

TG03 - Buttress, Shoring, Excavation - Issued for Bid

Questions are numbered in the order received. Question numbers missing in the sequence either have been answered or are still under review and will be published in future responses.

Question No.	Submission Date	Question	Response
TG0300-0001	8.10.2010	Reference Exhibit A, 2.A & 4.F A. Confirm \$25,000 dollar policy is required. Conflicts w/ 16.4 (page 11) of the LONG FORM SUBCONTRACT document. However, 16.9 says more stringent of requirements apply. B. Confirm duration of E & O insurance. EXB-A Section 4.F states insurance shall be maintained "...10 years beyond the Contract Final Completion Date..." Considering the internal bracing, trestle, and bridges are temporary shouldn't the policy only apply when the system is in use. Once removed (street level construction complete), the liability should shift to the permanent structure's design team as the station superstructure is erected. Taken literally, this could require the E & O maintained 17 years (7 years of construction + 10 years beyond).	A. The insurance requirements for this scope of work are as described in Exhibit A, Section VI. Insurance Requirements. B. 4.F of Exhibit A, Section VI. Insurance Requirements was revised in Addendum 2 stating the professional liability insurance maintenance period will be for a period of 3 years beyond the Contract Final Completion.
TG0300-0016	8.10.2010	Reference Exhibit A, VI.2.B. and spec. 00 08 05, 1.3.B Specification 08 05 1.3.B requires Professional Liability Insurance in the amount of \$10,000,000 each claim with a deductible not to exceed \$50,000 each claim. Exhibit A VI.2.b requires \$25,000,000 with a deductible not to exceed \$250,000. Q. Can you clarify why the Trade Subcontractor would be held to an amount higher than the CM/GC?	The Professional Liability and Commercial Liability requirements included in the TG03 BSE package are the same as those required during prequalification for this scope of work. All five prequalified Trade Subcontractors responded in the affirmative that they have "or can obtain a liability insurance policy issued by an insurance company licensed in the state of California" for these limits. These insurance requirements are higher than those required of the CM/GC under the prime contract due to the risk associated with the design-build aspects of the BSE work, and because the work will be performed by parties other than Webcor/Obayashi Joint Venture.
TG0300-0017	8.10.2010	Reference Exhibit A, BI.1.B and 00 08 05, 1.2.B Specification 08 05, 1.2.B requires Commercial Liability Insurance in the amount of \$25,000,000 each occurrence. Exhibit A, VI.1.B requires \$100,000,000. Q. Can you clarify why the Trade Subcontractor would be held to an amount higher than the CM/GC?	Refer to response TG0300-0016.
TG0300-0026	8.10.2010	Reference Exhibit A, Section VI Part 2A indicates the Trade Subcontractor must utilize surveyors who can provide \$25,000,000 of insurance. This will effectively eliminate many survey engineers from being able to bid on this work. The resultant effect will be higher bid costs. Please consider this and confirm what the insurance requirements are for land surveyors.	The intent of Exhibit A, Section VI.2.A is to require \$25,000,000 in professional liability insurance with respect to the design-build elements of the work, which can be obtained either by the Trade Subcontractor or its retained engineers. However, with respect to land surveyors only, the Trade Subcontractor or its retained engineers should only have to evidence \$1,000,000 in professional liability insurance covering that scope of work, consistent with the standard requirements set forth in Article 16 of the Long Form Subcontract. This will be included in Addendum 3.

