

SECTION 02890 - TRAFFIC SIGNS AND SIGNALS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. Traffic control signs.

1.2 REFERENCES

- A. American Standard for Testing Materials (ASTM)
 - 1. ASTM C94 - Ready Mix Concrete
- B. US Department of Transportation, Federal Highway Administration
 - 1. Manual on Uniform Traffic Control Devices (MUTCD).

PART 2 - PRODUCTS

2.1 SIGNS: Conform to the following and MUTCD classification is shown in parentheses:

- A. "STOP" Signs: 30-inches x 30-inches, Octagon, white legend and border on red background (R1-1)
- B. "YIELD" Signs: 36-inches x 36-inches x 36-inches, Triangle, red legend and border band with white interior (R1-2)
- C. "SPEED LIMIT 15MPH" Signs: 24-inches x 30-inches, black legend and border on white background (R2-1)
- D. "NO RIGHT TURN" (or "NO LEFT TURN") Signs: 24-inches x 24-inches, black legend and border, red circle and bar, and white background (R3-1 and R3-2)
- E. "RIGHT TURN ONLY" (or "LEFT TURN ONLY") Signs: 30-inches x 36-inches, black legend and border on white background (R3-5)
- F. "DO NOT ENTER" Signs: 30-inches x 30-inches, white legend, bar, and background and red circle (R5-1)
- G. "NO TRUCKS" Signs: 24-inches x 24-inches, black truck symbol, red circle and bar, on white background (R5-2)
- H. "ACCESSIBLE PARKING SYMBOL" Signs: 12-inches x 18-inches, green legend and border, white symbol on blue box, and white background (R7-8)
- I. "PED XING" Signs: 30-inches x 30-inches, black legend and border on yellow background (W11-2)
- J. "NO PARKING - FIRE LANE" Signs: 30-inches x 36-inches, red legend and border on white background.
- K. "NO PARKING - LOADING ZONE" Signs: 12-inches x 18-inches, black legend and border on white background.
- L. Miscellaneous Signs: See Construction Drawings

2.2 POSTS

- A. "U" channel galvanized steel posts with galvanized sign-mounting hardware for each sign. Posts shall have a weight of 2-pounds per lineal foot.

2.3 CONCRETE

- A. Mix concrete and deliver in accordance with ASTM C94.
- B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing admixture, air-entraining admixture, and water to produce following:
 - 1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on Construction Drawings.
 - 2. Slump Range: 1 to 3-inches at time of placement
 - 3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

- A. Contractor shall field verify underground utilities prior to sign installation. Primary utilities of concern of shallow depths include, but are not limited to, lawn sprinkler systems, electric, telephone, fiber optic, cable and gas.
- B. Cost related to repair of damaged surface and subsurface facilities shall be paid for by the Contractor at no additional expense to the Owner.

3.2 INSTALLATION

- A. Install posts in 6" diameter steel bollards in 18 inch diameter x 24 inch deep concrete foundations. Set posts vertical and plumb with bottom of sign at minimum 7'-0" above finish grade unless otherwise indicated on the Construction Drawings. Mount signs in accordance with manufacturer's instructions.

END OF SECTION