



Standard Drawing Report

Date: December 1, 2017

Technical Owner: Traffic - Lewis H. Wardrip, P.E.

Standard Drawing No. P-400 Calculation Book No. n/a

Drawing Title: Sign Placement



Expires 06/30/18

Background Information, Including Reference Material:

The MUTCD Section 2A provides general rules and recommendations regarding sign placement.

The first version of standard drawing P-400 was created in 2008 and included sign support details. The sign support details have since been moved to standard drawings P-405 and P-406.

Assumption Made:

Standard Drawing P-400 addresses the physical location of signs with respect to roadway geometry, and the arrangement of signs when multiple signs are located on one post. The types and sizes of the signs, posts, and footings will be shown on project specific plan sheets.

Design Narrative:

Standard drawing P-400 requires a 12-inch lateral offset from the face of curb to all post mounted signs. A 12-inch lateral offset for signs from the face of curb maximizes the amount of sidewalk area that is clear of obstructions for pedestrians on City streets. MUTCD Section 2A.19 recommends a lateral offset of at least six feet from the edge of a shoulder, or 12 feet from the edge of a traveled way. However, Section 2A.19 also states, "A lateral offset of at least 1 foot from the face of the curb may be used in business, commercial or residential areas where sidewalk width is limited or where existing pole are close to the curb."

Standard drawing P-400 requires a minimum 7-foot mounting height for signs assemblies in areas where pedestrian could walk, and an 8-foot mounting height above bike routes. MUTCD Section 2A.18 specifies that the minimum height of "... signs installed at the side of the road in business, commercial, or residential

areas where parking or pedestrian movements are likely to occur, or where the view of the sign might be obstructed, shall be 7 feet.”

For ground mount street name signs a minimum mounting height of 9.5 feet up to a maximum of 11 feet is required to minimize vandalism.

For 12” wide signs such as parking sign, the sign can be mounted lower than the standard 7-foot minimum mounting height when mounted in combination with other signs. If the parking signs is mounted alone on a post the standard 7-foot mounting height applies.