# MassDOT Highway Division

## Request and Documentation for the use of

## Non-Standard or Non-Compliant Roadside Safety Hardware

### ****Basic Information****

|  |  |
| --- | --- |
| **Location:** |  |
| **Description:** |  |
| **Date of Request:** |  |

### Project Information

|  |  |
| --- | --- |
| **Project File Number:** |  |
| **Designer:** |  |
| **MassDOT Project Manager:** |  |
| **Current Design Stage:** |  |
| **Advertising Date:** |  |

### Facility Information

|  |  |
| --- | --- |
| **Asset Owner:** |  |
| **NHS Roadway (Y/N):** |  |
| **AADT:** |  |
| **Design Year AADT:** |  |
| **Target Speed:** |  |
| **Design Speed:** |  |
| **Measured Speed:** |  |
| **Posted Speed Limit:** |  |

### Designer Certification



Date

### MassDOT Approval



Chief Engineer Date

### Project Description

### Required Safety Hardware

### Description of Problem(s)

### Proposed Solution(s)

### Basis of Proposed Design

### Alternate Designs Reviewed

### Recommendation

### ****Instructions for This Form****

**General: C**omplete this form and attach drawings, details, sketches, photos, memoranda and any other information that would be beneficial to MassDOT reviewers and the Design Solutions Committee. Provide all necessary information in the shaded boxes on Page 1.

**Designer Certification:** The document must be stamped and signed by a Professional Engineer registered in Massachusetts and in responsible charge of the work. The stamp should be affixed to the right of the signature lines on Page 1.

**Project Description:** Provide a general description of the proposed project and the work required at the affected location(s).

**Required Safety Hardware:** Describe MASH Test Level requirements for the facility and the required standard safety hardware system(s) at the affected location(s).

**Description of Problem(s):** Provide a general narrative of the constraints that necessitate a request for an exception.

**Proposed Solution(s):** Describe what is being proposed. Reference the appropriate drawings and details that are attached to the submittal. Include plan and elevation views, if required. How does the design differ from what exists today and how will it benefit safety?

**Basis of Proposed Design:** Describe how the design was selected and include references to other standards or crash tests (such as NCHRP-350 or MASH 2009) that it may be based upon and how it differs from or compares to those.

**Alternate Designs Reviewed:** List or show alternate designs that were considered but determined to be less preferable than the design submitted.

**Recommendation:** Provide a brief statement regarding the requested exception(s).