

I-5/SR 432 Talley Way Interchanges
Question and Answer #15 - December 2, 2009

#	Reference & Page #	Question	Date Received	Response
1	IL12, IL14	What types of foundations shall be used for the luminaires that are not bridge or barrier mounted or listed in the schedules on IL12 and IL14?	10/05/09 3:45 PM	See Addendum #1. A schedule listing the luminaire foundation type from Standard Plan J-28.30-00 has been added to sheet IL14.
2	Contract Provisions pp 169-170	Will a CAD file containing a digital terrain model be available prior to bid opening?	10/07/09 8:30 AM	The contractor can request in writing this information after the execution of the contract.
3		Are roadway cross sections at uniform intervals available prior to bid opening?	10/07/09 8:30 AM	The roadway cross sections are available at the project office (see address on previous page). They will be posted online. A link will be provided by the end of next week.
4	Contract Provisions pp 201-202	Can you please send me the spec for the biaxial geogrid used for the Geosynthetic Retaining Wall, Geosynthetic Reinforced Embankment Type A, and Geosynthetic Reinforced Embankment Type B	10/07/09 3:38 PM	The specification for the Geosynthetic Retaining Wall can be found in Standard Plan D-3. The specification for the Geosynthetic Reinforced Embankments can be found in the Contract Provisions pp. 201-202.
5	SQ14	Why aren't walls P6, P7, R5 and R6 paid for under Items 210 and 211? The shotcrete facing for these walls have a bid item, why not the walls themselves?	10/07/09 9:56 AM	Quantities will be addressed by Addendum
6		See question 3	10/07/09 8:30AM	The cross sections been posted at the following address: http://www.wsdot.wa.gov/biz/contaa/wsdotpro/GE O-TECH%20REPORTS/DEFAULT.HTM
7	Addendum 1, Item 8	Is the gradation specification for the Special Select Borrow Incl. Haul material correct?	10/07/09 9:38AM	The gradation specification is not correct, it will be addressed by Addendum.

8	AL1-AL10	Please provide northings and eastings for all of the alignments (for at least the beginning station of the alignment)	10/15/09 3:13 PM	This information is available at the project office (see address on previous page).
9	Standard Plan D-3	In Standard Plan D-3 the table for Geosynthetic Reinforcement Length and Dowels, L (geosynthetic reinforcement length) represents the length of #4 epoxy coated dowel bar length horizontal into the wall?	10/19/09 11:00 AM	In Standard Plan D-3, "L" is the length of the geosynthetic reinforcing. The length of the #4 epoxy coated dowel bar can be found in Key Notes 1 on Sheet 1 of 3.
10	Standard Plan D-3a	Standard Plan D-3a calls for welded wire fabric for concrete reinforcement as 4"x4" W2.9 or 6"x6" W4.0. Which is required in this contract?	10/19/09 11:00 AM	Either one is allowed, but is only required for shotcrete facing. It is not required for cast-in-place concrete fascia.
11		What roadway crossings need to be bored?	10/20/09 07:25 AM	See Standard Specification 8-20.3(5)
12	IL3-IL4	What size nema 4 boxes for under deck lights? Are the nema boxes and under deck lights surface mounted?	10/20/09 07:25 AM	The size of the nema 4 box will be addressed by addendum. See bridge sheets BR6 and BP8 for mounting details.
13		How many expansion deflection joints will be needed?	10/20/09 07:25 AM	Locations and spacing requirements for the conduit expansion and deflection fittings in bridge traffic barrier can be found on sheets BP29-31 and BR29-31. Spacing requirements for the conduit expansion and deflection fittings in moment slab traffic barrier can be found in standard specification 6-10.3(2)
14		Where can we get a soil report to know what will be encountered on the new high mast luminaire bases?	10/20/09 07:25 AM	The project boring logs and geotechnical report can be found at the following site: http://www.wsdot.wa.gov/biz/contaa/WSDOTPRO/default.htm
15	Contract Provisions pp 312-313	What is the specification for the under deck lights?	10/20/09 07:25 AM	See Standard Specification 9-29.10(4) and the supplemented Contract Special Provisions.
16		On the signals you're calling out a 4° instead of opticom wire. Is this correct?	10/20/09 07:25 AM	Yes. 4° is required.

