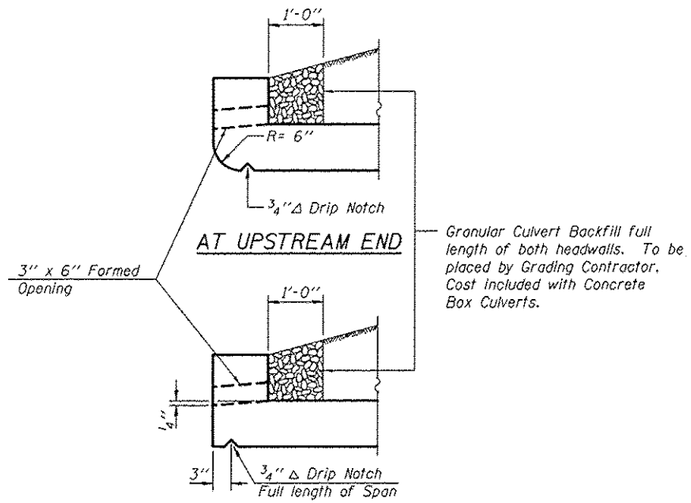
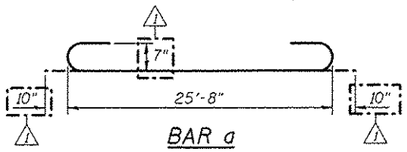
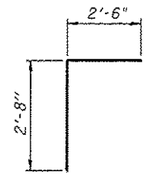
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



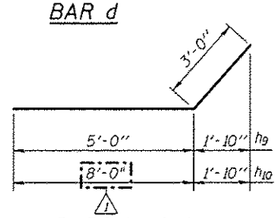
DRAIN DETAIL



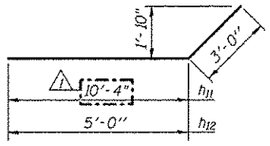
BAR a



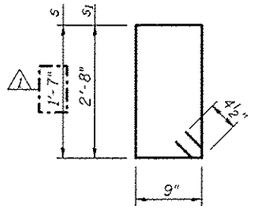
BAR d



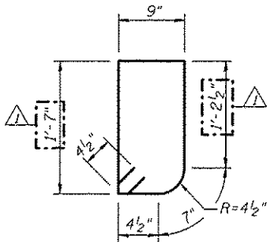
BARS h9 & h10



BARS h11 & h12



BAR s & s1

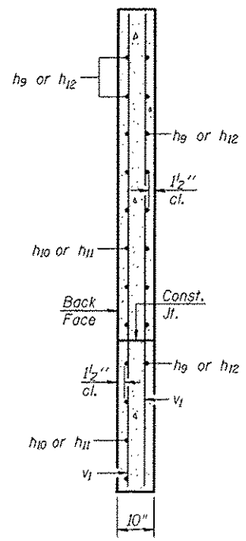


BAR s2

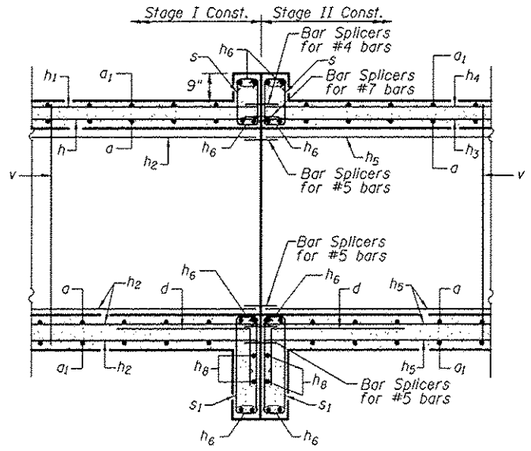
BILL OF MATERIALS

Bar	No.	Size	Length	Shape
a	236	#7	27'-4"	
a1	236	#7	25'-8"	
d	100	#4	5'-2"	
h	70	#7	11'-7"	
h1	52	#4	10'-11"	
h2	134	#5	11'-1"	
h3	105	#7	26'-0"	
h4	78	#4	25'-0"	
h5	201	#5	25'-3"	
h6	24	#6	26'-2"	
h7	8	#6	25'-10"	
h8	8	#5	26'-2"	
h9	20	#4	8'-0"	
h10	20	#4	11'-0"	
h11	20	#6	13'-4"	
h12	20	#6	8'-0"	
v	283	#4	6'-8"	
v1	16	#4	9'-1"	
s	105	#4	5'-5"	
s1	104	#4	7'-7"	
s2	35	#4	5'-3"	
Reinforcement Bars			Pound	46,430
Concrete Box Culverts			Cu. Yd.	272

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



SECTION A-A



STAGED CONSTRUCTION DETAIL

⚠1 SHEET ADDED 2-28-2013

The VOLKERT/DMA Joint Venture	USER NAME = #USER#	DESIGNED BLM	REVISED
		DRAWN TJR	REVISED
	PLOT SCALE = #SCALE#	CHECKED JEK	REVISED
	PLOT DATE = #DATE#	DATE 02-04-2013	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS & BILL OF MATERIALS
STRUCTURE NO. 034-2527

SCALE: NTS | SHEET 5 OF 9 SHEETS | STA. 146+92.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	113 (B-4)	HANCOCK	62	40A ⚠1
		CONTRACT NO. 72B62		
	ILLINOIS FED. AID PROJECT			