

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201107210.01

BR 371A ON K371 BARRATTS CHAPEL ROAD OVER DOUBLE RUN/KENT COUNTY

Monday, September 08, 2014

Q #	Question	Answer
12	For Item # 715515 Temporary drainage Pipe 60", it states that the "the two 60" temp. diversion pipes be set groundlevel". Can an invert elevation be provided to define groundlevel ? Also please clarify if Borrow type B or C is used to backfill the trench after the removal of the temporary pipes and will it be paid for under the borrow items?	Approximate invert elevation at -2.0. However, the invert shall be set for sufficient diversion of tidal flow. "Groundlevel" is specified in the plans so that a field adjustment may be made after an assessment of the stream prior to the start of construction. Borrow, Type C shall be used to backfill the trench in accordance with the specification for Item #715515.
11	The response to question 2 does not adequately address constructability. The plans indicate sheetpile for the cofferdam but by installing the underground cable in the shoulder without clearing the sheetpile, the cofferdam installation is greatly impacted (can not be cantilevered, etc). By installing the cable away from the cofferdam (as opposed to under it) considerable risk and cost could be avoided. Will the Department consider having the cable relocated outside of the proposed cofferdam?	Underground utility relocation cannot be relocated outside of its proposed alignment for various reasons including environmental impacts, right-of-way easements, soil conditions and limitations of the boring process.
10	Addendum #1 indicates the project will start 12/23/14. This will now add the Christmas and New Year's holidays to the project but the contract duration has not been increased. Can additional time be added to offset the lost time due to the holidays?	See Addendum No. 2.
9	Addendum #1 indicates the project will start 12/23/14 with a 54 CD duration. This places the proposed contract period from 12/23/14 through 2/14/15. Maintaining a dewatering system, especially the well point system indicated, could be problematic if temperatures drop below freezing (as they could do during this period). Also, the hot mix plants will be closed during the time the proposed paving is to be constructed. If the plants are closed, paving will not be possible. Please advise how these situations will be handled by the Department if they were to occur.	See Addendum No. 2.

Q #	Question	Answer
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Thursday, September 04, 2014

8	What is the gage for the metal used to fabricate the pipe arch? Is a bituminous coating required?	See response to Question 3.
7	For Item 614275 - Corrugated Metal Pipe Arch, 137" x 87" assuming that the pipe is steel should it be zinc-coated (galvanized) or aluminum coated (type 2)?	See response to Question 3.
6	Does the DOT have thoughts on when this project will start, with the utility relocate, cold weather coming and the March 15th to June 30th "no in water work" time frame ?	The anticipated Notice to Proceed date is changed to December 23, 2014 in Addendum No. 1.
5	What is the reason for having a 10' wide weir in the sheet pile at Elev. 4.75? The purpose of the cofferdam is to keep water out of the excavation. Why would we want to install a weir that could potentially allow water in to the excavation in a high tide or storm event?	Stream diversion weirs are a requirement set forth through stormwater regulations. Stream diversion methods are intended to retain a specific design storm event depending upon the construction duration. If a storm event exceeds the design amount, the weir is intended to allow flow to inundate the workzone rather than submerge adjacent areas, causing potential damage to property.
4	For the proposed 137"x 87" dia. CMP triple pipe culvert a pipe gauge or material type is not given. Please give gauge (10ga. or 12 ga.) and please give material type – Galvanized , Aluminized (ALT2) , polymer coated.	See response to Question 3.
3	Is there a special provision page or callout of some kind in the bid documents for the 137"x87" pipe? Please advise gauge, corrugation size and metallic coating (galvanized or aluminized).	Proposed structure shall consist of 137" x 87" corrugated metal pipe arches with a minimum 12 gauge thickness and 5" x 1" corrugations. The protective coating system may consist of either zinc or aluminum as described in Section 614 of the Standard Specifications. See Addendum No. 1.

Q #	Question	Answer
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Thursday, August 28, 2014

2	<p>The Utility Statement for BR 2-371A states that DEC will install underground primary cable in the shoulder of Barratts Chapel RD and two 2" conduits beneath Barratts Chapel RD. My question is how deep will these lines be ? There is about a 16' deep cut to the bottom of the # 57 stone plus the toe depth of the steel sheeting and or shoring.</p>	<p>The utility statement is correct. Underground cable will be installed approximately 20' below existing grade under the shoulder. It is intended to reside beneath the maximum potential undercut depth. Plans detail sheeting used to divert the stream outside of the roadbed, but the method for shoring the excavation remains up to the Contractor per the Standard Specifications.</p>
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Friday, August 15, 2014

1	<p>Can 82" x 128" Reinforced Concrete Elliptical Pipe substitute the metal arch culvert that is specified?</p>	<p>The Department would consider an alternative material, provided that there are no negative impacts to the hydraulic capacity of the structure and there are no additional costs to the Department. The Contractor will have to submit a proposal to change the structure material after the contract has been executed in accordance with the procedures outlined in the Standard Specifications.</p>
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