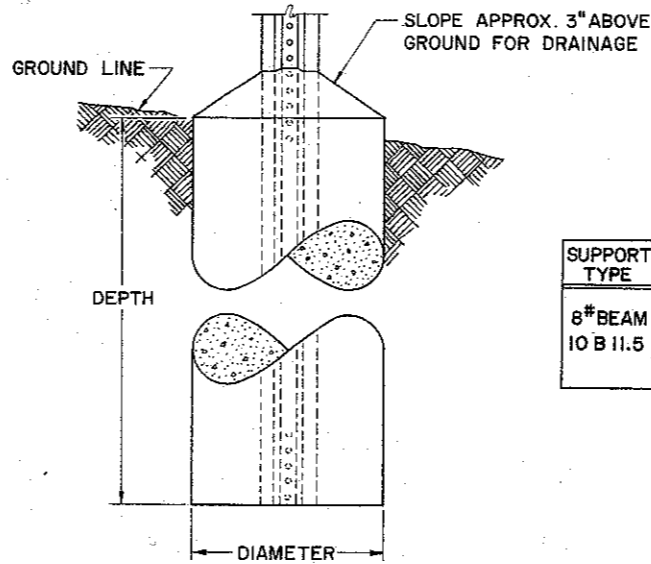
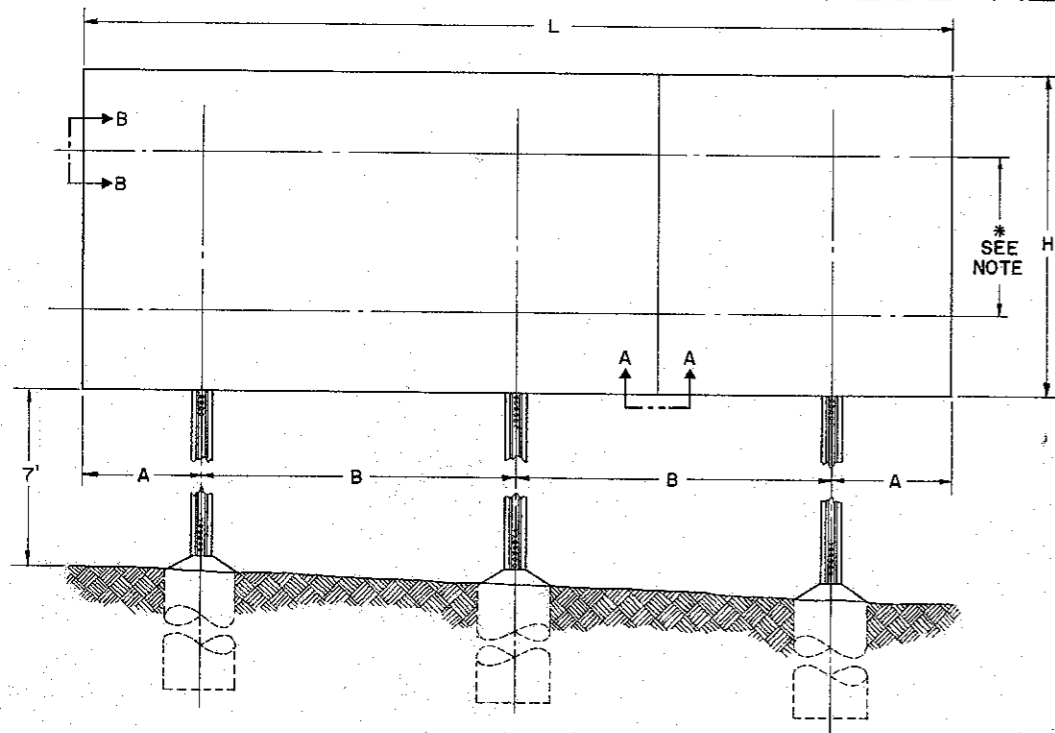


# FEDERAL-AID CONSTRUCTION IDENTIFICATION SIGNS



SUPPORT TYPE	FOUNDATION	
	DEPTH	DIAM.
8# BEAM	6'-6"	12"
10 B 11.5	5'-6"	30"

**FOUNDATION DETAIL**

## NOTES

**GENERAL:** 6 B 8.5# BEAM MAY BE SUBSTITUTED FOR 8# BEAMS WHERE SPECIFIED IN THE TABLE. CONCRETE FOUNDATIONS, SIGN SUPPORTS, AND DRIVE POST STRINGERS SHALL BE ACCORDING TO SUPPLEMENTAL SPECIFICATION NO. I-129.

**FABRICATION:** HORIZONTAL SPACING OF BOLTS SHALL BE 24" MAXIMUM AND VERTICAL SPACING SHALL BE 30" MAXIMUM. THE MAXIMUM EDGE DISTANCE SHALL BE 9".

ALL BOLT HOLES SHALL BE DRILLED FROM THE FACE THROUGH THE BACK OF THE SIGN USING A BACKING PANEL.

**ERECTION:** \* MAXIMUM STRINGER SPACING SHALL BE 30" c-c. TWO STRINGERS SHALL BE USED UNTIL "H" EXCEEDS 4'-0", THEN FOUR STRINGERS WILL BE USED.

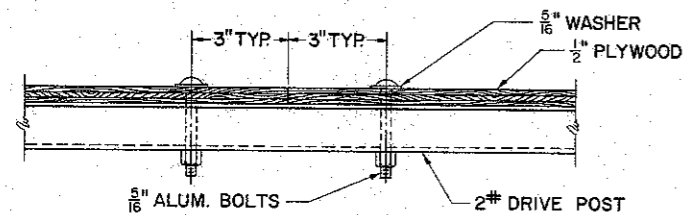
STRINGERS SHALL CONSIST OF 2# DRIVE POST AND SPLICES SHALL BE LOCATED SO THEY DO NOT APPEAR AT ANY VERTICAL JOINT.

SUPPORTS SHALL BE SELECTED FROM THOSE LISTED, AND SPACED ACCORDING TO THE TABLE FOR EACH SIGN LENGTH.

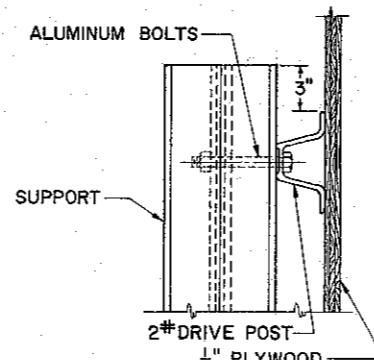
8# BEAMS SHALL BE 4# DRIVE POSTS BOLTED BACK TO BACK USING 5/16" BOLTS, 4" c-c ON THE EMBEDDED PORTION AND 16" c-c ABOVE THE GROUND LINE.

SIGNS SHALL BE ATTACHED TO THE STRINGERS BY BOLTING THROUGH THE SIGN, AND THE STRINGERS SHALL BE BOLTED TO THE VERTICAL SIGN SUPPORTS.

ALL STEEL SIGN SUPPORTS AND DRIVE POST STRINGERS SHALL BE HOT DIPPED GALVANIZED ACCORDING TO SPECIFICATION SEC. M-74(d).



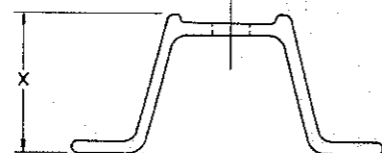
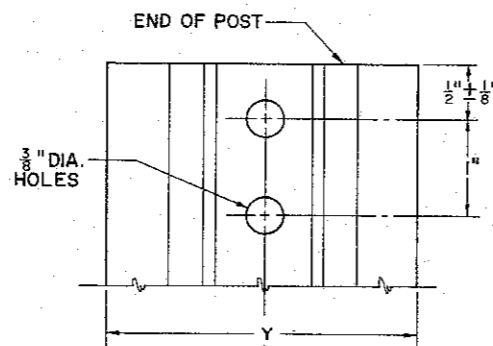
**VIEW A-A**



**VIEW B-B**

**SUPPORTS**

DISTANCE GROUND TO CENTER OF SIGN	2 SUPPORTS				3 SUPPORTS			
	AREA-SQ. FT.	AREA-SQ. FT.	AREA-SQ. FT.	AREA-SQ. FT.	AREA-SQ. FT.	AREA-SQ. FT.	AREA-SQ. FT.	
11'-0"								
11'-6"	8# BEAM							
12'-0"								
12'-6"								8# BEAM
13'-0"								
13'-6"								
14'-0"								



