

- In addition, the following design issues must be evaluated:
  - Clear zone requirements, which is available in the [VDOT Road Design Manual, Section A-2 – Clear Zone Guidelines.](#)
  - Guardrail deflection requirements, which is available in the [VDOT Road and Bridge Standards, Volume I Section 500.](#)
  - Conflicts with sound walls and utilities (overhead and underground).
  - Combined concrete barrier / sign structure foundation design.
  - Airport and heliport flight path clear zones as discussed in [TEDM, Section I – General, Chapter 4, 4.5.](#)
- Additional Overhead Sign Structure Considerations
  - Cantilever arm lengths should not exceed 50-feet in length and the edge of the sign panel should extend 1-foot beyond the end of the arm.
  - When lighting is required on overhead signing it will be necessary to meet with a local power representative to determine the power source routing and identify power pole numbers from which the power would be supplied for service. On some projects this will be coordinated with the roadway lighting. Others will require obtaining separate power sources and providing the wire routing along with wire sizing and junction box locations. Additional information discussing locating and furnishing the power source locations can be found in the [TEDM, Section V – Roadway Lighting, Chapter 3, 3.7.](#)

### 4.8 NOTES FOR SAFETY IMPROVEMENT ITEMS SHEET

Preparing the Notes for Safety Improvement Items Sheet provides information regarding the construction activities for existing signs within the project limits. The General Notes, Measurement and Payment Items, and Definition of Types for the existing sign plans are as shown and in [Appendix IIA-9.](#)

**NOTE TO DESIGNER: SEVERAL EXAMPLES OF THE USE OF THIS SHEET ARE SHOWN ON APPENDIX IIA-3**

**NOTES FOR SAFETY IMPROVEMENT ITEMS**

**MEASUREMENT & PAYMENT ITEMS**

**DEFINITION OF TYPES**

TYPE	DESCRIPTION	UNIT
01	Sign Base Post	EA
02	Sign Base Post	EA
03	Sign Base Post	EA
04	Sign Base Post	EA
05	Sign Base Post	EA
06	Sign Base Post	EA
07	Sign Base Post	EA
08	Sign Base Post	EA
09	Sign Base Post	EA
10	Sign Base Post	EA
11	Sign Base Post	EA
12	Sign Base Post	EA
13	Sign Base Post	EA
14	Sign Base Post	EA
15	Sign Base Post	EA
16	Sign Base Post	EA
17	Sign Base Post	EA
18	Sign Base Post	EA
19	Sign Base Post	EA
20	Sign Base Post	EA
21	Sign Base Post	EA
22	Sign Base Post	EA
23	Sign Base Post	EA
24	Sign Base Post	EA
25	Sign Base Post	EA
26	Sign Base Post	EA
27	Sign Base Post	EA
28	Sign Base Post	EA
29	Sign Base Post	EA
30	Sign Base Post	EA
31	Sign Base Post	EA
32	Sign Base Post	EA
33	Sign Base Post	EA
34	Sign Base Post	EA
35	Sign Base Post	EA
36	Sign Base Post	EA
37	Sign Base Post	EA
38	Sign Base Post	EA
39	Sign Base Post	EA
40	Sign Base Post	EA
41	Sign Base Post	EA
42	Sign Base Post	EA
43	Sign Base Post	EA
44	Sign Base Post	EA
45	Sign Base Post	EA
46	Sign Base Post	EA
47	Sign Base Post	EA
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93	Sign Base Post	EA
94	Sign Base Post	EA
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98	Sign Base Post	EA
99	Sign Base Post	EA
100	Sign Base Post	EA

## NOTES FOR SAFETY IMPROVEMENT ITEMS (See Appendix IIA-9)