



CITY OF CITRUS HEIGHTS
GENERAL SERVICES DEPARTMENT

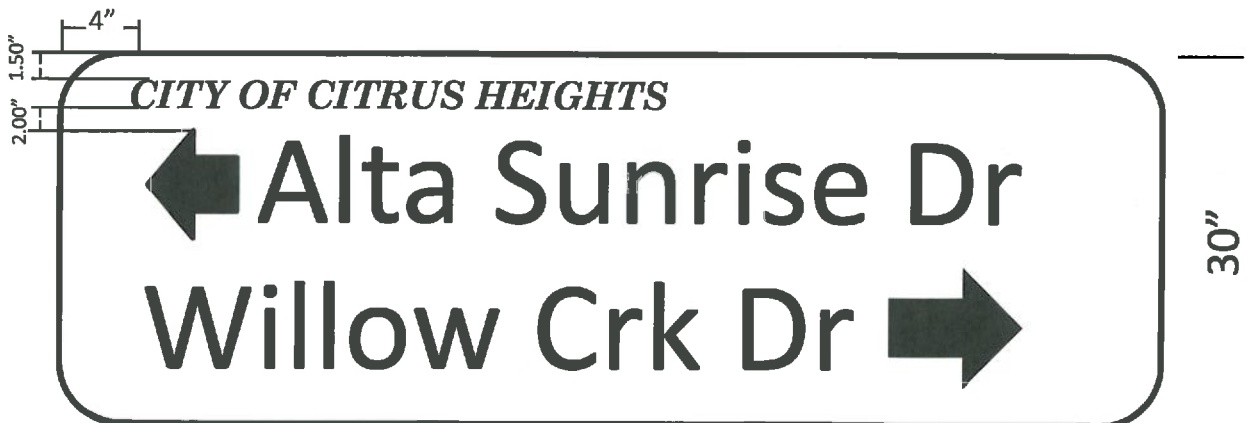
Single Line With Hanging letters 10"/8" Series D Copy



Single Line With No hanging letters 10"/8" Series D Copy



Double Line SSG With 8"/6" Series D Copy



APPROVED BY:

Stuart Hodgkins
STUART HODGKINS, ACTING CITY ENGINEER

MAST ARM
STREET NAME SIGN
DETAIL

APPROVAL DATE: 7/10/14

SCALE: NONE

DRAWN BY: Ian Bello

CD - 20A



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Sign Panel Layout and Lettering:

Reflective mast arm street name signs shall conform to the following specifications:

- Use 3M Scotchlite Reflective Sheeting Diamond Grade Cubed series 4000 or approved equal.
- Use 3M 1160 Premium Overlay Anti-Graffiti film or approved equal.
- Length shall be sufficient to allow a balanced aesthetically pleasing legend, logo and border, but in no case shall the sign be less than 5' nor more than 8' in length.
- The sign background shall be green with 10" upper case and 8" lower case D series white letters and a 1" white border. In some cases the font size will need to be modified to allow the street name to fit within the 8' limit on length of sign.
- 2" "Century School Book Bold Italic" font and 3M Orange shall be used for the "City of Citrus Heights" legend.

Sign Frame & Panel Construction:

1) Frames:

The frame shall be aluminum channel extrusion, 1.25" x 1.25" x .125" wall thickness. Alloy 6063-T5. All joints of the aluminum channel shall be miter cut to form a 45-degree angle at each corner. The frame shall be welded with an inert gas mig weld process using 4043 electrode filler wire in accordance with good shop practice. The width of the filler wire shall be equal to the wall thickness of the channel being welded.

2) Assembly:

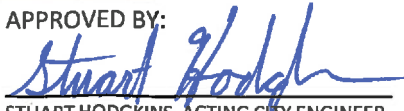
A sign panel shall be fastened to both sides to the channel frame to make a double-faced unit. Each sign panel must be a continuous sheet, no vertical or horizontal splices to make up on panel. The sign panels shall be affixed to the frame with 3/16" diameter blind pop rivets, alloy 5052, or a type approved by the traffic Department/Agency. They must be aluminum approved. The exposed face of the rivet shall be of similar shade and compatible with the face color of the finished sign. The rivet shall be placed through the face of the sign and the wall of the channel placed against the back of the sign panel. Rivets shall be placed no closer than 1/2" from the edge of the sign panel and a maximum of 8" apart from one another. All rivets must penetrate the web of the channel frame for proper grip strength between sign panel and frame.

3) Mounting Assemblies:

The top of the sign mounting clips shall be two free-swinging eyebolts. They shall be of all stainless steel parts. Each of the eyebolts shall be adjusted vertically for leveling the sign to either a straight or curved mast arm. The eyebolt assembly shall permit the mast arm sign unit to swing perpendicular to the support hardware

The hardware used to attach the sign and eyebolt assembly to the mast arm shall be Safeway Sign Company's "Y-Brackets" and "EZB Brackets" or approved equal.

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Mounting:

The bracket shall consist of a 1 piece fixed and 2-piece adjustable telescoping design. The fixed bracket is 8" long with additional fine height adjustment. The 2-piece bracket is designed to adjust from, 13" to 21" on 1" increments without additional adapters required. The Outside Tube shall be 1.75" x 1.5" x .15" wall thickness. The Inner Tube shall be 1.88" x 1.19" x .125" wall. The Inside Tube shall fit firm within each other to slide smoothly.

The "Y-Bracket" shall be one-piece solid aluminum extrusion construction. There shall be four slots in the bracket to accommodate two 3/4" wide stainless steel straps side by side. The strapping shall be minimum .030" thick with heavy-duty buckle. The EZB bracket shall attach to the "Y-Bracket" with a 1/2 " stainless steel bolt, lock washer and ny-lock nut.

When installation of the mast arm sign to the mast arm is complete, the mast arm sign should swing freely in both directions when moved by the installer without any binding or hindrance felt. The mast arm sign will then move freely under normal weather conditions.

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