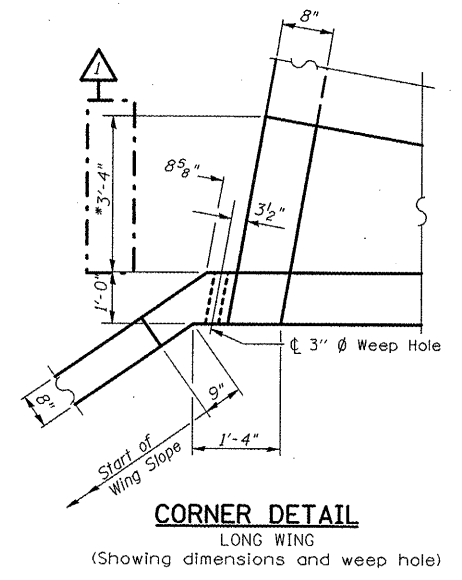
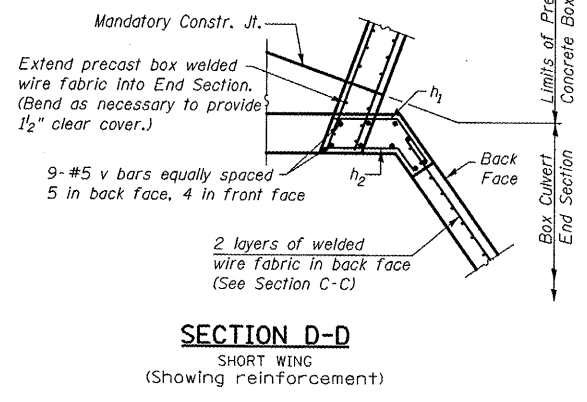
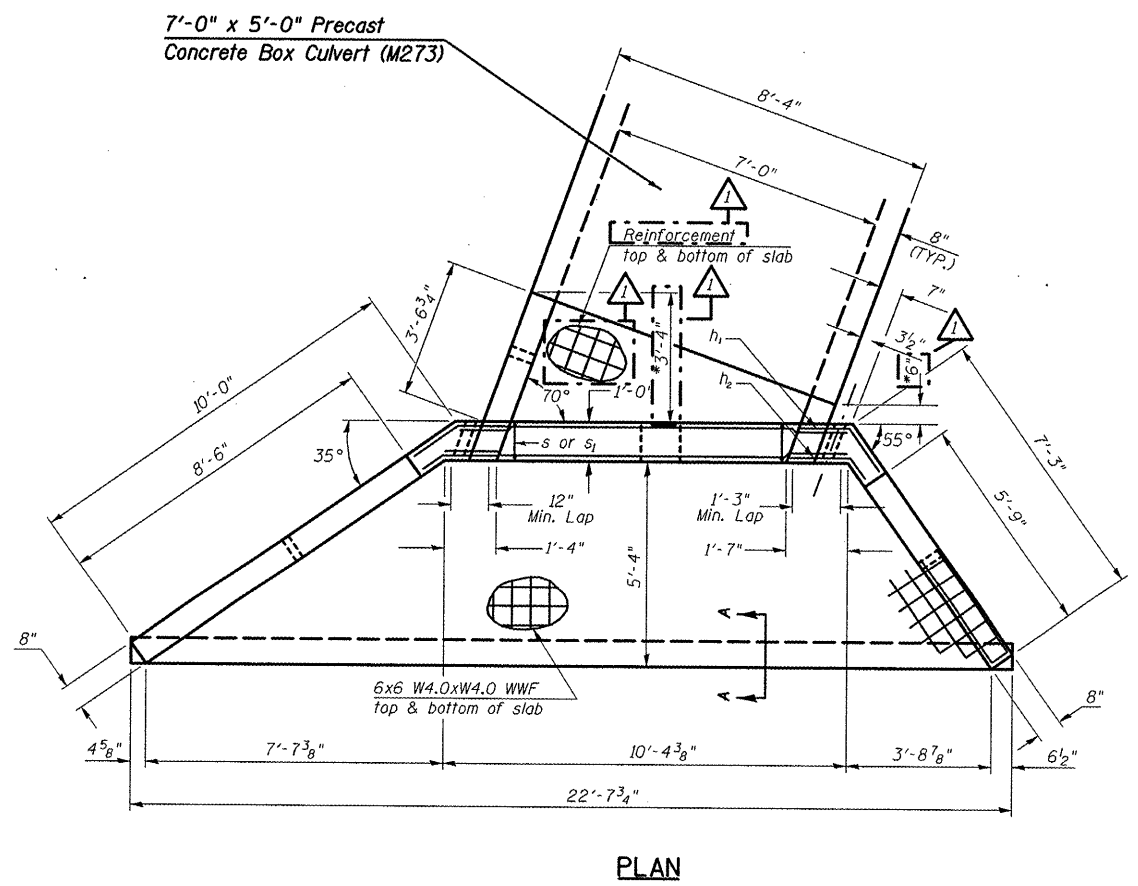
