

# PROJECT SHOWING QUESTION AND ANSWER DETAILS

Project Number	Project Subaccount Number	Showing Date	Region
IM 0702-306	17815	NA telephone call	3

Resident Engineer	Project Engineer
Sean Yeates	Mike Curtis
Others In Attendance:	
Greg Hicks 877-474-1714 ext 324	

It is the responsibility of the bidder to verify all information within this document. If bidders use this information in preparing a proposal, it is used at their own risk. Bidders are responsible for all conclusions, deductions, and inferences drawn from such information.

Source of Question:

Greg Hicks of Tresco contacted me via telephone and email on 9/13/2011.

Question:

1) Is a subcontractor and alternative console manufacturer such as Tresco required to attend the mandatory pre-bid?

CDOT Response

Only prime subcontractors are required to attend the mandatory pre-bid. Subcontractors are welcome to attend.

Source of Question:

Greg Hicks of Tresco contacted me via telephone and email on 9/13/2011.

Question:

2) Can you please clarify if Project Number IM 0702-306 is a sole source console procurement to Evosite as per Section 109900 2.1.A.1

CDOT Response

Evosite was used as a design basis and is not a sole source console procurement. As long as a console manufacturer can meet the drawing and specification requirements subject to approval of BAW, the designer, CDOT has no issues. Tresco would be a reasonable alternative, contingent upon the review and approval of their bid, drawings, and specifications.

## PROJECT SHOWING QUESTION AND ANSWER DETAILS

PAGE:

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Source of Question:

Greg Hicks of Tresco contacted me via telephone and email on 9/13/2011.

Question:

2a) Section 109900 2.1.A.1 does state "or approved substitute by Architect" but, Section 012500 1.3.A.1 and Section 012500 1.3.A.2 regarding Definitions, along with Section 012500 2.1.B suggests that substitutions for convenience are "not allowed". Could you please clarify.

CDOT Response

BAW has indicated that Tresco consoles would be an acceptable substitution contingent upon the review and approval of their bid, drawings, and specifications.

Source of Question:

Question:

CDOT Response

Source of Question:

Question:

CDOT Response

**MANDATORY PRE-BID CONFERENCE AGENDA**

Project Number:	IM 0702-306	Resident Engineer:	Sean Yeates
Project Code (SA):	17815	Project Engineer:	Mike Curtis
Location:	Hanging Lake Tunnel Control Center		
Date:	September 20, 2011		
Time:	10:00 am		

**I. Attendance Roster**

Name:	DAMIEN LEY	Office Number:	241-5164
Representing:	MERRITT ASSOC	Fax Number:	241-8595
Street Address:		Cell Number:	
City, State, Zip:	OS, CO.	E-Mail Address:	merritt.associates@yahtco.com

Name:	JIM GABEL	Office Number:	970-434-9400
Representing:	GRAND MESA MECH, INC	Fax Number:	970-434-4710
Street Address:	534 31Y2 ROAD	Cell Number:	970-640-5035
City, State, Zip:	GRAND JCT, CO. 81504	E-Mail Address:	ygabel@gmmhvac.com

Name:	Kedron Thoma	Office Number:	3036962102
Representing:	SSG MED Inc	Fax Number:	
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City, State, Zip:	KUNSA, CO 80014	E-Mail Address:	kedron@ssgmed.com

Name:	TERRY HARRIS	Office Number:	970 524 7135
Representing:	Tri Phase Electric	Fax Number:	970 524 7640
Street Address:	325 HARDCRABBLE RD	Cell Number:	970 390 3904
City, State, Zip:	Gypsum, Colo 81637	E-Mail Address:	triphaseco@hotmail.com

Name:	TODD FERGUSON	Office Number:	970-241-4041
Representing:	STURGEON ELECTRIC	Fax Number:	970-241-1357
Street Address:	3775 Riverside Pkwy	Cell Number:	970-260-4595
City, State, Zip:	Grand Jct. CO 81501	E-Mail Address:	TFERGUSON@MYRAGROUP.COM

