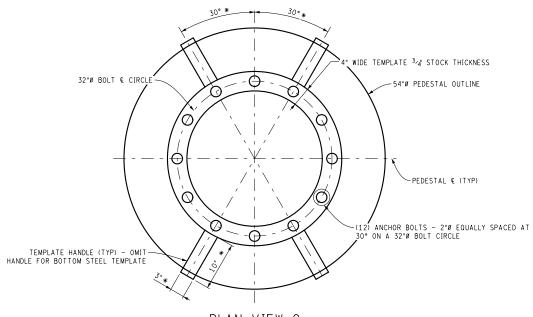


# PLAN VIEW 1

(FOR USE WITH 35 FT AND 40 FT CANTILEVER ARMS)

\* OR AS REQUIRED BY THE ENGINEER.
NOTE: OMIT TEMPLATE HANDLES ON BOTTOM STEEL TEMPLATES.



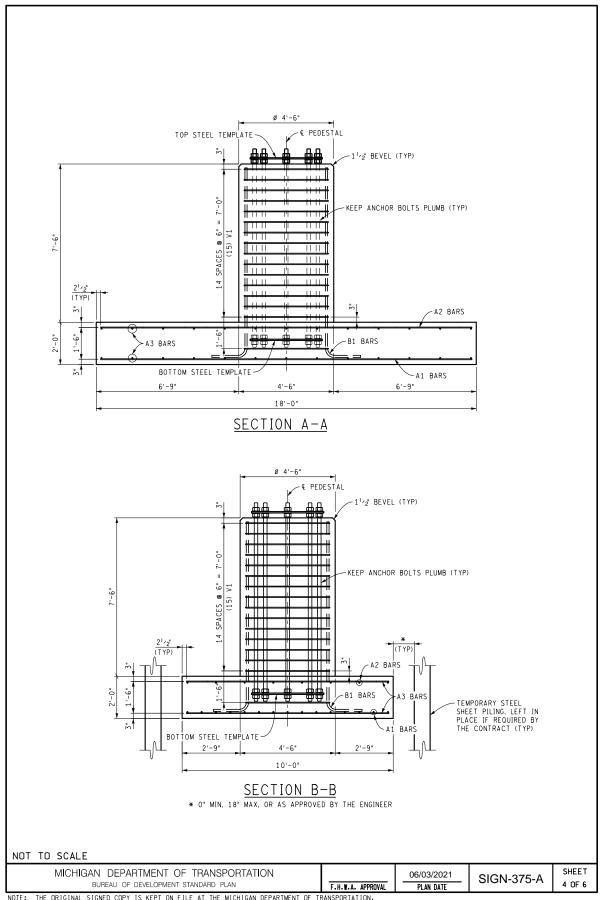
# PLAN VIEW 2

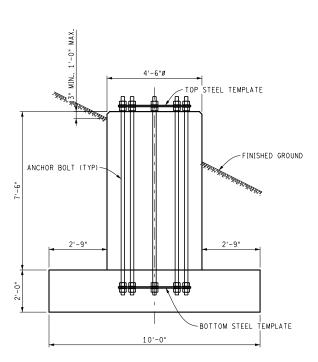
(FOR USE WITH 20 FT THROUGH 30 FT CANTILEVER ARMS OR WITH 35 FT AND 40 FT CANTILEVER ARMS WITH REDUCED SIGN AREA SHOWN IN SIGN-350-SERIES.)

\* OR AS REQUIRED BY THE ENGINEER.
NOTE: OMIT TEMPLATE HANDLES ON BOTTOM STEEL TEMPLATES.

### NOT TO SCALE

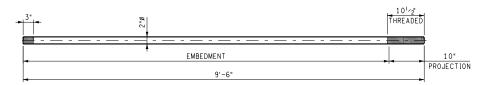
MICHIGAN DEPARTMENT OF TRANSPORTATION		06/03/2021	SIGN-375-A	SHEET
BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	PLAN DATE	SIGIN-375-A	3 OF 6





# CROSS SECTION AT SHOULDER

NOTE: SEE SECTION A-A AND B-B FOR ADDITIONAL INFORMATION



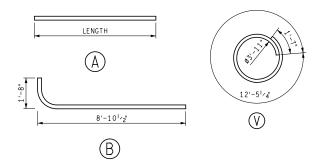
## ANCHOR BOLT DETAIL

ANCHOR BOLT TABLE								
STRUCTURE TYPE				NUMBER	REQ'D			
20 FT	ΤO	30 FT	TYPE	J CAN	TILEV	ERS	12	ΕA
35 FT	ΤO	40 FT	TYPE	J CAN	TILEV	ERS	16	EA

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

#### NOT TO SCALE

#### STEEL REINFORCEMENT (EPOXY COATED) NUMBER REQUIRED WEIGHT BAR SIZE LENGTH BAR (LBS) Δ1 #8 17'-6" 16 748 Α2 #5 17'-6" 292 16 Α3 #5 9'-6" 38 377 В1 #10 10'-6'/2" 14 635 ۷1 #4 14'-0'/4" 16 150



CONCRETE	QUAN	TITIES
FOOTING		13.4 CYD
PEDESTAL		4.5 CYD

### 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 AVERAGE 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 CAPAIND.

A  $3^{1}$ / $2^{\circ}$  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 ITEMS.

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

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-375-A	SHEET
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