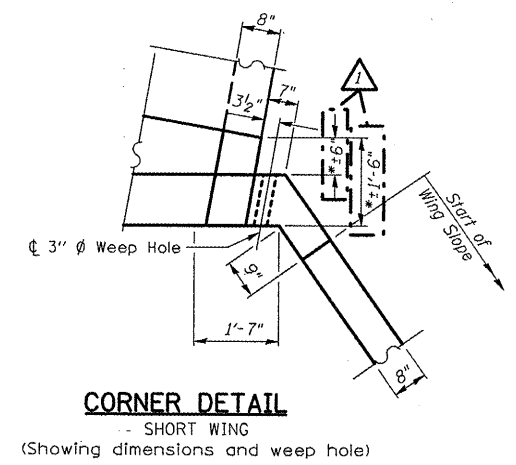
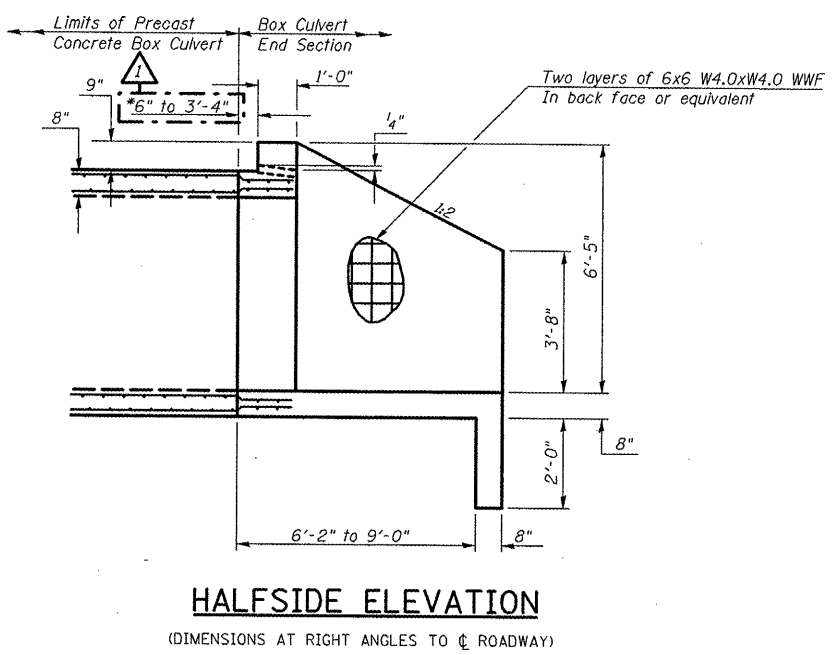
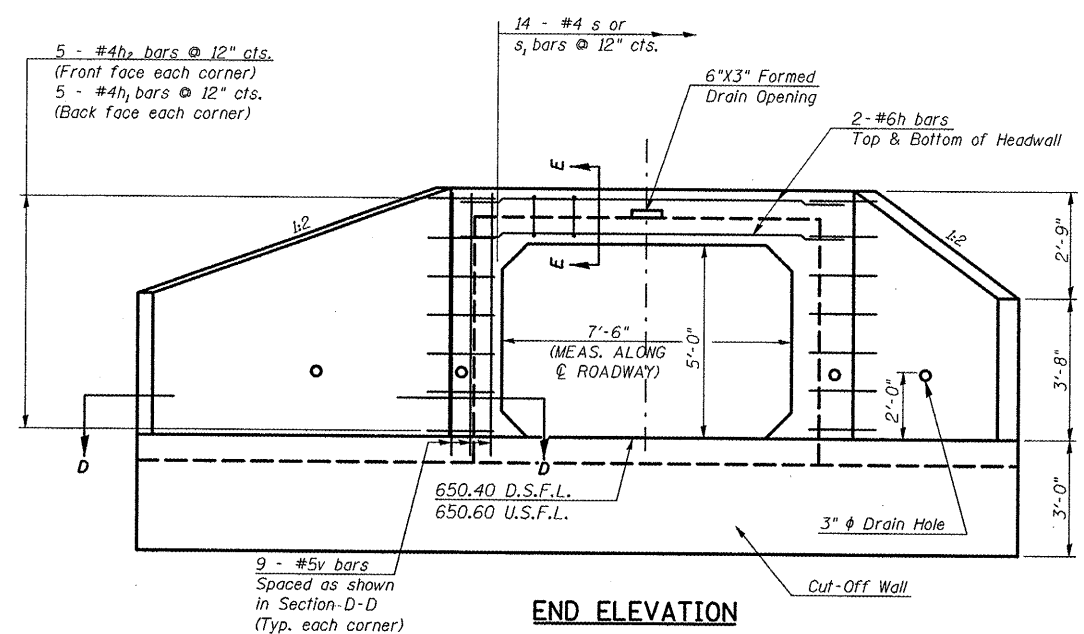


