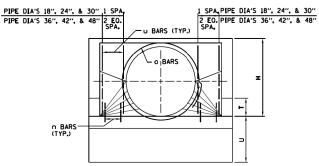


NOTES:

ADDITIONAL 'A' BARS SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR. THE ADDITIONAL BARS ARE NOT INCLUDED IN THE LISTED QUANTITIES BUT WILL BE PAID FOR AS REINFORCING STEEL. (EPOXY COATED)

1 ADDITIONAL BAR REQUIRED FOR EACH 15° SKEW OR FRACTION THEREOF.



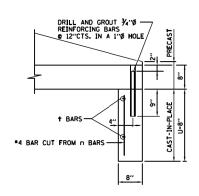
FRONT ELEVATION

NOTES:

- 1. SLOPED HEADWALL TYPE III SHALL BE CONSTRUCTED FLUSH WITH EXISTING OR PROPOSED SLOPE.
- 2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- 3. ALL REINFORCEMENT BARS SHOWN SHALL BE EPOXY COATED.
- 4. BAR BENDING DETAILS ARE DIMENSIONED OUT TO OUT OF BARS.
- 5. ALL EXPOSED EDGES SHALL HAVE A $y_4^{\prime\prime}$ 45° CHAMFER, CHAMFER ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW THE FINISHED GROUND LINE.
- 6. COVER FROM THE FACE OF CONCRETE TO FACE OF REINFORCEMENT BAR SHALL BE 3" FOR SURFACES FORMED AGAINST EARTH AND 2" FOR ALL OTHER SURFACES UNLESS OTHERWISE SHOWN.
- CARE SHALL BE EXERCISED IN REMOVING ANY LENGTH OF EXISTING PIPE SO THE REMAINING PIPE IS UNDAMAGED AND FULLY FUNCTIONING.

SCALE:

- 8. FOR DIMENSIONS AND QUANTITIES FOR ONE HEADWALL SEE SHEET 2 (OF 3) IN THIS SERIES.
- 9. FOR STEEL GRATING DETAILS SEE SHEET 3 (OF 3) IN THIS SERIES.
- 10. ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT.



SHEET 1 OF 3

PRECAST CONNECTION DETAIL

Illinois Tollway

DATE	REVISIONS			
	REVISED NOTES			
2-7-2012	DELETED TWIN PIPE DETAILS.	l		
	DELETED PIPE DIA. 18", 24",	F(
	30" FOR 1:4 AND 1:6 SLOPES.			
	DELETED SIDE PIPE DESIGN			

HEADWALL TYPE III 18"-24"-30"-36"-42"-48" FOR 1:4, 1:6, AND 1:10 SLOPES

STANDARD B6-03

BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100

FILE NAME = \$FILES\$

www.bbandainc.com

USER NAME = default	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = H:1"=10' V:1"=5'	CHECKED - RGR	REVISED -
PLOT DATE = 6/18/2012	DATE - 6/19/2012	REVISED -

STATE OF ILLINOIS							
DEPARTMENT OF TRANSPORTATION							

TOLLWAY STANDARD DRAWING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS		
			94	49-1-R-1	LAKE	677	618	
						CONTRACT	NO. 6	50L77
	SHEET NO. N/A OF N/A SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				