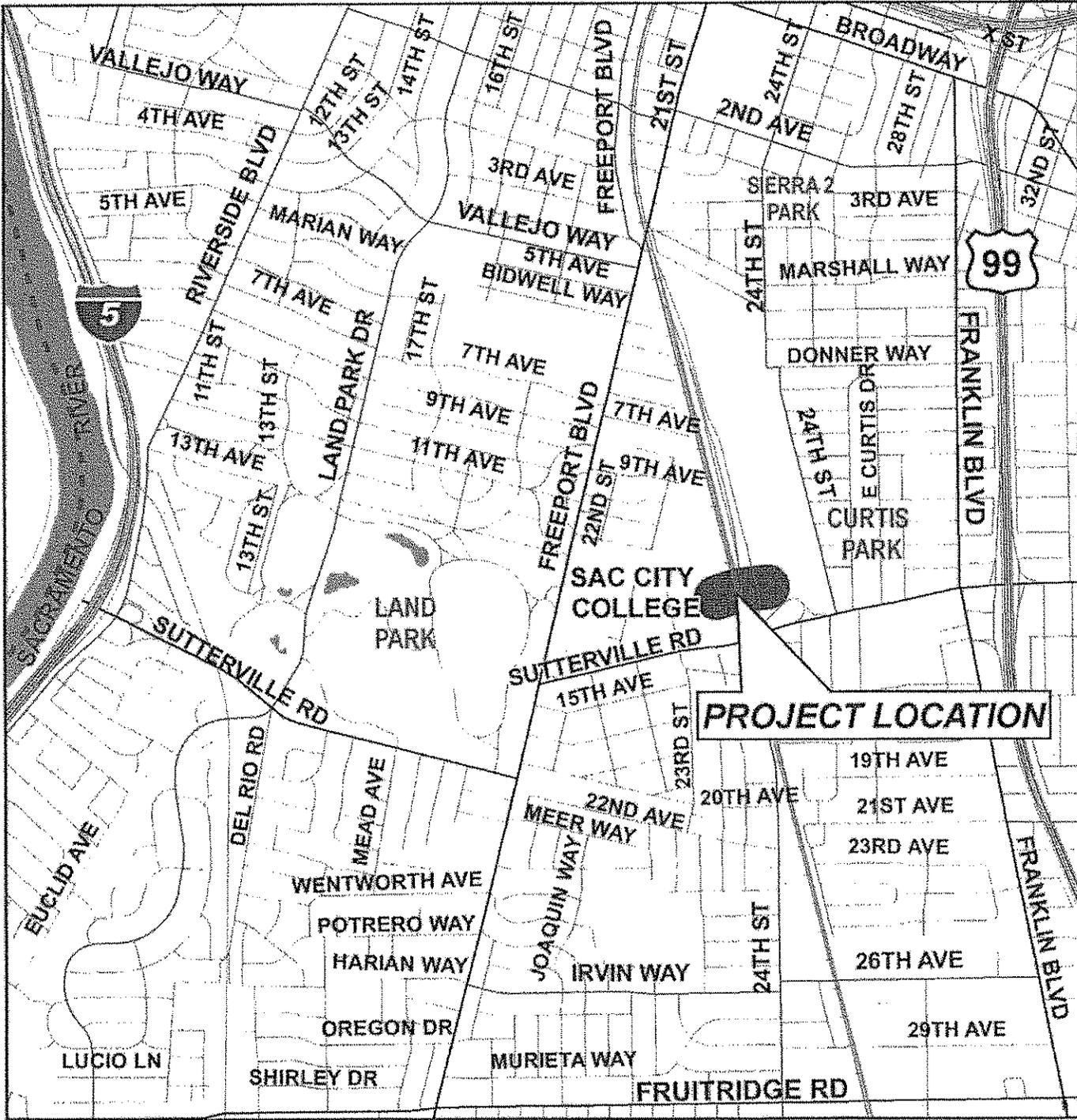
- Section 1. The FY11/12 Capital Improvement Program budget is amended by transferring \$1,100,000 (Fund 2028) from the Ramona Avenue Extension Project (T15018400) to the Sacramento City College Pedestrian/Bicycle Overcrossing Project (T15065700).
- Section 2. The City Manager is authorized to submit to the State Department of Finance an amendment to the 2008-09 Proposition 1B Local Street and Road Expenditure Plan.
- Section 3. The City Manager is authorized to execute Supplemental Agreement No. 3 with Drake Haglan and Associates in an amount not to exceed \$79,324 to complete the project design, and revising the scope of work.
- Section 4. The administrative authority is reset for the Sacramento City College Pedestrian/ Bicycle Overcrossing Project.
- Section 5. Exhibit A is incorporated into and made part of this Resolution.

