Ohio Department of Transportation - District Three

Project Scope

PID: 113325 | Project Name: RIC SR 0013 11.01

Project Overview

Scope Project Mgr.	Mike Schafrath	Initial Scope Meeting Date	2/17/2022
Design Project Mgr.	Joseph N Clark	Scope Version	Original
In-House Designer	Consultant Design		
Environmental Mgr.	Donald E Rostofer		
Letting Type	ODOT Let	File Date	2/23/2024
Design Responsibility	0	Federal Aid Number	N/A
Primary Work Cat.	Roadway Major Rehab	PDP Path	Path 1

Existing Plans

PID 87690 RIC-13-11.01 to 14.40 Reactive Maintenance (Act. 52 AC Inlay), FY2021
PID 77314 RIC-13-11.01 to 14.40 Overlay (1.25" Item 442 AC Surface, 9.5MM, Type A (446), 0.75" Item 442 AC Intermediate, 9.5MM, Type A (448)) FY2010
PID 16915 RIC-13-17.332 (Metric) - Bridge Rehab project FY1999

Project Description

Major Rehab RIC SR 13 11.01 (Hanley Rd) to 14.40 (0.02 miles south of East Raleigh Ave.)
Full depth pavement replacement with new flexible pavement

Purpose & Need

The pavement along the segment of RIC-13-11.01 to 14.40 has reached its useful life. It is showing many signs of distress and will be replaced. The purpose of this project is to remove the existing composite pavement full depth and replace it with a new full depth flexible pavement. Underdrain, signage, culvert, bridge, pavement markings, RPMs, and barrier work are all anticipated along with the pavement replacement. This will be a Major Rehab funded project with additional district funds included as well.

Action Items

	Complete?
~~Receive geotechnical deliverables~~	☑
Receive C.O. OPE pavement design	☐
~~Check with city about pavement marking and signal~~	☑
~~Culvert inspections completed by county~~	☑
	☐
	☐
	☐
	☐
	☐
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	☐
	☐

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Bridge

2.5.D.A-C, 2.7.F.A-C, 3.3.I.A-B, 3.8.B, 4.3.C

Bridge 1

Bridge Location	RIC-CR-134-4.752	Preliminary Cost Estimate	$27,000.00
Treatment Types	*PM: Deck patching (concrete) (049), PM: Deck Sealing (051), RM: Concrete patching(non-deck) (010), RM: Expansion joint repair/replacement (048)*		
Existing Bridge Information			

		Comment		
Alignment	Use Existing		Curb Present	Yes
Profile	Use Existing		Cut Trees	No
Floodplain Coord.	Dsgn Consultant		R/W Req'd	No
OHWM Determ.	Dsgn Consultant		Survey Req'd	No
MOT Type	Select...		Soil Borings Req'd	No
			Utility Relocation Req'd	No
			Hydraulic Analysis Req'd	No
	Existing		Structure Type Study Req'd	No
General Appraisal*	7		Driveway Accomodations Req'd	Yes
Sufficiency Rating	075.2		Addendum Sheet for Structure	Y/N...
Year Built	1965		Eligible for National Historic Register	Y/N...

	Existing			Proposed	
Structure Type*	Steel continuous/Stringer/Multi-beam or Girder				
Structure File No.*	7000391		→		
Feature Intersected	OVER RIC-013 -1368		→	Same as existing	
Design Loading	H15		→	Same as existing	
Number of Spans	4		→	Same as existing	
Out↔Out Width*	40.7	ft	→	Same as existing	ft
Bridge Railing Type	Reinf Conc & Steel		→	Same as existing	
Curb↔Curb Width	30	ft	→	Same as existing	ft
Overall Length	207	ft	→	Same as existing	ft
Approach Slab Len	25	ft			
Vertical Clearance		ft	→	Same as existing	ft
Horiz. Clearance		ft	→		ft
Wearing Surf Type	MicroSilica		→	Same as existing	
Wearing Surf Thick	1.2	in	→	Same as existing	in

Proposed Bridge Work *(What & Why)*

Item 512 - Seal deck and exposed approach slabs with SRS
Item 202 - Remove existing joint seal at approach slab
Item 516 - Hot Applied Joint Sealer
Item 519 - Concrete patching - Pier columns
Item 519 - Patching bridge decks - PN512 Type B or C - Backwall areas and misc. deck (designer to verify quantities)

Approach guardrail is new and was installed with recent city project.
Deck was previously sealed in 2011. Traffic control will be needed on Cook Rd during this work. Appears to be 2 transverse joints at the abutments.