TG0300-0079	8.19.2010	<p>Reference General Requirements - Insurance</p> <p>Says surveyor must carry professional liability of \$25 million/claim. What general liability would the surveyor need to carry? I assume it is not the \$100 million/occurrence as noted for the trade subcontractors. The insurance would cost the surveyor more than it would cost to survey the project.</p>	<p>With respect to land surveyors only, the Trade Subcontractor or its retained engineers should only have to evidence \$1,000,000 in professional liability insurance covering that scope of work, consistent with the standard requirements set forth in Article 16 of the Long Form Subcontract. This will be included in Addendum 3.</p>
TG0300-0092	8.20.2010	<p>Reference Exhibit A, paragraph section VI</p> <p>4.F. as written is commercially unavailable. The clause requires Trade Subcontractor to maintain professional liability coverage continuously throughout the the term of the Contract, and without lapse, for 10 years beyond the Contract Final Final Completion date. The maximum policy term commercially available is 10 years combined for the construction and extended reporting period. A more usual reporting period is 3 years. Please change the extended reporting period to 3 years, or revise the requirement to a total of 10 years. Carrying \$25,000,000 professional liability insurance for 10 years will add significant cost to the Project without corresponding benefit as the majority of the design performed by Trade Subcontractor is for temporary work rather than the permanent structure.</p>	<p>Refer to response TG0300-0001.</p>
TG0300-0093	8.20.2010	<p>Reference Exhibit A, paragraph 1.B</p> <p>Section 1.B requires the Trade Subcontractor to maintain \$100,000,000 Commercial General Liability Insurance. Section 16.7 of the proposed subcontract between Webcor and the Trade Subcontractor requires that Sub-subcontractors carry the same amounts of coverage. Potential SBE sub-subcontractors will not be able to provide \$100,000,000 CGL. As a result, Trade Subcontractors will not be able to reach the 24% SBE Goal. It is highly likely that all of the Trade Subcontractors will offer 0% SBE participation as a result of section 16.7. Please advise if Webcor intends to modify section 16.7 and if so, how will it specifically be changed?</p>	<p>In an upcoming addendum, the following language will be added to 1.B of Exhibit A, VI. Insurance Requirement: "Notwithstanding Section 16.7 of the Long Form Subcontract, the requirement to maintain \$100,000,000 in Commercial General Liability Insurance shall apply ONLY to the bidding Trade Subcontractor. Sub-subcontractors/Lower-Tier Subcontractors shall maintain the levels of Commercial General Liability Insurance set forth in Section 16 of the Long Form Subcontract agreement."</p>
TG0300-0096	8.23.2010	<p>Reference drawing sheet GT-2101, note 16.</p> <p>Note 16 on GT-2101 requires the internal bracing system to permit removal of wall segment X1-1 PRIOR to the completion of the excavation. When or at what stage of excavation will this wall be removed? Can tiebacks be used to support wall X1-1?</p>	<p>Temporary tiebacks are acceptable on wall segment X1-1. The embedded length of the tieback shall not exceed 50 feet.</p>
TG0300-0101	8.23.2010	<p>Reference drawing sheet D-2210.</p> <p>There is a discrepancy in the drawing versus the reference information dated 8/19/2004 (Webcor Existing Foundation Conditions - Hemisphere - 80 Natoma Street). The summary of production piles shown on Table 1 of the Webcor information indicates that Pile 129 was not installed. Also per the Table Pile 145-149 and 153, 154 were installed which are not shown on sheet D2210. Please clarify.</p>	<p>Information shown on D-2210 is based on the <i>80 Natoma Shoring Plans</i>. Webcor Builders, Tuan & Robinson Structural Engineers, Inc., May 6, 2004 (9 sheets).</p> <p>Information provided within:</p> <p>(a) <i>80 Natoma Existing Foundation Conditions</i>.</p>