Table of Contents:

Exhibit A: Location Map

EXHIBIT A

Location Map for
Sacramento City College
Pedestrian/Bicycle Overcrossing Project
(T15065700)





City of Sacramento
SUPPLEMENTAL AGREEMENT

Contract #: 2010-0789-3

Date: 04/24/12

Purchase Order #:

Supplemental Agreement #: 3

Job#: T15065700

Project Title: City College Light Rail Station Pedestrian/Bicycle Crossing

The City of Sacramento ("City") and Drake Haglan and Associates Inc., ("Contractor"), as parties to that certain Professional Services Agreement designated as Agreement Number 2010-0789 including any and all prior supplemental agreements modifying said agreement (said agreement and supplemental agreements are hereby collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

- 1. The Scope of Services specified in Exhibit A of the Agreement is amended as follows:

See Exhibit A, attached hereto and incorporated herein by this reference.

- 2. In consideration of the additional and/or revised services described in section 1, above, the maximum not-to-exceed amount that is specified in Exhibit B of the Agreement of Payment of Contractor's fees and expenses, is increased by \$79,324.00 and said maximum not-to-exceed amount is amended as follows:

The original not-to-exceed amount:	\$1,335,000.00
The net change by previous Supplemental Agreements:	\$158,300.00
The not-to-exceed amount prior to this Supplemental Agreements:	\$1,493,300.00
The contract sum will be increased by this Supplemental Agreement:	\$79,324.00
The new not-to-exceed amount including all Supplemental Agreements:	\$1,572,624.00

- 3. Contractor agrees that the amount of increase or decrease in the not-to-exceed amount specified in section 2, above, shall constitute full compensation for additional and/or revised services specified in section 1, above, and shall fully compensate Contractor for any and all direct and indirect costs that may be incurred by Contractor in connection with such additional and/or revised services, including costs associated with any changes in work schedules or in the performance of other services or work by Contractor. The time for the performance of the agreement is increased by Days by reason of the performance of the work required by this Supplemental Agreement.
- 4. Contractor warrants and represents that the person or persons executing this supplemental agreement on behalf of Contractor has or have been duly authorized by Contractor to sign this supplemental agreement and bind Contractor to the terms hereof.
- 5. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Contractor shall perform all the services, duties, obligations and conditions required under the Agreement, as supplemented and modified by this supplemental agreement.

Approval Recommended By:

Project Manager

Approved as to Form By:

City Attorney

Approved By:

Contractor

Approved By:

City of Sacramento

Attested to By:

City Clerk

Exhibit A
City College Light Rail Station Pedestrian/Bicycle Crossing
2010-0789
04/24/12

<i>Description</i>	<i>Amount</i>																
Supplemental Agreement #3																	
PCO # 3.0 Client Initiated Changes	\$79,324.00																
04/24/12 Attaching scope of work and fee schedule. Please see Attachment 1 to Exhibit A.																	
1 Items	Total for Change Order # 3																
	\$79,324.00																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">1 Change Orders</td> <td style="width: 20%;">1 Items</td> <td style="width: 40%;">Total for Contract # 2010-0789</td> <td style="width: 10%; text-align: right;">\$79,324.00</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>Totals By Reason</i></td> <td>Changed/Unforeseen Conditions</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2"></td> <td>Changes to Bid Documents</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="2"></td> <td>Client Initiated Changes</td> <td style="text-align: right;">\$79,324.00</td> </tr> </table>		1 Change Orders	1 Items	Total for Contract # 2010-0789	\$79,324.00	<i>Totals By Reason</i>		Changed/Unforeseen Conditions	\$0.00			Changes to Bid Documents	\$0.00			Client Initiated Changes	\$79,324.00
1 Change Orders	1 Items	Total for Contract # 2010-0789	\$79,324.00														
<i>Totals By Reason</i>		Changed/Unforeseen Conditions	\$0.00														
		Changes to Bid Documents	\$0.00														
		Client Initiated Changes	\$79,324.00														

Attachment 1



April 17, 2012

Ryan Moore
City of Sacramento
Department of Transportation
915 I Street, 2nd Floor
Sacramento, CA 95814

**SUBJECT: T15065700 - City College LRS Bridge- Project Fee Amendment Request
Amendment No. 2: Project Management, Architectural Detailing, and Potholing**

Dear Mr. Moore:

As discussed, attached is a contract amendment request for the additional work described below. In general, the amendment request includes additional work for project management, architectural design and lighting, and utility potholing.

