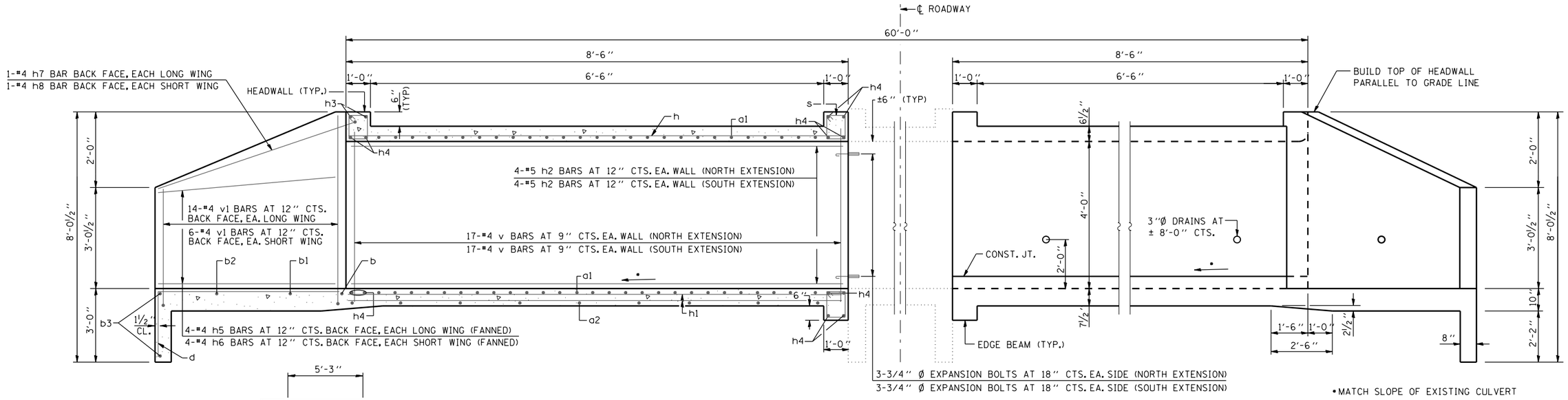
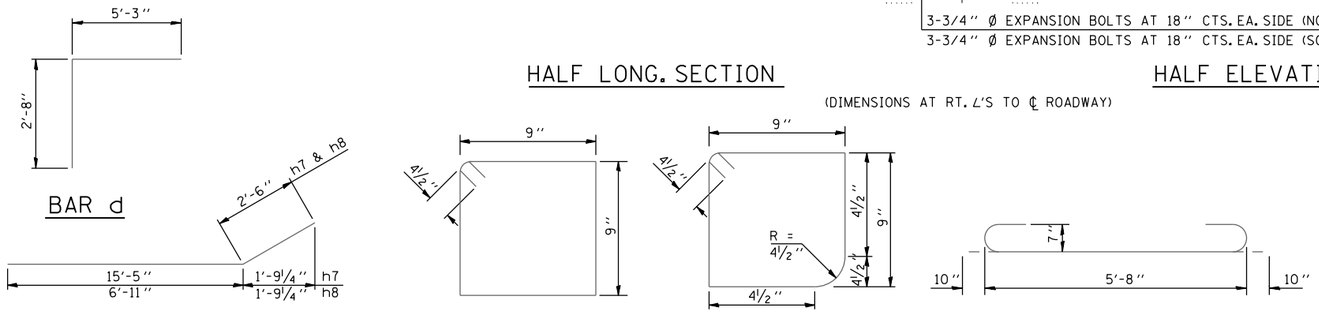


