



Carson City Public Works
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Project: **North/South Water Transmission Main Project - Phase II (Bid #1011-201)**
Project No: 4.0800

Date Created: 3/1/2011
Date Revised: 3/21/2011

Bid Period Phone Question/Comment Log

Number	Date Received	Name	Phone Email Written	Organization	Reference	Drawing/Spec	Question/Comment	Response	Date of Response	Response By	Addenda Required?	Addendum No. (if Required)
1	3/11/2011	Rick Rinabarger	e-mail	Jensen Precast	Sheets C52 & C52		10' x 14' x 8' FLOW METER VAULT REF: Sheets C 52, C 53: We have tooling to Precast a 12' wide 14' long vault, however do not have tooling at this time to Precast the 10' width as economically. Would Carson City accept a 12' x 14' x 8' Vault for this location in lieu of the 10' x 14' x 8' vault as depicted on the plans?	A 12' x 14' x 8' vault would be accepted as an alternative to the 10' x 14' x 8' vault, as it still allows enough space for the outer appurtenances and maintains adequate clearance from the transmission main; however, Carson City would hold the contractor to the original proposed Unit Cost for either size vault.	3/11/2011	TLG, e-mail	No	
2	3/14/2011	Rick Rinabarger	e-mail	Jensen Precast	Sheets C52 thru C54		The subject meter vaults and ARV Vaults are identical except for the location of the sump. The meter vaults show the sump in the corner. The ARV vaults show the sump in the middle. Will it be permissible to manufacture all of these vaults with the sump in the same location? If so, would it be preferred that the sump be in the center of the floor, or in the corner of the vault.	The sumps of both the meter vaults and ARV vaults <u>can</u> be manufactured to be in the same location. Additionally, Carson City would prefer the sumps to be in the corners of each vault.	3/14/2011	TLG, e-mail	No	
3	3/14/2011	Rick Rinabarger	e-mail	Jensen Precast	Sheets C52 thru C54		The sump grates are called out as metal grates. We have an excellent sump grate for this application which is plastic and is standardly supplied in TMWA vaults; would the polylok sump grate be considered as an equal to the designated metal grate?	Metal type grates are required for the sumps in the vaults and the proposed plastic type <u>will not</u> be approved as an alternative.	3/14/2011	TLG, e-mail	No	
4	3/14/2011	Rick Rinabarger	e-mail	Jensen Precast	Document No. 4006 PRECAST CONCRETE VAULTS (7/13/10)		Vault Coatings. EPRO was accepted as an equal to the specified Vulcum for the Prison Hill Altitude Vault. Can we use EPRO in Lieu of Vulcom on the vaults for this project as well?	EPRO <u>will not</u> be accepted as an alternative unless the manufacturer will provide a warranty similar to Vulcum ("warranted to provide a waterproof coating for ten (10) years from date of sale"). The attached EPRO provides no warranty.	3/14/2011	TLG, e-mail	No	
5	3/15/2011	Mike Rado	e-mail	Ford Construction Company	Improvement Plans		Are the restrained sections of pipe called out on the plans, per note 16, the minimum required restrained lengths? If the manufactures recommendations on restrained length is shorter/longer, should I figure per the manufacturer?	The restrained lengths shown on the profiles are minimum lengths and shall be installed per plan. Longer lengths of restraints will be permitted; however, shorter lengths shall not.	3/15/2011	TLG, e-mail	No	
6	3/15/2011	Mike Rado	e-mail	Ford Construction Company	Improvement Plans		If all fittings are restrained per note 1 on the plans, are thrust blocks necessary?	Thrust blocks may be eliminated at horizontal offsets where restraints are required; however, locations of hot taps and vertical offsets require thrust blocks whether restrained or not.	3/15/2011	TLG, e-mail	No	
7	3/16/2011	Rob Crow	e-mail	Underground Solutions	BP.57/Section 2005		Item BP.57 requires CL 125 PVC pipe, which is equivalent to a DR 32.5 PVC pipe. Section 2005 for PVC pipe states that the "pressure class for C900 or pressure rating for C905 shall be as shown on the drawings." The drawings for this project indicate that DR 25 pipe is required as well as in the Master Construction Notes (Master Lists) G2 of 96 note #1 states "24" PVC C905DR25 165 psi Water Main". In addition, the specifications for Fusible PVC™ pipe indicate that DR 25, CL 165 pipe is required. Can you please clarify that DR25 PC 165 psi pipe is required for the 24" pipe on this project?	BP.57 is correct. CL 125 PVC is required for this portion of the project and a clarification will be issued as part of Addendum No. 2	3/19/2011	TLG, e-mail	Yes	2
8	3/16/2011	Rob Crow	e-mail	Underground Solutions	Improvement Plans		There are many locations within the plans that require "Special Construction" for pipe that is not located within restrained joint sections. In cases where the special construction is listed in 20 foot lengths, please confirm that bell pipe restraint harnesses are required on either end of the 20 foot centered pipe section per detail C-3.1.2?	If a gasket joint is within 10' horizontal of either side of the utility crossing, a bell restraint retainer gland is required.	3/19/2011	TLG, e-mail	No	
9	3/16/2011	Rob Crow	e-mail	Underground Solutions	IB.7.B		Section IB.7.B references ARRA requirements for this project. Do ARRA requirements apply to this project? If ARRA requirements do not apply, do Buy American requirements still apply?	No, ARRA requirements do not apply. Pursuant to 41USC10b, Every Public Works contract must contain the provisions for American made materials.		TLG, e-mail	No	
10	3/16/2011	Rob Crow	e-mail	Underground Solutions	Improvement Plans		There are several areas that Horizontal Directional Drilling (HDD) would be less intrusive and faster than open cut/direct bury methods and therefore less costly to the city. Is HDD an acceptable installation method for the 24" and 4" conduit pipes as used on North South Phase I?	Yes, horizontal Directional Drilling is an acceptable installation for this project; however, the location of the pipeline (horizontal/vertical) shall be per plans and be altered.		TLG, e-mail	No	