Name:	Kristina Kriesche	Office Number:	303 280 8000
Representing:	Sturgeon Electric	Fax Number:	
Street Address:	12150 E 11th Ave	Cell Number:	303 591 9274
City, State, Zip:	Henderson CO	E-Mail Address:	KKriesche@myrargroup.com

Name:	ROBERT GARRISON	Office Number:	970-242-4429
Representing:	HAINING REF.	Fax Number:	970-256-9003
Street Address:	582-A N. COMMERCIAL	Cell Number:	970-234-3006
City, State, Zip:	GRAND JUNCTION CO	E-Mail Address:	robert@hainingrefrigeration.com

Name:	Scott HARRISON	Office Number:	970-967-6707
Representing:	PACIFIC SHEET METAL	Fax Number:	970 967-6704
Street Address:	0744 INDUSTRY PLACE	Cell Number:	
City, State, Zip:	CARBONDALE CO 81628	E-Mail Address:	Scott@PACIFICSHEETMETAL.NET

Name:	Vern Ramsey	Office Number:	970 963-6563
Representing:	PACIFIC SHEET METAL	Fax Number:	963 6564
Street Address:	794 INDUSTRY PLACE	Cell Number:	379 5418
City, State, Zip:	Carbondale CO 81623	E-Mail Address:	verne@PACIFICSHEETMETAL.NET

Name:	Mark Briels	Office Number:	970-625-6128
Representing:	MARK BRIELS ELECTRIC INC	Fax Number:	970-625-3546
Street Address:	1415 AIRPORT ROAD	Cell Number:	970-948-6073
City, State, Zip:	Rifle, CO 81650	E-Mail Address:	mbriels@msn.com

**MANDATORY PRE-BID CONFERENCE AGENDA (continued)**

**I. Attendance Roster (continued)**

Name:	RUSSELL THRESSHER	Office Number:	970-748-8804
Representing:	ICON, INC.	Fax Number:	970-748-8803
Street Address:	PO BOX 2058	Cell Number:	970-471-3231
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Name:	Houston Wright	Office Number:	970-328-2694
Representing:	RTH Mechanical	Fax Number:	970-328-6234
Street Address:	PO Box 810	Cell Number:	970-471-5650
City, State, Zip:	Eagle CO 81621	E-Mail Address:	Hwright@randhmechanical.com
Name:	Mike Wrhcs	Office Number:	970-683-6277
Representing:	CDOT	Fax Number:	970-683-6290
Street Address:	222 5th 6th, Rm 100	Cell Number:	
City, State, Zip:	Grand Junction, CO 81501	E-Mail Address:	michael.wrhc@state.co.us
Name:	Ken Wymah	Office Number:	970-945-2328
Representing:	CLIMATE CONTROL CORP	Fax Number:	
Street Address:	PO Box 1042	Cell Number:	970-266-7174
City, State, Zip:	GLEWOOD SPRINGS CO 81602	E-Mail Address:	Kwymah@cccgws
Name:	THE PRINCE	Office Number:	970 257 9492
Representing:	Alvinne Howell INC.	Fax Number:	257 9667
Street Address:	331 517th St	Cell Number:	791 0791
City, State, Zip:	CO 81501	E-Mail Address:	bdp@consulators.com
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	

**MANDATORY PRE-BID CONFERENCE AGENDA (continued)**

**II. Project Organization and Status**

**A. Colorado Department of Transportation Organization:**

Resident Engineer:	Sean Yeates	Fax Number:	
Office Number:	970-683-6276	Home Number:	
Mobile Number:		E-Mail Address:	sean.yeates@dot.state.co.us
Project Engineer:	Mike Curtis	Fax Number:	
Office Number:	970-683-6277	Home Number:	
Mobile Number:	970-	E-Mail Address:	michael.curtis@dot.state.co.us
Assistant Project Engineer:		Fax Number:	
Office Number:		Home Number:	
Mobile Number:		E-Mail Address:	
Lead Tester:		Fax Number:	
Office Number:		Home Number:	
Mobile Number:		E-Mail Address:	
Hanging Lake Tunnel Operations.:	Steve Quick	Fax Number:	
Office Number:	970-945-3843	Home Number:	
Mobile Number:		E-Mail Address:	steven.quick@dot.state.co.us
OIT Representative:	Kim DeCoursey	Fax Number:	
Office Number:	970-683-6267	Home Number:	
Mobile Number:		E-Mail Address:	kim.decoursey@dot.state.co.us
<b>B. CDOT Design Consultant:</b>			
BAW:	Kurt Basford	Fax Number:	
Office Number:	303-388-9500 ext. 109	E-Mail Address:	kbasford@bawarch.com