CONTRACT NO. 70623				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808			715	234

• (205.57.105)RS-2  
• CHAMPAIGN & DOUGLAS



\* Dimensions shall be increased by 3'-0" if the Contractor elects to use the precast option for the Box Culvert End Sections. See Special Provisions.

SHEET 2 OF 6

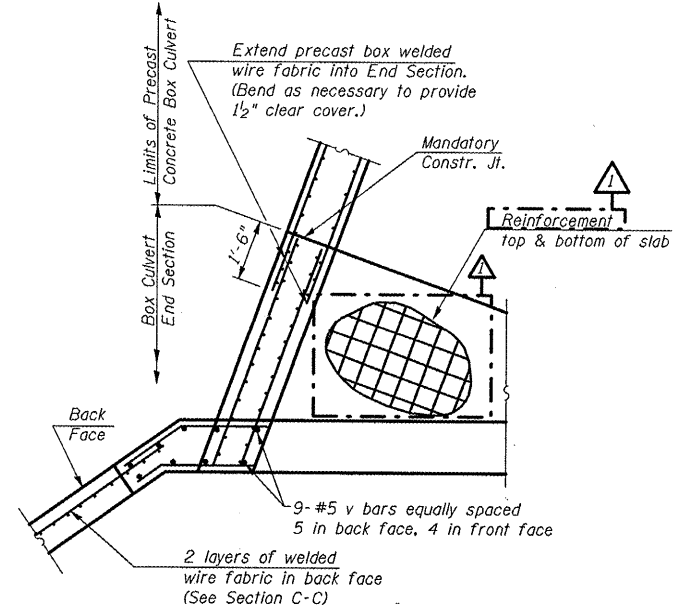
**END SECTION DETAILS**  
**SINGLE 7'x5' PRECAST BOX CULVERT**  
**AT SKEW = 20° LT. FWD.**  
**F.A.P. ROUTE 808 - SECTION (205.57.105)RS-2**  
**CHAMPAIGN COUNTY**  
**STATION 2013+50.00, S.N. 010-8145**  
**CULVERT NO. 4**

Plot Date = 10/27/2009  
File Name = a:\work\p\10101\CARROLLT\4818145\70623\Culvert No 4 & 6 Address.dgn  
Plot Scale = 1/8" = 1'-0"  
User Name = carrollt

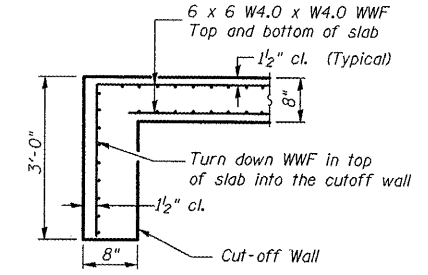
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808			715	235

CONTRACT NO. 70623

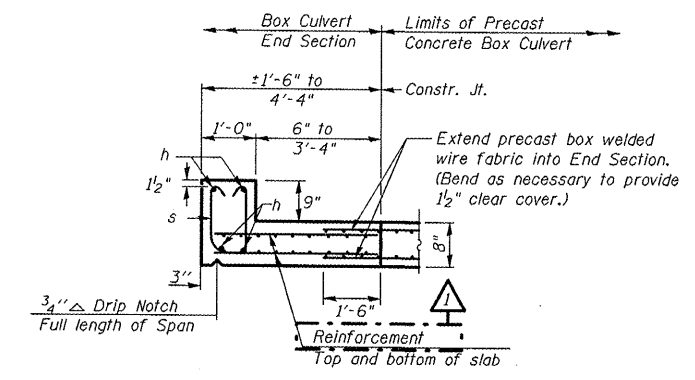
(205,57,105)RS-2  
CHAMPAIGN & DOUGLAS



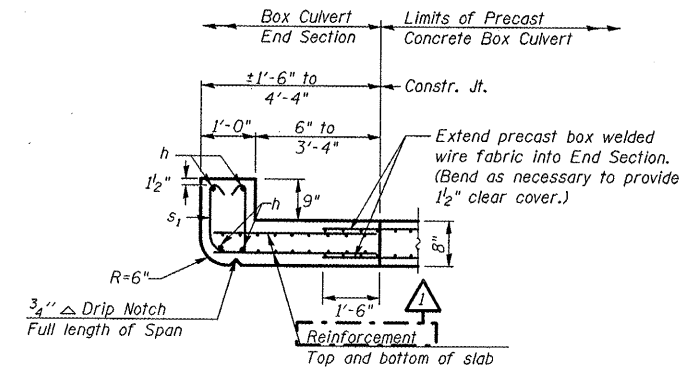
**SECTION D-D**  
LONG WING  
(Showing reinforcement)



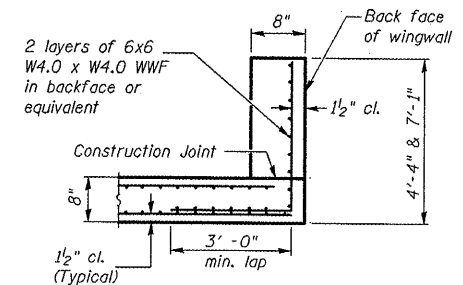
**SECTION A-A**  
DOWNSTREAM END



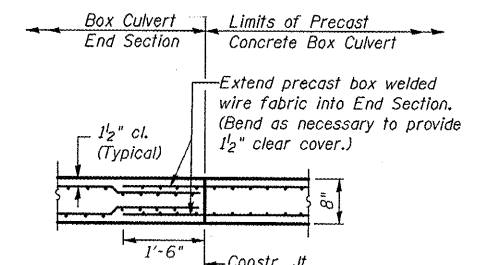
**SECTION E-E**  
TOP SLAB / HEADWALL DOWNSTREAM END  
(DIMENSIONS AT RIGHT ANGLES TO CL ROADWAY)