17	ITSD1	Can't find wire note 23 on the drawing	10/20/09 07:25 AM	See sheet ITS1.
18	ITSD1	Is the RGS at the bottom of the wiring schedule just for pipes entering foundations?	10/20/09 07:25 AM	See note on sheets ITS1-ITS7
19	ITSD1	Wire note 22 has a 6 smfo that references the signal plans for an interconnect. I can't find the interconnect on the signal plans and the signal wire notes show no fiber being used.	10/20/09 07:25 AM	The interconnect plan and details are on sheets U17 and U18.
20	Contract Provisions p. 244	Specials say to put in piezometers but ITS4 doesn't show them.	10/20/09 07:25 AM	This will be addressed by addendum.
21	ITS4	Data system construction note 5 tells me about the cctv cabinet but not about the data cabinet.	10/20/09 07:25 AM	See Construction Note 5 on sheet ITSD1.
22	Contract Provisions p. 246	Indicates cabinet dimensions can be found in plans. Are the CCTV and data cabinets the same size?	10/20/09 07:25 AM	The CCTV and Data Station Cabinet dimensions can be found on sheets ITSD9 and ITSD10.
23	SQ7	Bid Items 120 and 122 quantities are 7 each, but I can't find that many luminaires. Do the electricians or someone else form the foundations?	10/20/09 07:25 AM	Items 120 and 122 will be addressed by addendum. Contact the prime contractor to determine who is responsible for forming foundations.
24	IL?	I think luminaire 38 should be item 120 and luminaires 15-18,39-41 should be item 122.	10/20/09 07:25 AM	This will be addressed by addendum.
25	IL1, IL14 (Add #1)	What type of foundation is required for Luminaire 14?	10/20/09 04:15 PM	This will be addressed by addendum.
26		On the Moment Slab Traffic Barrier bid item are the barrier and moment slab both paid under the same item?	10/21/09 10:32 AM	Yes. Both are covered by Item 123.
27	BS19	What item is the 20' section of cast-in-place barrier transition paid under?	10/21/09 10:32 AM	It will be paid under Item 121. See Standard Specification 6-10.5.
28	ITDS5	What is the model # for the microwave antenna?	10/21/09 02:13 PM	It is the 2nd antenna in the Solectek 4301 PTP kit that is installed at I-5 MP 36.96 (see ITSD4).

29	BP6	What item is the C.I.P. Barrier Termination paid under?	10/21/09 04:00 PM	The quantities are incidental to the bridge pier. It will be paid under Items 55 and 56.
30	Contract Provisions p. 169	The provision states WSDOT is responsible for the initial horizontal and vertical control points. Is this true for the entire project? Is it the contractor's responsibility to complete construction survey?	10/21/09 04:00 PM	This special provision applies to machine control grading. See Standard Specification 1-05.4.
31	ITSD16	For the WSDOT SWR HQ (to be installed by others) detail, is the contractor or others required to supply the equipment	10/21/09 04:20 PM	See Contract Provisions pp. 269-270.
32	Contract Provisions pp. 173-175	Is there a Disadvantaged Business Enterprise (DBE) requirement for this project?	10/21/09 03:45 PM	There is no DBE requirement for this project. There is a Minority and Women's Business Enterprise (M/WBE) voluntary goal of 8%. See Contract Provisions p. 175.
33		See question 3	10/07/09 8:30AM	The detour cross sections are available at the project office (see address on previous page). They will soon be posted online.
34		Will only state prevailing wage rates apply to this contract?	10/23/09 07:31 AM	The contract will be subject to the minimum wage requirement of RCW 39.12 and 49.28, so state prevailing wage rate tables located in the contract provisions shall apply.
35		Are the form ties that hold the forms for the "Cast-in-Place Concrete Fascia" paid for under the Geosynthetic Retaining Wall or the Cast-in-Place Concrete Fascia item?	10/22/09 03:04 PM	See Standard Specification 6-14.5.
36		Why are cross-sections for LR-line (I-5) posted online?	10/23/09 01:00 PM	LR-line cross sections have been removed from the web.
37	SQ1,RP1, RP5-10	There appears to be several quantity inconsistencies between the SQ and RP sheets?	10/23/09 02:03 PM	This will be addressed by addendum.

