

Design Exception Request

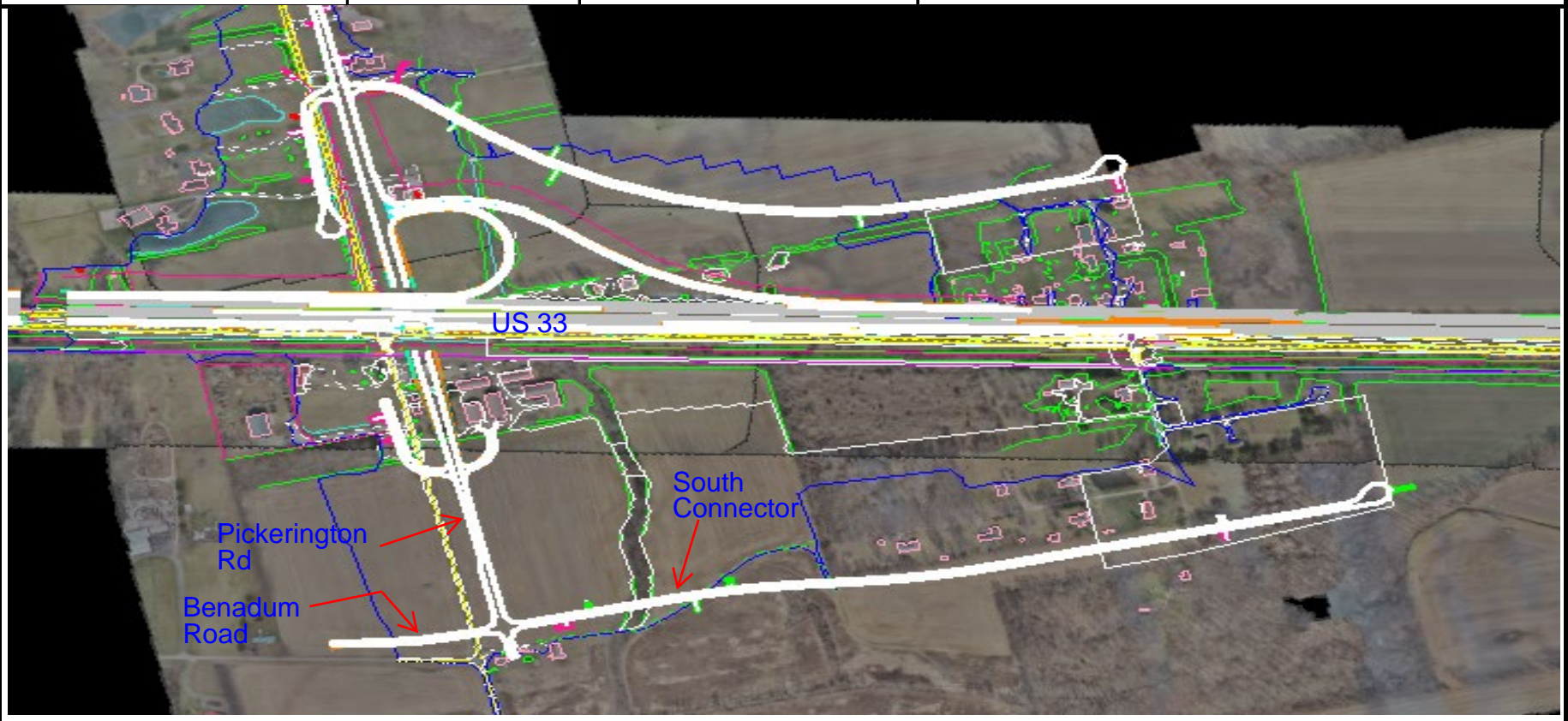
FAI-33-2.64

PID: 77555; Request 04 (Benadum Road / South Connector)
Letting Type: ODOT-Let

Design Designation

Benadum Road; 0.4-0.52

Current ADT (2026)	450	Td	0
Design Year ADT (2046)	860	Design Speed	55
Design Hourly Volume (2046)	120	Legal Speed	55
Directional Distribution	0.60	Design Functional Class	7 - Local Roads
Trucks (24hr B&C)	0.02	Functional Class Area Type	Rural
		NHS Project	No



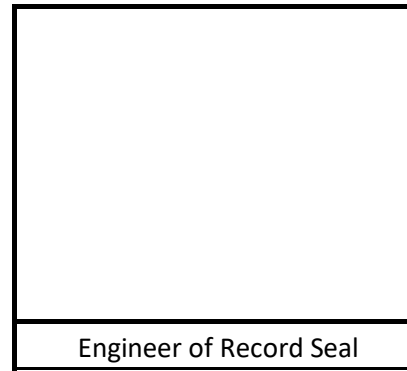
Submitted By:

Tony W. Grieshop
(Engineer of Record)

Approved by:

Adam Koenig

Approval Date: 7/22/2024



Engineer of Record Seal

Design Exception Request

FAI-33-2.64

PID: 77555; Request 04

(Benadum Road /
South Connector)

Controlling Criteria Identification

Section: Benadum Road; 0.4-0.52

Controlling Criteria	Standard	Existing (a.)	Proposed
Lane Width			
Shoulder Width			
Horizontal Curve Radius			
Maximum Grade			
SSD (Horizontal & Crest Vertical)			
Pavement Cross Slope			
Superelevation Rate	P.I. Sta. 703+28.44 (Curve 10) = 0.056	N/A Realignment of Benadum Rd. and intersection with Pickerington Rd. and new South Connector	P.I. Sta. 703+28.44 (Curve 10) = 0.040 (Fairfield Co Std - Emax = 0.04)
Vertical Clearance			
Design Loading Structural Capacity			

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

Project Description

Replace the existing intersection of US 33 and Pickerington Road with an interchange and remove the Allen Road intersections.

Section Description

Realignment of 665 ft of Benadum Road to align with the South Connector to provide a more perpendicular intersection with Pickerington Road.

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 0.04 superelevation is Fairfield County's maximum standard rate allowed. The road is designed per Fairfield County standards.

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