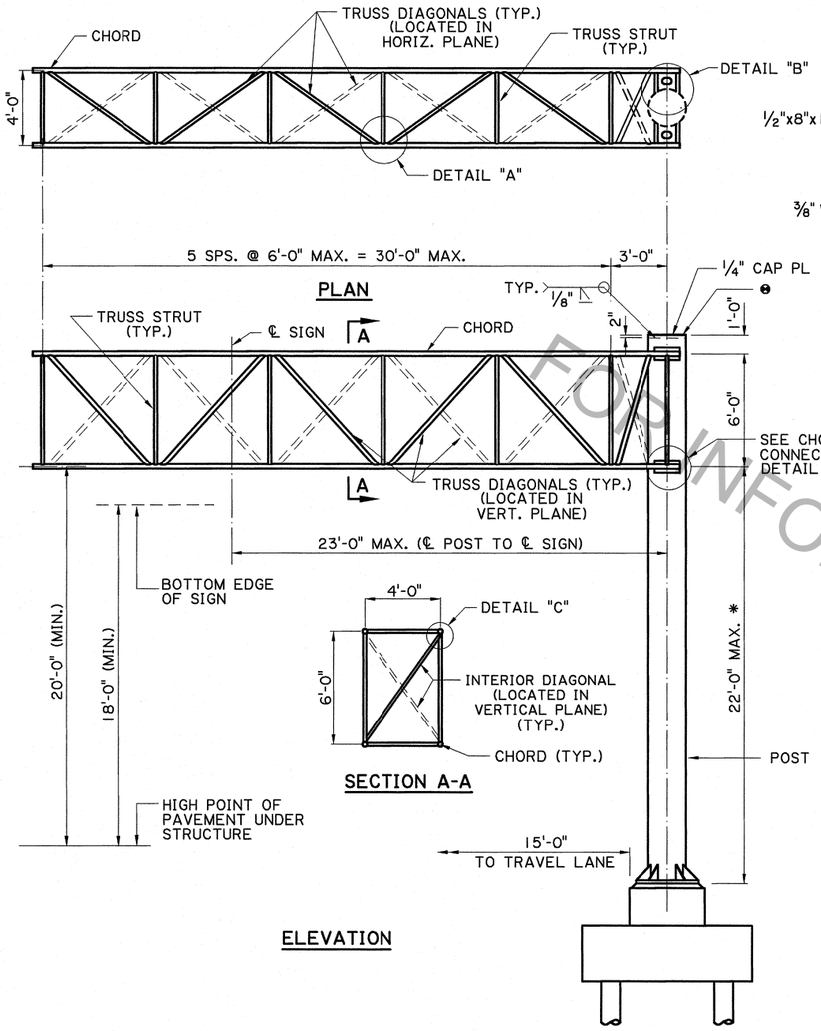
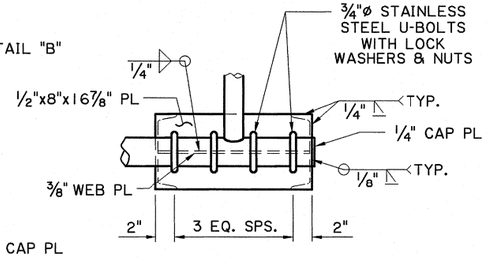
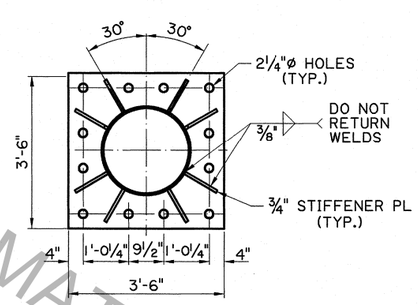
CHECK PRINTS
01-NOV-2011 09:18
IP_PWP:dms55699\Overhead Traffic Signs 09.dgn