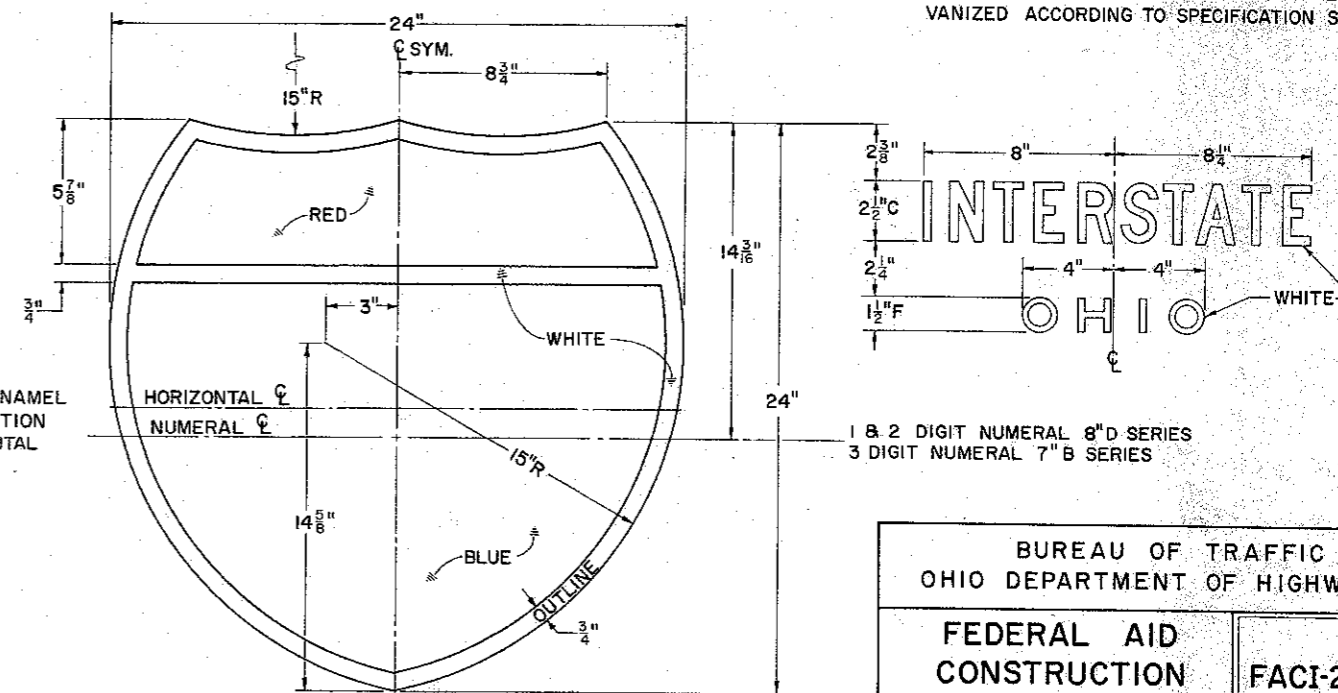
**DRIVE POST DETAIL**

WEIGHT PER FOOT	X ± 3/32"	Y ± 1/16"
2.00 LBS.	1 1/2"	3 3/8"
4.00 LBS.	1 13/16"	3 1/2"

**SUPPORT SPACING**

L	2 SUPPORTS		3 SUPPORTS	
	A	B	A	B
6'-6"	1'-5"	3'-8"	0'-11"	2'-4"
8'-6"	1'-11"	4'-8"	1'-2"	3'-1"
12'-0"	2'-7"	6'-10"	1'-8"	4'-4"

**NOTE:** SIGN COLORS SHALL BE ENAMEL IN ACCORDANCE WITH SECTION I-128.02(5) OF SUPPLEMENTAL SPECIFICATION I-128.



**M-5-24**

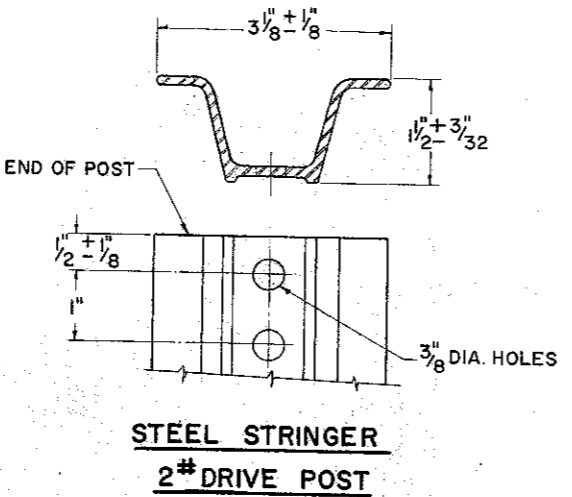
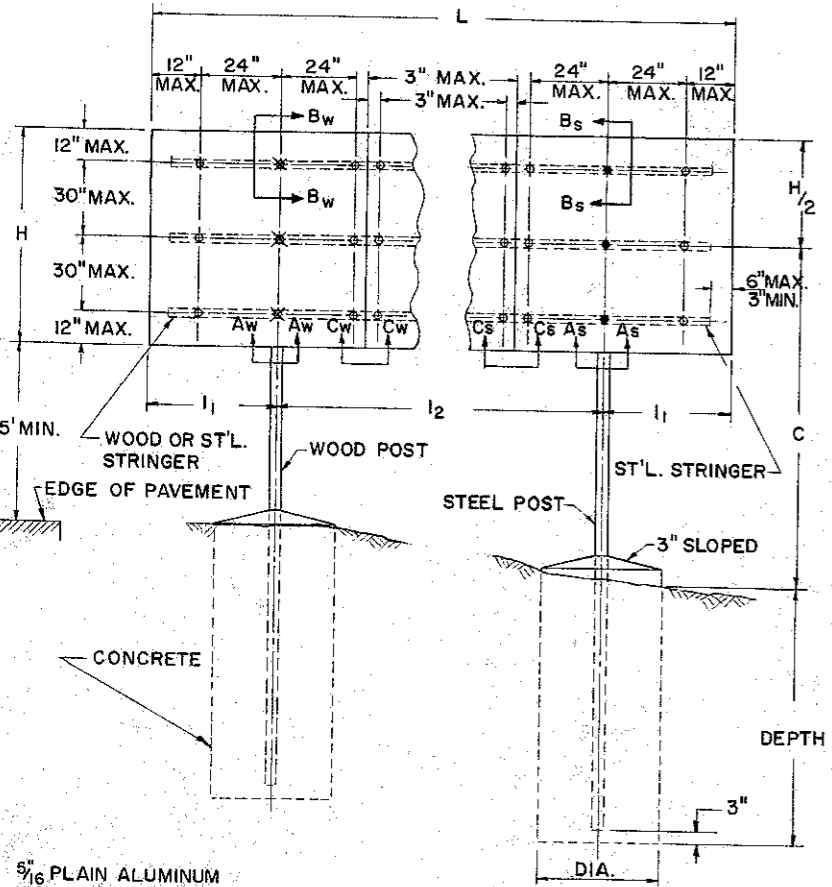
BUREAU OF TRAFFIC  
OHIO DEPARTMENT OF HIGHWAYS

**FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS**

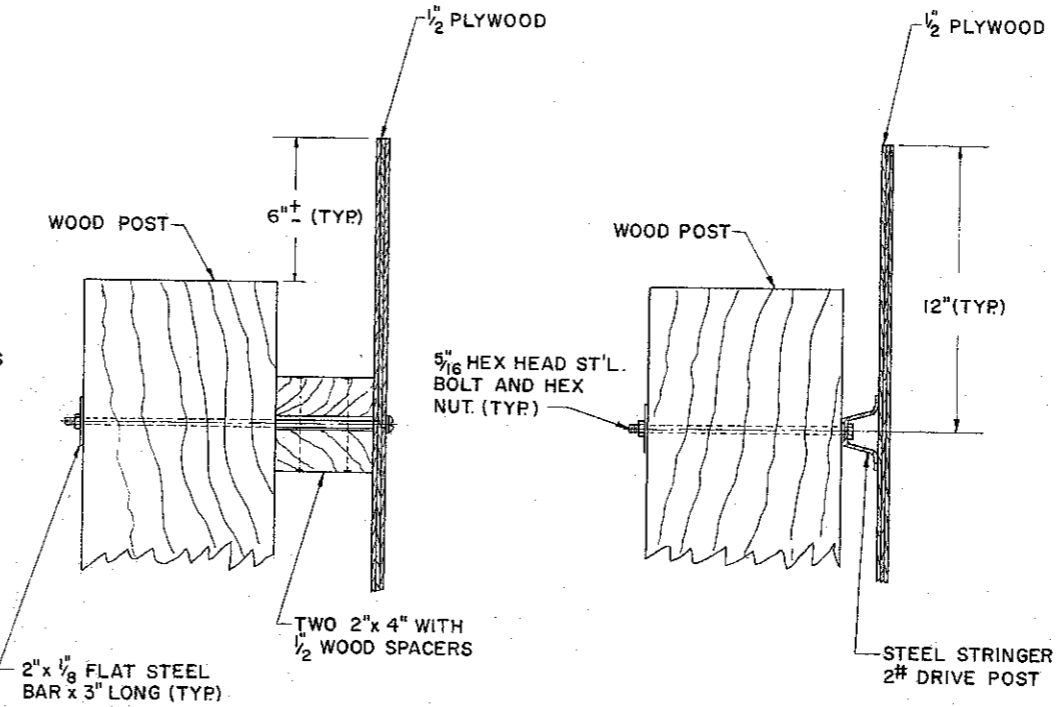
APPROVED *R.C. Connor*  
ENGINEER OF TRAFFIC

