**SECTION 12.00 – GENERAL CLAUSES FOR HIGHWAY SIGNING**

**Description:**

Work under this item shall conform to the requirements of Section 12.00 supplemented as follows:

**12.00.07 – Global Positioning System (GPS) coordinates for signs:**

The Contractor shall obtain and provide to the Engineer sign installation data, including Global Positioning System (GPS) latitude and longitude coordinates, for all new permanent State owned and maintained signs (temporary and construction signs are not to be included) installed in the project. The Engineer shall forward the sign data to the Division of Traffic Engineering for upload into the Highway Sign Inventory and Maintenance Management Program (SIMS). Sign data submissions or questions relating to SIMS or GPS shall be sent to [DOT-SignInventory@ct.gov](mailto:DOT-SignInventory@ct.gov).

The horizontal datum is to be set to the State Plane Coordinate System, North American Datum of 1983 (NAD83) in feet. The minimum tolerance must be within 10 feet. The format of the GPS information shall be provided in a Microsoft Office compatible spreadsheet (Excel) file with data for each sign. The record for each sign installed is to be compatible with the anticipated CTDOT Sign Inventory and Management System (CTSIMS). The following format shall be used. However, the data fields noted by “#” are not required for the project submission. These entries will be completed as part of the Traffic Engineering CTSIMS data upload.

The cost of this work shall be included in the cost of the respective sign face – sheet aluminum and sign face – extruded aluminum items. The receipt of this electronic database must be received and accepted by the Engineer prior to final payment for items involving permanent highway signing. The electronic database information shall detail information regarding the sign actually installed by the project.

Field Number Type size Description

1 text 20 Record Number (starting at 1…)

2 text 20 Sign Catalog Number

# 3 text 10 Size Height

# 4 text 10 Size Width

5 text 25 Legend

# 6 text 10 Background Color

# 7 text 10 Copy Color

8 Link 25 Material (see acceptable categories)

9 text 30 Comments if any

# 10 text 20 MUTCD Type

11 text 15 Town

12 text 5 Route

13 text 5 Route direction

# 14 text 10 Highway Log Mileage

15 text 15 Latitude

16 text 15 Longitude

17 text 25 Mounting Type

18 text 25 Reflective Sheeting Type

19 date 25 Date Installed

20 text 10 Number of Posts

21 text 255 Sheeting Manufacturer name and address

22 text 15 State Project Number (or)

23 text 15 Encroachment Permit number.

24 Graphic \* Sign Picture Graphic.

\* Graphics provided shall be representative of the sign supplied and be in color. Graphic formats shall be either JPG or TIFF and provided with a recommended pixel density of 800 x 600. The graphic shall be inserted in the supplied media in field 24 for each sign.