



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	118	#9	15'-8"	U
a2	21	#4	13'-2"	—
d	58	#4	4'-6"	—
h	14	#7	16'-2"	—
h1	26	#5	16'-2"	—
h2	18	#6	16'-2"	—
h3	72	#7	8'-0"	—
h4	8	#6	14'-0"	—
h5	12	#7	14'-0"	—
h6	76	#7	17'-6"	—
h7	14	#7	18'-2"	—
h10	26	#5	18'-2"	—
h11	18	#6	18'-2"	—
v	114	#4	9'-3"	—
v1	110	#4	2'-7"	—
v2	16	#4	15'-0"	—
s	15	#4	9'-6"	□
g	15	#4	9'-0"	□
g	30	#4	5'-0"	□
Concrete Box Culverts		Cu. Yd.		89
Reinforcement Bars		Pound		15240

BAR SPLICERS

Bar Size	No. Assemblies Required	Location
#7	2	Top of Top of Slab
#7	12	Bottom of Top of Slab
#5	13	Top of Bottom of Slab
#5	13	Bottom of Bottom of Slab
#6	18	Both Walls

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

LOADING HS 20-44

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.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 Precast alternate is not allowed.

BOX CULVERT EXTENSION
F.A.P. ROUTE 329 (IL 154)
PERRY COUNTY
STA. 671+60.00
S.N. 073-7053

SSB-H-0 6-1-2000

FILE NAME =	USER NAME = cornellm	DESIGNED -	REVISED -
ct:\pw-work\PWIDOT\CORNELLM\dms49840\	879269_slh_lm\sc.dgn	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/19/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
SN 073-7053

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881/329	35B-1/18B-1	JOHNSON/PERRY	26	18
CONTRACT NO. 78069				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				