DATE 8-25-61  
12-27-61

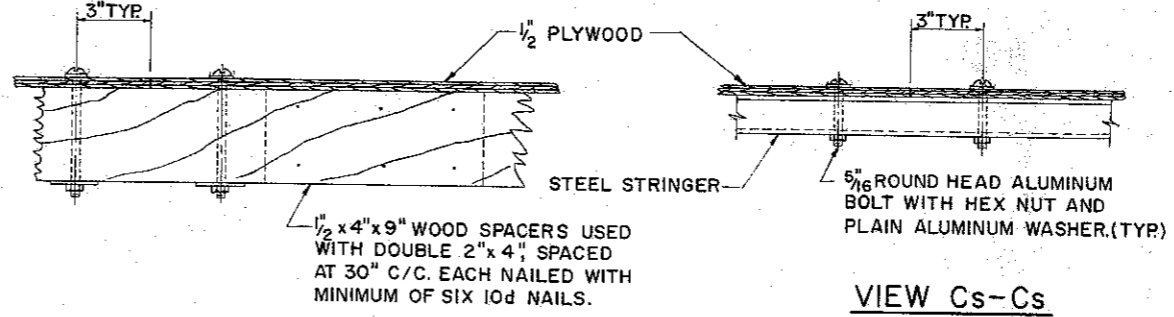
# FEDERAL-AID CONSTRUCTION IDENTIFICATION SIGNS



**LEGEND**  
 \* BOLTS THROUGH FACE, STRINGER & POST  
 o BOLTS THROUGH FACE & STRINGER  
 • BOLTS THROUGH STRINGER & POST

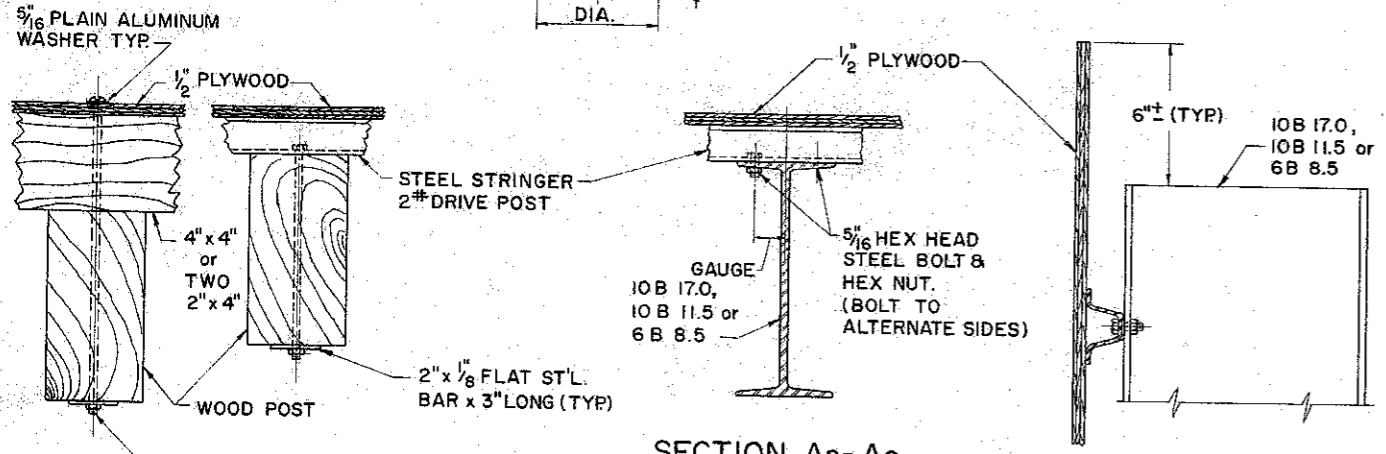


**SECTION Bw-Bw**



**VIEW Cw-Cw**

**VIEW Cs-Cs OR VIEW Cw-Cw**



**SECTION As-As**

**SUPPORT SPACING**

**SECTION Bs-Bs**

**SECTION Aw-Aw**

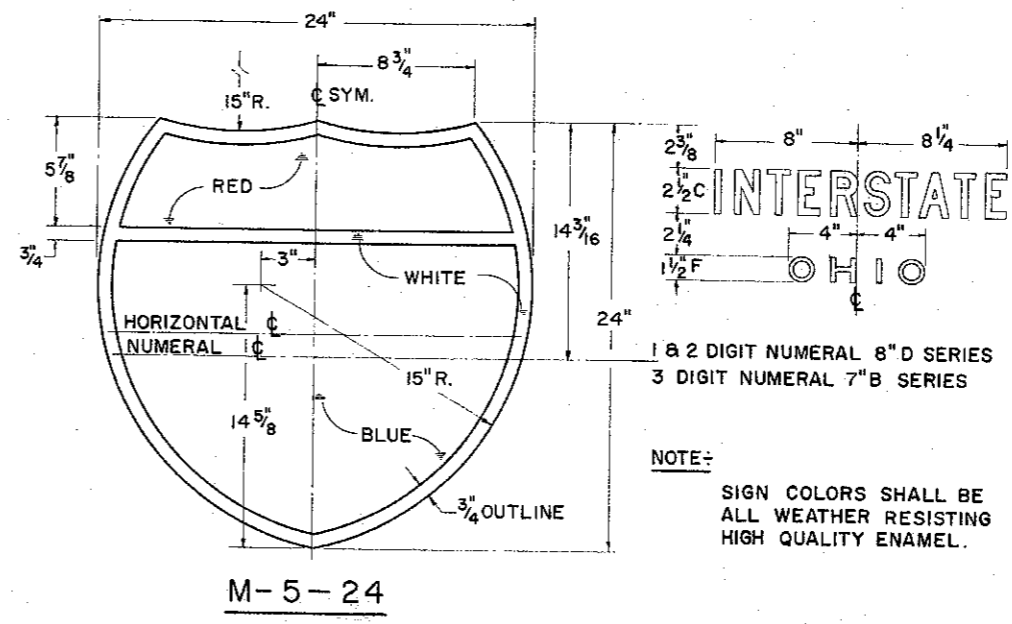
L	2 SUPPORTS		3 SUPPORTS	
	l <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>
6'-6"	1'-5"	3'-8"	0'-11"	2'-4"
8'-6"	1'-10 1/2"	4'-9"	1'-2"	3'-8"
12'-0"	2'-7 1/2"	6'-9"	1'-8"	4'-4"

**SUPPORT SIZE**

SIGN AREA FT <sup>2</sup>	STEEL SUPPORTS				WOOD SUPPORTS				
	2 POST		3 POST		2 POST		3 POST		
FEET	20-40	40-60	60-90	40-60	60-90	20-40	40-60	60-90	
LESS 10	6B 8.5		6B 8.5		4"x 8"	4"x 10"	4"x 12"	4"x 8"	4"x 10"
10 - 12	10B 11.5		10B 11.5		4"x 10"	4"x 12"	6"x 12"	4"x 10"	4"x 12"
12 - 14	10B 17		10B 11.5		4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"
14 - 16	10B 17		10B 11.5		4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"
16 - 18	10B 17		10B 11.5		4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"
18 - 20	10B 17		10B 11.5		4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"

**SUPPORT FOUNDATIONS**

SUPPORT TYPE	SIZE	FOUNDATION	
		DEPTH	DIA.
STEEL	6B 8.5	4'-0"	18"
STEEL	10B 11.5	5'-6"	18"
STEEL	10B 17.0	6'-3"	18"
WOOD	4"x 8" 4"x 10"	4'-0"	18"
WOOD	6"x 12"	4'-6"	24"
WOOD	6"x 14"	5'-6"	24"



**NOTE:**  
 SIGN COLORS SHALL BE ALL WEATHER RESISTING HIGH QUALITY ENAMEL.

**NOTES**

**GENERAL:** SIGN SUPPORTS MAY BE STEEL, WOOD OR A COMBINATION OF STEEL AND WOOD.

**MATERIALS:** THE MATERIALS LISTED BELOW SHALL BE IN ACCORDANCE WITH THE OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS.