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Bridge 2

Bridge Location	RIC-MR-0-.000	Preliminary Cost Estimate	$16,000.00
Treatment Types	*PM: Expansion joint repair/replacement (048), PM: Deck patching (concrete) (049), PM: Deck Sealing (051)*		
Existing Bridge Information			

		Comment		
Alignment	Use Existing		Curb Present	No
Profile	Use Existing		Cut Trees	No
Floodplain Coord.	Dsgn Consultant		R/W Req'd	No
OHWM Determ.	Dsgn Consultant		Survey Req'd	No
MOT Type	Select...		Soil Borings Req'd	No
			Utility Relocation Req'd	No
			Hydraulic Analysis Req'd	No
	Existing		Structure Type Study Req'd	No
General Appraisal*	6		Driveway Accomodations Req'd	Yes
Sufficiency Rating	075.7		Addendum Sheet for Structure	Y/N...
Year Built	1965		Eligible for National Historic Register	Y/N...

	Existing			Proposed	
Structure Type*	Steel continuous/Stringer/Multi-beam or Girder				
Structure File No.*	7000421		→		
Feature Intersected	OVER RIC-013-1383		→	Same as existing	
Design Loading	H15		→	Same as existing	
Number of Spans	4		→	Same as existing	
Out↔Out Width*	34.7	ft	→	Same as existing	ft
Bridge Railing Type	Reinf Conc Parapet		→	Same as existing	
Curb↔Curb Width	24	ft	→	Same as existing	ft
Overall Length	210	ft	→	Same as existing	ft
Approach Slab Len	25	ft			
Vertical Clearance		ft	→	Same as existing	ft
Horiz. Clearance		ft	→		ft
Wearing Surf Type	Chip and Seal		→	Same as existing	
Wearing Surf Thick	1.2	in	→	Same as existing	in

Proposed Bridge Work *(What & Why)*

Item 512 - Seal deck with SRS
Item 516 - Clean out joint seals and replace with Hot Applied Joint Sealer
Item 519 - Patching bridge decks - PN512 Type B or C - SW Backwall with hole at joint (designer to verify quantities)

Deck was previously sealed in 2011. Traffic control will be needed on Malone Rd during this work.

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Bridge 3

Bridge Location	RIC-SR-13-14.156
Preliminary Cost Estimate	$4,000.00
Treatment Types	*PM: Deck patching (concrete) (049), PM: Deck Sealing (051)*
Existing Bridge Information	

		Comment		
Alignment	Use Existing		Curb Present	No
Profile	Use Existing		Cut Trees	No
Floodplain Coord.	Dsgn Consultant		R/W Req'd	No
OHWM Determ.	Dsgn Consultant		Survey Req'd	No
MOT Type	Select...		Soil Borings Req'd	No
			Utility Relocation Req'd	No
			Hydraulic Analysis Req'd	No
	Existing		Structure Type Study Req'd	No
General Appraisal*	8		Driveway Accomodations Req'd	Yes
Sufficiency Rating	095.6		Addendum Sheet for Structure	Y/N...
Year Built	1965		Eligible for National Historic Register	Y/N...