The amount of the requested amendment for the additional scope of work is \$79,400 which revises the current contract amount from \$1,493,300 to a total of \$1,572,700.

TASK	FIRM	AMOUNT
1.0 - PROJECT MANAGEMENT	Drake Haglan & Associates	<u>\$15,131.38</u>
3.6 - PRELIMINARY ARCHITECTURAL DESIGN 4.1.3 - CONSTRUCTION DOCUMENTS	Callander & Associates	<u>\$13,659.00</u>
4.7 - UTILITY POTHOLING	Cardno TBE (Direct Cost to DHA)	<u>\$11,808.90</u>
6.0 - FOUNDATION PS&E	Drake Haglan & Associates/Blackburn	<u>\$38,724.44</u>
TOTAL		\$79,324

TASK 1 - PROJECT MANAGEMENT - \$15,131.38

This task accounts for additional project Management time in coordination the utility relocations and architectural design features.

TASK 3.6 PRELIMINARY ARCHITECTURAL DESIGN - \$8,360.00

Callander will prepare up to four (4) views of the main span bridge with the incorporation of the 3D rendering of the lighting scheme as designed and provided by the electrical engineer. The Lighting

scheme will be for the bridge only (See Attachment A for detailed scope and fee). However, this works also includes updating the renderings for the final aesthetic project elements. This work was not originally included in the scope and fee and is recommended to ensure the selected main bridge lighting fixtures properly illuminates the cables and arch of the bridge.

TASK 4.1.3 CONSTRUCTION DOCUMENTS - \$5,299.00

Callander will provide a site construction plan for the plaza pavement, retaining wall, and site furnishings including layout of elements, construction details, and technical specifications (See Attachment A for detailed scope and fee). This includes adding a circular retaining wall with provisions for a sculptural element, extending the planting area towards the plaza to provide buffer space between the ramp and pedestrians, adding in a bike rack/ seating area, and replacing the pavement at the plaza. While some of this work was originally anticipated in the scope and fee, the extent of the work was unknown at the time of the original scope and fee development.

As part of the Sacramento City College Bicycle/Pedestrian improvements construction document set (12th Ave. work), provide additional work for the irrigation plans including coordination of controller upgrade and additional irrigation design for new valves, lateral lines, and heads.

TASK 4.7 - UTILITY POTHOLING - \$11,808.90

CARDNO will perform Utility Potholing at 19 Locations to verify subsurface Utilities. This work was not originally anticipated as part of the project, but is needed with the SMUD 21kv relocation beneath 24th Street. The 21kv relocation is necessary due to vertical clearance conflicts from the bridge to the lower 21kv lines.

TASK 6 - FOUNDATION PS&E - \$38,724.44

TASK 6.1 - PROJECT MANAGEMENT - \$3,782.85

This task accounts for additional project Management time in coordination the utility relocations and architectural design features.

TASK 6.2 - FOUNDATION PS&E - \$20,609.61

DHA will prepare a separate PS&E package for constructing the cast-in-drilled hole piles for the easterly ramp and stairs. Anticipated work includes preparing contract plans, preparing technical specifications following Caltrans 2010 format, preparing the design and check quantities, and developing an "Estimate of Probable Costs". See Attachment C for detailed fee.

TASK 6.3 - CONSTRUCTION SUPPORT - \$11,466.37

DHA will provide construction support for the Foundation PS&E package. Duties include addressing RFI's, providing geotechnical support, determining structural and geotechnical adequacy if anomalies are detected in the piles, and preparing Contract Change Orders if necessary. See Attachment C for detailed fee.

TASK 6.4 - BRIDGE PS&E MODIFICATIONS - \$2,865.61

DHA will update the Bridge PS&E package to reflect the installation of the foundations under Task 6.0 and implement the as-built conditions into the Bridge PS&E package. See Attachment C for detailed fee.

