

OREGON DEPARTMENT OF TRANSPORTATION

HYDRAULIC DESIGN DEVIATION REQUEST

Project name:		Route No:	
Highway Name:		Hwy. No:	
County:		Milepoint:	
Region:		Project No:	
DFI or Structure #		EA No:	

PROJECT DATA

Design Frequency		Design Precipitation	
Design Life		Current ADT	
DAP Date		Bid Date	

HYDRAULIC DESIGN DEVIATIONS

Documentation (Reference Ch. 4)	Culverts (Reference Ch. 9)	Bridges (Reference Ch. 10)	Energy Dissipators (Reference Ch. 11)
☐ Reduce documentation requirements	☐ Replacement "in-kind" (replace w/calculations) ☐ Reduce design storm ☐ Reduce barrel material design life (ref. Ch. 15) ☐ Exceed allowable headwater ☐ Use or remove tide gate	☐ Reduce opening clearance ☐ Reduce design storm	☐ Reduce design storm ☐ Eliminate protection ☐ Reduce protection

Storage Facilities (Reference Ch. 12)	Storm Drainage (Reference Ch. 13)	Water Quality (Reference water quality tech. bulletin)	Bank Protection (Reference Ch. 15)
☐ Reduce Freeboard ☐ Reduce design storm ☐ Reduce depth to groundwater	☐ Exceed water spread on pavement ☐ Allow pressure flow- storm drains ☐ Reduce design storm	☐ Reduce freeboard ☐ Eliminate Soil Amendment ☐ Reduce design storm ☐ Reduce design length/width ☐ Reduce depth to groundwater	☐ Reduce design storm ☐ Eliminate protection ☐ Reduce protection

Other
☐ Use an experimental or new technology or material

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Description of Hydraulic Design Exception:	
Description of Project:	
Location of Feature:	
Hydraulic/Hydrologic History:	
Reasons for Not Attaining Standard:	
Effect on Other Standards:	
Compatibility with Adjacent Sections:	
Probable Time before Reconstruction:	
Mitigation for Design Deviation Included in the Design:	
Supporting Documentation:	

Attachments:

- ☐ Vicinity map
- ☐ Plan sheets
- ☐ Photos
- ☐ Charts – use to compare options, design elements, costs, etc.
- ☐ Design Manual Figure or Section that show Design Standard
- ☐ Maintenance Concurrence
- ☐ Concurrence from other technical disciplines

**OREGON DEPARTMENT OF TRANSPORTATION
HYDRAULIC DESIGN DEVIATION REQUEST**

Signatures:

Prepared by: _____
(Engineer of Record)

Date: _____

Name:

Phone:

Company name:

Company address:

City:

State:

**OREGON ENGINEER OF
RECORD PROFESSIONAL
ENGINEERS STAMP**

Concurred by: _____ **Date:** _____
Region Hydraulic Engineer

(Print Name) _____

Concurred by: _____ **Date:** _____
Region Management Representative (if required by Tech Center)

(Print Name) _____

Concurred by: _____ **Date:** _____
Hydraulic Engineering Section Senior Hydraulic Engineer

(Print Name) _____

Concurred by: _____ **Date:** _____
State Bridge Engineer (as needed)

(Print Name) _____

Approved by: _____ **Date:** _____
State Hydraulic Engineer

(Print Name) _____