**DRIVE POST:** OHIO SPEC. SEC. M-7.1 (HARD GRADE), M-7.2 OR M-7.18 (HARD GRADE). WEIGHT SHALL BE 2 POUNDS PER FOOT PLUS OR MINUS 3.5% BEFORE HOLES ARE PUNCHED.

**STRUCTURAL SHAPES:** OHIO SPEC. SEC. M-7.4.

**WOOD POSTS AND STRINGERS:** OHIO SPEC. SEC. M-8.2, DOUGLAS FIR DENSE CONSTRUCTION, SOUTHERN YELLOW PINE DENSE STRUCTURAL OR BETTER (NATIONAL LUMBER MFG. ASSOC. 1962)

THE POSTS AND STRINGERS SHALL BE PAINTED WITH ALL-WEATHER RESISTING HIGH QUALITY DARK GREEN ENAMEL. OHIO SPEC. SEC. M-9.23

**FABRICATION:** ALL BOLT HOLES SHALL BE DRILLED FROM THE FACE THROUGH THE BACK OF THE SIGN USING A BACKING PANEL.

ALL JOINTS IN THE PLYWOOD SIGN PANELS SHALL BE VERTICAL AND SHALL BE PLACED WITHIN THE MIDDLE HALF OF THE SIGN PANEL.

**ERECTION:** THE STRINGERS SHALL BE EITHER 4"x 4" OR DOUBLE 2"x 4" WOOD WALES OR 2# DRIVE POSTS.

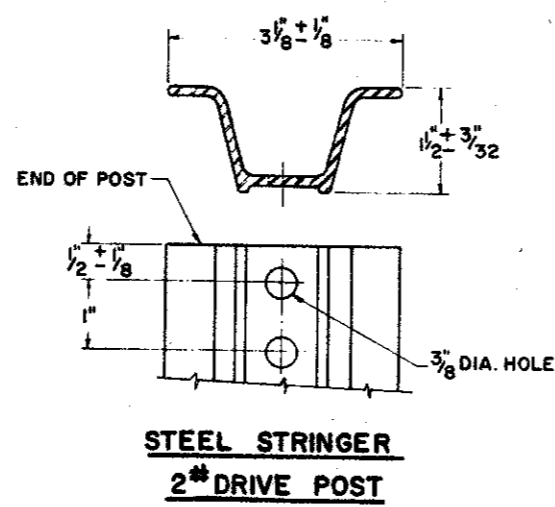
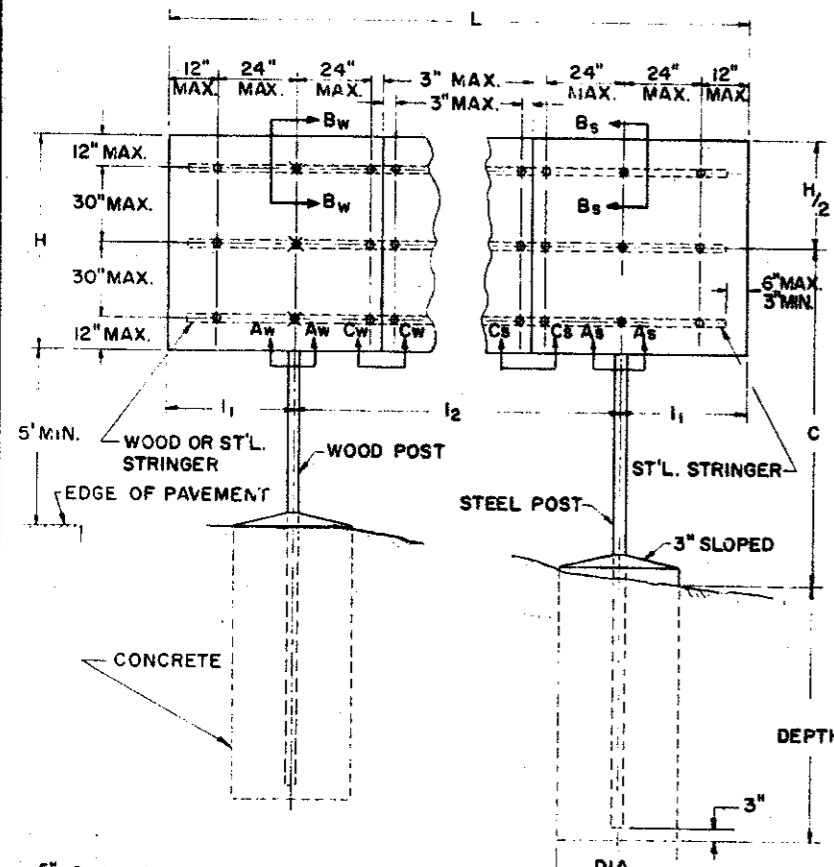
THE SIGN SUPPORT POST SIZE AND SPACING SHALL BE SELECTED FROM TABLES BASED ON SIGN AREA AND ACTUAL MOUNTING HEIGHT.

ON PROJECTS OF 6 MONTHS DURATION OR LESS THE CONTRACTOR, WITH THE ENGINEERS APPROVAL MAY OMIT CONCRETE FOUNDATION PROVIDED STRUCTURAL SUPPORT IMBEDMENT IS INCREASED BY 100 PER CENT.