<b>MANDATORY PRE-BID CONFERENCE AGENDA (continued)</b>
<b>III. SCOPE OF WORK</b>
<b>HANGING LAKE TUNNELS UPGRADE CONTROL CENTER UPGRADE (HVAC EQUIPMENT &amp; DUCTWORK, CONTROL ROOM CONSOLES, NEW VIDEO WALL (NOVATE CONTRACT), ELECTRICAL PANELS, CABLING &amp; WIRING, FINISHES)</b>
<b>IV. SITE RESTRICTIONS AND COORDINATION WITH OTHERS</b>
<b>ACCESS:</b> Each time the Contractor will be accessing Hanging Lake Tunnel and the Control Center they need to call HLT Console at 970-945-3840. Contractors will need to park personnel vehicles at Rest Areas east or west of HLT and van shuttle to HLT. Personnel vehicles can also be parked at the Glenwood Residency. No personnel vehicles shall be parked at the CDOT parking lots set up for emergency parking when there are road closures in Glenwood Canyon. All demo material must be hauled out daily and all equipment must be moved immediately if there is an emergency to allow emergency vehicles to access doors. Demo containers should be on wheels so they can easily be moved out of the way.
<b>WORK TIMES:</b> HLT is manned 24 hours a day 7 days a week. If assistance is needed from HLT personnel Contractor shall check with Steve Quick to see personnel schedule. Noise must be kept to a minimum as the temporary control center will be set up in the multipurpose room and that is the only access to the central control room, communications room, and computer room.
<b>SHUTTLE PARKING:</b> As discussed under ACCESS.
<b>MATERIAL STORAGE:</b> The control center is at level three. There is storage available in the fan room at level two also on level 3 adjacent to the fan rooms. Access is from the emergency parking area at level 1 through double wide doors at each floor level. There are existing overhead monorail beams and CDOT is obtaining a Jib crane with 2000 lb capacity in fan room where HVAC will be installed.
<b>SANITARY FACILITIES:</b> Contractor can use existing facilities but must keep clean. Multipurpose room must be kept clean also.
<b>COORDINATION WITH CDOT STAFF, NOVATE SUBCONTRACTOR, AND OIT:</b> Contractor must coordinate with Novate Solutions who will be responsible for installation of the video wall, CDOT personnel (Steve Quick, Pat Hawkins and HLT staff). Motorola and OIT will be installing Digital Trunk Radios into the control room consoles that are part of this construction contract.
<b>V. SITE WALKTHROUGH-QUESTIONS &amp; ANSWERS</b>
Contractors toured the multipurpose room where the temporary control room will be set up. The blinds must be set up in the temporary control room as operators will be in there 24 hours a day 7 days a week and light conditions must be controllable. The central control room, computer room, and communications room were toured. The last room to be toured was the fan room and elevated cat walk above the fan room floor at the same level as the existing platform that will be modified by CDOT to hold the new HVAC units. CDOT plans to tie the existing catwalk platform to the existing platform (changes to the platform design and size were necessary due to conflicting equipment) that will be widened so there will be access for the new units. The design drawings will be modified accordingly and issued as an ASI (Architect's Supplemental Instructions) so the contractors have a formal document. Any demo material shall be lowered through the hatches and contained in baskets or netting.
There will be no sprinkler work in the multipurpose room-only halon extension as shown in the plans and specifications.
While refinishing the doors in the multipurpose area and central control room, there are three doors that must be locked at all times (Steve Quick's office and telecommunication office off multipurpose room and office within central control room).
CDOT specifications Section 108, Paragraph 108.01 Subletting of Contract state that the Contractor will be permitted to sublet a portion of the Contract, however the Contractor's organization shall perform work amounting to 30 percent or more of the original total cost of bid items. Any items designated in the contract as specialty items may be performed by the subcontract. The cost of specialty items so performed by subcontract may be deducted from the original total cost of bid items before computing the amount of work required to be performed by the Contractor's own organization. CDOT will issue an addendum specifying which items are specialty items.
Since there is Federal Aid on this job wages are Davis Bacon per the information in the specifications.