38	BS15	A callout on the elevation view indicates that a spiral termination detail can be found on sheet SB27, but that sheet doesn't exist.	10/26/09 10:02 AM	This will be addressed by addendum.
39	SAP1	The roadway excavation quantity seems high.	10/29/09 02:14 PM	The roadway excavation quantity includes removal of the existing I-5 SB to 432 EB ramp (see sheet SPD1) as well as DT1 when it is no longer needed.
40		What do the embankment compaction quantities account for?	10/30/09 12:07 PM	Embankment compaction applies to all fill material except specific items that include compaction requirements (e.g. gravel borrow for geosynthetic retaining wall incl. haul and geosynthetic reinforced embankment type a and b).
41	Contract Provisions pg. 192	How big is the building to be removed?	10/30/09 08:00 AM	It is approximately 1,700 ft ² .
42		How are removal of the detour roadways paid for and where is this shown in the plans?	10/29/09 02:00 PM	Detour roadway removal is paid for under "removing asphalt concrete pavement" and "roadway excavation incl. haul." It is shown on sheets SPD1 and SD1-SD7.
43	IL1	What is the foundation type for luminaire #14	11/03/09 10:06 AM	See the Luminaire Foundation Recommendations and addendum referenced in the Summary of Geotechnical Conditions. This report can be found at the following link: ftp://ftp.wsdot.wa.gov/contracts/I5TalleyWayGeotech
44		Is there a list of approved impact attenuators for use with bid items 126 and 127?	11/03/09 09:00 AM	Notes 23 and 28 on QT5 and QT 6 provide the design speed to select the type of permanent impact attenuator. For Temporary Impact Attenuators the Contractor shall choose a model to fit the conditions shown in the plans. See QT2 for locations of the Temporary Impact Attenuators.

45	SQ17	Is the concrete slope protection quantity of 3179 SY correct or should it be SF?	11/04/09 07:58 AM	This will be addressed by addendum.
46	GI3-GI4	Tip elevations for the gravel drains are given for the P-line. What are the tip elevations on the R-line?	11/04/09 08:53 AM	This will be addressed by addendum.
47		Where is the wetland excavation material from Sandy Bend wetland mitigation site supposed to be used or disposed of?	11/04/09 01:30 PM	This will be addressed by addendum.
48	GI5	In the unsuitable foundation excavation table the excavation total and the fill total have approximately the same quantity but have different units. Is this correct?	11/04/09 04:59 PM	No. Fill quantities will be adjusted by addendum.
49	RP1-RP19	Units for special select borrow are listed as CY, but in the SOQ they are tons. Which is correct?	11/04/09 04:59 PM	Special select borrow quantities and units are correct in the SOQ. The roadway profiles will be addressed by addendum.
50		Does the contractor get paid embankment compaction when items 22-24 are used?	11/04/09 04:59 PM	See question #40 above.
51	IL15	How long will the temporary illumination system need to be in operation?	11/05/09 08:54 AM	See Standard Specification 8-20.3(1).
52	IL3-IL4	How many expansion joints will be needed for the underdeck lighting?	11/05/09 08:54 AM	See "Conduit Deflection Fitting A" on sheets BP31 and BR 31 and note 2 on sheets BP8 and BP6.
53	SQ4	Where will HMA for preleveling and pavement repair be used?	11/05/09 10:00 AM	See construction note 5 in the Stage A plans and construction notes 5,10 in the Stage B plans for prelevel locations. The pavement repair item will be addressed by addendum.
54	IL1	What is the foundation type for luminaire #14	11/05/09 08:54 AM	This will be addressed by addendum.
55		Is there a list of approved impact attenuators for use with bid items 126 and 127?	11/03/09 09:00 AM	This will be addressed by addendum.