			<p>Webcor Builders, August 19, 2004 (1 sheet) (b) Table, <i>Pile Layout Numbering Drawing</i>. Webcor, May 5, 2004 (1 sheet) (c) Table, <i>Summary of Production Piles</i>, T&R Project No. 2397.07 (11 sheets) (d) Drawings, <i>Tubex Grout Injection Pile Details</i></p> <p>American Pile Driving, Inc. (2 sheets) represents the as-built conditions and should be used for the extents of existing piles constructed as part of the 80 Natoma project.</p>
TG0300-0102	8.23.2010	<p>Reference drawing sheet D2213.</p> <p>Indicates that pile caps are already removed under Existing Terminal and Ramps Demolition Project. Sheet No. GT-5000 Section 1 shows that a portion of the pile caps are still existing. We assume that all pile caps and grade beams are removed under prior demolition contract on sheet D-2213.</p>	<p>Not all pile caps between Beale St. and Fremont St. will be removed under the Existing Terminal and Ramps Demolition Project (Contract No. 08-08-DM-000).</p> <p>Sheet GT-5000 is diagrammatic only. Extent of existing pile caps to be removed under the Buttress, Shoring and Excavation Project (Contract No. 08-04-CMGC-000) are shown on sheet D-2213.</p>
TG0300-0104	8.24.2010	<p>Per the Bid Documents, the Trade Subcontractor for the BSE package is responsible for removing the dewatering system. Is the Trade Subcontractor for the BSE package also responsible for pouring back the void left in the base slab once the dewatering well is removed? We also request confirmation that the waterproofing will be tied into the dewatering well casing by others. Finally, please provide a detail for abandoning the well casing in place.</p>	<p>TG03 Trade Subcontractor will not be responsible for the pouring back of the void. Waterproofing will be installed by others. Dewatering well casing shall be capped and left in place.</p>
TG0300-0105	8.24.2010	<p>Can we get a copy of Site Utilities Trade Packages:</p> <p>Package TG04.7 Package TG04.1 Package TG04.3 Package TG04.4 Package TG04.6</p>	<p>TJPA will provide utility drawings as reference drawings. This will be included in an upcoming addendum.</p>
TG0300-0106	8.24.2010	<p>Reference Exhibit A Please confirm that the "hazardous/High -PH" material that may result from the Perimeter Shoring Diaphragm wall, disposal costs will be included in the Shoring Wall Bid Items and not in the additive Class I and II Soil Disposal Premium.</p>	<p>Confirmed, only the existing hazardous material on site shall be included in the additive Class I and II Soil Disposal Premium.</p>
TG0300-0108	8.24.2010	<p>Reference drawing sheet GT-1111, Legend</p> <p>(TG0300-0058) requested: A. Please help to clarify the strut and waler system stiffness requirements. Our initial interpretation and the associated analyses indicate that strut and waler sizes increase very significantly over what would be required by strength considerations alone. Please provide a sample calculation or procedure for determining stiffness for comparison with the values given in kip per foot, per foot of wall. B. Pre-loading will</p>	<p>Refer to response TG0300-0058.</p>

		<p>take out a portion of the axial shortening of the struts. We assume that it is appropriate to subtract out that deflection from the stiffness calculation. Please confirm.</p> <p>Q/A Answers received this morning did not address this question, and can have a significant impact on the Contractor's design and potential for competitive underbidding of this project. We request your clarification on a priority basis as this may affect our decision to Bid this project.</p>	
TG0300-0109	8.25.2010	Response to question TG003-0044 states "Coordinate with and protect in place New active utilities (PG&E and Verizon) constructed by the private utilities that will be supported by the temporary bridge." Please advise where is the information regarding these new utilities so the Trade Subcontractor can review them prior to bid? How does the Trade Subcontractor obtain this information?	Refer to response TG0300-0105.
TG0300-0110	8.25.2010	Response to question TG003-0044 states "Protect in place New active sewers constructed as part of the Relocation of Utilities Project as shown on the plans." Please confirm that the project referenced is TG 04.5.1. As these are the only utility relocation plans available to the Trade Subcontractor, we need confirmation that these are the only drawings that must be reviewed prior to bid. If there are other plans the Trade Subcontractor must review in order to ascertain the impacts of new utility relocations, advise where they can be obtained.	Refer to response TG0300-0105.
TG0300-0119	8.25.2010	Reference drawing sheet GT-1110. Drawing defines four different design cases for temporary shoring design. Please specify limits for each case relative to building column lines.	The limits of these cases is shown on GT-1110, "Reference Design Location Plan," with the following clarification: the boundary between Case West and Case East occurs at Grid 17 as shown on drawing.
TG0300-0120	8.25.2010	Reference specification 31 23 19, paragraph 1.1.A. Please refer to our previous inquiry regarding dewatering. (TG0300-0099) The bid form docs show 72 mo for maint. However, the above spec section allows for "transfer of ownership." Our concern for 72 mo has to do with issues related to bond limits/duration; definition of final completion; and retention release. Also, what is the warranty period and when does it commence.	Refer to response TG0300-0099.
TG0300-0125	8.25.2010	Reference Project Bidding Manual 37/44. Please refer to the attached spreadsheet for status of QBD's submitted, corresponding TG Question number and response dates. Currently, there are a number (18) QBD's unanswered that were submitted as of 8/20/10. Request your review of this list and response to the unanswered QBD's as soon as possible.	Question numbers missing in the sequence either have been answered or are still under review and will be published in future responses.
TG0300-0126	8.27.2010	Reference drawing sheet GT-5102. Section 9/GT-5102 Indicates CLSM Shoring wall placed abutting the existing	The 301 Mission drawings show the grade beam on the 301 Mission side of the property line and therefore should not interfere with installation of the Transbay