	Existing			Proposed	
Structure Type*	Steel continuous/Stringer/Multi-beam or Girder				
Structure File No.*	7000480		→		
Feature Intersected	OVER RIC-013-1416BRRAMP		→	Same as existing	
Design Loading	H20		→	Same as existing	
Number of Spans	3		→	Same as existing	
Out↔Out Width*	52.3	ft	→	Same as existing	ft
Bridge Railing Type	42" Defl Type Para (NJ Shape)		→	Same as existing	
Curb↔Curb Width	47	ft	→	Same as existing	ft
Overall Length	116	ft	→	Same as existing	ft
Approach Slab Len	25	ft			
Vertical Clearance		ft	→	Same as existing	ft
Horiz. Clearance		ft	→		ft
Wearing Surf Type	Chip and Seal		→	Same as existing	
Wearing Surf Thick	1.2	in	→	Same as existing	in

Proposed Bridge Work *(What & Why)*

Remove RPMs from deck and fill all voids with epoxy - designer to get count of RPM locations
Item 512 - Sealing bridge deck with HMWM (individual cracks in deck area) - Designer to identify specific locations.

Thickness of asphalt on approach slab is unknown. Pave to same grade.

Verify standard of trailing BTA and upgrade to standard if necessary. See SCD MGS-3.1 for type 1 BTA installation. Type 2 BTA will require additional details in order to account for a height adjustment.

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Bridge 4

Bridge Location	RIC-SR-13-14.156	Preliminary Cost Estimate	$4,000.00
Treatment Types	*PM: Deck patching (concrete) (049), PM: Deck Sealing (051)*		
Existing Bridge Information			

		Comment		
Alignment	Use Existing		Curb Present	No
Profile	Use Existing		Cut Trees	No
Floodplain Coord.	Dsgn Consultant		R/W Req'd	No
OHWM Determ.	Dsgn Consultant		Survey Req'd	No
MOT Type	None		Soil Borings Req'd	No
			Utility Relocation Req'd	No
			Hydraulic Analysis Req'd	No
	Existing		Structure Type Study Req'd	No
General Appraisal*	8		Driveway Accomodations Req'd	Yes
Sufficiency Rating	091.6		Addendum Sheet for Structure	Y/N...
Year Built	1965		Eligible for National Historic Register	Y/N...

					Proposed	
Structure Type*	Steel continuous/Stringer/Multi-beam or Girder					
Structure File No.*	7000456		→			
Feature Intersected	OVER RIC-013-1416BLRAMP		→		Same as existing	
Design Loading	H20		→		Same as existing	
Number of Spans	3		→		Same as existing	
Out↔Out Width*	42.3	ft	→		Same as existing	ft
Bridge Railing Type	42" Defl Type Para (NJ Shape)		→		Same as existing	
Curb↔Curb Width	37.8	ft	→		Same as existing	ft
Overall Length	116	ft	→		Same as existing	ft
Approach Slab Len	25	ft				
Vertical Clearance		ft	→		Same as existing	ft
Horiz. Clearance		ft	→			ft
Wearing Surf Type	Chip and Seal		→		Same as existing	
Wearing Surf Thick	1.2	in	→		Same as existing	in

Proposed Bridge Work *(What & Why)*

Remove RPMs from deck and fill all voids with epoxy - designer to get count of RPM locations
Item 512 - Sealing bridge deck with HMWM (individual cracks in deck area) - Designer to identify specific locations.

Thickness of asphalt on approach slab is unknown. Pave to same grade.

Verify standard of trailing BTA and upgrade to standard if necessary. See SCD MGS-3.1 for type 1 BTA installation. Type 2 BTA will require additional details in order to account for a height adjustment.

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Culvert

2.3.C.A-F, 2.3.H.A, 2.5.D.B-C, 2.7.B.A-E, 3.3.B.A-F

Culvert 1

Culvert Location	RIC-13-11.298	CFN	1810699	Prelim Cost Est	$3,000
Description of Work	*Headwall Repair*				
				Cut Trees	Maybe
Proposed Work	Headwall Repair	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Not Applicable	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Half Height	
Span	15	in	→	15	in
Rise	15	in	→	15	in
Length	60	ft	→	60	ft
Roadway Width		ft	→		ft

Comments

Install half height headwall at outlet

Culvert 2

Culvert Location	RIC-13-11.411	CFN	1810700	Prelim Cost Est	$6,000
Description of Work	*Headwall Repair*				
				Cut Trees	Maybe
Proposed Work	Headwall Repair	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Not Applicable	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Half Height	
Span	24	in	→	24	in
Rise	24	in	→	24	in
Length	72	ft	→	72	ft
Roadway Width		ft	→		ft