HALF LONG. SECTION

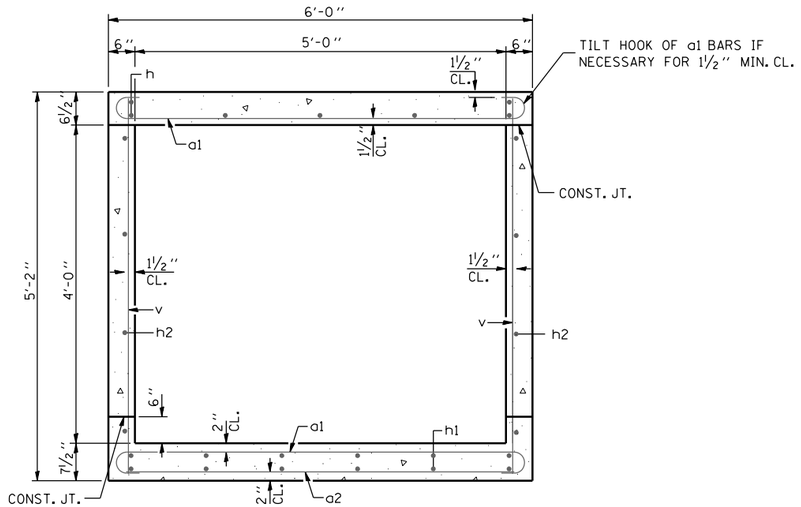
HALF ELEVATION

(DIMENSIONS AT RT. ℄'S TO ℄ ROADWAY)

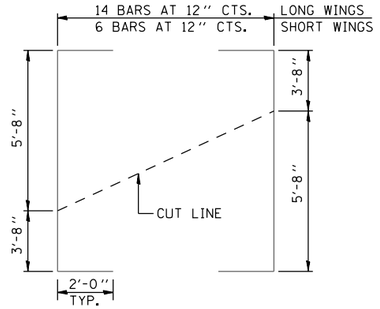


BILL OF MATERIAL

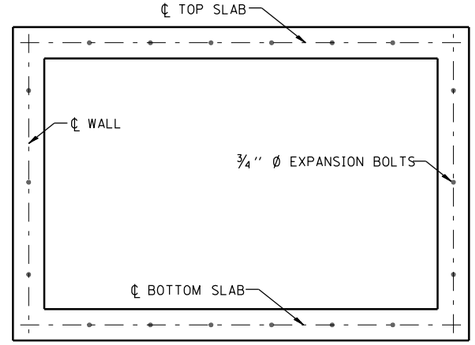
BAR	NO.	SIZE	LENGTH	SHAPE
a1	72	#7	7'-4"	⊂⊃
a2	12	#4	5'-6"	——
b	2	#4	10'-6"	——
b1	2	#4	14'-9"	——
b2	2	#4	19'-0"	——
b3	4	#4	23'-3"	——
d	26	#4	7'-11"	⌐
h	14	#6	11'-8"	——
h1	24	#4	11'-8"	——
h2	16	#5	11'-8"	——
h3	4	#6	6'-6"	——
h4	24	#6	8'-1"	——
h5	8	#4	15'-3"	——
h6	8	#4	6'-6"	——
h7	2	#4	17'-11"	——
h8	2	#4	9'-5"	——
s	40	#4	3'-9"	□
s1	8	#4	3'-7"	□
v	68	#4	4'-10"	——
v1	20	#4	13'-4"	└┘
REINFORCEMENT BARS		POUND	3,010	



SECTION THRU BARREL



FIELD CUTTING DIAGRAM BAR v1



EXPANSION BOLT LOCATION DETAIL

NOTES:

1. EXPOSED EDGES SHALL BE BEVELED ¾".
2. FOR BACKFILLING AND EMBANKMENT, SEE STANDARD SPECIFICATIONS.
3. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR. 60. SEE SPECIAL PROVISIONS.
4. EXPANSION BOLTS SHALL BE ¾" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.

DESIGN STRESSES

(NEW CONSTRUCTION)

fy= 60,000 PSI
f'c= 3,500 PSI

LOADING HS 20-44

(NEW CONSTRUCTION)

FILE NAME = c:\pw_work\pwidot\laughlinrl\d0244977\D672B05-sht-Box Culvert Details.dgn	USER NAME = laughlinrl	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Nov-03-2010 11:37:12AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS
IL 9 STATION 1152+05

SCALE: none | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	(117,118)RS-4,119RS-1; 118B-1	HANCOCK	101	67
		CONTRACT NO. 72B05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		