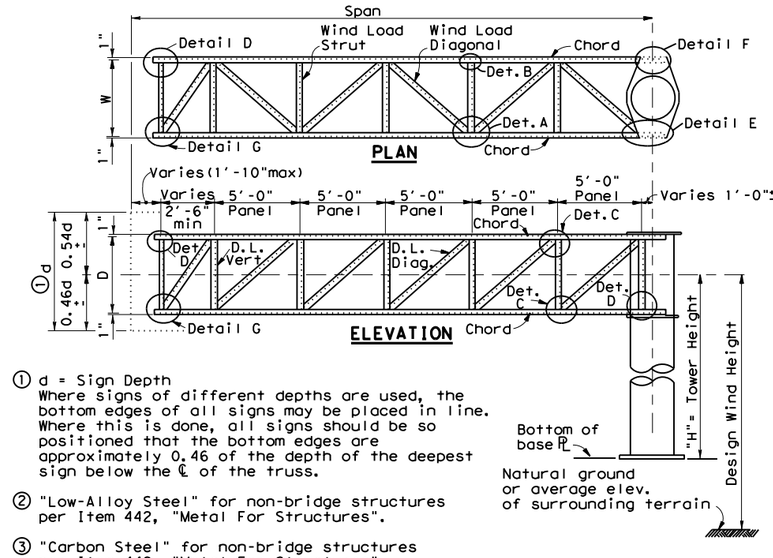
DATE:
FILE:

COSS STRUCTURES

	STRUCTURE NO. AND STATION			
	DESIGN WIND HEIGHT, Hd (feet)			
TRUSS DETAILS	LENGTH OF SPAN (feet)			
	W x D & SIZE HS BOLTS	x w/ " Dia HS Bolts	x w/ " Dia HS Bolts	x w/ " Dia HS Bolts
	LENGTH OF TRUSS PANELS	End = Other =	End = Other =	End = Other =
	CHORD			
	DEAD LOAD DIAGONAL			
	WIND LOAD DIAGONAL			
	DEAD LOAD VERTICAL			
	WIND LOAD STRUT			
	TRUSS DL & DEFL	DL = lb/ft, Δ_V = "	DL = lb/ft, Δ_V = "	DL = lb/ft, Δ_V = "
	TOWER HEIGHT AT TRUSS ℄ (feet)			
TOWER DETAILS	TOWER PIPE DIA & WALL THICKNESS	Dia = Thick =	Dia = Thick =	Dia = Thick =
	TOWER PIPE Δ_H AT ℄ TRUSS			
	NO. & SIZE OF ANCHOR BOLTS			
	ANCHOR BOLT CIRCLE DIA			
	BASE ℙ SIZE			
	TRUSS TO TOWER CONNECTION			
DESIGN LOADS				
	SHEAR (Kips)			
	TORSION (Kip-ft)			
	MOMENT (Kip-ft)			
		w/ "N" =	w/ "N" =	w/ "N" =
FOUNDATION	SOIL (Sand or Clay) & "N"			
	SIZE & LENGTH OF DR SHAFT			
	MAIN SHAFT STEEL			
	SHAFT SPIRAL REINFORCING			

OSB STRUCTURES

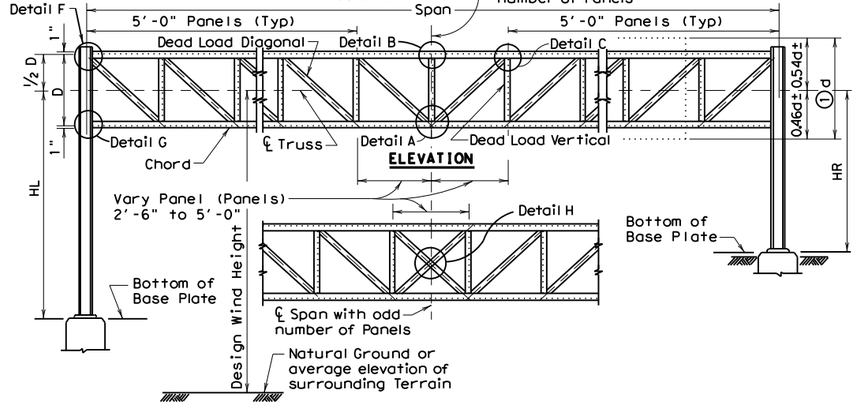
	STRUCTURE NO. AND STATION					
	DESIGN WIND HEIGHT, Hd (feet)					
TRUSS	LENGTH OF SPAN (feet)					
	W x D & SIZE HS BOLTS	x w/ " Dia HS Bolts		x w/ " Dia HS Bolts		x w/ " Dia HS Bolts	
	LENGTH OF TRUSS PANELS	5.0' w/ Center Panel(s) at		5.0' w/ Center Panel(s) at		5.0' w/ Center Panel(s) at	
	CHORD						
	DEAD LOAD DIAGONAL						
	WIND LOAD DIAGONAL						
	DEAD LOAD VERTICAL						
	WIND LOAD STRUT						
	TRUSS DL & DEFL	DL = lb/ft, Δ = "		DL = lb/ft, Δ = "		DL = lb/ft, Δ = "	
		LEFT TOWER	RIGHT TOWER	LEFT TOWER	RIGHT TOWER	LEFT TOWER	RIGHT TOWER
TOWERS	COLUMN SPACING						
	TOWER HEIGHT (feet)	H_L =	H_R =	H_L =	H_R =	H_L =	H_R =
	COLUMN SIZE	W x	W x	W x	W x	W x	W x
	ANCHOR BOLTS						
	BASE PLATE						
	TOWER DIAGONALS						
	TOWER STRUTS						
	TOWER UPLIFT (Kips)						
DRILLED SHAFTS							
MAXIMUM BRACING SPACING, "S"							
SOIL N (BLOWS PER FT.)							



① d = Sign Depth
Where signs of different depths are used, the bottom edges of all signs may be placed in line. Where this is done, all signs should be so positioned that the bottom edges are approximately 0.46 of the depth of the deepest sign below the ℄ of the truss.

② "Low-Alloy Steel" for non-bridge structures per Item 442, "Metal For Structures".

③ "Carbon Steel" for non-bridge structures per Item 442, "Metal For Structures".



GENERAL NOTES

1. Use tower details, truss details, truss to tower connection, and foundation details, shown on standard drawings OSBT, OSBC, COSSD, and COSSF.
2. Dimensions and connections, should be determined, using member size or combination of members shown on this sheet.
3. Number of high strength bolts required in truss connection or splice are indicated in brackets, e.g. [3], after the member size.
4. Design of truss includes 3 pounds per square foot for sign panel, 20 pounds per foot for lights, and 50 pounds per foot for walkway, all placed as specified for the design sign panel.

NOTES ON USAGE

1. This sheet shall only be included in the PS&E package when the COSS and/or OSB standards are not sufficient to define the COSS or OSB design and details.
2. These sheets should not be included in the PS&E package if no design data is included hereon.
3. If included in the contract plans this sheet must contain "(MOD)" after the designation and must be sealed by a Texas P.E.

Texas Department of Transportation

Traffic Safety Division Standard

OVERHEAD SIGN BRIDGE DETAILS

COSS & OSB-SZ-21

FILE: coss-osb-sz-21.dgn	DN:	CK:	DW:	CK:
©TxDOT November 2007	CONT	SECT	JOB	HIGHWAY
REVISIONS				
8-21	DIST	COUNTY		SHEET NO.