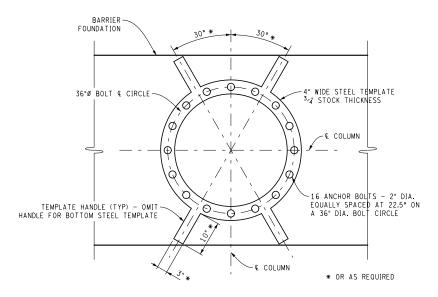


PLAN VIEW TEMPLATE FOR TYPE E TRUSS 50' - 105'

NOTE: OMIT TEMPLATE HANDLES ON BOTTOM STEEL TEMPLATES.

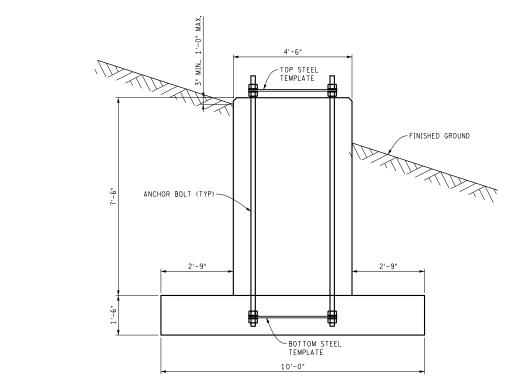


PLAN VIEW TEMPLATE FOR TYPE E TRUSS 110' - 140'

NOTE: OMIT TEMPLATE HANDLES ON BOTTOM STEEL TEMPLATES.

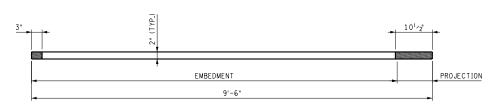
NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION		06/03/2021	SIGN-365-A	SHEET
BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	PLAN DATE	0.0.100071	6 OF 8



CROSS SECTION AT SHOULDER

NOTE: SEE SECTION C-C AND D-D FOR ADDITIONAL INFORMATION.



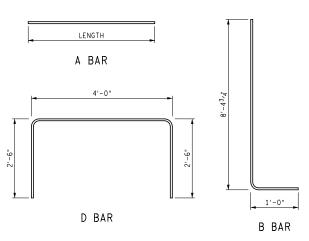
ANCHOR BOLT DETAIL

ANCHOR BOLT TABLE			
STRUCTURE TYPE	PROJECTION	NUMBER REQ'D	
50' TO 105' TYPE E TRUSS	10"	12	
110' TO 140' TYPE E TRUSS	10"	16	

NUTS: 4 PER ANCHOR BOLT WASHERS: 4 PER ANCHOR BOLT

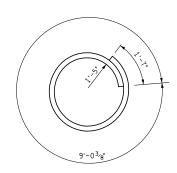
NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION		06/03/2021	SIGN-365-A	SHEET
BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	PLAN DATE	01011-303-A	7 OF 8

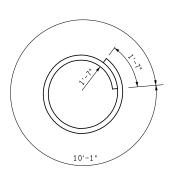


	STEEL REINFORCEMENT (EPOXY COATED)					
	BAR	BAR SIZE	LENGTH	NUMBER REQUIRED	WEIGHT (LBS)	
ſ	A 1	#5	23'-6"	40	981	
	A2	#5	9'-6"	96	952	
	В	#6	9'-43/4"	52	734	
	D	#6	9'-0"	26	352	
	V 1	#4	10'-7 ³ /8"	8	57	
	٧2	#4	11'-8"	8	63	

CONCRETE QUANTITIES		
FOOTING	13.4 CYD	
VERTICAL WALL SECTION	30.0 CYD	
TRANSITION SECTIONS (TYPE A)	19.4 CYD	
TRANSITION SECTIONS (TYPE B)	20.1 CYD	



V1 BAR NOTE: USE WITH 32" DIA. BOLT CIRCLE.



V2 BAR NOTE: USE WITH 36" DIA. BOLT CIRCLE.

NOTES:

THE DESIGN OF THIS FOUNDATION IS BASED ON THE STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 6+h EDITION (2013) WITH 2019 INTERIM REVISIONS.

THE FOUNDATION DESIGN IS BASED ON A MAXIMUM AVERGE FOUNDATION PRESSURE OF 2500 PSF.

USE OF THESE DETAILS IS ONLY PERMITTED FOR FINISHED GRADES OF 1:3 OR FLATTER.

FOR SLOPES OF 1:6 OR FLATTER, DO NOT USE THIS FOOTING ON COHESIVE SOIL THAT HAS AN ULTIMATE SHEAR STRENGTH (Suc) OF LESS THAN 1250 PSF.

FOR SLOPES BETWEEN 1:3 TO 1:6, DO NOT USE THIS FOOTING ON COHESIVE SOIL THAT HAS AN ULTIMATE SHEAR STRENGTH (Suc) OF LESS THAN 1750 PSF.

DO NOT USE THIS FOOTING ON GRANULAR SOIL WITH STANDARD PENETRATION TEST N-VALUES LESS THAN 5.

IF STEEL SHEET PILING IS REQUIRED FOR CONSTRUCTION OF THE FOUNDATION, THEN STEEL SHEET PILING, TEMP, LEFT IN PLACE WILL BE PAID FOR SEPARATELY. THE STEEL SHEET PILING MUST BE LEFT IN PLACE AND CUT OFF 1' BELOW FINISHED GROUND.

A 31-2 SUBFOOTING MAY BE REQUIRED IF THE WATER TABLE IS HIGH OR WATER SEEPAGE INTO THE FOUNDATION EXCAVATION IS EXPECTED. THE CONCRETE FOR THE SUBFOOTING WILL BE PAID FOR SEPARATELY USING THE APPROPRIATE PAY

THE TEMPLATES AND ANCHOR BOLT CAGE MUST BE APPROVED BY MDOT PRIOR TO

DIAMETER OF BOLT HOLES IN TEMPLATES SHALL BE $^{\rm I}{\scriptstyle {\rm Y}}_{\rm I6}{\rm ^{\rm I}}$ LARGER THAN ANCHOR BOLT DIAMETER.

DO NOT HAMMER ON ANCHOR BOLTS OR TEMPLATES.

AFTER THE TOP STEEL TEMPLATE IS REMOVED, THREAD NUTS ON TO BOLT FLUSH WITH THE BOLT END TO PROTECT THREADS UNTIL TRUSS IS ERECTED.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION		06/03/2021	SIGN-365-A	SHEET
BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	PLAN DATE	01011 000 71	8 OF 8