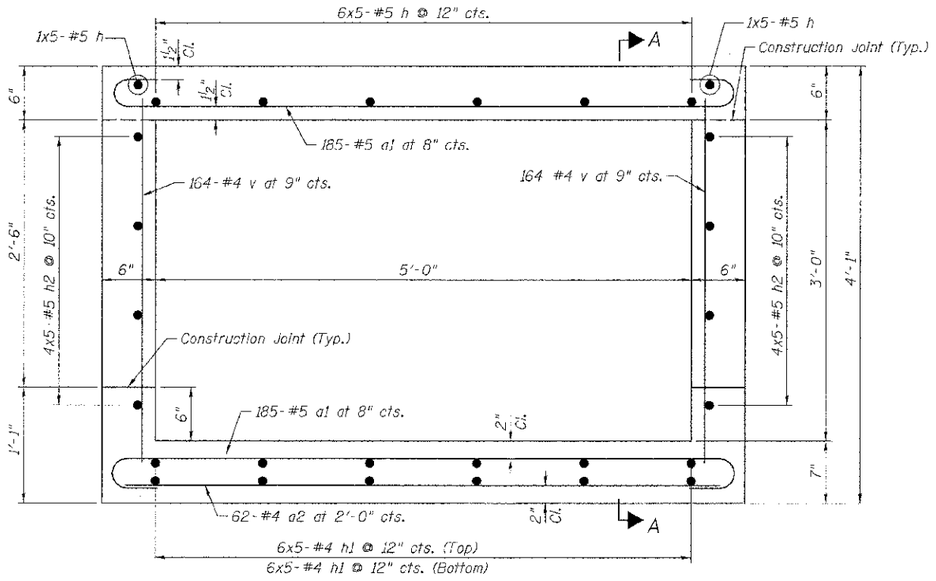


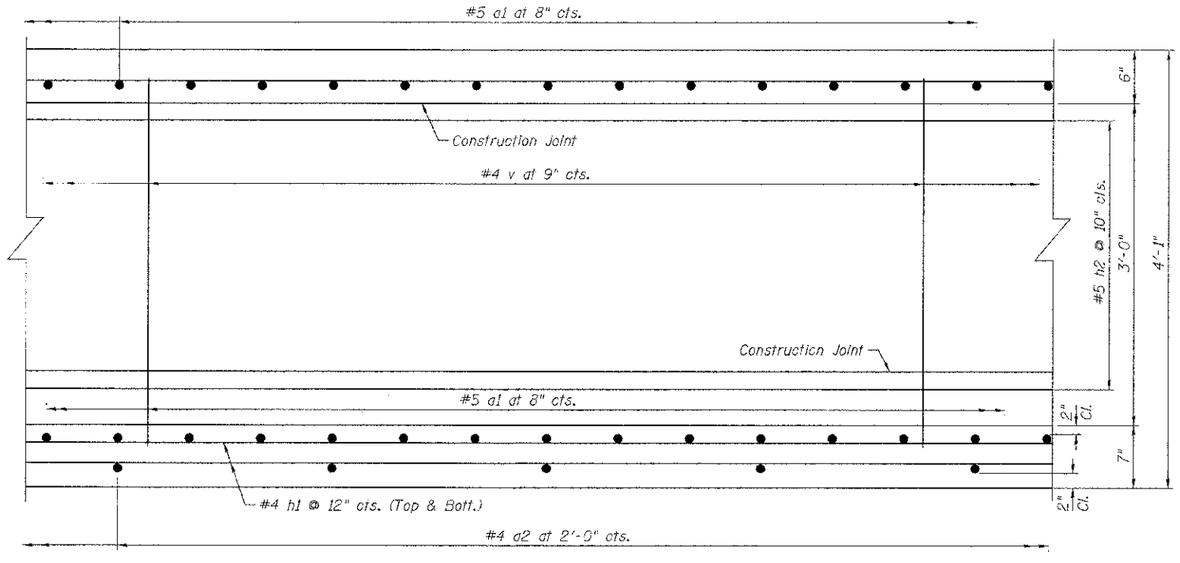
SECTION THRU BARREL

BILL OF BARS

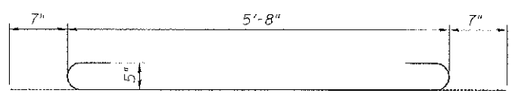
Bar	No.	Size	Length	Shape
a1	370	#5	6'-10"	
a2	64	#4	5'-8"	
d	12	#4	4'-6"	
h	40	#5	27'-0"	
h1	60	#4	26'-6"	
h2	40	#5	27'-0"	
h3	32	#4	8'-0"	
h4	4	#6	5'-9"	
h8	24	#4	8'-3"	
v	328	#4	3'-9"	
v1	16	#4	6'-9"	

Bars indicated thus 6x5 #5 etc. indicates 6 lines of bars with 5 lengths per line.

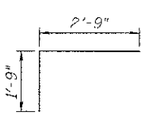
Minimum bar lap lengths for #5 bars is 1'-9" and for #4 bars is 1'-5".



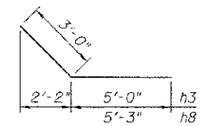
SECTION A-A PARTIAL LONGITUDINAL SECTION



BAR a1



BAR d



BAR h3 & h8

URS
100 S. WACKER DR.
SUITE 500
CHICAGO IL. 60606
TEL (312)-939-1000
FAX (312)-939-4198

USER NAME = #STB#	DESIGNED - STB/KJZ	REVISED -	
	CHECKED - NPP	REVISED -	
PLOT SCALE = 2.6 '/ IN.	DRAWN - SOI	REVISED -	
PLOT DATE = 12/18/2012	CHECKED - NPP	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS, DETAILS AND BILL OF BARS

SHEET NO. 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	01-00181-00-FP	WILL	328	220
		CONTRACT NO. 63647		
		ILLINOIS FED. AID PROJECT		

FILE NAME = q:\wpath_2536738L.96th\drawings\contract-across-this\structures\culvert-sections-details-and-bill-of-bars.dgn