**PROJECT SHOWING QUESTIONS AND ANSWER DETAILS**

Project Number	Project Subaccount Number	Showing Date	Region
IM 0702-306	17815	N/A	3

Resident Engineer	Project Engineer	
Sean Yeates	Mike Curtis	
Others in Attendance:		

It is the responsibility of the bidder to verify all information within this document. If bidders use the information in preparing a proposal, it is used at their own risk. Bidders are responsible for all conclusion, deductions, and inference drawn from such information.

Source of Question: Kristina Kriesche, Sturgeon Electric via email on September 22, 2011

Question: I had a question regarding the temporary and permanent wiring for the control booths. Could you clarify if the electrical contractor supplies the wire of all the low voltage, controls, and monitoring cabling. If the electrical contractor does supply and of the cabling could you please clarify the type of cable and quantity.

CDOT Response The low voltage communications cables are called out in the LV Cable Schedule on the Plans for each cable run with corresponding specs in the Project Specifications. The electrical contractor does supply all of the temporary and permanent wiring for the new control consoles and temporary consoles in the multipurpose room. The temporary wiring to the multipurpose will actually remain so it is permanent.

Source of Question: Kriesche, Sturgeon Electric via email on September 23, 2011

Question: Are the temporary cables going to be the same as far as the temporary screens are concerned? Also the Video rack will be provided by others correct.

CDOT Response For the permanent video wall, Novate will providing support system. For the temporary video wall (2 rows of 3 monitors) Contractor will provide video rack and Novate will set up monitors.

**PROJECT SHOWING QUESTION AND ANSWER DETAILS**

PAGE:

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Source of Question: Cecil Pennebaker, Western States Fire Protection Co. via email on September 25, 2011

Question: Is there fire sprinkler work with-in the center for the upgrade and remodel?

CDOT Response No, there is a short extension of one halon line as shown on the plans.

Source of Question:

Question:

CDOT Response

Source of Question:

Question:

CDOT Response

**MANDATORY PRE-BID CONFERENCE AGENDA**

Project Number:	IM 0702-306	Resident Engineer:	Sean Yeates
Project Code (SA):	17815	Project Engineer:	Mike Curtis
Location:	Hanging Lake Tunnel Control Center		
Date:	October 5, 2011		
Time:	10.00 am		