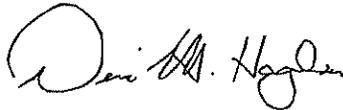
REQUEST TO ADD ADDITIONAL STAFF ON THE PROJECT

In addition, we are requesting to add the following staff to the project. Their loaded rates have been calculated with the same indirect labor rate as shown in our original fee proposal.

Employee Name	Classification	Hourly Rate	Loaded Rate
Guoping Xu	Sr. Bridge Engineer, Range C	\$55.00	\$164.87
Jennifer Grant	Bridge Engineer, Range A	\$39.45	\$118.25
Rebecca Bautista	Asst. Br. Engineer, Range A	\$32.00	\$95.92
Matt Lampa	Trans. Engineer, Range A	\$43.50	130.39
Scott Jones	Trans. Engineer, Range A	\$41.45	\$124.25
Anthony Boyes	Asst. Trans. Engineer, Range A	\$26.44	\$79.26
Alex Barba	CAD Draftsperson, Range B	\$32.50	\$97.42
Karen Drebert	Administrative Specialist	\$34.35	\$102.96
Chuan Hua	CAD Draftsperson, Range B	\$34.00	\$101.92

If you have any questions or would like further clarification of any of these documents, please call me at your convenience.

Sincerely,



Dennis M. Haglan, P.E.
Project Manager
Drake Haglan & Associates

ATTACHMENT A



Callander Associates
Landscape Architecture, Inc.

Via Email Only

March 8th, 2012-March 13th, 2012

ADDITIONAL SERVICES AUTHORIZATION #2- REVISED

TO: Dennis Haglan
Drake Haglan & Associates
11060 White Rock Road, Suite 200 Phone: (916) 363-4210
Rancho Cordova, CA 95827 Fax: (916) 531-6331

RE: CITY COLLEGE LIGHT RAIL STATION PEDESTRIAN/BICYCLE CROSSING /
Additional Landscape Architecture Services

The following additional services will be provided on this project in accordance with our agreement dated August 10, 2010 and are considered an amendment thereto:

Scope

TASK 3.6 PRELIMINARY ARCHITECTURAL DESIGN

Item 1.0

- a. Prepared up to four (4) views of the main span bridge with the incorporation of the 3D rendering of the lighting scheme as designed and provided by the electrical engineer. Lighting scheme will be for the bridge only. Submit *letter size color views of the model* for review.
- b. Provide dedicated ancillary computer processing time for model rendering.
- c. Allow for one (1) set of refinements to model after review and comment by the consultant team and City.

Item 2.0

- a. Incorporate detailed 3D renderings of the final design revisions and aesthetic elements into the already prepared model. Detailed design elements will include the ramp columns, railings, stairs, light poles, pavements and landscape. Submit *letter size color views of the model* for review.
- b. Allow for one (1) set of refinements to model after review and comment by the consultant team and City.

TASK 4.1.3 CONSTRUCTION DOCUMENTS

Item 1.0

- a. As part of the Sacramento City College Pedestrian/Bicycle Bridge construction document set, provide *site construction plan* for the plaza pavement, retaining wall, and site furnishings including layout of elements, construction details, and technical specifications.

311 Seventh Avenue
San Mateo, CA 94401-4259
T 650.375.1313
F 650.344.3290
www.callanderassociates.com

11180 Sun Center Drive, Suite 104
Rancho Cordova, CA 95670-6167
T 916.631.1312
F 916.635.9153
www.callanderassociates.com

Landscape Architecture
Urban Design
Land Planning
Park and Recreation Planning
Environmental Planning

Peter Callander, ASLA Principal
Mark Slichter, ASLA, Principal
Brian G. Fletcher, ASLA, Principal
Erik Smith, ASLA, Principal
Benjamin W. Woodside, ASLA, Principal

b. Allow for the same number of submittals and plan revisions as the original scope.

Item 2.0

- a. As part of the Sacramento City College Bicycle/Pedestrian improvements construction document set (12th Ave. work), provide additional work for the irrigation plans including coordination of controller upgrade and additional irrigation design for new valves, lateral lines, and heads.

b. Allow for the same number of submittals and plan revisions as the original scope.