		<p>301 Mission Wall. 301 Mission Drawings Sheet SH-31 Wall D section indicates a grade beam which may extend south past the wall line. This may interfere with the CLSM Shoring wall installation. Please provide more detail to confirm the coordinates of the existing building at 301 mission and the interface with the new CLSM wall, and confirm that the CLSM wall is sufficient to act as one side of shoring for the existing pile removal program.</p> <p>Submitted by Charles M. Gardner Kiewit Infrastructure West Co. 08/26/2010</p>	<p>Transit Center CDSM shoring wall. Regarding the adequacy of the existing 301 Mission shoring walls to act as one side of shoring for the existing pile removal program, no information regarding the as-built and as-remaining/buried condition of these walls has been provided. These walls should not be needed to retain earth on the 301 Mission side of the wall since the 301 Mission structure is deeper than the depth of excavation required to remove the timber piles. However, the integrity of the existing shoring wall to support itself is unknown.</p>
TG0300-0127	8.27.2010	<p>Reference page 22 of 44, note #17.</p> <p>Project Bid Manual Temp Power Page 22 of 44 note #17; calls out for Temp Power per Site Logistics Plan in exhibit A. This is on sheet SL-003 (see attached) Exhibit A -Scope of Package (general work) Page 6 calls for Temp Power skids to be used for dewatering only Base Bid Item Scope Page 11 #18 Dewatering System calls out for power to be provided per attachment #2 which is the Site Logistics Plan in exhibit A drawing SL-003. In this paragraph it also says that there might be power available for our use in this scope of work. Do we need to provide the 4-skid units as shown on attachment #2 Site Logistics Plan? If so please electrical load and voltage requirements. Documents imply there is an existing temp power system for the dewatering? If so please provide information & how it is to be modified for this project.</p>	<p>Refer to Exhibit A, Section IV.B.A.17 Temporary Power. Temporary power may be available by the time of the start of dewatering; however, Trade Subcontractor shall design system such that it can operate in the absence of temporary power.</p>
TG0300-0128	8.27.2010	<p>Reference page 22 of 44, note #18.</p> <p>Project Bid Manual Temp Lighting Page 22 of 44 note #18; states that the subcontractor is to provide per code all required temporary lighting.</p> <p>Do we need to provide pricing for this scope of work? If so, please provide site drawings with the layout of the Temp Site lighting with your requirements for this project.</p>	<p>The cost of temporary lighting shall be included in the base bid. The Trade Subcontractor shall provide all code required temporary lighting. Refer to Exhibit A, Section IV.B.A.18 Temporary Lighting.</p>
TG0300-0129	8.27.2010	<p>Reference Exhibit A - Scope of Package (General Work page 6 state.</p> <p>Exhibit A – Scope of Package (general work) Page 6 States 18 Temporary lighting Trade Subcontractor shall be responsible for installing and maintaining temporary lighting at the perimeter traffic/pedestrian barricades, at pedestrian walkways, and as required to provide code-minimum lighting at egress paths, as well as sufficient foot candle lighting levels to safety perform the work at all times, including within the excavation. At a minimum, Trade Subcontractor's lighting plan will include temporary poles at street level. In addition to supporting lighting, temporary poles shall include conduit for security cameras, power at the pole tops for security cameras, and mounting hardware for security cameras. Security cameras will be installed and maintained by others.</p>	<p>1. The cost of temporary power and lighting shall be included in the base bid.</p> <p>2. Yes, refer to the Documents for existing conditions.</p>