**I. Attendance Roster**

Name:	JOE MUELLER	Office Number:	970-384-0584
Representing:	MUELLER CONSTRUCTION SERVICES	Fax Number:	970-384-2518
Street Address:	1113 HUEBINGER DRIVE	Cell Number:	970-317-9574
City, State, Zip:	GLENWOOD SPRINGS CO 81649	E-Mail Address:	JMUELLER@MUELLERCONSTRUCTION.NET
Name:	Don Muldoon	Office Number:	303-790-4555
Representing:	Glaser Electric	Fax Number:	303-790-4566
Street Address:	12525 E Jamison Pl.	Cell Number:	730-635-1165
City, State, Zip:	Englewood CO 80112	E-Mail Address:	glaser@glaser-electric.com
Name:	Merritt & Associates	Office Number:	970-241-5164
Representing:	Merritt Sixbey	Fax Number:	970-241-8595
Street Address:	2102 Hwy 6+80	Cell Number:	970-261-1463
City, State, Zip:	Grand T J Colo 81305	E-Mail Address:	Merritt.Associates@vt-dot.com
Name:	ROBERT GARRISON	Office Number:	970-242-4429
Representing:	HAINING REF.	Fax Number:	970-256-9003
Street Address:	582-A N. COMMERCIAL DR.	Cell Number:	970-234-3006
City, State, Zip:	GRAND JUNCTION CO 81505	E-Mail Address:	robert@hainingrefrigeration.com
Name:	Pat Hawkins	Office Number:	970-945-3854
Representing:	C DOT	Fax Number:	970-945-3849
Street Address:	202 Centennial	Cell Number:	970-640-6280
City, State, Zip:	Glenwood Springs, CO 81601	E-Mail Address:	patrick.hawkins@dot.state.co.us
Name:	EVAN WALTON	Office Number:	970-434-9093
Representing:	FCL CONSTRUCTORS	Fax Number:	970-434-7583
Street Address:	3070 I-70 B	Cell Number:	970-985-0741
City, State, Zip:	GRAND JUNCTION CO 81502	E-Mail Address:	EWALTON@FCL.COM
Name:	JUSTIN MENDENHALL	Office Number:	970-434-9093
Representing:	FCL CONSTRUCTORS, INC.	Fax Number:	970-434-7583
Street Address:	3070 I-70 B	Cell Number:	
City, State, Zip:	GRAND JUNCTION, CO 81502	E-Mail Address:	JMENDENHALL@FCL.COM
Name:	Mike Welsh	Office Number:	970-683-6277
Representing:	C DOT R3 Traffic	Fax Number:	970-683-6240
Street Address:	222 South 6th Km 10	Cell Number:	
City, State, Zip:	Grand Junction, CO 81501	E-Mail Address:	michael.welsh@dot.state.co.us
Name:	Steve Quick	Office Number:	970-945-3840
Representing:	C DOT - HLT	Fax Number:	
Street Address:	102 Centennial St.	Cell Number:	
City, State, Zip:	Glenwood Spgs CO 81601	E-Mail Address:	Steve.Quick@Dot.State.CO.US
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	

**MANDATORY PRE-BID CONFERENCE AGENDA (continued)**

**I. Attendance Roster (continued)**

Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	
Name:		Office Number:	
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Name:		Office Number:	
Representing:		Fax Number:	
Street Address:		Cell Number:	
City, State, Zip:		E-Mail Address:	

**MANDATORY PRE-BID CONFERENCE AGENDA (continued)**

**II. Project Organization and Status**

**A. Colorado Department of Transportation Organization:**

Resident Engineer:	Sean Yeates	Fax Number:	
Office Number:	970-683-6276	Home Number:	
Mobile Number:		E-Mail Address:	sean.yeates@dot.state.co.us
Project Engineer:	Mike Curtis	Fax Number:	
Office Number:	970-683-6277	Home Number:	
Mobile Number:	970-	E-Mail Address:	michael.curtis@dot.state.co.us
Assistant Project Engineer:		Fax Number:	
Office Number:		Home Number:	
Mobile Number:		E-Mail Address:	
Lead Tester:		Fax Number:	
Office Number:		Home Number:	
Mobile Number:		E-Mail Address:	
Hanging Lake Tunnel Operations.:	Steve Quick	Fax Number:	
Office Number:	970-945-3843	Home Number:	
Mobile Number:		E-Mail Address:	steven.quick@dot.state.co.us
OIT Representative:	Kim DeCoursey	Fax Number:	
Office Number:	970-683-6267	Home Number:	
Mobile Number:		E-Mail Address:	kim.decoursey@dot.state.co.us
<b>B. CDOT Design Consultant:</b>			
BAW:	Kurt Basford	Fax Number:	
Office Number:	303-388-9500 ext. 109	E-Mail Address:	kbasford@bawarch.com

