Index 700-120 Enhanced Highway Signing Assembly

Design Criteria

FDOT Design Manual (FDM)

Design Assumptions and Limitations

The designs shown in ***Index 700-120*** are based on systems crash tested for compliance with the *AASHTO Manual for Assessing Safety Hardware* (***MASH***). Modifications to these designs may significantly affect the crashworthiness of the system and should not be done without consultation with the State Roadway Design Office.

Except for an Overhead Sign Assembly, an Alpha-Numeric identification scheme is provided in ***Index 700-120*** for the "Type" designation of the selected roadside Enhanced Highway Signing Assembly. These are provided to facilitate ease of callouts in the Plans. Base the Alpha-Numeric designation on a combination of the selected "Power Configuration" type and the "Roadside Sign Assembly" number (e.g., Type A1), as follows:

- Power Configuration:
  - Conventionally-Powered — Configuration 'A'
  - Solar-Powered — Configuration 'B'
- Roadside Sign Assembly:
  - Warning Sign w/Flashing Beacon — Assembly '1'
  - School Zone w/Flashing Beacon — Assembly '2'
  - School Zone w/Speed Feedback & Flashing Beacon — Assembly '3'
  - School Zone w/Highlighted Sign — Assembly '4'
  - School Zone w/Highlighted Sign & Speed Feedback — Assembly '5'
  - Speed Limit w/Speed Feedback & Flashing Beacon — Assembly '6'
  - Wrong Way w/ Highlighted Sign — Assembly '7'
  - Blank Out Sign — Assembly '8'
  - Railroad Crossing w/ Flashing Beacon — Assembly '9'
  - Railroad Sign w/ Highlighted Sign — Assembly '10'
  - Railroad Yield or Stop w/ Highlight Sign — Assembly '11'

Plan Content Requirements

Identify and tabulate in the Signing and Pavement Marking Plans.

For Roadside Sign Assemblies, include the Alpha-Numeric “Type” identification in the signing callout label (e.g., Enhanced Highway Signing Assembly, Type A1).

See ***FDM 940*** plan content requirements.

For spread footing, show base location in the Plans. Base location can vary throughout the spread footing but must be at a minimum of 1⅝” from the edge of the spread footing. Anchor bolts within the base and the spread footing must be at a minimum of 6” from the edge of the spread footing.

Payment

Item number	Item Description	Unit Measure
700-14A-BCD	Enhanced Highway Sign Assembly	EA

See the ***BOE*** and ***Specification 700*** for additional information on payment, pay item use and compensation.