



BILL OF MATERIAL

BAR	No.	SIZE	LENGTH	SHAPE
b(E)	32	#4	16'-10"	—
d(E)	42	#4	6'-8"	U
h1(E)	2	#5	20'-2"	∕
h2(E)	2	#5	22'-0"	∖
h3(E)	10	#5	12'-3"	—
h4(E)	10	#5	14'-3"	—
s(E)	8	#4	25'-5"	U
v1(E)	52	#5	11'-10"	J
CONCRETE BOX CULVERTS			CU. YD.	32.4
REINFORCEMENT BARS EPOXY COATED			POUND	1,689

DESIGN STRESSES

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

MINIMUM BAR LAP

#4 = 1'-8"
#5 = 2'-2"

NOTE: BILL OF MATERIAL SCHEDULE IS TOTAL FOR BOTH ENDS

• CUT OR BEND TO FIT IN FIELD

CONCRETE WINGWALL AND APRON REINFORCEMENT DETAILS

(TYPICAL EACH END)

FILE NAME =	USER NAME = detersdngj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE WINGWALL & APRON REINFORCEMENT DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\detersdngj\d0334983\	8354-039-sht-pln.dgn	DRAWN -	REVISED -			1911	10B-1	JACKSON	19	11
Default	PLOT SCALE = 8.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78385				
	PLOT DATE = 10/16/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				