**SECTION E-E**  
TOP SLAB / HEADWALL UPSTREAM END  
(DIMENSIONS AT RIGHT ANGLES TO CL ROADWAY)



**SECTION C-C**  
WINGWALLS



**SECTION B-B**  
BOTTOM SLAB

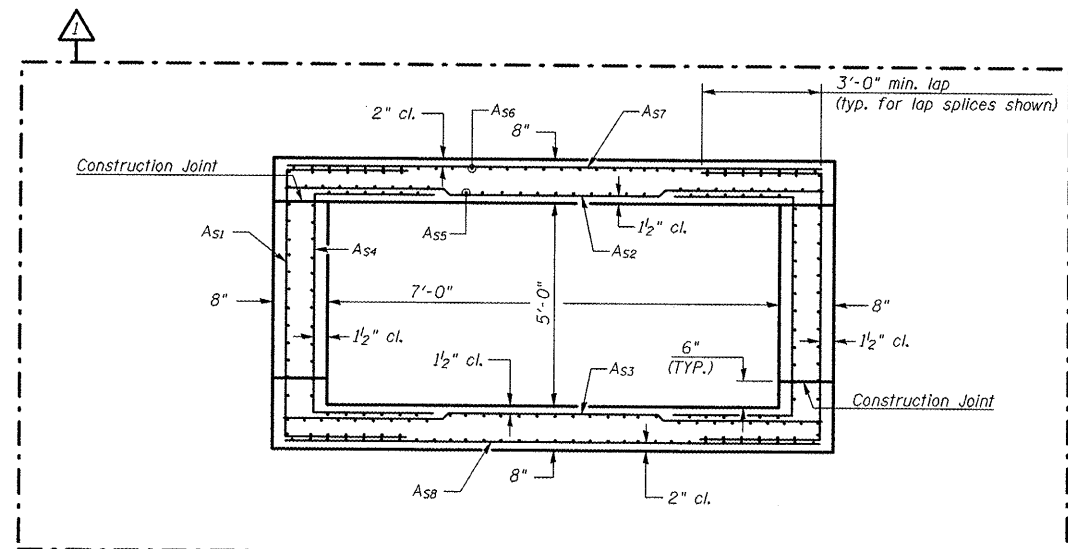
**BILL OF MATERIAL**

For Information Only  
(One End Section)

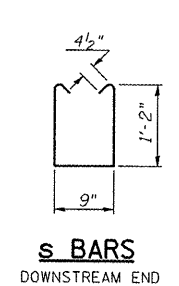
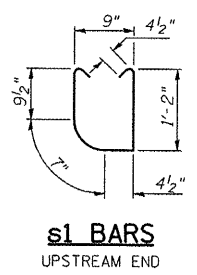
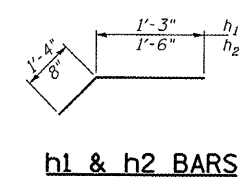
Bar	No.	Size	Length	Shape
h	4	#6	10'-4"	—
h <sub>1</sub>	14	#4	2'-7"	—
h <sub>2</sub>	14	#4	2'-2"	—
s or s <sub>1</sub>	8	#4	3'-10"	□ □
v	18	#5	6'-10"	—
Item		Unit	Total	
Class SI Concrete		Cu. Yd.	8.4	
Reinforcement Bars		Pound	256.0	
Welded Wire Fabric		Sq. Ft.	794.0	

SHEET 3 OF 6

**END SECTION DETAILS**  
**SINGLE 7'x5' PRECAST BOX CULVERT**  
**AT SKEW = 20° LT. FWD.**  
**F.A.P. ROUTE 808 - SECTION (205,57,105)RS-2**  
**CHAMPAIGN COUNTY**  
**STATION 2013+50.00, S.N. 010-8145**  
**CULVERT NO. 4**