Comments

Install half height headwalls at inlet and outlet

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Culvert 3

Culvert Location	RIC-13-11.513	CFN	1810701	Prelim Cost Est	$135,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Replacement	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Select...	
Span	36	in	→	36	in
Rise	36	in	→	36	in
Length	75	ft	→	75	ft
Roadway Width		ft	→		ft

Comments: Replace conduit and clean out ditch

Culvert 4

Culvert Location	RIC-13-11.621	CFN	1810702	Prelim Cost Est	$3,000
Description of Work	*Clean or Remove Debris*				
				Cut Trees	No
Proposed Work	Clean or Remove Debri	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	No
		Hydraulic Analysis Req'd	No	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Not Applicable	
Culvert Shape	Circular		→	Select...	
Culvert Material	Plain or Reinforced Concrete		→	Select...	
Headwall Type			→	Select...	
Span	15	in	→		in
Rise	15	in	→		in
Length	50	ft	→		ft
Roadway Width		ft	→		ft

Comments: Clean out ditch

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Culvert 5

Culvert Location	RIC-13-11.624	CFN	1810703	Prelim Cost Est	$160,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	7	Year Built	Work Type	Replacement	
Culvert Shape	Circular	→		Circular	
Culvert Material	Plain or Reinforced Concrete	→		Reinforced Concrete Pipe	
Headwall Type		→		Select...	
Span	54 in	→		54	in
Rise	54 in	→		54	in
Length	66 ft	→		66	ft
Roadway Width	ft	→			ft

Comments: Replace CMP portion of conduit under the earthen dike. Clean out the culvert under the mainline and the outlet channel

Culvert 6

Culvert Location	RIC-13-11.806	CFN	1811937	Prelim Cost Est	$110,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Replacement	
Culvert Shape	Circular	→		Circular	
Culvert Material	Plain or Reinforced Concrete	→		Reinforced Concrete Pipe	
Headwall Type		→		Select...	
Span	15 in	→		15	in
Rise	15 in	→		15	in
Length	63 ft	→		63	ft
Roadway Width	ft	→			ft

Comments: Replace conduit due to RCP sections having longitudinal cracks

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Culvert 7

Culvert Location	RIC-13-12.125	CFN	1811941	Prelim Cost Est	$110,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Replacement	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Select...	
Span	15	in	→	15	in
Rise	15	in	→	15	in
Length	63	ft	→	63	ft
Roadway Width		ft	→		ft

Comments: Replace due to only having 2ft of cover. Conduit would be disturbed by proposed pavement work

Culvert 8

Culvert Location	RIC-13-12.220	CFN	1811942	Prelim Cost Est	$150,000
Description of Work	*Lining Conduit*				
				Cut Trees	Maybe
Proposed Work	Lining Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	6	Year Built	Work Type	Spray Liner	
Culvert Shape	Circular		→	Select...	
Culvert Material	Corrugated Metal - Pipe		→	Select...	
Headwall Type			→	Select...	
Span	48	in	→		in
Rise	48	in	→		in
Length	73	ft	→		ft
Roadway Width		ft	→		ft

Comments: Liner, spincast, or CIPP. Outlet channel requires dumped rock to control scour

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Culvert 9

Culvert Location	RIC-13-12.252	CFN	1811943	Prelim Cost Est	$110,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	7	Year Built	Work Type	Replacement	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Select...	
Span	15	in	→	15	in
Rise	15	in	→	15	in
Length	70	ft	→	70	ft
Roadway Width		ft	→		ft

Comments: Broken back pipe. Replace the CMP section from the guardrail to the outlet.