FOR INFORMATIONAL PURPOSES ONLY

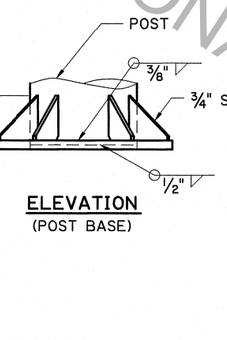




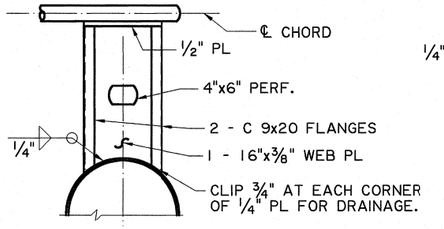
CHORD CONNECTION



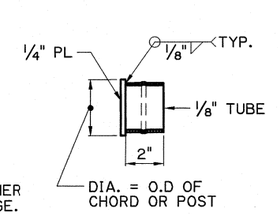
PLAN



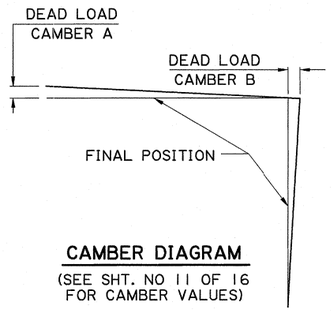
ELEVATION
(POST BASE)



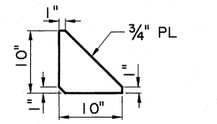
DETAIL B



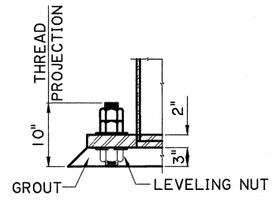
FRICTION CAP DETAIL



CAMBER DIAGRAM
(SEE SHT. NO 11 OF 16 FOR CAMBER VALUES)



3/4" STIFFENER PLATE

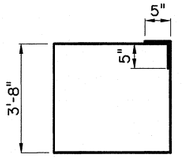


ANCHOR CONNECTION

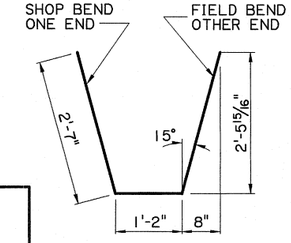
ESTIMATED QUANTITIES (ONE FOOTING)				
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
601	72	7'-8"	552'-0"	FOOTING
602	8	6'-4"	50'-8"	FOOTING
TOTAL NO. 6 BARS = 602'-8"		=		905 LBS.
401	4	15'-6"	62'-0"	STIRRUPS IN FOOTING
402	6	14'-0"	84'-0"	STIRRUPS IN FOOTING
TOTAL NO. 4 BARS = 146'-0"		=		98 LBS.
TOTAL DEFORMED REINFORCING STEEL		=		1003 LBS.
TOTAL CLASS A CONCRETE		=		10.17 CU.YDS.
STRUCTURAL EXCAVATION		=		34.7 CU.YDS.
STRUCTURAL STEEL (ANCHOR BOLTS)		=		578 LBS.
⊠ ⊖ TREATED TIMBER PILES		=		200 LIN.FT.

⊖ WIND ZONE 2 ASSUMED FOR PILE QUANTITIES. FOR OTHER WIND ZONES, ADJUST QUANTITIES ACCORDINGLY. SEE FOOTING PILE DATA TABLE.

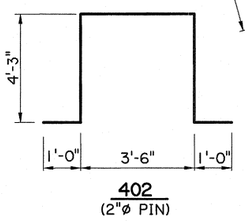
FOOTING PILE DATA TABLE ⊠			
WIND ZONE	PILE SIZE (IN.)		PILE LENGTH (FT.)
	BUTT	TIP	
1	11.6	8	45
2	11.9	8	50
3	13.9	8	75



401
(2"ø PIN)



602
(4 1/2"ø PIN)



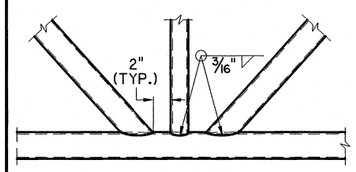
402
(2"ø PIN)

DIRECTION OF TRAFFIC

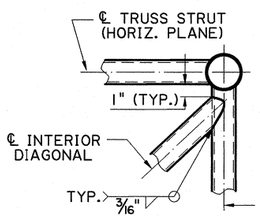
* IN SPECIAL CASES, WITH PRIOR APPROVAL FROM THE D.O.T.D. BRIDGE DESIGN ENGINEER, THIS DIMENSION MAY BE EXCEEDED.