<b>MANDATORY PRE-BID CONFERENCE AGENDA (continued)</b>
<b>III. SCOPE OF WORK</b>
<b>HANGING LAKE TUNNELS UPGRADE CONTROL CENTER UPGRADE (HVAC EQUIPMENT &amp; DUCTWORK, CONTROL ROOM CONSOLES, NEW VIDEO WALL (NOVATE CONTRACT), ELECTRICAL PANELS, CABLING &amp; WIRING, FINISHES)</b>
<b>IV. SITE RESTRICTIONS AND COORDINATION WITH OTHERS</b>
<b>ACCESS:</b> Each time the Contractor will be accessing Hanging Lake Tunnel and the Control Center they need to call HLT Console at 970-945-3840. Contractors will need to park personnel vehicles at Rest Areas east or west of HLT and van shuttle to HLT. Personnel vehicles can also be parked at the Glenwood Residency. No personnel vehicles shall be parked at the CDOT parking lots set up for emergency parking when there are road closures in Glenwood Canyon. All demo material must be hauled out daily using dump truck and not a roll off and all equipment must be moved immediately if there is an emergency to allow emergency vehicles to access doors. Demo containers should be on wheels so they can easily be moved out of the way. If Contractor needs more than one vehicle at tunnel he shall make arrangements with Steve Quick in advance. One vehicle and trailer can be accommodated for with prior arrangements. Hanging Lake Rest Area and Grizzly Creek Rest Area can be used as parking area for Contractor personnel and also as area to park work equipment that is not needed at HLT. There is room at HLT for tools that are needed by the Contractor. The Contractor shall have a sign in list for all personnel on a daily basis in case of emergency at HLT so everyone can be accounted for.
<b>WORK TIMES:</b> HLT is manned 24 hours a day 7 days a week. If assistance is needed from HLT personnel Contractor shall check with Steve Quick to see personnel schedule. Noise and dust must be kept to a minimum as the temporary control center will be set up in the multipurpose room and that is the only access to the central control room, communications room, and computer room. The Contractor will have to set up dust barriers during demolition to control dust. Arrange all equipment transfers with Steve Quick and avoid doing this during 30 minute shift change. Shift change occurs at 7 am, 3 pm, and 11 pm on Monday, Tuesday, and Friday. Shift change occurs at 7 am and 7 pm on Wednesday, Thursday, Saturday, and Sunday. Contractor shall coordinate work schedule with Steve Quick and also weather forecasts. Workers shall be supervised 100% of the time.
<b>SHUTTLE PARKING:</b> As discussed under ACCESS.
<b>MATERIAL STORAGE:</b> The control center is at level three. There is storage available in the fan room at level two. Access is from the emergency parking area at level 1 through double wide doors at each floor level. There are existing overhead monorail beams and CDOT is obtaining a portable crane with 2000 lb capacity.
<b>SANITARY FACILITIES:</b> Contractor can use existing facilities but must keep clean. Multipurpose room must be kept clean also. There are kitchen facilities in the multipurpose room which can be used but must be kept clean.
<b>COORDINATION WITH CDOT STAFF, VIDEO WALL CONTRACTOR AND INTEGRATOR , AND OIT:</b> Contractor must coordinate with Video Wall Contractor (to be determined) who will be responsible for installation of the video wall, Video Wall Integrator (to be determined) who will be responsible for integration of the Video Wall with the Tunnel SCADA system, CDOT personnel (Steve Quick, Pat Hawkins and HLT staff). Motorola and OIT will be installing Digital Trunk Radios into the control room consoles that are part of this construction contract.
<b>V. SITE WALKTHROUGH-QUESTIONS &amp; ANSWERS</b>
Contractors toured the multipurpose room where the temporary control room will be set up. The blinds must be set up in the temporary control room as operators will be in there 24 hours a day 7 days a week and light conditions must be controllable. The central control room, computer room, and communications room were toured. The last room to be toured was the fan room and elevated cat walk above the fan room floor at the same level as the existing platform that will be modified by CDOT to hold the new HVAC units. CDOT plans to tie the existing catwalk platform to the existing platform that will be widened so there will be access for the new units. CDOT will provide final design drawings of the platform. Any demo material shall be lowered through the hatches and contained in baskets or netting. Contractor can use his basket system. CDOT personnel will operate all cranes. There will be no sprinkler work in the multipurpose room-only halon extension as shown in the plans and specifications.
While refinishing the doors in the multipurpose area and central control room, there are three doors that must be locked at all times (Steve Quick's office and telecommunication office off multipurpose room and office within central control room).
CDOT specifications Section 108, Paragraph 108.01 Subletting of Contract state that the Contractor will be permitted to sublet a portion of the Contract, however the Contractor's organization shall perform work amounting to 30 percent or more of the original total cost of bid items. Any items designated in the contract as specialty items may be performed by the subcontract. The cost of specialty items so performed by subcontract may be deducted from the original total cost of bid items before computing the amount of work required to be performed by the Contractor's own organization. CDOT has issues an addendum specifying which items are specialty items under Revision 1.
Since there is Federal Aid on this job wages are Davis Bacon per the information in the specifications.

