

# EXISTING INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
73P-42	*	MCLEAN	33	26
PER WORD SPEC NO. 7	ILLINOIS	FILE LIBRARY		
*57-256, 57-356				

## GENERAL NOTES

### SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals - dated January, 1985

CONSTRUCTION: Standard Specifications for Road and Bridge Construction, State of Illinois, (dated July 1, 1988), Supplemental Specifications for Road and Bridge Construction, Standard Specifications for Traffic Control Items (dated Feb. 1, 1984) and Special Provisions.

MINIMUM CLEARANCE: Vertical Roadway Clearance = 17'-3" (All Obstructions)

LOADING-80 MPH WIND VELOCITY PLUS 30% GUST FACTOR.

WIND LOADING: 35 psf normal to Sign Panel Area as shown below in Wind Loading Diagram plus 48 psf normal to exposed frame members for Structures #1 thru #7. For Structures #8 and #9 see Wind Loading Diagram 'B' for Structure #10 See Wind Load Diagram 'C'.

WALKWAY LOADING: Dead Load plus 500# concentrated Live Load

### MATERIALS:

REINFORCEMENT BARS shall conform to the requirements of AASHTO M31, M42 or M53, Grade 60.

CLASS X CONCRETE shall be used throughout.

STRUCTURAL STEEL All material for structural chords, verticals, horizontals or chord splices shall conform to either ASTM A500, Grade C, AASHTO M222 or AASHTO M223, Grade 50 and shall meet the longitudinal CVN requirements of 15 ft lbs. at 40° F.

Posts, columns and column braces shall conform to AASHTO M222 or M223, Grade 50, and shall meet the longitudinal CVN requirements of 15 ft lbs. at 40° F. (Including all base flanges and connection flanges.)

HIGH STRENGTH BOLTS shall conform to the requirements of AASHTO M164.

STRUCTURAL SHAPES and PLATES shall conform to the requirements of AASHTO M223, Grade 50, or M222, unless otherwise specified.

PAINTING: The zinc-silicate and vinyl paint system shall be used for shop and field painting of all structural steel. Exterior surfaces of all structural steel that are painted with the high-build vinyl paint shall receive one coat of vinyl enamel. Paint system, including field coat, for the walkway gratings may be done in the shop or just prior to erection. Chords and verticals will require painting on exterior surfaces only.

WELDING: All welding shall be in accordance with Article 507.04(s) of the Standard Specifications for Road and Bridge Construction, and as per ANSI/AASHTO/AWS D1.5-88.