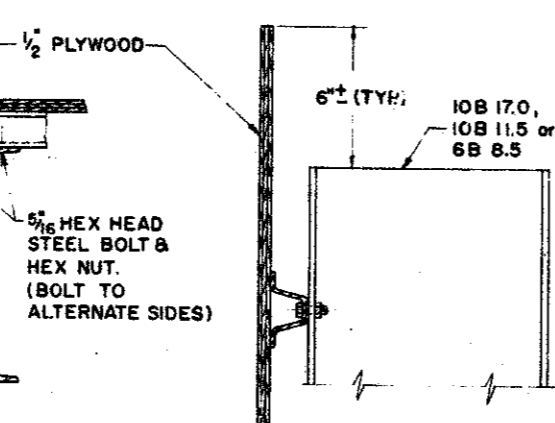
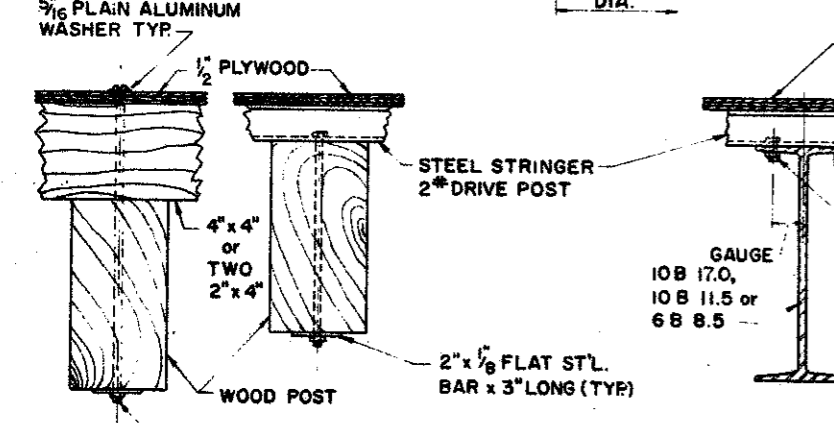
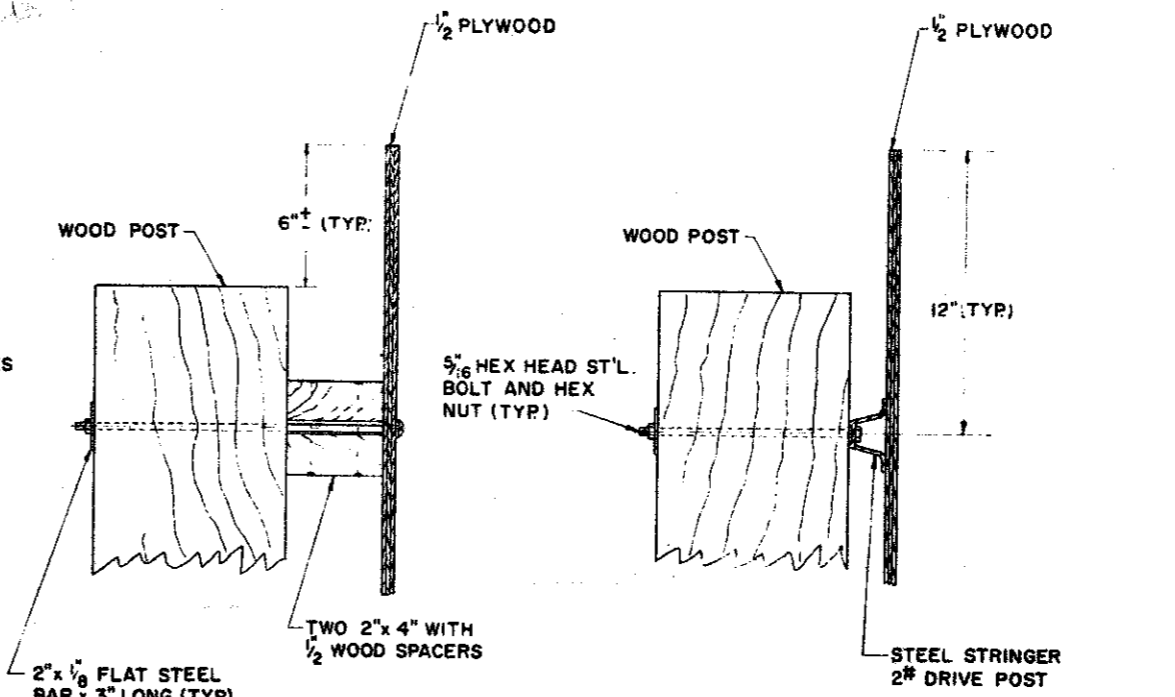
BUREAU OF TRAFFIC OHIO DEPARTMENT OF HIGHWAYS	
<b>FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS</b>	
STANDARD CONSTRUCTION DRAWING	<b>FACI-2</b>
APPROVED <i>[Signature]</i>	ENGINEER OF TRAFFIC

DATE 3-8-63

# FEDERAL-AID CONSTRUCTION IDENTIFICATION SIGNS



**LEGEND**  
 \* BOLTS THROUGH FACE, STRINGER & POST  
 o BOLTS THROUGH FACE & STRINGER  
 • BOLTS THROUGH STRINGER & POST



**SUPPORT SPACING**

L	2 SUPPORTS		3 SUPPORTS	
	l <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>
8'	1'-9"	4'-6"	1'-1"	2'-11"
10'	2'-3"	5'-6"	1'-5"	3'-7"
11'	2'-5"	6'-2"	1'-6"	4'-0"
14'	3'-1"	7'-10"	2'-0"	5'-0"

**SUPPORT SIZE**

L	STEEL SUPPORTS		WOOD SUPPORTS	
	2 POST	3 POST	2 POST	3 POST
LESS 10	6B 8.5		4"x 8"	4"x 10"
10 - 12			4"x 8"	4"x 10"
12 - 14	10B 11.5		4"x 10"	4"x 12"
14 - 16			4"x 10"	4"x 12"
16 - 18			4"x 12"	6"x 12"
18 - 20	10B 17	10B 11.5	4"x 12"	6"x 14"

**SUPPORT FOUNDATIONS**

SUPPORT TYPE	SIZE	DEPTH	DIA.
STEEL	6B 8.5	4'-0"	18"
STEEL	10B 11.5	5'-6"	18"
STEEL	10B 17.0	6'-3"	18"
WOOD	4"x 8" 4"x 10"	4'-0"	18"
WOOD	4"x 12" 6"x 12"	4'-6"	24"
WOOD	6"x 14"	5'-6"	24"

## NOTES

**GENERAL:** SIGN SUPPORTS MAY BE STEEL, WOOD OR A COMBINATION OF STEEL AND WOOD.

**MATERIALS:** THE MATERIALS LISTED BELOW SHALL BE IN ACCORDANCE WITH THE OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS.

**DRIVE POST:** OHIO SPEC. SEC. M-7.1 (HARD GRADE M-7.2 OR M-7.18 (HARD GRADE)). WEIGHT SHALL BE 2 POUNDS PER FOOT PLUS OR MINUS 3.5% BEFORE HOLES ARE PUNCHED.

**STRUCTURAL SHAPES:** OHIO SPEC. SEC. M-7.4.

**WOOD POSTS AND STRINGERS:** OHIO SPEC. SEC. M-8.2, DOUGLAS FIR DENSE CONSTRUCTION, SOUTHERN YELLOW PINE DENSE STRUCTURAL OR BETTER (NATIONAL LUMBER MFG. ASSOC. 1962).

THE POSTS AND STRINGERS SHALL BE PAINTED WITH ALL-WEATHER RESISTING HIGH QUALITY DA GREEN ENAMEL. OHIO SPEC. SEC. M-9.23

**FABRICATION:** ALL BOLT HOLES SHALL BE DRILLED FROM THE FACE THROUGH THE BACK OF THE SIGN USING A BACKING PANEL.

ALL JOINTS IN THE PLYWOOD SIGN PANELS SHALL BE VERTICAL AND SHALL BE PLACED WITHIN THE MIDDLE HALF OF THE SIGN PANEL.

**ERECTION:** THE STRINGERS SHALL BE EITHER 4"x4" OR DOUBLE 2"x4" WOOD WALES OR 2" DRIVE POSTS.

THE SIGN SUPPORT POST SIZE AND SPACING SHALL BE SELECTED FROM TABLES BASED ON SIGN AREA AND ACTUAL MOUNTING HEIGHT.

ON PROJECTS OF 6 MONTHS DURATION OR LONGER THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY OMIT CONCRETE FOUNDATION PROVIDED STRUCTURAL SUPPORT IMBEDMENT IS INCREASED BY 100 PER CENT.

REVISED JUNE 1965

SIGN AREA C FT <sup>2</sup>	STEEL SUPPORTS				WOOD SUPPORTS					
	2 POST	3 POST	2 POST	3 POST	2 POST	3 POST	2 POST	3 POST		
LESS 10	20-40	40-60	60-90	40-60	60-90	20-40	40-60	60-90	40-60	60-90
10 - 12	6B 8.5			6B 8.5		4"x 8"	4"x 10"	4"x 12"	4"x 8"	4"x 10"
12 - 14		10B 11.5				4"x 10"	4"x 12"	6"x 12"	4"x 10"	4"x 12"
14 - 16						4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"
16 - 18			10B 17	10B 11.5		4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"
18 - 20						4"x 12"	6"x 12"	6"x 14"	4"x 12"	6"x 12"

