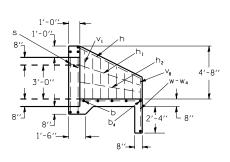
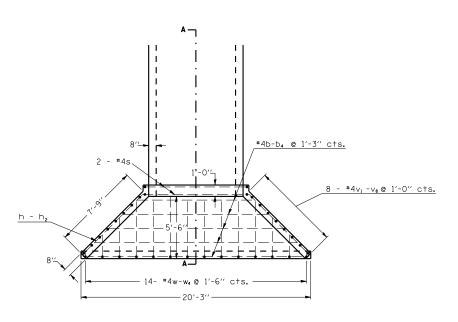
# DETAIL OF BOX CULVERT END SECTION

## A.R. BOX CULVERT 1 @ 7.0' X 3.0'

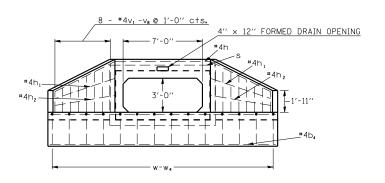
# STA. 16 + 40.91 (CULVERT NO. 7) Down Stream End



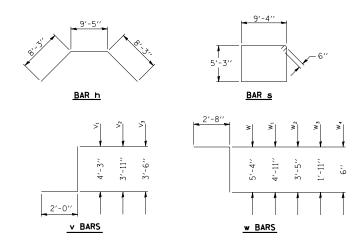
SECTION A - A



**PLAN** 



### **END VIEW**



#### NOTES

- All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specs.
- Class SI Concrete shall be used throughout.
- The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M259.
- 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 each for BOX CULVERT END SECTION CULVERT NO., 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. 503.12.
- Drawings not to scale.

### 

CONTRACT NO. 90758

#### BILL OF MATERIAL (ONE HEADWALL)

Bar   No.   Size   Length (ft)   Shape	DILL OF MATERIAL TONE HEADWALL										
D	Bar	No.	Size	Len	gth (ft)	Shape					
D <sub>3</sub>	Ь	1			10'-5''						
b <sub>2</sub>	bı			1	2'-11''						
Box   1			#4		15'-5''						
N						_					
H	b₄	2				_					
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1											
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1		2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	h₂	2				_					
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1		2	#4								
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>i</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>2</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>3</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>4</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>5</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>6</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>7</sub>	2		4'-2''							
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	V <sub>8</sub>	2		3′-10′′							
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	W	6				7					
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	Wt	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	W <sub>2</sub>	2									
Reinforcement Bars LB. 258 Class SI Conc. Hdwall, CU. YD. 5.6  ITEM UNIT OUANT. Box Culvert End FACH 1	W <sub>3</sub>	2									
Class SI Conc. Hdwall, CU. YD.   5.6	W <sub>4</sub>	2	#4	3'-2''		٦					
Class SI Conc. Hdwall, CU. YD.   5.6											
Class SI Conc. Hdwall, CU. YD.   5.6											
ITEM UNIT QUANT.  Box Culvert End FACH 1											
Box Culvert End FACH 1	Class	5.6									
Box Culvert End FACH 1											
I FALH I			UNIT	QUANT.							
					EACH	1					

BOX CULVERT END SECTIONS (CAST IN PLACE)

1 @ 7.0' X 3.0'

STA. 16+40.91 NO SKEW

REINFORCED		CONCRETE	HEADW	VALL	DETAI	LS		
REVISIONS NAME DATE		ILLINOIS DEPARTMENT OF TRANSPORTATION						
		CUL	VERT	DET	AILS			
		SCALE: VERT. HORIZ.		[	DRAWN BY	JDC		
		DATE 092904		(	CHECKED BY			