**CAST-IN-PLACE SECTION OF BOX CULVERT TO BE BUILT IN FIELD**



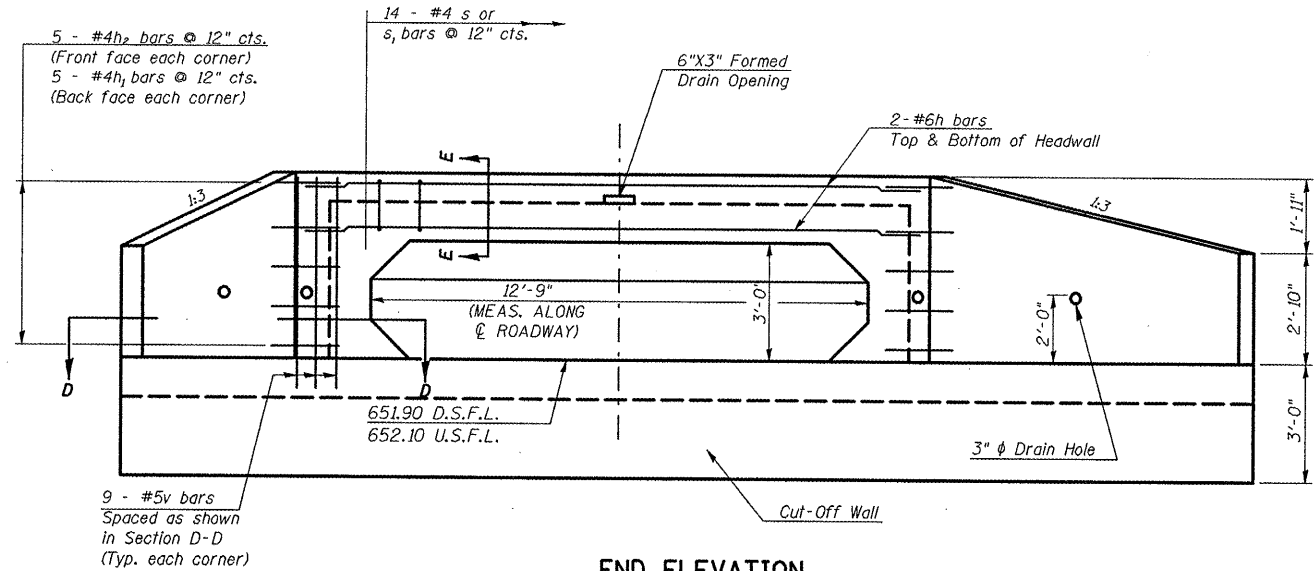
Note: Area of reinforcement for the cast-in-place section of box culvert shall be as required in AASHTO M 273 except A<sub>S2</sub>, A<sub>S3</sub>, and A<sub>S5</sub> shall be increased to 0.62, 0.32, and 0.23. Spacing and laps of WWF shall be in accordance with AASHTO M 273 except as shown in Cast-In-Place Section of Box Culvert To Be Built In Field. If the Contractor elects to use reinforcement bars instead of WWF for cast-in-place section of box culvert, bars may consist of #3 thru #6 bars and the spacing shall not exceed the lesser of the wall thickness or 8".

PLOT DATE = 10/27/2009  
 FILE NAME = c:\pva\wpk\p\p\DOT\CARRROLL\145\70623\Culvert No. 4 & 8\addendum.dgn  
 PLOT SCALE = 0.3529 / IN.  
 USER NAME = carrollr

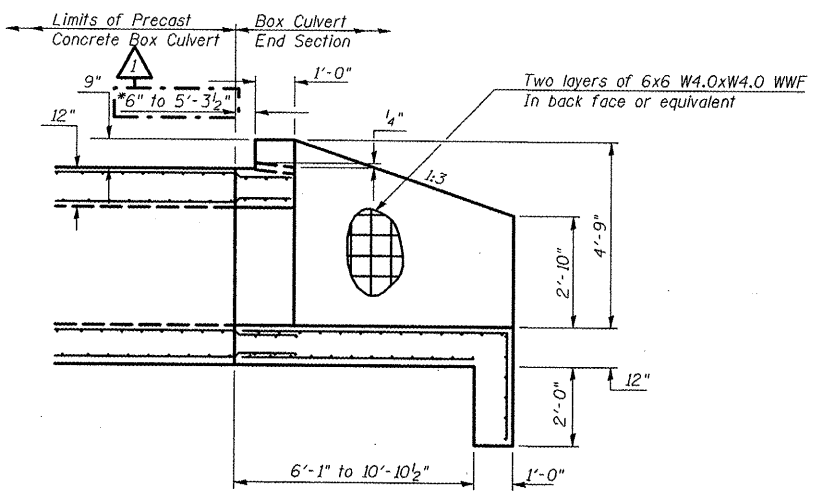
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808			715	246