Compensation:

ASA #2-Task 3.6, Item 1.0: Fees (based on the following estimate):

principal	2	hours	@	\$147/hour	\$ 294
associate	12	hours	@	\$117/hour	\$1,404
landscape architect (4)	2	hours	@	\$108/hour	\$ 216
word processor	20	hours	@	\$85/hour	\$1,700

Compensation for Task 3.6, Item 1.0 (*hourly with tentative allowance*)\$3,614

ASA #2-Task 3.6, Item 2.0: Fees (based on the following estimate):

principal	2	hours	@	\$147/hour	\$ 294
associate	10	hours	@	\$117/hour	\$1,170
landscape architect (4)	4	hours	@	\$108/hour	\$ 432
assistant (4)	30	hours	@	\$85/hour	\$2,550

Compensation for Task 3.6, Item 2.0 (*hourly with tentative allowance*)\$4,446

ASA #2-Task 4.1.3 Item 1.0.: Fees (based on the following estimate):

principal	4	hours	@	\$147/hour	\$ 588
landscape architect (4)	9	hours	@	\$108/hour	\$ 972
assistant (4)	30	hours	@	\$85/hour	\$2,550

Compensation for Task 4.1.3. (*hourly with tentative allowance*)\$4,110

ASA #2-Task 4.1.3 Item 2.0.: Fees (based on the following estimate):

principal	1	hours	@	\$147/hour	\$ 147
landscape architect (4)	6.5	hours	@	\$108/hour	\$ 702
assistant (4)	4	hours	@	\$85/hour	\$ 340

Compensation for Task 4.1.3. (*hourly with tentative allowance*)\$1,189

Reimbursable expenses and surcharges (*allowance of*):.....\$300

Total Estimated Compensation for Tasks 3.6 and 4.1.3\$13,659

Mr. Dennis Haglan

ATTACHMENT B

RE: CITY COLLEGE LIGHT RAIL STATION PEDESTRIAN/BICYCLE CROSSING / Additional Landscape Architecture Services

March 8th, 2012 March 13, 2012

Page 3 of 3

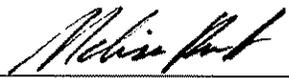
Schedule

Callander Associates will proceed to commence the above services upon receipt of a signed copy of this authorization.

Signatures

Landscape Architect

Agreed and authorized to proceed
for Drake Haglan & Associates:



Melissa Ruth, Project Manager 3/13/12
Callander Associates date
Landscape Architecture, Inc.

Dennis Haglan date
Drake Haglan & Associates

Attachments: Standard Schedule of Compensation 2010 RC



January 10, 2012

Dennis Haglan, P.E.
Principal/Project Manager
Drake Haglan & Associates
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

Sent via e-mail: dhaglan@drakehaglan.com

RE: Sacramento City College Pedestrian/Bicycle Bridge
Test Holes 1-19 (Utility Potholing)
Cardno TBE Proposal No.: 12CA042

Dennis:

Thank you for requesting that Cardno TBE prepare a cost proposal for test holes at approximately 19 locations as depicted in the **Proposed Pothole Maps** (Sheets 1-3, plot dated January 3, 2012) provided by you in an e-mail dated January 5, 2012. These test holes are intended to locate and identify existing utilities potentially impacted by improvements associated with the Sacramento City College Pedestrian/Bicycle Bridge as shown on the aforementioned maps. Our scope and fee proposal is based on the maps as well as our discussion relative to the project. We are confident that our vacuum excavation experience coupled with our extensive background in Subsurface Utility Engineering (SUE) will significantly benefit this project. We are pleased to submit this proposal and are open to further discussion as necessary regarding our scope and fee estimate.

General Scope

Cardno TBE utilizes non-destructive air vacuum excavation equipment for the purpose of exposing and precisely locating the exact horizontal (x, y) and vertical (z) position of existing subsurface utilities. We provide the added benefit of field crews that are extensively trained as utility locators that can assist in determining the optimal location for potholes. We will employ these services as necessary to better identify locations for exposing the existing utilities as shown on the aforementioned maps.