Culvert 10

Culvert Location	RIC-13-12.397	CFN	1811944	Prelim Cost Est	$5,000
Description of Work	*Erosion Prevention/Repair*				
				Cut Trees	No
Proposed Work	osion Prevention/Repa	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	No
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Select...	
Culvert Shape	Circular		→	Select...	
Culvert Material	Plain or Reinforced Concrete		→	Select...	
Headwall Type			→	Select...	
Span	30	in	→		in
Rise	30	in	→		in
Length	68	ft	→		ft
Roadway Width		ft	→		ft

Comments: Place dumped rock at the outlet to control scour

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Culvert 11

Culvert Location	RIC-13-12.418	CFN	1811945	Prelim Cost Est	$125,000
Description of Work	*Lining Conduit*				
				Cut Trees	Maybe
Proposed Work	Lining Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Spin Cast	
Culvert Shape	Circular		→	Select...	
Culvert Material	Plain or Reinforced Concrete		→	Select...	
Headwall Type			→	Select...	
Span	15	in	→		in
Rise	15	in	→		in
Length	65	ft	→		ft
Roadway Width		ft	→		ft

Comments: From the median catch basin to the outlet catch basin in SB lane, RCP has alignment issues and separations with infiltration. Recommend spincast or CIPP the RCP conduit. The plastic conduit is in good condition.

Culvert 12

Culvert Location	RIC-13-12.543	CFN	1811946	Prelim Cost Est	$125,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	6	Year Built	Work Type	Replacement	
Culvert Shape	Circular		→	Circular	
Culvert Material	Plain or Reinforced Concrete		→	Reinforced Concrete Pipe	
Headwall Type			→	Select...	
Span	20	in	→	20	in
Rise	20	in	→	20	in
Length	94	ft	→	94	ft
Roadway Width		ft	→		ft

Comments: Replace conduit due to only 2ft of cover. Conduit would be disturbed by pavement work.

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Culvert 13

Culvert Location	RIC-13-12.657	CFN	1811947	Prelim Cost Est	$135,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed
General Appraisal	5	Year Built	Work Type	Replacement
Culvert Shape	Circular	→		Circular
Culvert Material	Plain or Reinforced Concrete	→		Reinforced Concrete Pipe
Headwall Type		→		Half Height
Span	36 in	→		36 in
Rise	36 in	→		36 in
Length	64 ft	→		64 ft
Roadway Width	ft	→		ft

Comments: Replace, line, spincast the CMP portion under the earthen dike. Replace outlet half height headwall. Repair median catch basin

Culvert 14

Culvert Location	RIC-13-12.805	CFN	1811948	Prelim Cost Est	$130,000
Description of Work	*Replace Conduit*				
				Cut Trees	Maybe
Proposed Work	Replace Conduit	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	Yes
		Hydraulic Analysis Req'd	Yes	Drive Accom. Req'd	Yes

	Existing			Proposed
General Appraisal	5	Year Built	Work Type	Replacement
Culvert Shape	Circular	→		Circular
Culvert Material	Plain or Reinforced Concrete	→		Reinforced Concrete Pipe
Headwall Type		→		Select...
Span	30 in	→		30 in
Rise	30 in	→		30 in
Length	63 ft	→		63 ft
Roadway Width	ft	→		ft

Comments: Replace, line, spincast the CMP portion under the earthen dike. Plastic section in good condition. Repair / reseal the west side catch basin due to infiltration

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Culvert 15

Culvert Location	RIC-13-13.034	CFN	1811949	Prelim Cost Est	$60,000
Description of Work	*Spot Treatments*				
				Cut Trees	Maybe
Proposed Work	Spot Treatments	Floodplain Coord.	Dsgn Consultant	R/W Req'd	No
MOT Type	Select...	Utility Reloc. Req'd	No	Survey Req'd	No
		Hydraulic Analysis Req'd	No	Drive Accom. Req'd	Yes

	Existing			Proposed	
General Appraisal	5	Year Built	Work Type	Not Applicable	
Culvert Shape	Circular		→	Select...	
Culvert Material	Plain or Reinforced Concrete		→	Select...	
Headwall Type			→	Select...	
Span	15	in	→		in
Rise	15	in	→		in
Length	65	ft	→		ft
Roadway Width		ft	→		ft

Comments

Remoce and reset the last 4 sections of conduit at the outlet

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Drainage

1.2.C.G

Drainage

Underdrains are to be placed along entire segment of RIC-13. Based on the field review, there appears to be opportunities to outlet the underdrains along the route. The designer will verify this during the design phase.

