

Design Exception Request

DEL-229-0.21

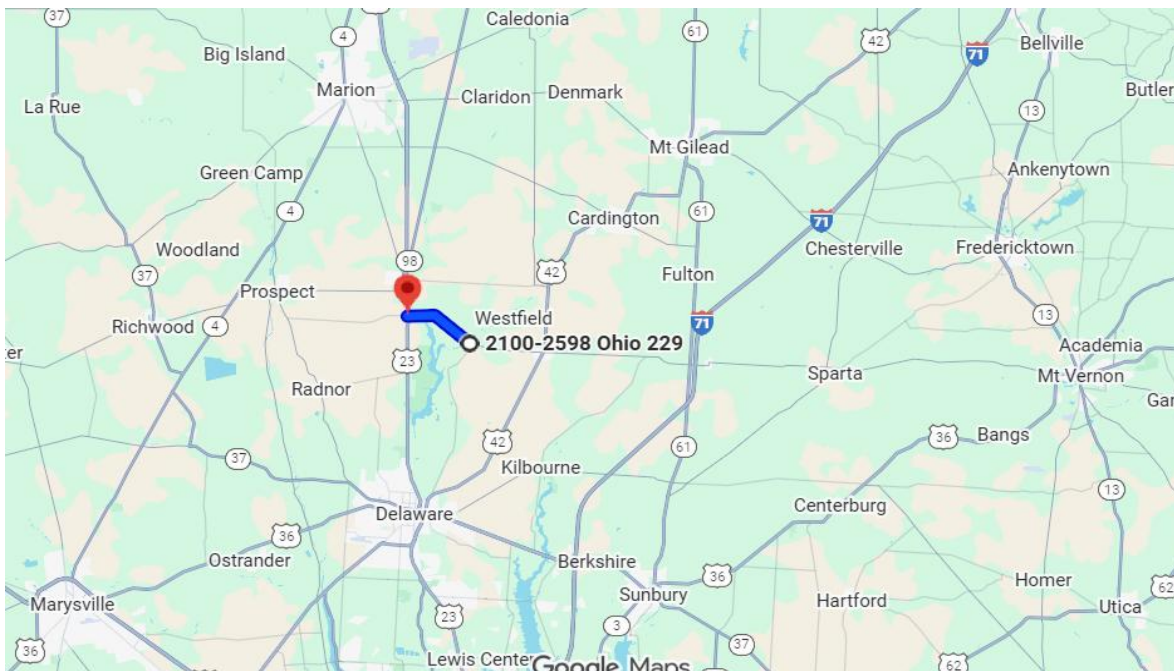
PID: 107754; Request 01

Letting Type: ODOT-Let

Design Designation

00229; 0.14-3.5

Current ADT (2025)	3,600	Td	0.05
Design Year ADT (2045)	4,700	Design Speed	60
Design Hourly Volume (2045)	400	Legal Speed	55
Directional Distribution	0.50	Design Functional Class	5 - Major Collector Roads
Trucks (24hr B&C)	0.16	Functional Class Area Type	Rural
		NHS Project	No



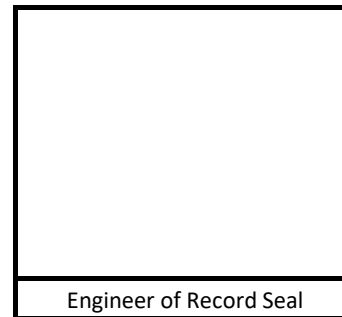
Submitted By:

Ravinder Gupta
(Engineer of Record)

Approved by:

Adam Koenig

Approval Date: 11/7/2024



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Controlling Criteria Identification

Section: 00229; 0.14-3.5

Controlling Criteria	Standard	Existing (a.)	Proposed
Lane Width			
Shoulder Width	Graded = 11.0' (Guardrail, Type MGS), 8.0' (Guardrail, Type MGS with Long Posts)	0093 Site Graded = 4.0' Max. 0348 Graded = 4.0' Max.	0093 Site Graded = 7.0' 0348 Graded = 3.0'
Horizontal Curve Radius			
Maximum Grade			
SSD (Horizontal & Crest Vertical)			
Pavement Cross Slope			
Superelevation Rate			
Vertical Clearance			
Design Loading Structural Capacity			

(a.) "Existing" may be N/A (i.e. New alignment or new ramp)

Project Description

REPLACEMENT OF THE EXISTING STRUCTURE AT THE DEL-00229-00.200, REHABILITATION OF THE EXISTING STRUCTURES AT 00.930, 01.490, AND 03.480 AND GUARDRAIL UPGRADES AT THE DEL-00229-00.360 LOCATION. REPLACEMENT OF THE EXISTING CULVERTS AT 01.560 AND 02.298 AND EXTENDING THE EXISTING CULVERT AT THE 03.250 LOCATION.

Section Description

REPLACEMENT OF THE EXISTING STRUCTURE AT THE DEL-00229-00.200, REHABILITATION OF THE EXISTING STRUCTURES AT 00.930, 01.490, AND 03.480 AND GUARDRAIL UPGRADES AT THE DEL-00229-00.360 LOCATION.
REPLACEMENT OF THE EXISTING CULVERTS AT 01.560 AND 02.298 AND EXTENDING THE EXISTING CULVERT AT THE 03.250 LOCATION.

Proposed Mitigation (if any):

None

Support for Deviation (Benefit-cost, R/W, Environmental, Constructability, Coordination with Other Projects, Relationship between any crash patterns and proposed design exception, etc.):

For the 0093 site, no roadway work is being performed, therefore the shoulder widths will not be increased with this site. The bridge is not being widened so the 4.0' paved shoulder required will not be provided. Widening the bridge and the roadway would greatly increase the cost and construction limits for this site. No crash patterns were found in this area.

For the 0348 site, the bridge is not being widened, so the roadway width will not be increased for this site. The roadway work being performed is the required taper lengths to tie back down to the existing pavement only. The bridge is not being widened so the 4.0' paved shoulder required will not be provided. Widening the bridge and the roadway would greatly increase the cost and construction limits for this site. No crash patterns were found in this area.

Does the requested Design Exception location fall within a Safety Integrated Project (SIP) Map Location?

No

Does the crash analysis (GCAT and CAM Tool) show any patterns that would be adversely impacted by the proposed Design Exception?

No