Project Scope

- Cardno TBE will perform air vacuum excavation for 19 test holes to precisely locate existing subsurface utilities at the prescribed locations. Our fees are based on the specific location of each test hole and corresponding surface conditions. By our review of the maps, we have estimated approximately 10 test hole locations anticipated to be beneath concrete or asphalt pavement and 9 test hole locations to be beneath turf or landscape surface. As such, our rate reflects the removal and replacement of the top asphalt surface with a cold patch restoration where applicable. For turf or

Cardno TBE

701 University Avenue
Suite 200
Sacramento, CA 95825
Phone 916.692.3100
Fax 916.923.6251
Email tbe@CardnoTBE.com

www.CardnoTBE.com

CA License # 776304
NV License # 0046767
AZ License # 135482
NM License # 360744
UT License # 7717736-5501



open areas, we will restore the landscape areas to original conditions as reasonably possible and will work toward minimizing disturbance of landscape in these areas.

- Cardno TBE will pre-mark the limits of work and notify USA North at least 48 hours prior to our field work.
- Cardno TBE will implement applicable Traffic Control as necessary for the work within the roadway and where traffic conditions warrant appropriate measures. We have currently estimated 1 day for their services with a one-person crew.
- Cardno TBE will obtain the vertical and horizontal location of existing exposed utilities with reference by swing ties to existing infrastructure. We assume a topographic survey of the existing surface elevation of each pothole location will be provided by others. If requested, Cardno TBE will revise this scope to include survey.
- Once the applicable data is collected and photographs taken of each pothole, Cardno TBE will backfill utilizing the previously extracted native material and repair the existing asphalt with a cold patch as applicable or will restore landscaped areas to as close to original conditions as possible. We will provide a PK nail and tag or iron bar at each pothole location for the surveyor to utilize as reference to obtain the top surface elevation above each utility.

Assumptions and Exclusions

- *Work to be performed during regular hours of the day. If night work becomes necessary, Cardno TBE will discuss the additional level of effort with Cardno WRG and adjust rates if necessary.*
- *Microstation/CAD drawing files to be provided by client prior to conversion of field test hole data forms. Any record or as-built drawings of existing utilities to be provided prior to field work.*
- *Pavement restoration is a cold patch restoration of equal or greater thickness to existing condition. A permanent hot patch restoration is not included and would be additional.*
- *Stockpile at Potholes 12 and 13 to be removed prior to vacuum excavation.*

Deliverables

Test Holes: Cardno TBE will provide a Test Hole Data Sheet for each Locate completed. The Test Hole Data Sheet will include measurements from existing surface features, coordinates and elevation (as provided by survey), material, depth and size of utility(ies). Each sheet will be provided in electronic CAD format as well as hard copies. The format shall be in Civil 3D 2010 unless otherwise requested by Drake Haglan & Associates.

Schedule

Test Holes: Cardno TBE will schedule the work at a date and time agreed to with Drake Haglan & Associates. We estimate completing the field test hole phase of this project within five (5) working days from contract execution, written notice to proceed and after the project limits have been marked by USA North. The electronic conversion of field data sheets will be completed after the field work under a timeframe to be discussed with Drake Haglan & Associates.

Fee

The applicable pothole scope unit rates and effort are described in the attached project estimate. The total project price may vary, plus or minus, due to unknown field conditions; however only the actual units and hours worked will be invoiced. Cardno TBE proposes to provide these services for the following fee of: **\$11,808.90.**



Limitations

It is Cardno TBE's responsibility to provide due-diligence in regards to records research (ASCE 38-02 Quality Level "D") and acquisition of available utility records. The due-diligence provided will consist of contacting the utility owners when necessary and the one-call system when required. Utilities that are not part of the "one call" system, or not shown in the provided records will be here forth referred to as "undocumented" utilities. Service lines to residences or business properties are not included in the SUE designating process. Compaction of backfill will be performed in one-foot lifts and compacted pneumatically.

Cardno TBE does not guarantee that all documented or undocumented existing utilities will be located by test holes. ***Services provided by Cardno TBE does not relieve excavator from notifying the appropriate entities including but not limited to USA North.***

Cardno TBE looks forward to the opportunity to work with Drake Haglan & Associates on the Sacramento City College Pedestrian and Bicycle Bridge project. We are confident these services will greatly benefit the continued design and construction efforts on the proposed project.

If you have any questions please do not hesitate to call me.

Sincerely,
Cardno TBE

A handwritten signature in black ink, appearing to read 'R. Hedrick', with a long horizontal flourish extending to the right.

