## Index 430-033 <br> Straight Concrete Endwalls - Single and Double 72" Pipe

## ORIGINATION

Date: May 7, 2018
Name: Rick Jenkins
Phone: (850) 414-4355
Email: Rick.Jenkins@dot.state.fl.us

## COMMENTARY

Reorganized Index.
Sheet 1: General Notes and Overview. Moved specification and payment information to Specifications.
Deleted design information covered in the Design Manual. Added note on quantities for estimating purposes only.
Sheets 2 and 3: Bar naming conventions Updated to reflect Horizontal, Vertical, and Bent bars.

## COMMENTS AND RESPONSES

BLACK = Industry Review Comments RED = Standard Plans Response
Name: Erin Yao
Date: August 8, 2019

## COMMENT:

Sheet 2: I do not see the cut Section B-B.


Sheet 3: Do not see it.


## RESPONSE:

Date: August 8, 2019

Sheet 2: The label was added.
Sheet 3: The label was added.

## Name: FHWA

Date: September 24, 2019

## COMMENT: Sheet 2 \& 3:

1. Check length of B2. (Also has same comment on B3)
2. Also for B 2 it is recommended that a minimum length of the shorter leg of the bar be specified to avoid variability within the project or constructability issues. (Also has same comment on B3)

## RESPONSE:

Date: September 26, 2019

1. For the 430-031-034 drawings, the horizontal bars used to be noted as the same bars notation, and same length. The horizontal bars that would intercept the pipe opening would then be cut near the centerline of pipe, then bent around the pipe opening. With the new drawing, the notations were changed to note whether they are bent (B) or Horizontal (H), but having the same length. The note in the Index (Note 2 in index 430-031) then directs the contractor to cut and field bend the B bars as shown. Therefore, the length shown in the tables is the full length prior to the bar being cut and bent.
2. This bend depends on the amount of cover between the rebar and pipe opening. We generally try to avoid being that precise and allow the contractor to use the approach while still meeting the requirements. These bends are shown with the same detail as the previous versions of the indexes. This comment will be evaluated for incorporation in the future revisions to the indexes.