Doors that are to be finished shall be finished off site because of smell and fire hazard. No permits will be required for work at HLT and CDOT personnel will inspect. CDOT Property Management may also appear on site and inspect work as they reviewed drawings to make sure ADDA and NEC were met. Contractor shall have Safety Program, Project Safety Management Plan, and safety meetings as outlined in CDOT Specification Paragraph 107.06 Safety, Health, and Sanitation Provisions. During demolition HALON System shall be disabled. Contractor shall be responsible for fire watch while system is disabled and coordinate with CDOT personnel in the event of a fire and have fire suppression equipment on hand to extinguish small fires and prevent a fire from occurring. Drawing A540 references MCPT-1 over the raised floor. The whole floor gets refinished. Console suppliers that been approved to date are EvoSITE and Tresco. EvoSITE contact is Steve Will at 281-496-0041. EvoSITE is located in Houston, TX. Tresco Consoles contact is Greg Hicks at 877-474-1714 ext 324 or 4035388324. Tresco is located in Calgary, Alberta, Canada. BAW will provide a 3D drawing of the consoles. Console and HVAC equipment must be approved by CDOT and BAW and RMH Group.

**PROJECT SHOWING QUESTIONS AND ANSWER DETAILS**

Project Number	Project Subaccount Number	Showing Date	Region
IM 0702-306	17815	N/A	3

Resident Engineer	Project Engineer	
Sean Yeates	Mike Curtis	
Others in Attendance:		

It is the responsibility of the bidder to verify all information within this document. If bidders use the information in preparing a proposal, it is used at their own risk. Bidders are responsible for all conclusion, deductions, and inference drawn from such information.

Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: How many new cabinets?

CDOT Response Reviewing sheet E202 there are three new cabinets.

Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: Do patch cords need to be provided?

CDOT Response Cable runs shown are installed and tested patch panel to patch panel. CDOT (OIT) will provide patch cords for final connections.

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Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: Check Low Voltage Cable Schedule Cable Run #19 on sheet E300.

CDOT Response Cable run #19 should have the 28 CAT6a cable (video wall) (gray) and 28 CAT6a cable (video wall) (orange) removed.

Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: Question on Existing Call Box Cabinet in the Computer Room on sheet E202.

CDOT Response The existing call box cabinet in the Computer Room should change the detail note from 9 to 10.

Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: Question on the detail note for the overhead (OH) cable run at the staircase between Office 305 and the Multi-Purpose Room.

CDOT Response The detail note needs to be changed from 6 to 16.

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Source of Question: Jeff at Sturgeon Electric on October 4, 2011

Question: Is fireblocking required?

CDOT Response Addressed in Section 271313 of Project Specifications (Special Provisions).

Source of Question:

Question:

CDOT Response

Source of Question:

Question:

CDOT Response

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Source of Question: Tresco Consoles

Question: How are the 2 section demountable acoustic partitions on the console to be finished?

CDOT Response If console manufacturer is unable to source the specified product, submit proposed alternative for Architect review and approval

Source of Question: Tresco Consoles

Question: How high is the demountable acoustic partitions to be?

CDOT Response T.O. demountable partition to be 42" above finished floor

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Source of Question: Tresco Consoles

Question: Are all 2 section demountable partition areas to be 2 sections?

CDOT Response Yes.

Source of Question: Tresco Consoles

Question: The console Programmatic Requirements list does not match drawing A500 and A510, and/or the equipment list, and/or Scan0012, such as;?

