

Submitted By: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Recommended: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Engineer of Record

To: \_\_\_\_\_

Program / Project Manager

**BASIS OF DESIGN EXCEPTION**

- Request for Approval of Design Exceptions to AASHTO Guidelines
- Request for Approval of Design Exceptions from Standard SCDOT Procedures

**PROJECT CHARACTERISTICS**

County: \_\_\_\_\_ Rd./Route: \_\_\_\_\_ Const. Pin: \_\_\_\_\_

From: \_\_\_\_\_ To: \_\_\_\_\_

Length: \_\_\_\_\_ MPO / COG: \_\_\_\_\_

Work Type: \_\_\_\_\_

Functional Classification: \_\_\_\_\_

Group Designation: ( 1  / 2  / 3  / 4  ) (if applicable)

Type of Terrain: ( Level  / Rolling  / Mountainous  )

Design Speed: \_\_\_\_\_ (mph)

\_\_\_\_\_ ADT \_\_\_\_\_

\_\_\_\_\_ ADT \_\_\_\_\_

TRUCKS \_\_\_\_\_ %

**CRASH ANALYSIS**

(Attach additional sheets with accident history data)

**TOTAL PROJECT ESTIMATE** (\$) \_\_\_\_\_

**CHECK APPROPRIATE BOX(ES) FOR DESIGN EXCEPTION(S)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Design Speed         | <input type="checkbox"/> Maximum Grade       | <input type="checkbox"/> Travel Lane Width       |
| <input type="checkbox"/> Horizontal Alignment | <input type="checkbox"/> Vertical Clearance  | <input type="checkbox"/> Shoulder Width          |
| <input type="checkbox"/> Minimum Radii        | <input type="checkbox"/> Bridge Width        | <input type="checkbox"/> Horizontal Clearance    |
| <input type="checkbox"/> Vertical Alignment   | <input type="checkbox"/> Structural Capacity | <input type="checkbox"/> Stopping Sight Distance |
| <input type="checkbox"/> Level SSD K-Values   | <input type="checkbox"/> Superelevation Rate |  |
|   | <input type="checkbox"/> Cross Slope         |  |
|   | <input type="checkbox"/> Travel Lanes        |  |
|   | <input type="checkbox"/> Shoulders           |  |

**DESCRIBE ELEMENT(S) FOR DESIGN EXCEPTION(S)**

(Attach additional sheets as needed) \_\_\_\_\_

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**JUSTIFICATION FOR DESIGN EXCEPTION(S)**

(Attach additional sheets as needed) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DESCRIBE STEPS TO ELEMIMATE DESIGN EXCEPTION(S), INCLUDE COST**

(Attach additional sheets as needed) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HOW WILL FUTURE CONSTRUCTION IMPACT DESIGN EXCEPTION(S)?**

(Attach additional sheets as needed) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**RECORD OF DECISION**

For

Against

For

Against

Approved

Denied

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Regional Design Manager/  
Program Manager / DEA)      Date

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Regional Production Engineer)      Date

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
(Director of Preconstruction)      Date

Concur

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
FHWA (NHS > \$50 million & All Interstate)

cc:  
Director of Preconstruction  
FHWA  
Preconstruction Support Engineer  
Regional Production Group Engineer  
District Engineering Administrator  
Director of Traffic Engineering