CONTRACT NO. 70623

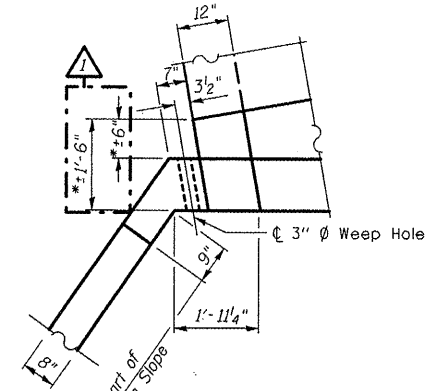
(205,57,105)RS-2  
 CHAMPAIGN & DOUGLAS



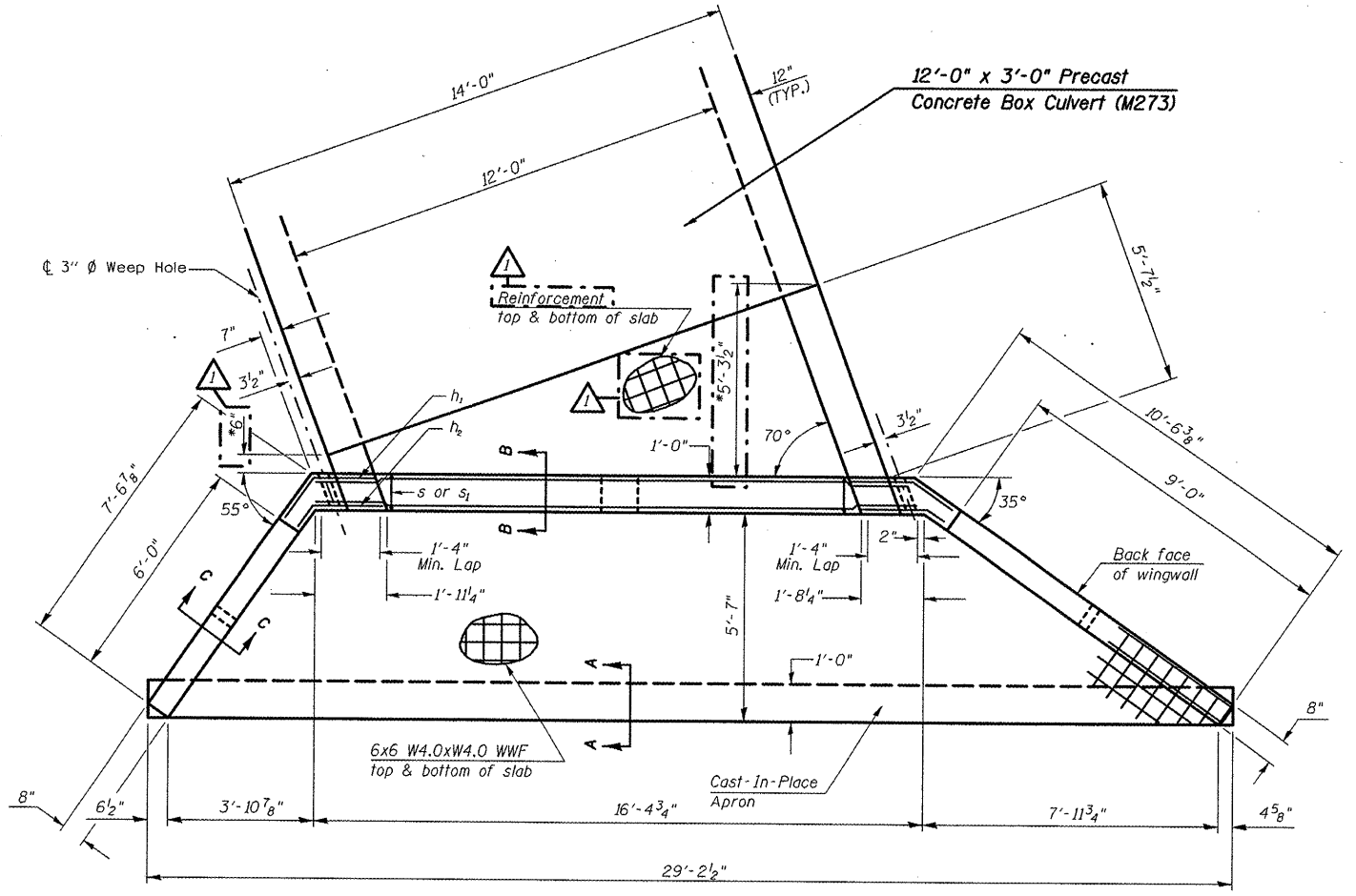
**END ELEVATION**



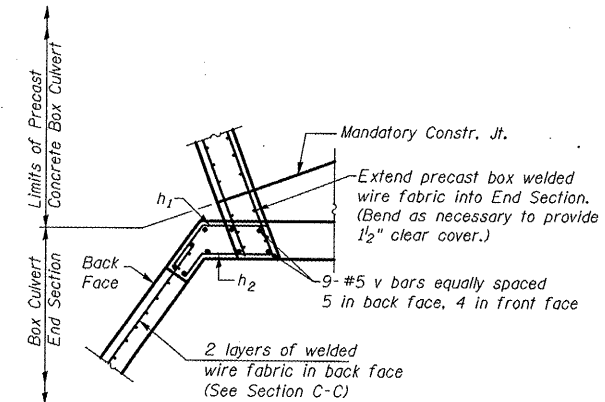
**HALF SIDE ELEVATION**  
 (DIMENSIONS AT RIGHT ANGLES TO CL OF ROADWAY)



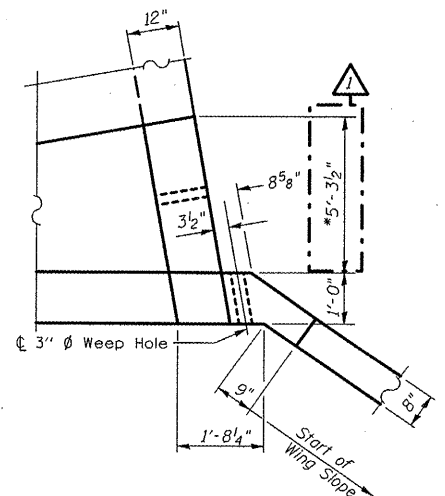
**CORNER DETAIL**  
 SHORT WING  
 (Showing dimensions and weep hole)



**PLAN**



**SECTION D-D**  
 SHORT WING  
 (Showing reinforcement)



**CORNER DETAIL**  
 LONG WING  
 (Showing dimensions and weep hole)

\* Dimensions shall be increased by 3'-0" if the Contractor elects to use the precast option for the Box Culvert End Sections. See Special Provisions.