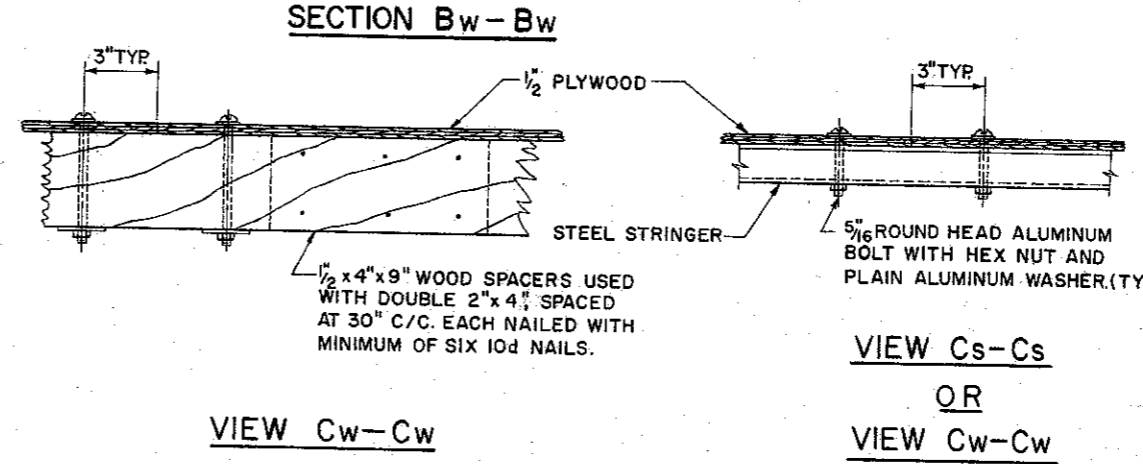
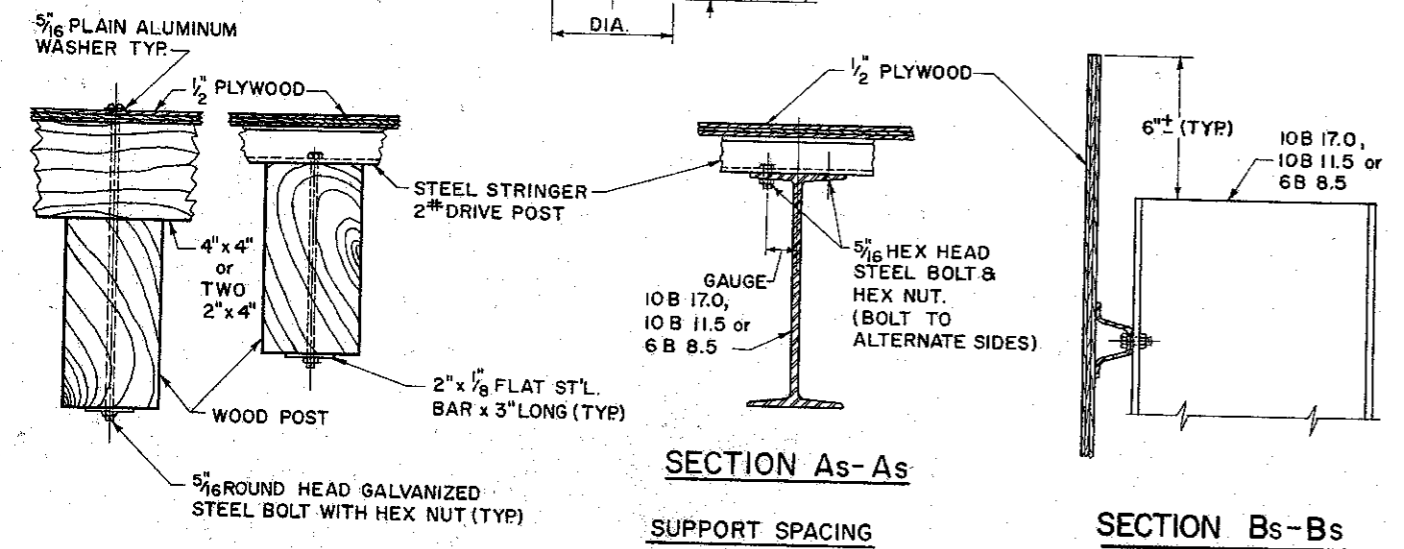
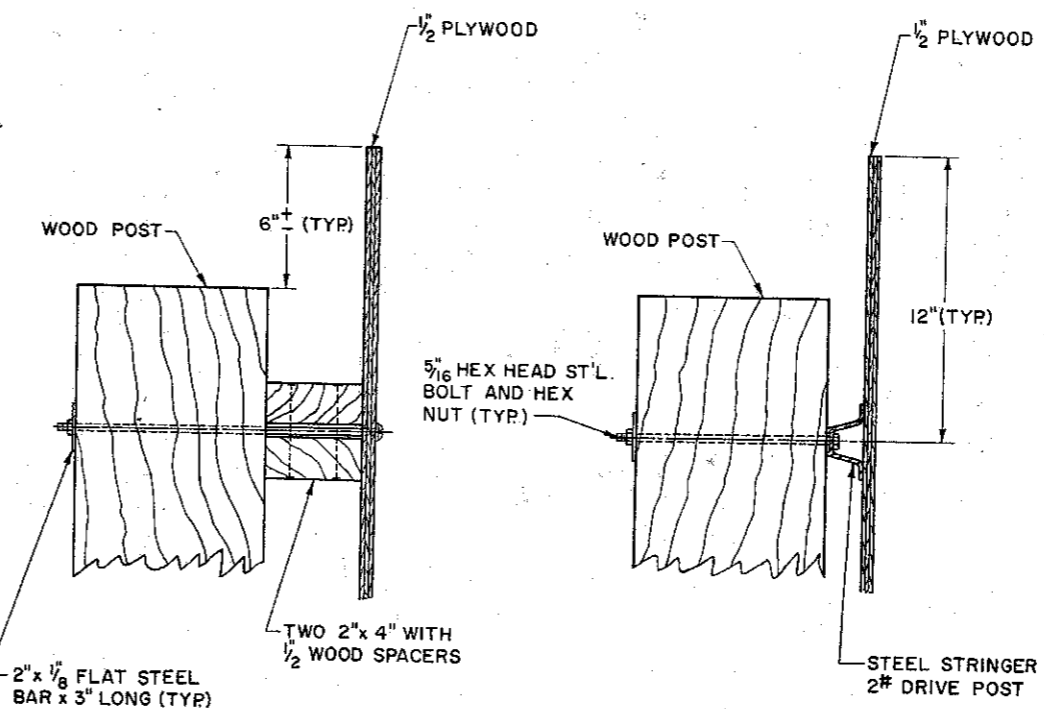
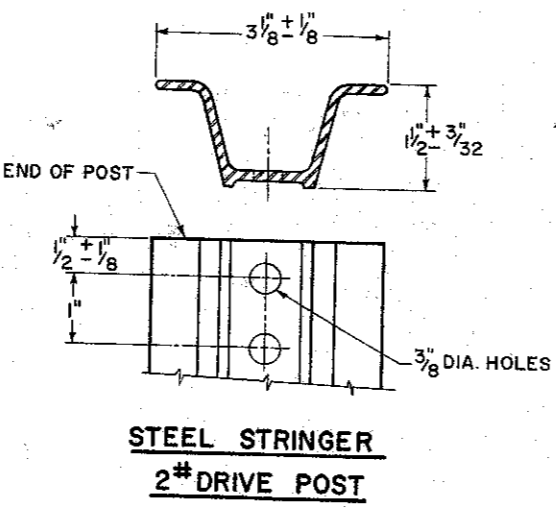
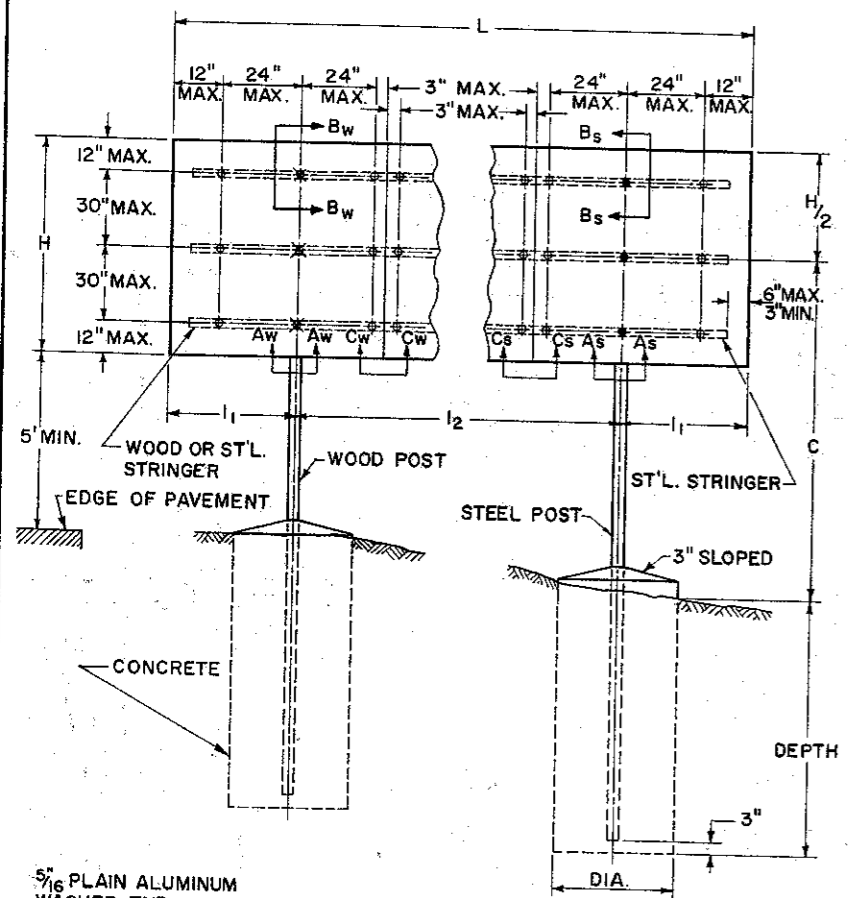
BUREAU OF TRAFFIC  
OHIO DEPARTMENT OF HIGHWAYS

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS

STANDARD CONSTRUCTION DRAWING **FACI-2**

APPROVED *John C. Danahy*  
ENGINEER OF TRAFFIC

# FEDERAL-AID CONSTRUCTION IDENTIFICATION SIGNS



## NOTES

**GENERAL:** SIGN SUPPORTS MAY BE STEEL, WOOD OR A COMBINATION OF STEEL AND WOOD.

**MATERIALS:** THE MATERIALS LISTED BELOW SHALL BE IN ACCORDANCE WITH THE OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS.  
DRIVE POST: 712.20

STRUCTURAL SHAPES: 711.01  
WOOD POSTS AND STRINGERS: DOUGLAS FIR DENSE CONSTRUCTION, SOUTHERN YELLOW PINE DENSE STRUCTURAL OR BETTER.

