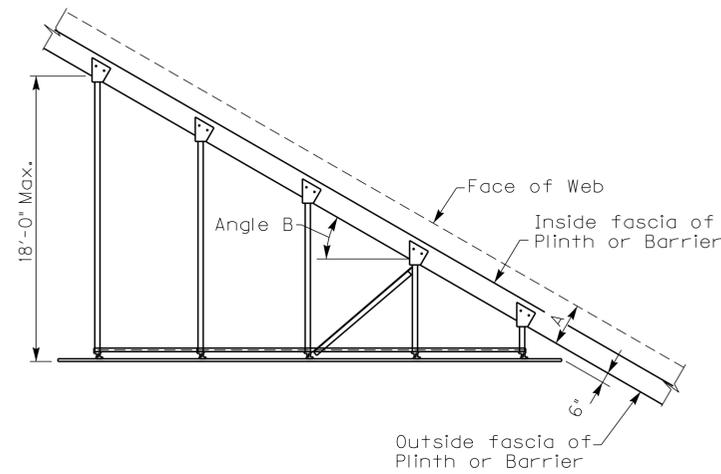


FILE NAME: H:\Resources\Bases\Sheets\Sign Supports\Bridge\_mount\_sign\_support.t.dgn

USER: Earl W. Downey  
DATE PLOTTED: 08-MAR-2012

E-SHEET NAME:

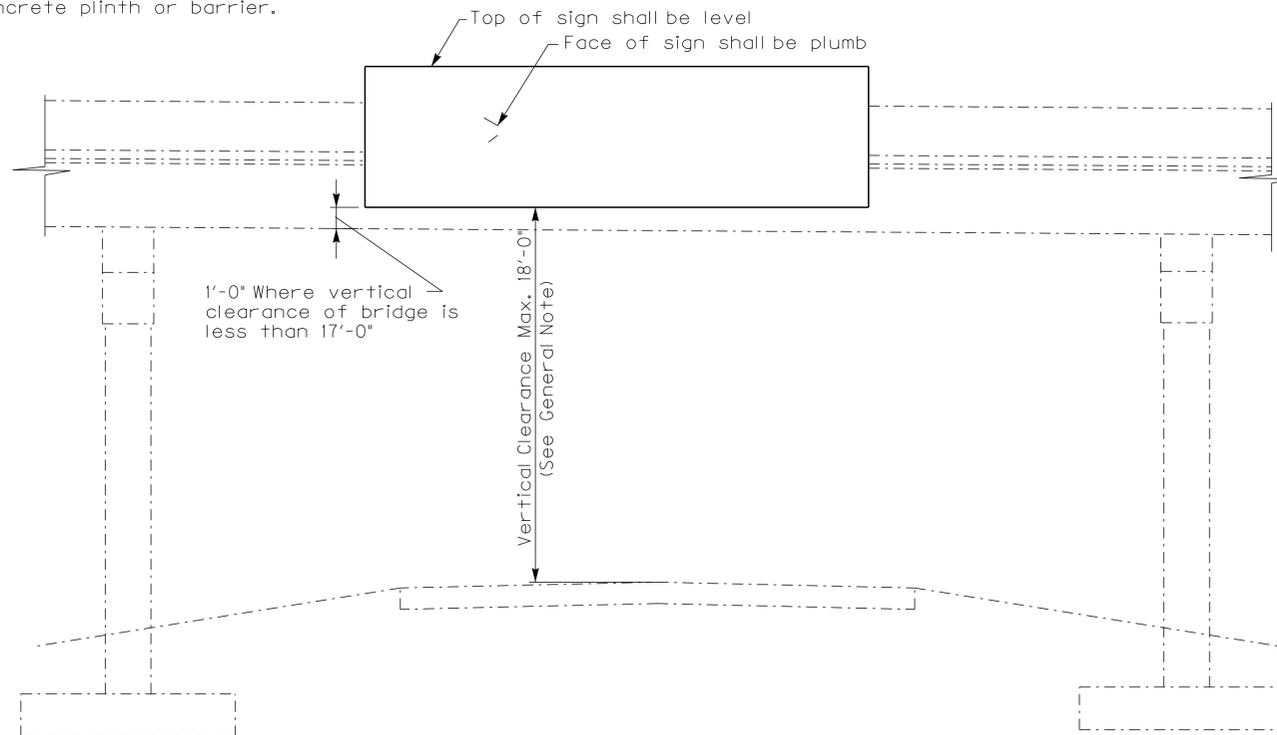
MicroStation v8.11.7.180



**PLAN**

Left skew as shown  
Right skew opposite hand

The entire sign support may be moved so as to clear handrail posts and no bracket shall be within 6" of open joints in concrete plinth or barrier.