CDOT Response

- 1) Flat Panel Monitors: Verify requirements with CDOT in relation to SCADA display requirements at the console (4-20" Flat Panel Displays)
- 2) Coordinate DTR/VHF with CDOT OIT – DTR's under separate contract.
- 3) Two (2) and two (2) microphones per workstation. Verify with CDOT OIT

Source of Question: Tresco Consoles

Question: "Factory Wired electrical system" is outlined on the Equipment list but no further information is available. Is additional detail available?

CDOT Response Contact and coordinate with APEX Design, SSG, and CDOT OIT for further information. Contact information provided on G001. Refer to SSG since this is probably referring to junction box and internal electrical wiring to outlets in console. On low voltage communications side, each console will require termination hardware per detail note 6 on sheet E202. Console should have internal cable management to appropriately route data, voice and video cable and a separation strategy from electrical wiring (120 VAC).

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Source of Question: Tresco Consoles

Question: Drawing A500 Sheet Note #5 states 6' additional console cabling under raised floor, confirm entity requirement?

CDOT Response Cable to be provided by electrical contractor. Verify with CDOT OIT, SSG, APEX

Source of Question: Tresco Consoles

Question: Is a "single grommet mount monitor arm" as noted on the equipment list to be a pivot mount with vertical or horizontal articulation, or full articulation?

CDOT Response Provide mounting solution that allows for full and complete articulation that works appropriately with sit-stand console design.

Source of Question: Tresco Consoles

Question: Is the under-cabinet PC/Thin Client storage to be on a sliding tray? Can you please confirm the maximum equipment dimensions of the PC/Thin Client to be stored line item 11.0?

CDOT Response Provide a flexible solution that allows for adequate ventilation of PC/Thin Client. Coordinate and verify with CDOT OIT for PC / Thin Client maximum dimensions. CDOT has two models; one measures 7-1/4 inches by 6 inches by 3-1/2 inches. The second measures 5-1/2 inches by 8 inches by 2 inches (Pat Hawkins-CDOT HLT)

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Source of Question: Tresco Consoles

Question: Can you confirm the largest cpu/pc to be 18" x 18" x 7"

CDOT Response Architect unable to verify this information, coordinate with CDOT OIT.

Source of Question: Tresco Consoles

Question: CS-1 109900 – Does the 4" Brushed Stainless base refer to a 4" kickplate finished with Brushed Stainless Steel or Brushed Stainless Laminate? IT states refer to architectural drawings...

CDOT Response Please provide 4" Stainless steel kickplate around casework of the workstation to allow for increased durability over duration of console usage.

Source of Question: Tresco Consoles

Question: Can you confirm if the Control Console Cable Grommet reflected in RCF drawing A510 is this part of the \_\_\_\_ scope?

CDOT Response Verify with CDOT OIT, should be included with electrical contractor scope. If this is referring to the floor grommet, we do not expect this to be part of the console manufacturer's scope items. However, it should be part of the GC or low voltage contractor's scope item.

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Source of Question: Tresco Consoles

Question: The console programmatic requirements list does not match to the drawings and EvoSite equipment list.

CDOT Response Refer to drawing set. Console Programmatic Requirements is a coordination document during the schematic design phase. Not to be used at this point.

Source of Question: 3CE, LLC

Question: Who is responsible for tearing down their current console and removing?

CDOT Response: Prime Contractor. Coordinate appropriately.

Source of Question: 3CE, LLC

Question: Storage for the 3 consoles that won't be installed until after the renovation. On site or off sight.

CDOT Response All 5 console workstations to be delivered and stored on site. New console workstations are **NOT** to be used for cut-over phasing. CDOT has temporary work stations on site to be used in multi-purpose room for temporary control setup.

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Source of Question: 3CE,LLC

Question: There was a question about how the consoles will lay out: 3 front 2 back or 2 front and 3 back.

CDOT Response Refer to IFC drawings. 3 workstations in front, 2 workstations in back.

Source of Question: BAW

Question: Overall design requirements.

CDOT Response BAW can provide CAD file (dwg, dxf, rvt) of console design as required.

Source of Question: 3CE,LLC

Question: how much of the console would require the Kydex finish? Are there additional areas that would require it as well?

CDOT Response Provide Kydex at all casework, vertical surface, etc, less the work surface and demountable acoustic partitions.