

4300201 PIPE CULVERTS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (10-9-19, Internal)
Issues with this sentence:

430-4.6.1 U-Type Concrete Endwalls: Construct in accordance with the Plans and Standards Plans, Index 430-010 through 430-012. When concrete mitered end sections are specified in the Plans, the Contractor may use U-Type concrete endwalls, with prior approval from the Engineer.

- Should be **Indexes** 430-010 through 430-012
- Add a space before 430-010
- “When concrete mitered end sections are specified in the Plans, the Contractor may use U-Type concrete endwalls, with prior approval from the Engineer”. This sentence doesn’t work. A contractor cannot prepare a bid based on what the Engineer may or may not approve in the field. You need to provide an approval regime for when these substitutions are acceptable.

Response: Update made to include the proper **Indexes** and terms. The statement regarding the substitution of U-Type endwalls for mitered end sections was deleted.

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Comments: (10-9-19, Internal)
Capitalize “Plans”

430-12.9 U-Type Endwalls: Price and payment will be full compensation for all concrete, reinforcement, grate, baffles, accessories, and all work required. Fencing, when called for in the **plans**, will be paid for under the unit price for Fencing, Type B, LF. Rip rap will be paid for in accordance with Section 530.

Response: Change has been made.

No Name

Comments: (10-18-19, Industry)
How are grates paid for?

Response: With the unit price of each end treatment per Section 430-12.

No Name

Comments: (10-18-19, Industry)

The statement "and from station/offset location for end treatments" appears to be contradictory to FY 2019-2020 Index 430-021. The index currently shows the entire length "F" is paid under the end treatment. This Spec changes will only cover the length "E" (= F - H). Is the Index changing to match this Spec change? Thank you.

Response: Yes. The 2020-2021 Standard Plan Index 430-021 was re-organized, and all payment information was removed.

No Name

Comments: (10-21-19, Industry)

For 430-4.6.3- Suggest adding "High Density" prior to "Polyethylene" in the following sentence in order to match the HDPE abbreviation. "Construct mitered end sections for corrugated high density polyethylene (HDPE) pipe, polypropylene (PP) pipe, steel reinforced polyethylene ribbed (SRPE) pipe and polyvinyl-chloride (PVC) pipe as specified in Section 948 and as detailed in the Standard Plans.

Response: Change has been made.

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Comments: (10-31-19, Industry)

430-4.6 End Treatment: Second sentence may be modified by removing the Index number 570-001, so to read as Sod around end treatments in accordance with Standard Plans. Index 570-001 Reason- The measurements and area of sod to be done at each drainage structure are depicted in Standard Plans of the applicable structures: examples- SPI 524-001, 430-010, 430-011, 430-021.

Response: This information was added to Index 570-001 to provide a centralized location for the sod requirements.

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Comments: (11-14-19, Industry)

All Jobs

SUBARTICLE 430-11.3 is deleted and the following substituted:

~~430-11.3 Mitered End Treatment~~Section: The quantity of all end treatments-mitered end-sections to be paid for will be the number completed and accepted. ~~(or mitered end sections the measurement will be per each end of pipe.)~~ Sod will be paid for in accordance with Section 570.

or, delete sentence

and flared end sections

Response:

and 430-12.8

SUBARTICLE 430-12.7 is deleted and the following substituted:

430-12.7 Flared End Sections: Price and payment will be full compensation for all concrete, reinforcement, toe walls, and all work and materials required.

430-12.8 Mitered End Sections: Price and payment will be full compensation for all materials, pipe, grates when required, fasteners, reinforcing, connectors, anchors, concrete, sealants, jackets and coupling bands, and all work required.

430-12.9 U-Type Endwalls: Price and payment will be full compensation for all concrete, reinforcement, grate, baffles, accessories, and all work required. Fencing, when called for in the Plans, will be paid for under the unit price for fencing, Type B, ~~1/2~~ ^{foot}. Rip rap will be paid for in accordance with Section 530.

430-12.10 Straight Endwalls: Price and payment will be full compensation for all concrete, reinforcement, grate, accessories, and all work and materials required.

Why is "Materials" not needed for the others

and Winged Concrete

Response: The reason flared end sections were not included was because flared end sections are not used for multiple pipes. Mitered End Sections can have multiple pipes and are paid for as individual end treatments.

the costs of watchman or flagman services provided by the railroad company, except as provided below.

The Department will reimburse the Contractor for the actual costs of any trestle bridge work which is performed by the railroad's forces, as billed to him by the railroad, less the value of any salvage materials derived there from, whether such salvage materials are retained by the railroad company or by the Contractor. When the work of shoring and bracing is to be performed by the railroad, such fact will be stipulated in the Contract Documents and the Contractor will be required to pay to the railroad the amount of such costs, which amount will be reimbursed to him by the Department. The Contract unit price for the pipe culvert shall include the costs of all other work of shoring and bracing.

SUBARTICLE 430-12.10 is deleted and the following substituted:

430-12.120 Payment Items: Payment will be made under:

- Item No. 430- 17- Pipe Culvert Optional Material - Excavation or Trenching - per foot.
- Item No. 430- 18- Pipe Culvert Optional Material - Jack & Bore - per foot.
- Item No. 430- 94- Desilting Pipe - per foot.
- Item No. 430- 96- Polyvinyl Chloride Pipe - per foot.
- Item No. 430- 98- Mitered End Section - each.
- Item No. 430-200- Flared End Sections - each.
- Item No. 430-610- U-Endwall - each.
- Item No. ~~430-4-~~ Winged Concrete Endwalls - each.
- Item No. ~~430-5-~~ Straight Endwalls - each.
- Item No. 430-830- Filling and Plugging Pipe - cubic yard.
- Item No. 430-950- Desilting Concrete Box Culvert - per cubic yard.

order?

430-400-

430-400-ABB

430-5AA-BCD

Concrete

U-Endwall
430-6 AB-CDD =
430-6-

Response:
