

1. Item 512 – bid item shows F-Shape concrete barrier – plans show this detail along with some steel barrier – can we use either the F-Shape or steel barrier?
Concrete F shape is set up as bid item in contract. Standard for steel barrier is included and may be used as an alternate should you choose. Must meet deflection requirements for concrete rail if steel is used.
2. Item 512 is shown to be used at the locations getting new armor joint, Site 7 & 9 – will Site 10 also require CTB and crash cushions?
Site 10 will not need barrier because it may be closed to traffic. It is low volume crossing with available alternate routes.
3. Item 454-6004 – armor joint (sealed) – no details in plans for armor joint
Correct, the detail (ajstde01-19 -Armor Joint Details) was left out of plan set. Placement and sealing of armor joints will be in accordance with this standard detail. The seal and backer-rod are subsidiary to the placement of the new armor joint.
4. Item 454-6004 – armor joint (sealed), is the concrete repair work associated with the installation of the armor joint incidental to the armor joint?
Yes, the repair details state that concrete repair is to be done in accordance with Item 429-2010 but not paid under this item. For bidding purposes estimate the concrete repair at 1 ft each side of joint at full depth of bridge deck.
5. Item 104 removing riprap & Item 432 concrete riprap – we are removing 93 SY but putting back 69 CY which at 5” is enough to pour 511 SY – there are no details showing where and what we are doing with these items, can you clarify where & how we will use these items? The riprap removal is to expose voids under the riprap to be filled with CSB and then repaired with the riprap item. Or replacement of damaged riprap. There will not be any new placement locations that require any details, only remove and replacement. The CY unit for the 432 item was selected because we did not know the exact depth of the placement after removal and filling with CSB. These are estimated quantities for bidding purposes only.
6. Item 454 -header joint – item is paid by the LF – does the LF include the sealant or would that be covered by the sealed armor joint item? Yes, seal is subsidiary to the item.
7. Item 454 header joint – there is no detail giving the depth of the existing asphalt overlay, could this item be change to CF pay item or can we be given the depths of the asphalt on those bridges? The intent of the 454 Header Type joint is to replace the existing joints at the bridge deck / asphalt approach joint. For bidding purposes use a width on each side of joint of 8” and a depth of 4”.
8. Item 502 – how do you want us to handle perimeter barricades – do we need to set all the sites and keep in place until the project is accepted or can we set-up at the site we are working and move to the next location when we are complete with the site or are they even required?
Perimeter barricades may be placed and maintained on locations where work is actively being performed, once work has been completed and accepted by the Engineer, barricades may be removed. The contractor may request acceptance of each location separately so barricades may be removed and work complete at each location separately.

9. Item 429-6009 – standard concrete repair – is this item for bridge deck work or repairs of horizontal repairs on top of bent caps or other items? **This is item is for repair of top of bent caps and abutments & repairs to tops of headwalls.**

10. Item 429-6009 – if this item is for deck repair is that work for partial or full depth repairs? **See #9**

Additional clarification to Items 454-6004 and 454-6007

The intent of 454-6004 Armor Joint with seal is to replace existing polymer joints with steel joints to include the concrete repair needed to place the steel joints per questions #3 and #4. Per the ajstde01-19 standard (missing from plans) each joint is measured along the width of the bridge and includes two (2) plates. So a bridge deck 40ft wide would require 80ft of joint with 40ft of seal.

The intent of the 454-6007 Header Type Joint is to replace the existing polymer joints at the asphalt approach to the concrete bridge deck. See question 7 for dimensions.

Should you have additional questions or require additional clarification, please email questions to

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