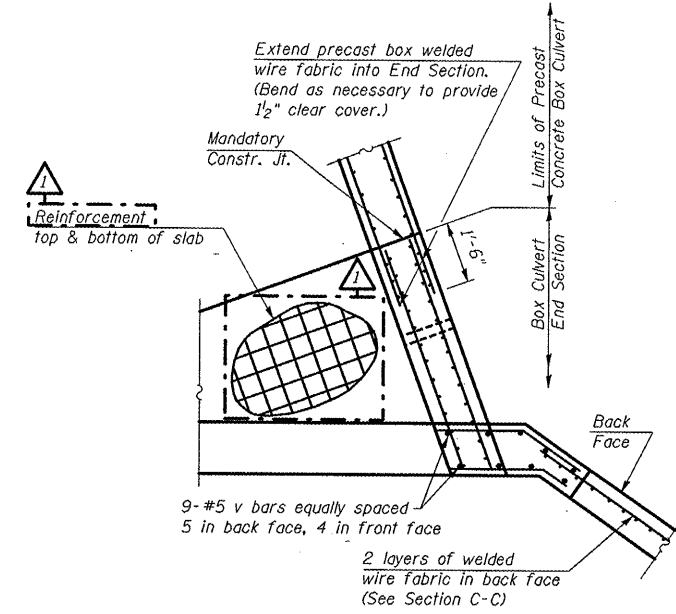
SHEET 2 OF 9

**END SECTION DETAILS**  
**SINGLE 12'x3' PRECAST BOX CULVERT**  
**AT SKEW = 20° RT. FWD.**  
**F.A.P. ROUTE 808 - SECTION (205,57,105)RS-2**  
**CHAMPAIGN COUNTY**  
**STATION 2030+82.00, S.N. 010-8143**  
**CULVERT NO. 6**

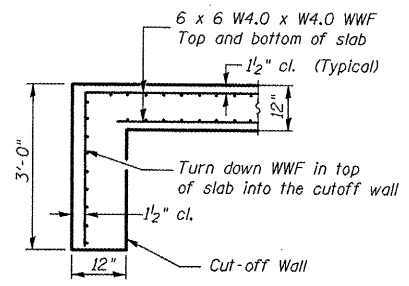
PLOT DATE = 10/27/2009  
 FILE NAME = c:\pvc\cck\pvc\DOT\CORROLL\RT\_01018143\70623\_Culvert No 4 & 6\_Addendum.dgn  
 PLOT SCALE = 42.5899 / IN.  
 USER NAME = carrollr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808		**	715	247

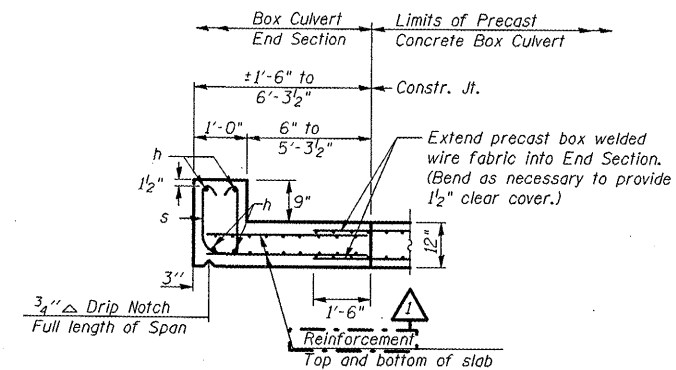
(205,57,105)RS-2  
 \*\* CHAMPAIGN & DOUGLAS



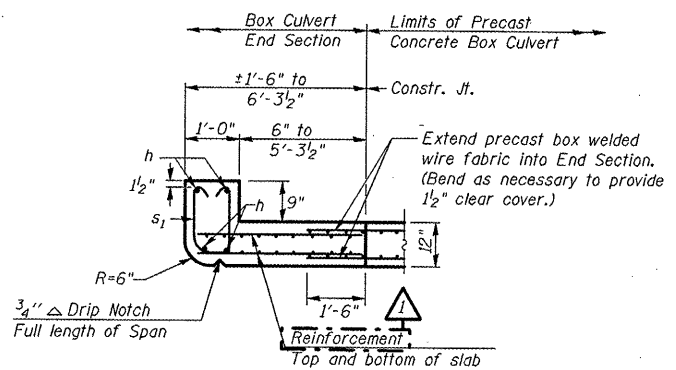
**SECTION D-D**  
 LONG WING  
 (Showing reinforcement)



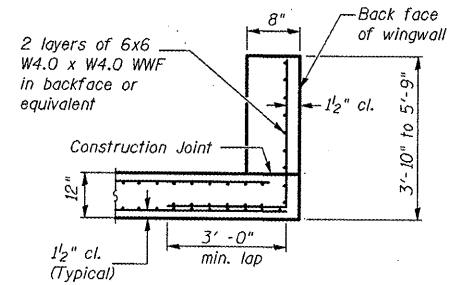
**SECTION A-A**  
 DOWNSTREAM END



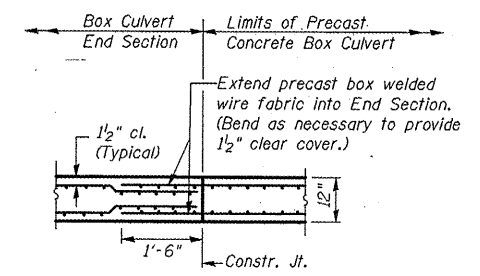
**SECTION E-E**  
 TOP SLAB / HEADWALL DOWNSTREAM END  
 (DIMENSIONS AT RIGHT ANGLES TO C ROADWAY)