Robert J. Hedrick, PE (CA# 69517)
Director, California

Cc: file

Attachments: Project Estimate



Sacramento City College - Test Holes
Pedestrian/Bicycle Bridge - Sacramento, California
Subsurface Utility Potholing
TBE Proposal No.: 12CA042
Date: January 10, 2012

PROJECT ESTIMATE			
TASK	RATE	QTY ESTIMATE	FEE ESTIMATE
SUE Quality Level "D, C & B" Designating			
Designating Subsurface Utilities 1 Person Crew (4 hour min.)	\$230 per hour	NA	NA
Designating Subsurface Utilities 2 Person Crew (4 hour min.)	\$275 per hour	NA	NA
Subtotal			\$0.00
Test Holes by Air Vacuum Excavation			
Test Holes beneath Asphalt/Concrete	\$550 per hole	10	\$5,500.00
Test Holes beneath bare ground	\$500 per hole	9	\$4,500.00
Test Hole Exceeding 6.99 feet (if applicable)	\$90 per foot		\$0.00
Subtotal			\$10,000.00
Professional Services			
Project Director - Test Hole Review	\$176.45 per hour	2	\$352.90
CAD Technician (Electronic Conversion of Test Hole Data)	\$76 per hour	6	\$456.00
Topographic Survey	by others	NA	NA
Subtotal			\$808.90
Permits, Licenses & Maintenance of Traffic			
Permit and Inspection Fee	actual cost	NA	NA
Maintenance of Traffic Set-up - 1 Person Crew (1 day est.)	\$1,000 per day	1	\$1,000.00
Subtotal			\$1,000.00
Mobilization / Subsistence			
Mobilizing: Designating Equipment & Crew (roundtrip)	\$2.86 per mile	NA	NA
Mobilizing: Vac-Truck, Equipment & Crew (roundtrip)	\$2.70 per mile	NA	NA
Per Diem: GSA Rates Vac-Truck (2 Person Crew)	\$194 per day	NA	NA
Subtotal			\$0.00
Miscellaneous Expenses			
Unknown Expenses	actual cost plus 12%		
** Asphalt / Concrete Permanent	actual cost plus 12%	0	\$0.00
** Project Manager: Asphalt / Concrete Permanent Patch	\$132.00 per hour	0	\$0.00
Subtotal			\$0.00
TOTAL			\$11,808.90

Notes:

- It is assumed application and coordination of Permit and Inspection Fees not required
- All work to be performed during regular hours of the day
- NA - Not Applicable or not included in this scope of work
- Survey of existing ground elevation at pothole locations to be performed by others.
- CAD file of plan and pothole locations to be provided by client for conversion of field test hole data sheets into CAD
- Test hole rates are based on air vacuum excavation only. Hydro-vacuum excavation would be extra
- Pavement Restoration assumed to be a Cold Patch Restoration. Hot Permanent Patch asphalt restoration would be extra
- Client to secure right-of-entry prior to any field work
- Cardno TBE to pre-mark site and contact USA North prior to work
- Stockpile of excess dirt to be removed at PH 12 and 13 prior to our work
- ** Only if permanent patch is required by local agency or property owner

Fee Itemization

**Geotechnical Services During Construction
Sacramento City College Pedestrian Bridge
Sacramento, California**



2491 Boatman Avenue
West Sacramento, CA
Ph: 916 375 8706
Fax: 916 375 8709

Date: April 17, 2012

Task	Item	Quantity	Rate	Unit	Mult.	Item cost	Task Subtotal
Geotechnical Services During Construction							
	Senior Project Mngr	30	\$185	hour	1	\$5,550	
	Project Assistant	5	\$90	hour	1	\$450	
	Mileage	40	\$0.85	lump	1	\$34	
							\$ 6,034
							Fee for Geotechnical Services During Construction: \$ 6,034

BCI will be available as needed (part-time) during the construction phase of this project.

Areas that BCI anticipates input include the following:

- Attend pre-construction meeting.
- Provide written response to Requests for Information (RFI)
- Site visits (as requested by the City) to confirm field-encountered conditions with respect to the geotechnical report recommendations for cast-in-drilled-hole pile excavations.
- Provide other geotechnical assistance during construction, as needed.

We estimate the hours for this task based on our experience with similar types of projects.

For this project we include time to attend the pre-construction meeting, answer questions regarding subsurface conditions, respond to requests for information, and up to four, 2-hour site visits. Actual hours may vary depending on factors unknown at this time. The scope for this task should be revised based on construction details and requested services.