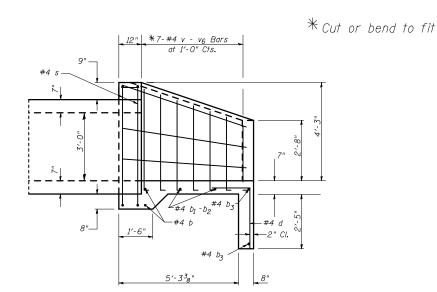
CAST-IN-PLACE BOX CULVERT END SECTION DETAIL CULVERT NO. 2, PROPOSED S.N. 023-8063 **STATION 1818 + 71.00**

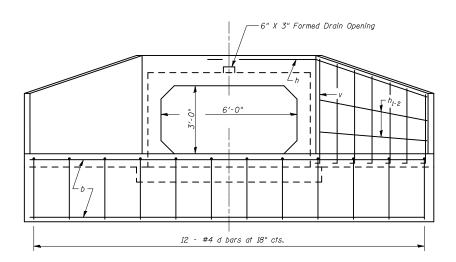


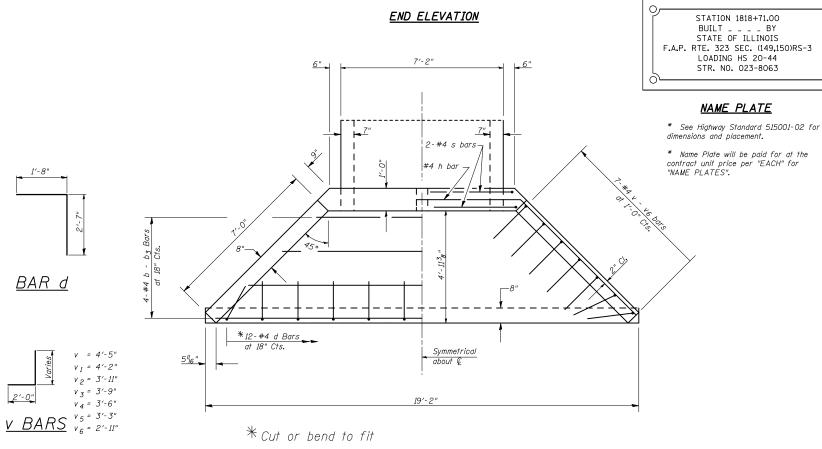
HALF SIDE ELEVATION

 BAR_d

BAR s

BAR_h





NOTES

All bars should be rounded and shall conform to the requirements of Art. 1006.10 of the Standard Specs.

Class SI Concrete shall be used throughout.

The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M273.

All dimensions are in FEET (')-INCHES (") unless otherwise noted.

Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTION, as outlined in Art, 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed

Drain holes shall be provided in accordance with Art. 503.11 of the Standard Specs.

Drawings not to scale. Some dimensions may vary due to actual box culvert dimensions.

BILL OF MATERIAL (ONE END SECTION)

Bar	No.	Size	Length	Shape
b	2	#4	9'-4"	
b b ₁	1	#4	12'-4"	
b ₂	1	#4	15'-4"	
bз	2	#4	18'-4"	
d	12	#4	4'-3"	
h	1	#4	22'-10"	
h1	1 2 2	#4	6'-6"	
h2	2	#4	6′-5"	
S	2	#4	27'-4"	
V	2	#4	6"-5"	L
v_I	2	#4	6′-2"	L
V2	2 2 2 2 2 2 2	#4	5′-11" 5′-9"	L
V3	2	#4	5′-9"	L
V4	2	#4	5′-6" 5′-3"	L
V ₅	2	#4	5′-3"	L
V6	2	#4	4'-11"	J
Concrete/End Section			Cu. Yd.	5.1
Reinforcement Bars			Cu. Yd. Pound	5.1 212.0

TOTAL BILL OF MATERIALS

TOTAL DIEL OF MATTERIALS					
Item	Unit	Qty.			
Box Culvert End Section Culvert No. 2	Each	2.0			
Name Plate	Each	1.0			

ILLINOIS DEPARTMENT OF TRANSPORTATION DETAIL OF BOX CULVERT END SECTION (CAST IN PLACE) **FAP ROUTE 323 (US 36)** SECTION (149,150)RS-3

EDGAR COUNTY SCALE: NOT TO SCALE DRAWN BY: JMS DATE: 06/12/2008 CHECKED BY

<u>PLAN</u>

DRAWING NOT TO SCALE

SHEET 7 OF 8