

SR 520 ADVANCED CONSTRUCTION METHODS AND ENGINEERING FOR PONTOONS

Questions and answers August 6 - August 17, 2009

Question Number	Date Received	Question	Reference	Response
1	8/6/2009	The FORM WORK Plans show pre-designed form work that does not allow used or rented forms. Will alternative form work be allowed?	Plan Sheets 39 thru 62	Part of the intent of this project is to analyze the form systems and methods, and the concrete placement and consolidation methods. For bidding purposes, estimate form work according to the plans.
2	8/7/2009	Our initial CPM shows about 120 work days without the stop time your specification requires. We request that WSDOT review and increase the work days to 120.		The discussion at the Pre-Bid meeting, clarified the Thermal Control Period and curing period as being simultaneous. We have also reviewed the working days and adjusted them as described in Addendum #2.
3	8/7/2009	We've analyzed the forms and there are many details that could be modified to our normal details. May we assume that our normal form details will be acceptable?		This was discussed at the Pre-Bid meeting. Part of the intent of this project is to analyze the form systems and methods, and the concrete placement and consolidation methods. For bidding purposes, estimate form work according to the plans and Addendum #2.
4	8/7/2009	The Contract Provisions require the concrete batch plant have an automated measuring device to measure the moisture content of the fine aggregates, and have the capability to automatically adjust the amount of batch water. Will manual adjustments be allow	Contract Provisions: Page 155, Lines 7 through 10.	In Addendum #2, manual calibration and adjustment to the batch water will be allowed so long as the calculation and adjustment is made for each batch of concrete produced and a record of the calculation and adjustment of each batch is provided to the Engineer at the point of acceptance.
5	8/10/2009	The Contract Provisions state the Bid Opening will be Wednesday, August 19, 2009. This seems like a short bid period for a project of this type. Will any consideration be made to extend the date of Bid Opening.	Contract Provisions: Page 141, Lines 33 through 34.	Consideration has been given and the decision has been made to not extend the date of bid opening.
6	8/10/2009	The Special Provisions list approximate quantities for Timber Faced Wall Forms. Where are they shown in the plans?	Contract Provisions: Page 163, Lines 13 and 28.	Addendum No. 2 will address this question and direct you to make revisions to plan sheets.
7	8/12/2009	Specification for FIELD OFFICE BUILDING requires Sanitary facilities. What does this mean?	Contract Provisions: Page 167, Line 12	Portable sanitary out house.
8	8/12/2009	The Special Provisions list approximate quantities for Timber Faced Wall Forms. Is the intent to use 3/4" MDO versus steel? Which wall forms will have timber face and which will have steel?	Contract Provisions: Page 163, Lines 13 and 28.	Addendum No. 2 will address these questions and clarify where timber faced wall forms are required.

8/18/2009

9	8/12/2009	The details show "DBL C6 WHALER" or some other call out for a C section but there is no mention of the weight as in C6X8.5	Sheets FW04, FW08, FW09, FW10, AND FW13.	Addendum No. 2 will address this question. It will direct you to Detail 3 on sheet FW10 that indicates C6X8.5 typical.
10		FW plans call for C6 walers. What is the weight per foot?	Sheets FW04, FW08, FW09, FW10, AND FW13.	Addendum No. 2 will address this question. It will direct you to Detail 3 on sheet FW10 that indicates C6X8.5 typical.
11		What are the series of 4" Bolt Holes running vertically at the middle of the pontoon for?	Sheet P11	The 4-inch diameter bolt sleeves will be used to attach additional pontoons to the floating bridge on Lake Washington. Large diameter high-strength bolts will be installed in these sleeves in the actual floating bridge. The 4-inch diameter bolt sleeves serve no purpose in the ACME project, other than to mimic actual pontoon wall conditions during pontoon casting.
12		The Special Provisions list approximate quantities for Timber Faced Wall Forms. Which wall forms will have timber face and which will have steel?	Contract Provisions: Page 163, Lines 13 and 28.	Addendum No. 2 will address this question and direct you to make revisions to plan sheets.
13		The Special Provisions discuss Green Cutting construction joints and then Tining to a depth of 1/4". How should this be accomplished?	Contract Provisions: Page 153, Lines 21 through 26.	Green-cutting is defined in the contract as removal of all scum, laitance, and loose material prior to initial set, but after consolidation of concrete. This is usually accomplished with a trowel. Tining is usually accomplished by dragging a rod through the concrete at the depth and spacing specified. The method that you choose to accomplish this is up to you.
14	8/13/2009	The Contract Provisions state the Bid Opening will be Wednesday, August 19, 2009. This seems like a short bid period for a project of this type. Will any consideration be made to extend the date of Bid Opening.	Contract Provisions: Page 141, Lines 33 through 34.	There are no plans for changing the Bid Opening Date at this time.
15	8/17/2009	The construction sequence shown on drwg. P4 through P6 shows all of the exterior formwork being installed at stage 1. Is it necessary to install all of the exterior wall forms at this time?	Sheets P4 through P6	The exterior wall forms are also used to brace the interior precast anchor gallery walls (Sheet FW22). WSDOT will be testing the thermal control with the actual forms that will most likely be used in the actual pontoon construction. Lastly, we also want to test the overall pontoon construction method (for efficiency) that we are thinking will result in the best pontoons completed in the shortest amount of time. Therefore, all of the wall forms need to be in place. For bidding purposes, assume all exterior formwork being installed per the plans.

8/18/2009