



**Clarifications, Publication No. 2**  
**February 3, 2009**  
**University Link Light Rail Project U220**  
**TBM Tunnel (UWS to CHS)**  
**IFB No. RTA/LR 001-09**

*These questions are for clarification only. Changes to the Procurement Document will only be made by formally issued addenda.*

RFI No.	Date Received	Addendum No. & Issued Date (If applicable)	Reference	Contractor's Questions	ST Response
1.			General	Could you please tell me if the subject project will have construction inspection services (QC) provided by the contractor, or will a separate contract be awarded for same? Will any quality assurance inspection (QA) be independently performed? Also, which firm is performing the project design?	The Contractor shall provide QC construction inspection services per 01 45 00 and all relevant technical specifications. Sound Transit will provide all QA construction inspection services. The U220 design was performed by a joint venture, Northlink Transit Partners.
2.			Contract Time	We couldnt locate the required time to conclude the contract, or Is the Contractors to submit their own Schedule?	See specification 01 12 16.
3.			Liquidated Damages	Volume 1 of 8 Section 00200 clause 10.02 and also Section 00300 clause SC-10.02 do not specify the amount of the Liquidated Damages, please clarify.	See specification 01 12 16.
4.			General	For the TBM tunnel, will Sound Transit be using conventional tunneling or is this micro-tunneling associated with the project.	There is no anticipated micro-tunneling on U220. Tunneling methods are specified in Specification 31 71 19 and 31 71 23
5.			Specifications	Please verify if there are any new elevators or vertical transportation systems in the project.	No, unless the Contractor elects to install any elevators or other vertical transportation systems for their use during construction.



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6.			Specifications	Does this project require construction inspection as a subconsultant?	Comply with Specification 01 45 00 and all technical specifications.
7.			Addendum 1: DBE and Small Business goals	The way this reads there is a 7.4% DBE goal and a 6% Small business goal of which 3% must include DBE. These goals are condition of award. Effectively the DBE goal is 10.4%, correct?	<p>No. The overall 7.4 % DBE goal is for the entire U-Link projects not just Contract U220. The U220 SBE/DBE Contract goals are: 6% Small Business Enterprise (SBE) of which ½ ( i.e. 3%) should be Disadvantaged Business Enterprises (DBEs).</p> <p>The U220 3% DBE goal is a subset of (i.e. is included in) the U220 6% SBE goal. Achievement of these goals is not a pre-condition of contract award. A Bidder's best-effort to achieve these goals is a requirement and pre-condition of award.</p> <p>Bidders are encouraged to forward questions of this issue via the Ebidsystem.</p>



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8.			Contract Specification: 31.09.00	Note 1 on the instrumentation drawings indicates that the number of structure settlement points shown are approximate only and that actual locations and quantities shall be determined in the field. Will the Contractor or Sound Transit determine the number of points in the field? And are the points shown on the plan the maximum number of points anticipated?	The number of structure settlement points shown on the plans are the maximum number of points anticipated.
9.			Contract Specification: 31.09.00	Spec 31 09 00, Section 1.07, B.2- indicates ST will obtain a Project Construction Permit, will this cover work that requires blocking off parking spaces on city streets, or will separate street-use permits be required?	This permit will cover all work in City streets; no other permits will be required.
10.			Contract Specification: 31.09.00	Spec 31 09 00 Section Part 1 General, 1.05, B. states " Perform all surveying activities under the direct supervision of a licensed Professional Land Surveyor registered in the State of Washington" Can you please define what is meant by "surveying activities" and if this includes monitoring of the surface, structure, and utility settlement points?	If surface, utility, and structure settlement points are to be monitored via optical or laser survey methods, then, the surveying activities need to be completed under the direct supervision of a licensed Professional Land Surveyor.



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11.			Contract Specification: 31.09.00	Spec 31 09 00, Part 1, 1.04, I indicates that two read-out devices are to be provided to ST, while specification Part 2 Products, 2.09, indicates "furnish one portable readout unit". How many readout units does ST require?	One readout unit for each type of instrument is sufficient (e.g., one readout unit for all VWP instruments; and one readout unit for inclinometers).
12.			Contract Specification: 31.09.00	Spec 31 09 00, 3.04, B. 2. requires inclinometer casing to be installed within 1 degree of vertical, this is typically not practical and we request revising to 3 degrees of vertical which can be met with conventional drilling equipment as demonstrated on past Sound Transit projects.	Vertical inclinometer s may be installed within 3 degrees of vertical.
13.			Contract Specification: 31.09.00	31.09.00, 2.11 G. specified that the Argus System provided by SINCO, or approved equal should be used for instrumentation data management. Previously on the Ulink 215 contract bid documents the GeoComp "iSite" system was specifically identified as being acceptable. Is the iSite still an acceptable system? Also is SolData's GeoScope Web an approved equal?	Yes, to both.



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14.			Contract Specification: 31.09.00	Spec 3 09 00 Part 2, 2.10, G, Requires relaying instrumentation reading to the Contractor's and Sound Transit's trailers. The specified instrument data management system "Argus" is a web based system. Will instrumentation readings still have to be sent to the Contractor's and Sound Transit's trailers? This was not required on the U-215 contract.	Data will be made available to contractor, ST, and interested thrid parties via the web-based IDMS.
15.			Contract Specification: 31.09.00	Part 2, 2.11, G, identifies SINCO's "ARGUS" system or approved equal, as the Instrumentation Data Management System. Previously on the U215 contract GeoComp's "iSite" system was specifically identified as being acceptable. Obviously ST has previously reviewed the "iSite" system. Is GeoComp's "iSite" system acceptable for the IDMS on this contract?	Yes.
16.			Contract Specification: 31.09.00	Section 31 09 00 Part 2, 2.11, G, identifies SINCO's "ARGUS" system or approved equal, as the Instrumentation Data Management System. Previously on the U215 contract other web-based systems were specifically identified. Is "GeoScope Web" provided by SolData acceptable for the IDMS on this contract?	Yes.



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17.			Contract Specification: 31.09.00	Spec 31 09 00, Part 2, 2.10, G - requires electronically relaying hourly logged readings to the Contractor's and ST's office. According to Sheet L10-KM900 there are no instruments requiring hourly readings. What hourly readings are being referred to?	Monitoring will be accomplished in accordance with the tables on Sheet L10-KM900.
18.			Contract Specification: 31.09.00	Spec 31 09 00, Part 2, 2.10, G - requires electronically relaying hourly logged readings to the Contractor's and ST's office. We understand SINCO's ARGUS system is a Web-based system so will it still be necessary to relay readings to ST and the Contractor's offices?	It is expected that ST and the Contractor and interested third parties would be granted to access to the web-based IDMS to view data.
19.			Contract Specification: 31.09.00	What is the monitoring schedule of the structure settlement points on temporary shoring elements?	Refer to Specification Section 31 09 00 3.06. E. for the monitoring schedule for temporary shoring elements.
20.			OCIP Manual	The combined CGL and Excess Liability provides \$102 million during construction. Since this is a multi year contract will these limits be re-instated annually or are the limits the total limits for the duration of the project?	Reinstated annually.
21.			Special Conditions 8.01C	OCIP: The contractor is responsible for payment of the first \$250,000 of each policy's deductible. Do these policies have a "per claim" of "per occurrence" deductible?	All policies have a "per occurrence" deductible.