



CANTILEVER

GENERAL NOTES:

Construction - Arizona Department of Transportation Std. Specs. for Road and Bridge Construction, Edition of 1982 and 1985 Supplemental.

Design - AASHTO Std. Specs. for Structural Supports for Highway Signs, 1985 and 1986 Intern. Spec. AASHTO Std. Specs. for Highway Bridges, Edition of 1983 and 1984 through 1986 Intern. Specification.

All concrete shall be Class "B".

Reinforcing steel shall conform to ASTM Specification A615. Bar size #8 and smaller shall be designed as Grade 40 and furnished as Grade 40 or 60. Bar size #7 and larger shall be Grade 60.

Structural steel shall conform to ASTM Specification A36 unless noted otherwise.

Steel for truss chords shall meet the Charpy V Notch test requirement of 15 foot pounds at 40°F. Testing shall be in accordance with AASHTO T243 (ASTM A673). Frequency (H) shall be used.

Stresses: Class "B" Conc. $f'_c = 3,000$ psi
 Grade 40 Reinf. Steel $f_s = 20,000$ psi
 Grade 60 Reinf. Steel $f_s = 24,000$ psi
 Structural Steel $f_s = 20,000$ psi
 (unless noted otherwise)

All dimensions for reinforcing steel shall be to center of bars unless noted otherwise.

All reinforcing steel shall have 2" clear cover unless noted otherwise.

For painting of structural steel, refer to Specifications.

All welding shall conform to the requirements of the American Welding Society, Structural Welding Code, D1.1, 1980, as modified by the AASHTO Std. Specs. for Welding of Structural Steel Highway Bridges, 1981, revised to date.

There shall be no butt welds in horizontal main chord angles or in pipe columns. The location of any other butt weld shall be submitted to the Engineer for approval. All butt welds shall be full penetration using prequalified welding procedures and shall be radiographed. All butt welds shall be ground flush on both sides, full width. Grinding striations shall be parallel to the length of the member. The column to base plate weld shall be tested by ultrasonic testing.

Where pipe is specified it shall be welded or seamless steel pipe and shall conform to ASTM Specification; A53, Grade B, Type E or Type S; A252 Grade 2, Type E or Type S; A106, Grade B, Type S only; API 5L, Grade B, Type E or Type S; API 5LX, Grade X42, Type E or Type S.

During sign erection the sign post shall be raked as necessary with the use of the leveling nuts to make the sign panel level. See Roadway Plans for specific location and elevations.

Dimensions shall not be scaled from drawings.

NO.	DATE	DESCRIPTION OF REVISION



DESIGN APPROVED J.A. McElroy 11-20-85	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DRAWINGS	REV 8-86 5-87
APPROVED FOR DISTRIBUTION James A. McElroy	CANTILEVER TRAFFIC SIGN STRUCTURE	DRAWING NO. 2-S-5.17