Design Exception Request

FRA-270-0.96/1.52/9.30

PID: 105498; Request 01

Letting Type: ODOT-Let

Design Designation

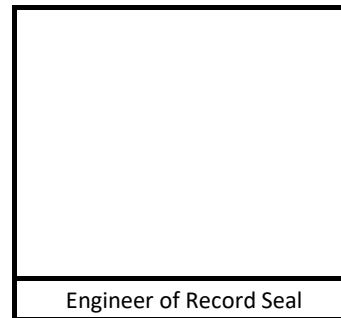|			
Current ADT (2022)	7,600	Td	2%
Design Year ADT (2042)	8,400	Design Speed	40
Design Hourly Volume (2042)	907	Legal Speed	40
Directional Distribution	50%	Design Functional Class	6 - Minor Collector Roads
Trucks (24hr B&C)	2%	Functional Class Area Type	Urban
		NHS Project	No

Submitted By:

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Jonathan Drummond
(Engineer of Record)

Approved by:

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Timothy Keller   Approval Date: 5/27/2022

Engineer of Record Seal

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Controlling Criteria Identification

Controlling Criteria	Standard	Existing (a.)	Proposed
Lane Width			
Shoulder Width			
Horizontal Curve Radius			
Maximum Grade			
SSD (Horizontal & Crest Vertical)			
Pavement Cross Slope			
Superelevation Rate			
Vertical Clearance			
Design Loading Structural Capacity	HL-93 Inventory Rating > 1.0	CF-400 (51)	HL-93 Inventory Rating = 0.717
(a.) "Existing" may be N/A (i.e. New alignment or new ramp)			

Project Description

Replace deck and addition of sidewalk on Gantz Road Structure FRA-00270-00.960 over IR-270.

Replace deck and addition of sidewalk on McComb Road Structure FRA-00270-01.520 over IR-270.

Widen and replace deck with addition of shared use path on Trabue Road Structure FRA-00270-09.30 over IR-270.

Section Description

Deck replacement and addition of sidewalk on Gantz Road Structure FRA-00270-00.960 over IR-270

Proposed Mitigation
None

Support for Deviation (Benefit-cost, R/W, Environmental, Constructability, Coordination with Other Projects, Relationship between any crash patterns and proposed design exception, etc.):
The proposed structure has been evaluated and the bridge structural capacity is adequate (RF>1.0) for all Ohio Legal Loads and posting is not requried. An allowance for future wearing surface (60psf) was included in the analysis.

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