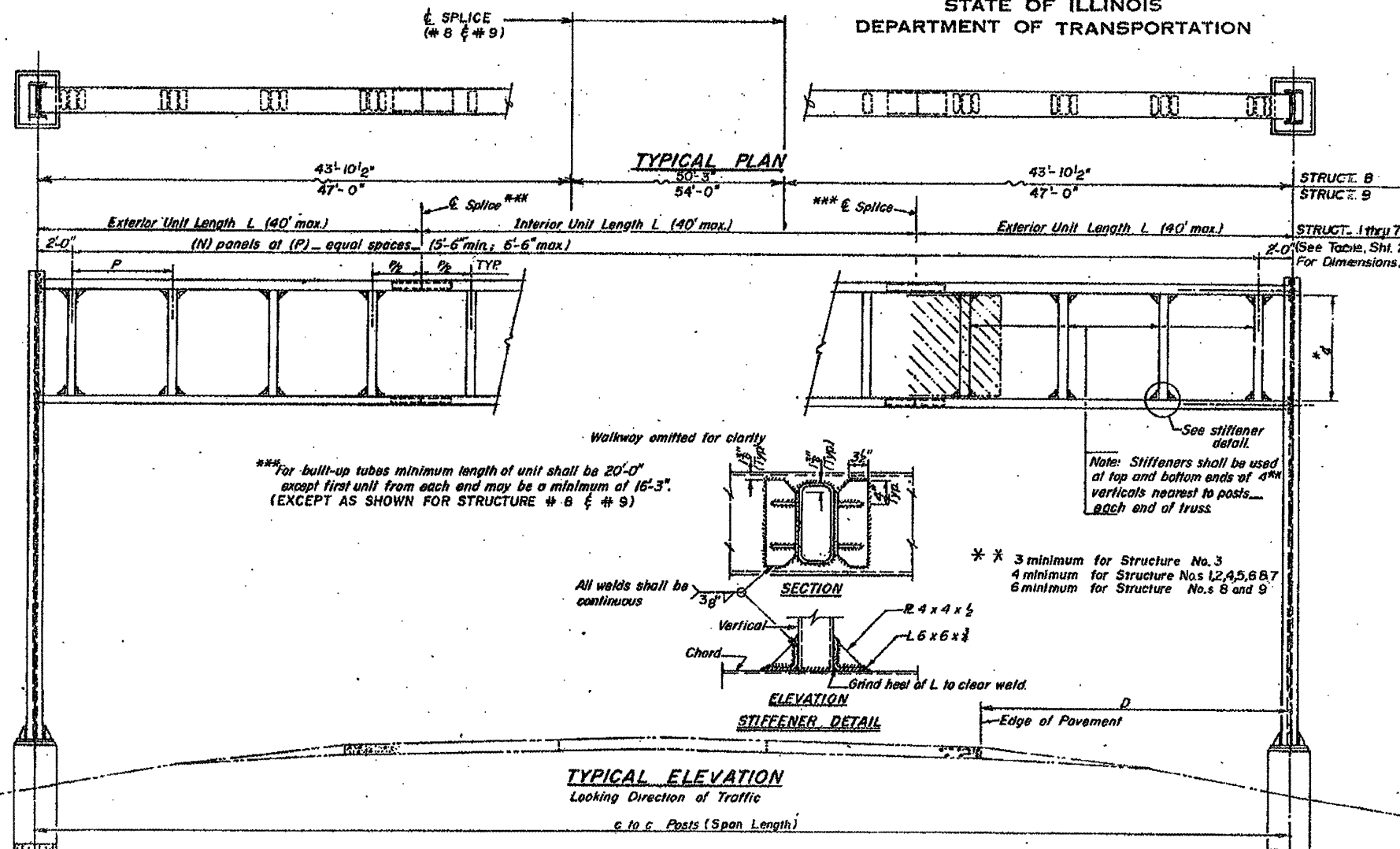
## TOTAL BILL of MATERIAL

OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL)	Lin Ft	997.42
OVERHEAD SIGN STRUCTURE WALKWAY - TYPE S	Lin Ft	614.0
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds	163.4
CLASS X CONCRETE	Cu. Yds	63.4
STRUCTURE EXCAVATION	Cu. Yds	125
REINFORCEMENT BARS	Lbs.	15,570
CONCRETE PILES	L.F.	420
TEST PILES - CONCRETE	EA	2
OVERHEAD SIGN STRUCTURE - TRUSS (SPECIAL)	Lin Ft	163

## OVERHEAD SIGN STRUCTURES GENERAL PLAN & ELEVATION

F.A.P. ROUTE 412 / F.A.I. ROUTE 55  
MCLEAN COUNTY

\*VARIOUS COUNTIES  
\*\*D-5 OVD SIN STR REPL 2012-06

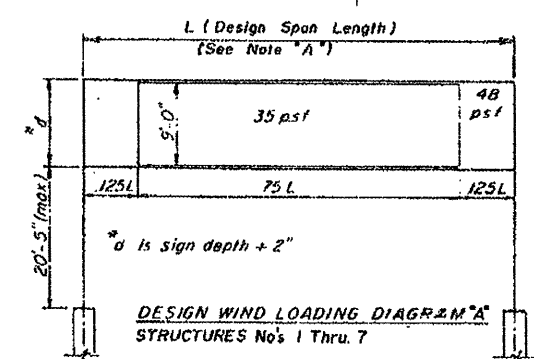
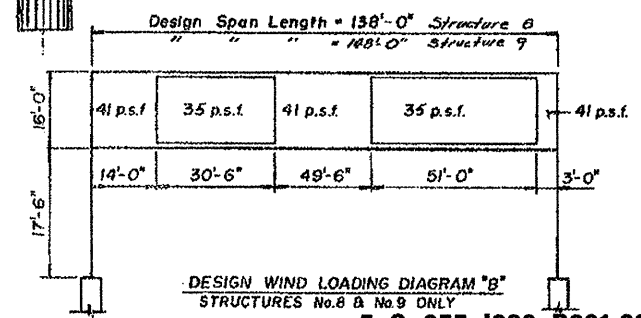


\*\*\* For built-up tubes minimum length of unit shall be 20'-0" except first unit from each end may be a minimum of 16'-3" (EXCEPT AS SHOWN FOR STRUCTURE # 8 & # 9)

Note: Stiffeners shall be used at top and bottom ends of verticals nearest to posts - each end of truss

\* \* 3 minimum for Structure No. 3  
4 minimum for Structure Nos. 1, 2, 4, 5, 6, 7  
6 minimum for Structure Nos. 8 and 9

Structure No.	Station	c to c Posts	Elev. A	Dim. D
1	261+81.25 (FAI-55)	110'-1"	852.14	42'-1"
2	262+100.00 (FAI-55)	110'-1"	852.14	42'-1"
3	282+100.00 (FAI-55)	85'-3"	844.57	17'-3"
4	312+00.00 (FAI-55)	98'-0"	804.82	42'-0"
5	338+40.00 (FAI-55)	98'-0"	796.50	42'-0"
6	364+80.00 (FAI-55)	98'-0"	791.80	42'-0"
7	237+20.00 (FAI-55)	112'-0"	841.64	18'-3"
8	152+89.00 (FAP 412)	138'-0"	866.25	18'-0"
9	194+20.00 (FAP 412)	148'-0"	826.02	13'-0"



NOTE 'A': DESIGN SPAN LENGTHS HAVE BEEN MODIFIED AS REQUIRED TO PROVIDE ACTUAL WIND LOADINGS AS PER DIAGRAM ABOVE

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

5 S 057 1039 R001.00  
5 S 057 1039 R001.90