



**INVITATION TO BID
Town of Waterford
Board of Selectmen
Public Works Road Signs 12-104
Answer to Questions
ADDENDUM #1**

The purpose of this addendum is to answer the following questions that have been received.

- 1) Scope & Information B call out only Alloy 6061-TC, but the article M.18.13 states "Sheet aluminum sign blanks shall be constructed of sheet aluminum, alloy 6061-T6 or alloy 5052-H38". Will the Town accept 5052-H38? This is a more commonly carried alloy.

Yes, the Supplementals of the Form 816 require alloy 5052-H38. (see below)

- 2) Also, article M.18.13 states "They shall be degreased and etched in accordance with the recommendations of the sheeting manufacturer or treated with a light, tightly adherent chromate conversion coating, free of any powdery residue, ranging in color from silvery iridescent to a pale yellow, conforming to ASTM B 449". This conversion coating is considered "toxic". Will the county accept the use of a "non-toxic" conversion coating ASTM B921 (see attached)?

Please refer to the Supplemented Section M.18.13 of the CT DOT Standard Specifications for Roads and Bridges, Form 816, as follows:

M.18.13—Sign Face—Sheet Aluminum: Sheet aluminum sign blanks shall be constructed of sheet aluminum, alloy 6061-T6 or alloy 5052-H38. Sheet aluminum sign blanks shall conform to ASTM B 209. They shall be degreased and etched in accordance with the recommendations of the sheeting manufacturer or treated with a light, tightly adherent chromate conversion coating, free of any powdery residue, ranging in color from silvery iridescent to a pale yellow, conforming to ASTM B 449, Class 2 (10-35 milligrams/square foot) (108-377 milligrams/square foot) with 25 milligrams/square foot (269 milligrams/square meter) as the optimum coating. The thickness shall be as specified on the plans.

- 3) Scope & Information C ask for "caps shall be 909EX or equivalent". CPC makes our own brackets, but our bracket slot to hold the sign is 5.5" long. Is this acceptable?

The requirement is to be "909EX or equivalent". If the bidder can verify the equivalency, it will be acceptable. The sign slot shall be 6" long.

- 4) Scope & Information D ask for “Sign Faces shall be 3-M Engineer Grade or equivalent..”. Will 3-M engineer prismatic or Nikkalite 8100P series be acceptable?

Please look at the sign schedule for the requirements of each sign.

- 5) All school signs are required to be the Fluorescent Yellow Green color when being placed in a school zone. Does the county need S3-1 to be the Fluorescent Yellow Green in color? Bid does not ask for it

Yes, the S3-1 should be Fluorescent Yellow Green.

- 6) Street Name Signs: What size letters are needed and do they need to be all Upper or Upper/Lower? Note: if doing Upper/Lower 4” it will not fit on a 6” without some letters running off the blanks. The Town will need to increase the blank size to at least an 8”

As per the MUTCD, the letters shall be upper & lower. Upper letters shall be 4” on the street names and the upper case on the road type abbreviations is 2”. There has not been an issue in the past with the lower case letters running off of the 6” blanks. Please review the clear view font.

- 7) Street Name Signs: Are there any holes or border?

No holes and no borders.

- 8) Do you have the specifications for the Connecticut DOT for street name signs? I tried finding on the website and having trouble.

Please refer to the MUTCD.