△ ANCHOR BOLTS TO BE TIGHTENED ACCORDING TO SPECIAL PROVISIONS. ANCHOR BOLTS SHALL BE FURNISHED IN A PREPOSITIONED ANCHOR BOLT ASSEMBLY. (TWO TEMPLATES REQUIRED)

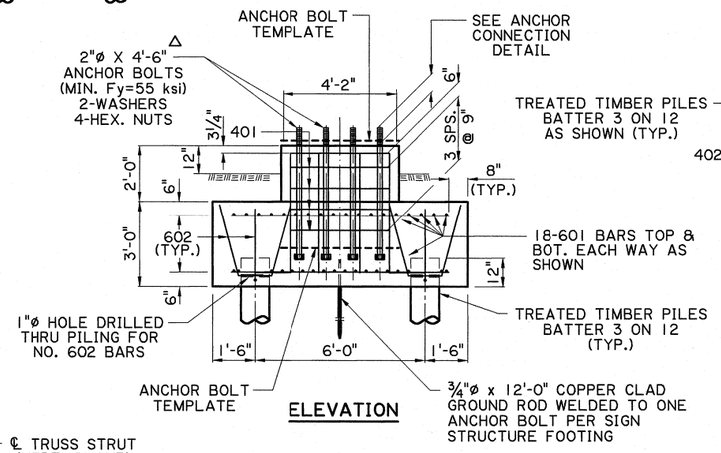
❷ ALTERNATE CAP: FRICTION WATER TIGHT CAP MAY BE USED ON EXPOSED ENDS OF ALL PIPES. SEE DETAILS.



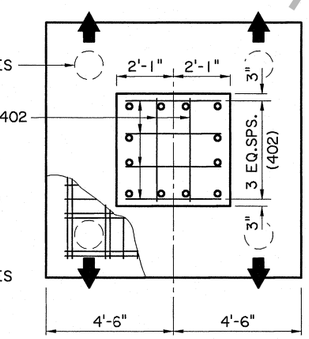
DETAIL A



DETAIL C



ELEVATION



PLAN

FOOTING DETAIL ⊠

NOTES:

ALL TRUSS AND POST MEMBERS SHALL BE STEEL AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-123.

THIS SHEET TO BE USED WITH THE CANTILEVER DESIGN TABLES AND THE GENERAL NOTES SHEET.

THE MAXIMUM PILE DESIGN LOAD IS 30 TONS PER PILE.

⊠ DRILLED SHAFT ALTERNATE ALLOWED. SEE SHT. NO. 13 OF 16.

KURT M. BRAUNER
License No. 30567
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
STATE OF LOUISIANA
8/29/11

CHING-NIEN TSAI
REG. No. 23092
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
STATE OF LOUISIANA
8/29/11

FOR GEOTECHNICAL INFORMATION ONLY

SHEET NUMBER

PARISH	FEDERAL PROJECT	STATE PROJECT

DESIGNED	K. BRAUNER
CHECKED	C. PORTER
DETAILED	I.KORILOVA
CHECKED	K. BRAUNER
DATE	JAN. 2011
SHEET	9 OF 16

NO.	DATE	REVISION DESCRIPTION	BY

GROUND MOUNTED CANTILEVER
(STEEL)

BD.2.7.1.0.9 - OVERHEAD TRAFFIC SIGNS

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

BRIDGE AND STRUCTURAL DESIGN