11	3/16/2011	Rob Crow	e-mail	Underground Solutions	Improvement Plans	UGSI is requesting the inclusion of Fusible PVC conduit (Canfuse) for use in areas where HDD will be considered. The conduit can be either drilled in independently of the 24" water main or strapped to the 24". This material was approved for the Carson City Well 50 project if HDD was to be considered – see Attachment A for Well 50 reference and material product sheets.	Canfuse will be permitted as an alternative to the fiber optic conduit specified in the construction documents; however, strapping the conduit to the pipeline will not be permitted during installation.		TLG, e-mail	No	
12	3/16/2011	Rob Crow	e-mail	Underground Solutions	Sheet C61	Per Grade Break Transition C61 Of 96 – Please clarify □ Typical 24" Bell and Spigot C905 have a manufactures maximum allowable deflection limit of 1 degree. Any deflection greater than 1 degree will void the manufacturer warranty. Limiting the maximum deflection ensures that if over insertion occurs combined with excessive deflection does not create joint stresses that exceed the maximum hydrostatic design basis for the 24" pipe prior to adding internal pressure (refer to attachment B Utah State paper). For example, a 1 degree the maximum allowable deflection is equal to a bend radius of 1,146 feet for bell and spigot pipe – 24" Fusible C-905 has a maximum allowable bend radius of 538' and provides a 2.5 safety factor. See attachment B.	Pipe shall be installed per manufactures recommendations. Submittal of pipe type will be required to show material specifications.		TLG, e-mail	No	
13	3/16/2011	Rob Crow	e-mail	Underground Solutions	N/A	Is JM pipe allowed for this project?	Generally under 338.140 - A public body shall not draft or cause to be drafted specifications for bids, in connection with a public work... (b) Except in those instances where the product is designated to match others in use on a particular public improvement either completed or in the course of completion, calling for a designated material, product, thing or service by specific brand or trade name unless the specification lists at least two brands or trade names of comparable quality or utility and is followed by the words "or equal" so that bidders may furnish any equal material, product, thing or service.		TLG, e-mail	No	
14	3/18/2011	Joshua Dethmers	e-mail	Nevada Darricade & Sign	Bid Schedule / Special Conditions	Bid Items BP.32 through BP.42 are bid as Paint; however, the per the special provisions on sheet SC-15 the last sentence of Paragraph A states that all striping shall be painted with Epoxy Paint this is confusing with the bid item. The bid items BP.32 through BP.42 should read as follows: 1. BP.32 Permanent Pavement Paint (Epoxy) (4-Inch Solid White). 2. BP.33 Permanent Pavement Paint (Epoxy) (4-Inch Double Yellow). 3. BP.34 Permanent Pavement Paint (Epoxy) (4-Inch Solid Yellow w/4-Inch Broken Yellow). 4. BP.35 Permanent Pavement Paint (Epoxy) (8-Inch Solid White). 5. BP.36 Permanent Pavement Paint (Epoxy) (8-Inch Broken White). 6. BP.37 Permanent Pavement Paint (Epoxy) (8-Inch Solid Yellow). 7. BP.38 Permanent Pavement Paint (Epoxy) (24-Inch Solid White). 8. BP.39 Permanent Pavement Paint (Epoxy) (Turn Arrow White Symbol). 9. BP.40 Permanent Pavement Paint (Epoxy) ("ONLY" White Symbol). 10. BP.41 Permanent Pavement Paint (Epoxy) (Triangle Yield White Symbol). 11. BP.42 Permanent Pavement Paint (Epoxy) (Merge Arrow White Symbol). My question to you is it possible to send an addendum out to make these bid items read as above so that we are all bidding the same type of stripir	Special Conditions for this project must be adhered too. For this reason, Carson City feels changing the bid item descriptions is not necessary; however, a clarification will be issued with Addendum No. 2 next week that will reinforce the requirement of Epoxy Paint for all striping.	3/20/2011	TLG, e-mail	Yes	2
15	3/18/2011	Rod Smith	e-mail	Western Nevada Supply	Document No 2005	In spec section 3.1.8.1.1 on page C-21, the bolts are called out as Grade B7 plain with 304 stainless being used for "submerged" service, but detail 2 on plan sheet C63 note #2 states that restraining glands shall have 304 stainless hardware. Is this correct? Will all buried hardware need to be 304ss or can they all be low-alloy steel per ASTM A193? Please clarify.	All buried hardware shall be 304 stainless. A clarification will be issued with Addendum No. 2 next week that will reinforce the requirement of 304 Stainless steel for all buried hardware.	3/20/2011	TLG, e-mail	Yes	2
16	3/17/2011	Rob Crow	e-mail	Underground Solutions	Sheet C62	Can the use of Fusible C-905® modify the requirement of addressing the sewer and storm drain lines when this 24" water line crosses under these utility types – Detail C-3.1.2	NDEP requirements must be adhered too at all times. The Contractor must submit NDEP "Special Exemption" to Bureau of Safe Drinking Water (BSDW) and have it approved by the appropriate BSDW authority before being considered for design by Carson City	3/20/2011	TLG, e-mail	No	