**ELEVATION OF BRIDGE AND SIGN**

**GENERAL NOTES**

**SPECIFICATIONS:** The Kentucky Department of Highways Standard Specification for Road and Bridge Construction, current edition shall apply to this project.

**DESIGN LOAD:** Designed for 80 MPH wind in accordance with the specifications for the design and construction of structural steel supports for highway signs published by AASHTO, 1968.

**ELEVATION OF SIGN:** After establishing the horizontal location of the sign, the vertical elevation shall be established as follows: Determine the vertical clearance under the bridge within the limits of the sign. The vertical clearance of the sign shall be equal to this bridge vertical clearance plus 1'-0" with a maximum of 18'-0". This 18'-0" may be exceeded where top of the sign would be less than 0'-6" above the plinth or barrier.

**FABRICATION:** All metal components of the bracket shall be hot-dip galvanized after all fabrication has been completed. The galvanized material shall be loaded, hauled and handled in such a manner that the galvanizing will not be damaged. All abraded and damaged surfaces including the field holes in the T shape shall be regalvanized or repaired by painting with two coats of zinc oxide, zinc dust paint conforming to the requirements of Federal Specifications MIL-PI5145. The paint is to be properly compounded in a suitable vehicle in the ratio of one part zinc oxide to four parts zinc dust, by weight. All repairs are to be as directed by the engineer.

**MILL TEST REPORTS:** Notarized test reports in triplicate shall be furnished The Department of Highways, stated that the material used conform to the specifications.

**WELDING:** All welding and welding materials shall conform to the specifications for Welded Highway and Railroad Bridges of The American Welding Society, current edition.

**NON-SHRINKING GROUT:** Specifications for non-shrinking grout shall be in accordance with the product manufactured as Embeco, Porrok or approved equal.

**MATERIALS:** All structural steel furnished shall conform to ASTM Specification A36, current edition and shall be galvanized in accordance with ASTM A123, current edition. All pipes furnished shall conform to ASTM Specifications A53, current edition and shall be galvanized in accordance with ASTM A123, current edition.

**NOTE TO ENGINEER:** A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart below based on the location where the bridge mount is to be erected, the actual signs to be used on the bridge mount, and the instructions herein. The engineer's name is to appear in the "Checked By" box (\*\*\*) of the title block on each sheet. The engineer is responsible for looking up the original plans and including the drawing number in the table below. The original plans for the bridge are available from the Division of Structural Design.

Sign brackets shall be placed on 4'-0" max. centers with 2'-0" max. sign overhang. The following is the required number for each side.

Sign Length	Number of Brackets
0'-0" thru 8'-0"	2
8'-1" thru 12'-0"	3
12'-1" thru 16'-0"	4
16'-1" thru 20'-0"	5
20'-1" thru 24'-0"	6
24'-1" thru 28'-0"	7

ROAD UNDER BRIDGE	OVERHEAD ROAD	STATION OF ROAD UNDER	SIGN NO.	SIGN LENGTH L.	SIGN LENGTH H.	DIRECTION OF TRAFFIC FACING SIGN	LANE THAT SIGN WILL BE OVER	DIMENSION A	DRAWING NUMBER OF BRIDGE	BEAM WEB T.	TYPE OF FASCIA	TYPE OF BEAM	SKEW LT/RT	ANGLE B	HEIGHT C

TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

REVISION		DATE
DATE:	CHECKED BY	
DESIGNED BY: Standard Sheet	***	
DETAILED BY:		
<b>Commonwealth of Kentucky</b> <b>DEPARTMENT OF HIGHWAYS</b>		
COUNTY		
ROUTE	CROSSING	
<b>BRIDGE MOUNT BRACKETS</b>		
ITEM NUMBER	PREPARED BY	SHEET NO. 1
		DRAWING NO.



