

From: Shewit.Semere@CH2M.com
To: jjj@abfjv.com
Cc: pvaart@abfjv.com; Schram_Darryl_K@DOT; Haack_Angela@DOT; Garcia_Joe@DOT; Lyons_John@DOT; mmacdonald@abfjv.com; byee@abfjv.com; bpetersen@abfjv.com
Subject: FW: Request for approval: CCO330 SAS - E2 Shear Key Anchorage Post-Tensioning: (SDI additional cost)
Date: Thursday, July 25, 2013 9:25:33 PM
Attachments: [image001.png](#)
[image003.png](#)
[SDI_D12.6_Approval_Letter_07.22.13.pdf](#)
Importance: High

The Department concurs with SDI's additional cost of \$29,000.

Regards,

Shewit Semere, PE



155 Grand Avenue, Suite 800, Oakland, CA 94612
510.587.7775 (VM) | 510.219.8711 (Direct)
510.622.9275 (Fax) | ssemere@ch2m.com

From: Jennifer Ji [mailto:jjj@abfjv.com]
Sent: Thursday, July 25, 2013 4:20 PM
To: Semere, Shewit/BAO
Cc: pvaart@abfjv.com; bpetersen@abfjv.com; mmacdonald@abfjv.com; byee@abfjv.com; darryl.schram@dot.ca.gov
Subject: RE: Request for approval: CCO330 SAS - E2 Shear Key Anchorage Post-Tensioning: (SDI additional cost)
Importance: High

Shewit,

Per discussion over the phone with SDI, please find the attachment and answer in red. And the price is LS.

Thank you
Jennifer

From: Shewit.Semere@ch2m.com [mailto:Shewit.Semere@ch2m.com]
Sent: Thursday, July 25, 2013 3:46 PM
To: jjj@abfjv.com
Cc: pvaart@abfjv.com; bpetersen@abfjv.com; mmacdonald@abfjv.com; byee@abfjv.com; darryl.schram@dot.ca.gov
Subject: RE: Request for approval: CCO330 SAS - E2 Shear Key Anchorage Post-Tensioning: (SDI additional cost)

Jennifer,

See my questions:

1. XS steel pipe for strengthening duct in critical areas - \$7,000

- a. Does this cost include material and labor? **YES**

- 2. Prequalification of the D12.6 anchorage - \$22,000
 - a. What does this include? **Including all the material, equipment and labor to do the test**

Regards,

Shewit Semere, PE



155 Grand Avenue, Suite 800, Oakland, CA 94612
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From: Jennifer Ji [<mailto:jjj@abfjv.com>]
Sent: Thursday, July 25, 2013 1:16 PM
To: Semere, Shewit/BAO; 'Schram, Darryl K@DOT'
Cc: 'Peter Waart'; bpetersen@abfjv.com; mmacdonald@abfjv.com; 'Brandon Yee'
Subject: Request for approval: CCO330 SAS - E2 Shear Key Anchorage Post-Tensioning: (SDI additional cost)
Importance: High

Shewit and Darryl,

In recipient of CT's letter No. 05.03.01-011899 dated 7/8/13, we got a confirmation from SDI that the additional costs to the approved SDI's quote dated 6/14/13 (\$789,509) for CCO330 E2 Shear Key Anchorage Post-tensioning are as follows:

XS steel pipe for strengthening duct in critical areas	-	\$7,000
Prequalification of the D12.6 anchorage	-	\$22,000

Please review and provide your acceptance of the additional cost ASAP, so we can issue a change order to them.

Thank you
Jennifer

From: Jennifer Ji [<mailto:jjj@abfjv.com>]
Sent: Friday, July 12, 2013 4:57 PM
To: 'Shewit.Semere@ch2m.com'
Cc: 'Peter Waart'; 'Schram, Darryl K@DOT'
Subject: FW: CCO330 SAS - E2 Shear Key Anchorage: PT cost breakdown

Shewit,

Per discussion this morning, please find the breakdown and notes from Schwager Davis for CCO330

cost breakdown.

Thank you
Jennifer

From: Mike Schwager <mike@schwagerdavis.com>
Date: Fri, 12 Jul 2013 00:39:02 +0000
To: Mark Macdonald<mmacdonald@abfjv.com>
Subject: RE: CCO330 SAS - E2 Shear Key Anchorage: PT cost breakdown

Mark,

Attached is the breakdown of the of the cost summary as requested. As mentioned previously, these costs include the design up to June 14th, 2013 using the June 10th plan sheets but do not include the additional costs for the XS steel pipe or the expedited development and testing of the embedded D12.6 anchorage system which is currently underway. Also, to clarify our method of installation, the vertical tendons and embedded longitudinal tendons will be prefabricated and pulled in. The others will be installed by pushing strand by strand.

The additional costs not included in our original proposal are estimated as follows:

XS steel pipe for strengthening duct in critical areas	-	\$7,000
Prequalification of the D12.6 anchorage	-	\$22,000

Best Regards,

Michael Schwager, P.E.
Vice President



Post-Tensioning | Stay Cables | Form Travelers | Transit Systems | Energy Infrastructure | Mageba Products

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*Flex your power!
 Be energy efficient!*

July 22, 2013

Mr. Mike Schwager
 Schwager Davis, Inc.
 198 Hillside Avenue
 San Jose, CA 95136

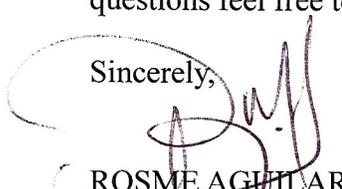
Dear Mr. Schwager:

Representatives of the California Department of Transportation (Department) visited your facilities on July 15, 2013 to witness system testing of the SDI D12.6 anchorage system. Based on the results of the test and the Department's review of the revised submittal (Document #0213000-TP-601 Rev.2, dated July 5, 2013) and your response letter dated July 11, 2013 we pre-qualify the use of the SDI D12.6 anchorage system at a **minimum concrete strength of 5,000 psi** as follows:

Component	Drawing No.	Revision	Notes
SDI D12.6 Anchorage System	SDI-HD-112	Rev.2 Dated 07-17-13	Dead-end system
SDI 12.6-PC Anchorage System	SDI-HD-014	Rev.3 Dated 07-19-13	Live-end to be utilized in conjunction with dead-end system as part of this approval
SDI C1.6 Anchorage	SDI-FD-074CT	Rev.1 Dated 07-05-13	See dead-ending procedure C1.6
SDI 0.6" 2-part Wedge	SDI-HD-021	Rev. 1 Dated 07-05-13	
C1.6 Dead-Ending Procedure	Document #0213000-WP-002	Rev.2 Dated 07-11-13	Power-seating of SDI C1.6 anchor must be utilized by push-in method as described herein.

The approval of the SDI D12.6 anchorage system is contingent upon satisfactory field performance and compliance with all contract requirements and is valid as long as the above mentioned drawings, dimensions and materials do not change. If any component of the system is modified or replaced - a requalification may be required. Before attempting to change system components or drawing revision levels contact the Department for direction. If you have any questions feel free to call me at (916) 227-7253.

Sincerely,


 ROSME AGUILAR
 Chief, Structural Materials Testing Branch
 Office of Structural Materials

cc: Robert Kim, SMTB
 Marc Friedheim, Structure Design
 Aaron Prchlik, SMR SFOBB