THE POSTS AND STRINGERS SHALL BE PAINTED WITH ALL-WEATHER RESISTING HIGH QUALITY DARK GREEN ENAMEL. 708.10

**FABRICATION:** ALL BOLT HOLES SHALL BE DRILLED FROM THE FACE THROUGH THE BACK OF THE SIGN USING A BACKING PANEL.  
ALL JOINTS IN THE PLYWOOD SIGN PANELS SHALL BE VERTICAL AND SHALL BE PLACED WITHIN THE MIDDLE HALF OF THE SIGN PANEL.

**ERECTION:** THE STRINGERS SHALL BE EITHER 4\"/>

**SUPPORT SPACING**

L	2 SUPPORTS		3 SUPPORTS	
	I <sub>1</sub>	I <sub>2</sub>	I <sub>1</sub>	I <sub>2</sub>
8'	1'-9"	4'-6"	1'-1"	2'-11"
10'	2'-3"	5'-6"	1'-5"	3'-7"
11'	2'-5"	6'-2"	1'-6"	4'-0"
14'	3'-1"	7'-10"	2'-0"	5'-0"

**SUPPORT SIZE**

SIGN AREA C FT. <sup>2</sup>	STEEL SUPPORTS				WOOD SUPPORTS			
	2 POST		3 POST		2 POST		3 POST	
LESS 10	20-40	40-60	60-90	40-60	60-90	20-40	40-60	60-90
10 - 12	6B 8.5			6B 8.5		4\"/>		

**SUPPORT FOUNDATIONS**

SUPPORT TYPE	SIZE	DEPTH	DIA.
STEEL	6B 8.5	4'-0"	18"
STEEL	10B 11.5	5'-6"	18"
STEEL	10B 17.0	6'-3"	18"
WOOD	4\"/>		

BUREAU OF TRAFFIC  
OHIO DEPARTMENT OF HIGHWAYS

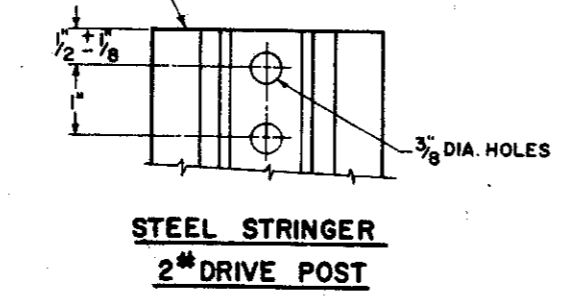
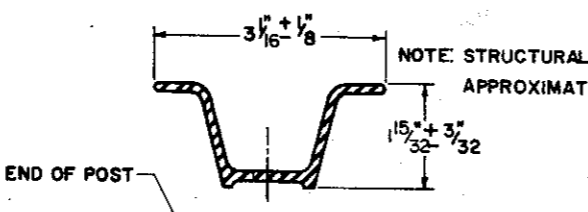
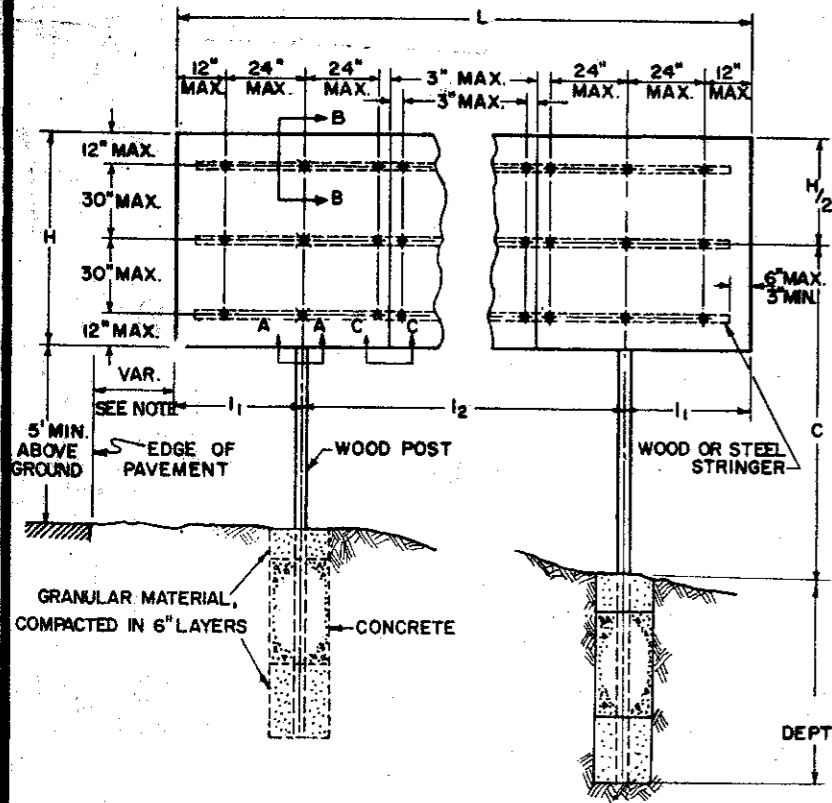
FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS

