Use this item when pinning is required on bridge decks with an asphaltic overlay. Need prior approval to use. There are possible issues with the asphalt overlays and high bending moments of the bolts, that is most likely why there is a tube called out for installation.

1. Concrete Barrier Temporary Precast Anchored on Asphaltic Bridge Overlay, Item SPV.0090.##

A Description

This special provision describes anchoring temporary concrete barrier on existing bridge decks with an asphaltic overlay. Conform to standard spec 603, the plans, and as follows.

B Materials

Provide barrier materials conforming to standard spec 603.2.

For the anchoring system, provide an ASTM 519 steel tube sleeve to line the core hole through the existing bridge deck, A307 threaded rods, A36 steel plate washer, ASTM A563 DH Heavy Hex Nut, and all miscellaneous mounting hardware conform to the plan details. Provide shop drawings for the anchoring system to the department for approval before installation

C Construction

Perform this work conform to standard spec 603.3.2.1, the plans, and as follows.

To accommodate anchors through an existing bridge deck with an asphaltic overlay, core a hole through the bridge deck at each anchor location and install steel tube sleeves to line the core holes and install anchoring bolts or rods and hardware to securely tie the barrier to the bridge deck. With the approval of the engineer the contractor may propose and use an alternate method of core hole locating. The contractor is responsible for accurately locating the core holes for barrier installation in all cases. The contractor shall submit shop drawings for the anchoring system to the department for review before installation.

Before coring the bridge deck, place the barrier to mark coring locations, relocate barrier to complete the bridge deck cores, and install the barrier with the anchors at the required locations to line up with the core holes.

Remove anchors for temporary barrier on asphaltic bridge decks as part of any removal of bridge decks or relocation of the temporary barrier that may be required. Repair any damage to the existing structure from installation or removal of the anchors if the bridge deck is required to continue to carry traffic.

D Measurement

The department will measure the Concrete Barrier Temporary Precast Anchored on Asphaltic Bridge Overlay by the linear foot acceptably completed, measured as the linear feet of barrier installed and anchored. The department will not measure anchoring made solely to accommodate the contractor's means and methods.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER DESCRIPTION UNIT

SPV.0090.## Concrete Barrier Temporary Precast Anchored on Asphaltic Bridge Overlay LF

Payment is full compensation for furnishing, delivering, and installing anchoring devices including bridge deck coring; for removal of any anchoring devices; and for any bridge deck damage repair.

Delivery and installation of the barrier will be paid for under the pertinent items included in the contract. Barrier moves required to accomplish positioning of the cores and anchors to allow installation of the barrier in its ultimate location will be incidental to this bid item and additional deliveries and installations will not be paid.

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