56	SQ5, WA2-WA3	The SOQ shows that 376 LF of Bridge Rail Cable Fence is to be installed along Wall P1. Plan sheets WA2 and WA3 show that moment slab barrier is to be installed, not cable fence. Please clarify.	11/16/09 11:37 AM	This will be addressed by addendum.
57	Contract Provisions p. 169	Is it your intent that the contractor be responsible for roadway survey (what about structure survey)?	11/17/09 08:37 AM	WSDOT will provide the roadway and structure survey for this project as defined by section 1-05.4. Section 1-05.9 will apply if the Contractor elects to use machine control grading. It is not the intent of this special provision to transfer the responsibility of the survey to the Contractor if they elect to use machine control grading.
58		In the signal and illumination systems where can PVC vs. rigid conduit be used?	11/19/09 10:50 AM	See Standard Specification 8-20.3(5).
59		See question 14	10/20/09 07:25 AM	Additional Geotechnical Reports have been posted at the following location: http://www.wsdot.wa.gov/biz/contaa/WSDOTPRO/default.htm
60	WD5	Is domestic steel required for the bridge rail cable fence?	11/20/09 08:41 AM	No. The contract does not require the use of domestic steel.
61	Contract Provisions Pg. 196	Is all the pond excavation required to be used for the berms or could we use what was needed for the berms and embank the excess if it is suitable?	11/20/09 01:26 PM	Any surplus pond excavation material that is suitable for use as special select borrow can be used in the embankments.
62	DD5, DD7, DD9, DD11, DD13, DD15	Is the compost blanket addressed in the ponds in addendum #3 the same as the "treatment liner-see special provisions" referenced on the drainage detail plans?	11/20/09 03:59 PM	No. See construction note 2 of the drainage details in addendum #3.
63	RSD1, GI5	What application is the gravel borrow (Bid Item #23) to be used for?	11/20/09 03:59 PM	See "Geosynthetic Reinforced Embankment Detail" on sheet RSD1 and the "Unsuitable Foundation Excavation" on sheet GI5 .

64	SP1-SP3	Plans show utility lines to be abandoned. What method is required? Are we supposed to plug the ends or fill them with sand or CDF?	11/23/09 09:29 AM	All known existing utilities conflicting with this project were abandoned and relocated prior to advertisement.
65		What testing is required for bid item #42 (Testing Storm Sewer Pipe)?	11/23/09 09:29 AM	See Standard Specification 7-04.3(1).
66		Is there an item for Bentonite? If not, how is it paid?	11/23/09 10:26 AM	Yes. Item #223 (Soil Amendment)
67	GI5	How is the dewatering of the slough on the T line 24+35 to 25+75 prior to unsuitable foundation excavation paid for?	11/23/09 12:39 PM	See note 1. If additional effort is required beyond what is covered by these items, it will be paid for under item #38 (Force Account Dewatering).
68		Was the project quantity for structure excavation and shoring class B calculated from the existing ground or from the final grade to be constructed?	11/20/09 01:15 PM	Both. The majority were calculated from existing ground. There were a few unique cases where proposed ground was used.
69	DP9	Drainage note DR6/5 on sheet DP9 shows the top of the grate inlet 2' above the embankment elevation. Is this correct?	11/20/09 01:15 PM	The elevation of the grate inlet is correct. Bid according to the contract.
70	RSD1, Contract Provisions pg. 201	The stationing for the "Geosynthetic Reinforced Embankment Detail" on sheet RSD1 contradicts the roadway sections and the informational cross sections online. Which is correct?	11/20/09 3:00 PM	The roadway sections refer to the detail. The detail along with page 201 of the contract provisions give the limits of the work to be performed. Bid according to the contract.
71	GI6	Is the smooth wall on the inside or outside the pipe for the "6 in. dia. smooth walled pipe for underdrain?" Is this a PVC or HDPE pipe?	11/25/09 12:40 PM	See standard specification 7-01.2.
72		What work is item #162 to be utilized for in this project.	12/1/09 12:07 PM	See sheet SQ11
73	U17, U18	The interconnect is specified as being incidental to the signal systems. What items should this be included in 160 or 161?	11/30/09 3:44 PM	Bid according to the contract.

74		Does the excavated material from within the project site that is suitable for special select borrow get paid by the ton as part of item #22?	12/1/09 3:44 PM	No, The excavated material is paid for by item #19 which includes haul. If the excavated material is suitable for special select borrow the haul would include moving the material to the embankment location, and the compaction shall be paid by item #25.
75		Can native material be used as gravel backfill for pipezone bedding?	12/1/09 3:44 PM	See Standard Specification 9-03.12(3)
76		How is the steel reinforcing paid for the structures?	12/1/09 4:15 PM	See page 215 of the contract Special Provisions.
77		Standard Specification 7-08.5 states that the gravel backfill for pipezone bedding is incidental to the pipe being installed. What is item 182 for?	12/1/09 4:30 PM	See paragraph 1 of standard specification 7-08.4. This item is used for foundations.
78		Can RAP be used for the different borrow materials on the project?	12/1/09 4:30 PM	If the RAP is suitable and meets the contract specifications for the borrow item that it will be used as, then it could be used as borrow.
79	WD5	Is the 5/8" wire rope on the wall details correct?	12/1/09 4:40 PM	Yes, bid according to the contract.