DATE: 3-8-63, 2-25-64, 6-1-65

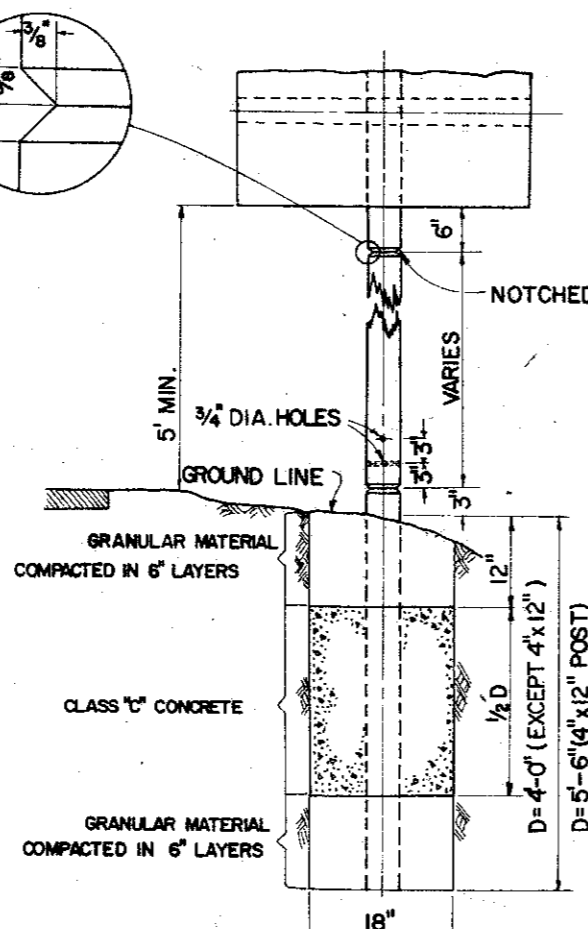
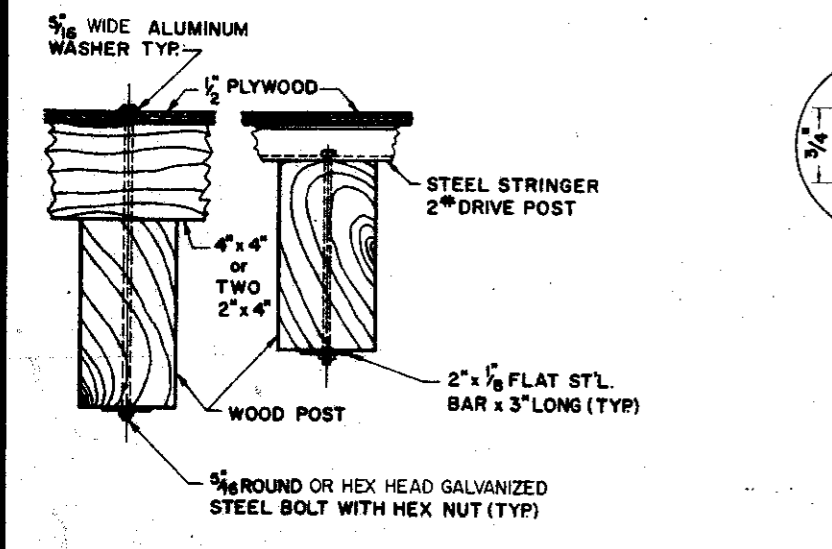
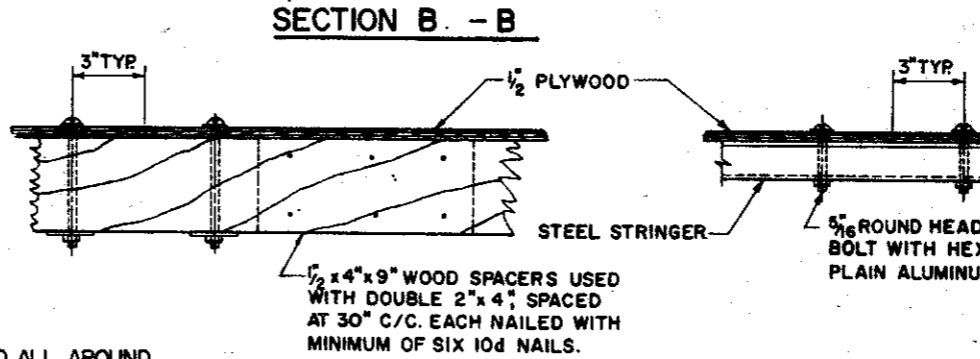
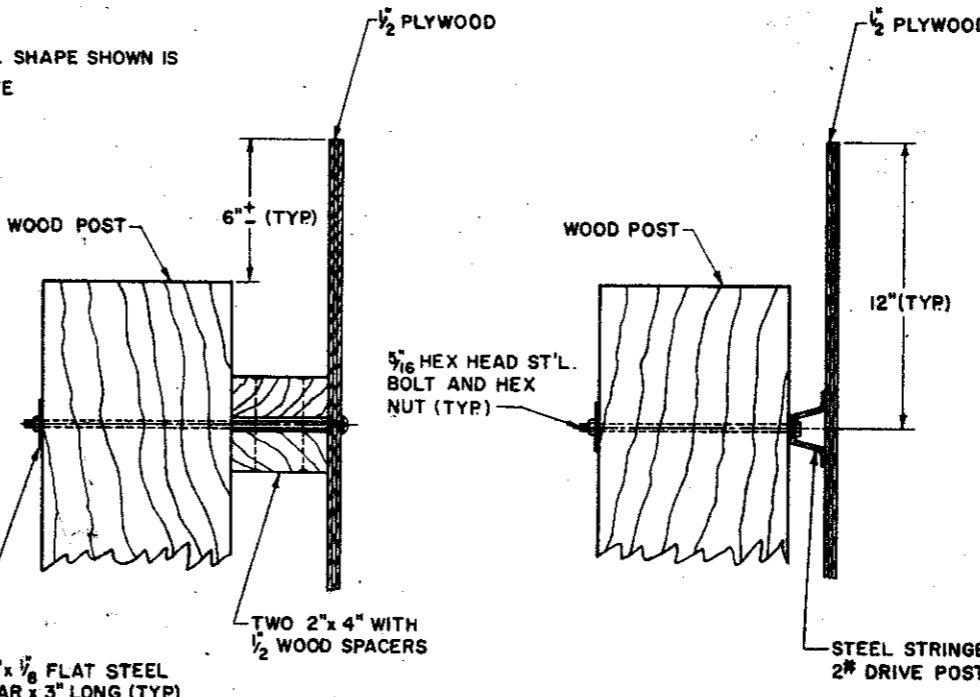
STANDARD CONSTRUCTION DRAWING FOCI-2

APPROVED: *Jud. C. Dyer*  
ENGINEER OF TRAFFIC

# FEDERAL-AID CONSTRUCTION IDENTIFICATION SIGNS



- LEGEND**
- BOLTS THROUGH FACE, STRINGER & POST
  - BOLTS THROUGH FACE & STRINGER
  - BOLTS THROUGH STRINGER & POST



**SECTION A - A**

**SECTION B - B**

**VIEW C - C**

L	2 SUPPORTS		3 SUPPORTS	
	I <sub>1</sub>	I <sub>2</sub>	I <sub>1</sub>	I <sub>2</sub>
8'	1'-9"	4'-6"	1'-1"	2'-11"
10'	2'-3"	5'-6"	1'-5"	3'-7"
11'	2'-5"	6'-2"	1'-6"	4'-0"
14'	3'-1"	7'-10"	2'-0"	5'-0"

SIGN AREA C FEET	SUPPORT SIZE				
	2 POST		3 POST		
LESS THAN 12'-0"	4" x 6"	4" x 8"	4" x 10"	4" x 6"	4" x 8"
12'-0" to 18'-0"	4" x 8"	4" x 10"	4" x 12"	4" x 8"	4" x 10"

**NOTES**

**GENERAL:** SIGN SUPPORTS MAY BE WOOD OR A COMBINATION OF STEEL AND WOOD.

**MATERIALS:** THE MATERIALS LISTED BELOW SHALL BE IN ACCORDANCE WITH THE OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS.

DRIVE POST : 712.20 EXCEPT THAT MAXIMUM WEIGHT TOLERANCE SHALL BE INCREASED TO 10 PERCENT.

CONCRETE : 499

WOOD POSTS AND STRINGERS: DOUGLAS FIR DENSE CONSTRUCTION, SOUTHERN YELLOW PINE DENSE STRUCTURAL OR EQUAL.

THE POSTS AND STRINGERS SHALL BE PAINTED WITH ALL-WEATHER RESISTING HIGH QUALITY DARK GREEN ENAMEL.

**FABRICATION:** ALL BOLT HOLES SHALL BE DRILLED FROM THE FACE THROUGH THE BACK OF THE SIGN USING A BACKING PANEL.

ALL JOINTS IN THE PLYWOOD SIGN PANELS SHALL BE VERTICAL AND SHALL BE PLACED WITHIN THE MIDDLE HALF OF THE SIGN PANEL.

**ERECTION:** THE STRINGERS SHALL BE EITHER 4"x4" OR DOUBLE 2"x4" WOOD WALES OR 2" DRIVE POSTS.

THE SIGN SUPPORT POST SIZE AND SPACING SHALL BE SELECTED FROM TABLES BASED ON SIGN AREA AND ACTUAL MOUNTING HEIGHT (DIM "C") ON PROJECTS OF 12 MONTHS DURATION OR LESS THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY OMIT CONCRETE FOUNDATION PROVIDED STRUCTURAL SUPPORT EMBEDMENT IS INCREASED BY 30 PER CENT.

**PLACEMENT:** NOTCHES AND DRILLED HOLES MAY BE OMITTED WHEN SIGNS ARE PLACED BEHIND ADEQUATE EXISTING GUARD RAIL PROTECTION.

LATERAL PLACEMENT OF SIGNS ON HIGHWAYS SHALL BE 30 FEET MINIMUM CLEARANCE IF POSSIBLE FROM EDGE OF PAVEMENT, UNLESS SIGN IS PLACED BEHIND GUARD RAIL WHERE CLEARANCE TO SIGN SHALL BE 2 FEET BEHIND FACE OF GUARD RAIL.

**OFFICE OF HIGHWAY DESIGN SERVICES  
OHIO DEPARTMENT OF HIGHWAYS**

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS

STANDARD CONSTRUCTION DRAWING FACI - 2

APPROVED *M. J. Cunningham*  
ENGINEER OF DESIGN SERVICES

DATE  
3-8-63  
2-25-64  
6-1-65  
4-20-71