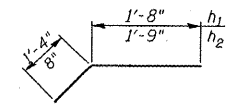
**SECTION E-E**  
 TOP SLAB / HEADWALL UPSTREAM END  
 (DIMENSIONS AT RIGHT ANGLES TO C ROADWAY)



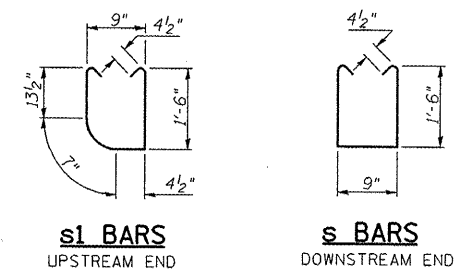
**SECTION C-C**  
 WINGWALLS



**SECTION B-B**  
 BOTTOM SLAB



**h1 & h2 BARS**



**s1 BARS**  
 UPSTREAM END

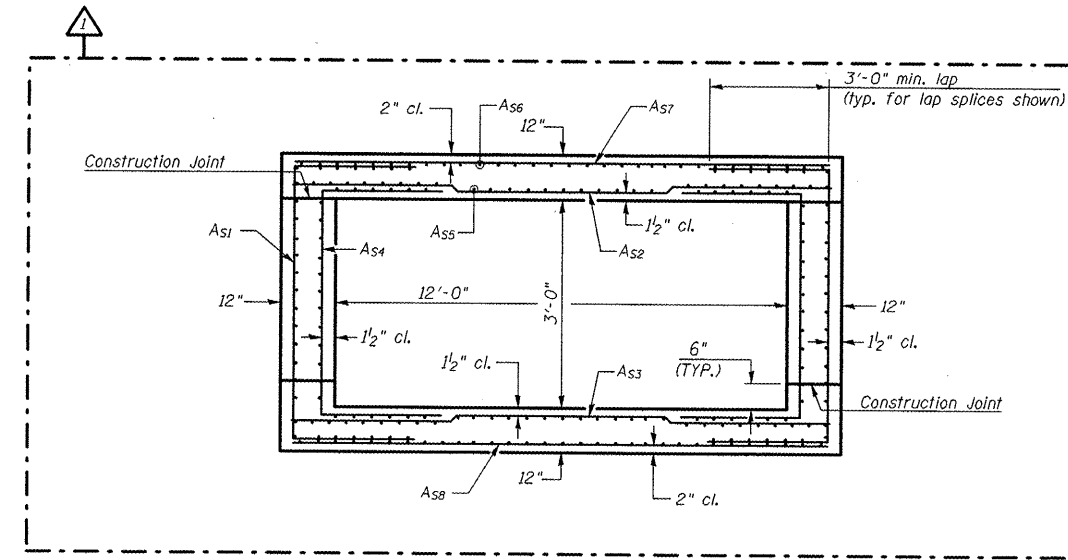
**s BARS**  
 DOWNSTREAM END

**BILL OF MATERIAL**  
 For Information Only  
 (One End Section)

Bar	No.	Size	Length	Shape
h	4	#6	16'-5"	—
h1	10	#4	3'-0"	—
h2	10	#4	2'-5"	—
s or s1	14	#4	4'-6"	□
v	18	#5	5'-6"	—
Item		Unit	Total	
Class SI Concrete		Cu. Yd.	13.4	
Reinforcement Bars		Pound	281.0	
Welded Wire Fabric		Sq. Ft.	167.0	

SHEET 3 OF 9

**END SECTION DETAILS**  
**SINGLE 12'x3' PRECAST BOX CULVERT**  
**AT SKEW = 20° RT. FWD.**  
**F.A.P. ROUTE 808 - SECTION (205,57,105)RS-2**  
**CHAMPAIGN COUNTY**  
**STATION 2030+82.00, S.N. 010-8143**  
**CULVERT NO. 6**



**CAST-IN-PLACE SECTION OF BOX CULVERT TO BE BUILT IN FIELD**

Note: Area of reinforcement for the cast-in-place section of box culvert shall be as required the Special Provision Precast Box Culvert Reinforcement except As2 and As3 shall be increased to 0.53 and 0.33. Spacing and laps of WWF shall be in accordance with AASHTO M 273 except as shown in Cast-In-Place Section of Box Culvert To Be Built In Field. If the Contractor elects to use reinforcement bars instead of WWF for cast-in-place section of box culvert, bars may consist of #3 thru #6 bars and the spacing shall not exceed the lesser of the wall thickness or 8".

PLOT DATE = 10/27/2009  
 PLOT SCALE = 1/8" = 1'-0"  
 PLOT USER = ebr311  
 USER NAME = ebr311