		<p>Temporary lighting work item includes, but is not limited to, installing lighting poles, installing all hardware, switch boxes, breakers, conduits, and pulling strings among temporary power skids/generators/lighting poles and maintenance required for temporary lighting works. Trade Subcontractor's lighting plan will be a submittal requirement for the project.</p> <p>Do we need to provide pricing for this scope of work? If so, are there drawings showing existing conditions and areas that require Temp Lighting, Street Lighting, and Pedestrian & Traffic Signal, size of Generator required, CCTV, and Electric Security requirements.</p>	
TG0300-0130	8.27.2010	<p>Reference Base Bid Items Scope #1.</p> <p>Base Bid Item Scope #1 Mobilization refers you to Section 01 15 05 which calls out in Summary of Work #3, to install temporary construction power and wiring. What temp power is this referring to? (Lay-down area, office trailers, etc.)</p> <p>Are we to provide pricing for this scope of work? If so, please define the scope of work required in SOW #3.</p>	Bidders shall include the cost of temporary power and lighting in the base bid. Refer to the Documents for the temporary power and lighting requirements.
TG0300-0131	8.27.2010	<p>Page 14 - Exhibit A #23 5- 23 Bridge at First Street call for street lighting at pedestrian walkways and hanging/un-hanging of existing utilities Page 13 Exhibit #24 Bridge at First Street call for removal street lighting.</p> <p>Do we need to provide temp lighting, or permanent lighting or both?</p> <p>Is lighting required on the bridge and on the underside? If so, what are the lighting requirements?</p> <p>Does the bridge work referenced here pertain to only the portion of the bridge that crosses over 1st street?</p>	Page 14 of Exhibit A refers to Construction Schedule and Milestones. Please clarify question.
TG0300-0132	8.27.2010	<p>CPM: The concept schedule provided in the Bid Documents does not provide sufficient details for Subcontractors to review risk and workforce requirements. We are requesting you to provide electronic Primavera files for the concept schedule, so we can apply sorts, review calendars, work weeks, restrictions, etc. Cost information can be terminated from these file, as we do not need that information.</p>	Electronic copy of the BSE Concept Schedule is not available. Please refer to the Div.00 and Div.01 Specifications for requirements of calendars, work weeks, and other restrictions.
TG0300-0133	8.31.2010	<p>Reference specification 00 08 05 and Exhibit A IV.2.A.</p> <p>Professional Liability Insurance limits cahnged to \$2,000,000 each occurrence in addendum #2 in spec section 00 08 05. Please confirm limits changed in Exhibit A VI.2.A to \$2,000,000 as well.</p>	Exhibit A professional liability requirements govern. Refer to response TG0300-0026 for survey liability requirements.
TG0300-0136	8.31.2010	<p>Reference specification 01 13 50 and 31 00 00.</p> <p>Specification Section 01 13 50 requires management of existing soils</p>	Confirmed. Please note that Section 01 13 50 should be read in tandem with 01 13 50/APA, Site Mitigation Plan.

		consistent with the Contract Documents. Specification 31 00 00 1.3.J states the Testing Agency is an, "Independent testing and inspection organization complying with ASTM E32 and employed by the TJPA to perform verification and testing..." Please confirm that TJPA will perform testing and will pay the cost for analytical testing associated with soil characterization of Class I and Class II material if required by the appropriate disposal facilities.	
TG0300-0137	8.31.2010	Reference specification 00 03 20-1, 1.5A. "Refer to section 00 08 11 Unforeseen or Differing Conditions, for the differing site conditions." This section is not included Please provide.	The section entitled "Unforeseen or Differing Conditions" is found in Section 00 07 00.3.05.
TG0300-0146	9.2.2010	Reference specification 02 41 01, 3.3.C.1. 1. referenced Specifications states, "...Contractor shall remove and dispose of as the Contractor's property the San Francisco Fire Dept's (SSFD) Auxillary Water Supply System (AWSS) High Pressure Piping in accordance with (AWSS) standard plans and specifications..." Please identify which lines are the AWSS lines and if any abatement procedures will be required. 2 Please confirm the existing 16" HPG line indicated on Survey drawing sht. 4 of 10 will be relocated and/or abandoned prior to construction.	The utility relocation drawings posted on the TJPA ftp site identify the AWSS lines that will be abandoned in the cross streets (First Street and Beale Street). The AWSS pipes come in 12 ft. lengths. The abatement procedure is the contractor's mean and methods, consistent with section 02 41 01.3.3C2 and 3. Refer to note 2, sheet D-2230 regarding abandoned utilities.
TG0300-0147	9.2.2010	Reference specification 01 15 70. Reference spec sections 2.1 E, 2.5 A, & 2.5 C. These sections state that Triton Barriers (or equal) must be used to separate traffic and pedestrians from construction areas, as well as traffic and pedestrians from each other. It also states that K-rail may not be substituted or used in conjunction with them. It is the contractors understanding that this means the entire perimeter of the job site will have to be barricaded off using Triton barriers and not K-rail. Please confirm.	Section 01 15 70.2.1E will be revised in an addendum to delete the words "and to separate traffic lanes and construction areas" at the end of the paragraph.