Post construction BMPs will be required based on the proposed full depth pavement to be installed. Will verify with designer once treatment is given by C.O

Designer to evaluate existing ditches to verify that grading and flow is adequate for drainage.

See individual culvert project sheets for more detail on specific culvert repair / replacement.

The county voiced concerns with drainage in the southbound direction north of Hanley Rd. Repair / Replacement of this drainage culvert and basins shall be evaluated during design.

Geotechnical

1.2.C.B, 2.3.H.C, 2.5.E, 2.7.D-E, 3.3.K.A

Geotech Site 1 of 1

		R/W Required	No
CRS	RIC-13-11.01 to 14.40	Survey Required	Yes
Proposed Work	Pavement Replacement	Soil Borings Required	Yes
Geohazard Type		Utility Relocation Required	Maybe
MOT Type	TBD	Driveway Accomodation Required	Yes

Description of Work: *Soil borings required in order to prepare a proposed pavement design for the full depth pavement replacement along the entire route*

Comments: *OGE has completed soil borings. Final geotechnical report to be provided soon.*

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

Pavement Overview

2.3.B.A-J, 2.7.A.A-L, 3.3.A.A-J

Alignment: Use Existing — *2.3.B.C, 2.7.A.F, 3.3.A.E*

Explain:

Profile: Use Existing — *2.3.B.C, 2.7.A.F, 3.3.A.E*

Explain:

		Describe
2.3.B.H Driveway Accomodations	Yes	
Adjust Castings to Grade	Yes	

Pavement

2.7.G.C

Pavement Segment 1

CRS: RIC-SR13-(11.007-14.395)

MOT: Barrier

	Existing		Proposed			
Mainline Treatment Type	Asphalt	→	Same		Use Simplified Pav't Design	No
Shoulder Treatment Type	Paved	→	Same		Pav't Cores Required	Yes
Paved Shoulder Width	8' out / 4' in	→	Same	ft	Pav't Cores Taken	Yes
Lane Width	12	→	Same	ft	Survey Required	Yes
Cross Slope	Varies	→	0.0156	ft/ft	R/W Required	No
Proposed Grading Type					Curbs Present	Yes
Proposed Pav't Treatment			100 - New Flexible Pavement		Safety Edge	Yes

Comments:

Existing pavement build up includes an average of 9" Concrete under 5.5" Asphalt within the driving lanes. The existing build up incldues approximately 6.5" of asphalt on shoulders.

Following completion of the geotechnical report, C.O OPE will provide a proposed full depth asphalt build up. This scope will be updated at that time.

Establish superelevation within curves along route.

Curbs present at north end of project within the city of Mansfield.

The project will begin just to the south of the Hanley Rd intersection at an existing pavement joint. The project will end to the south of Raleigh Dr within the city of Mansfield at an existing pavement joint. Cook Rd and Main Street ramps to be included with this project as pavement replacement. Ramps will be full depth concrete. OPE will complete ramp pavement design as well

Barrier

Barrier 1 of 1

CRS: RIC-13-11.01 to 14.40 MOT Type: Barrier

Barrier Inside Face to Face Width: ft.

Desc.: Replace all guardrail along the segment and upgrade to MGS. Upgrade end terminals to Type E. BTAs at older bridge parapets will be evaluated to either rebuild bridge parapet or use MGS-4.3 Standard drawing for height adjustment. Hazards and slopes along route will be evaluated against current standards for guardrail warrants. Existing length of needs shall be evaluated and guardrail runs updated as necessary.

		Required?	
Speed Limit	50/55	R/W	No
Repl. Guardrail	Yes	Survey	Yes
Repl. End Term.	Yes	Soil Borings	No
Include BTAs	Yes	Utility Reloc.	No
Clearzone	Y/N...	Legislation	Yes

C.O OPE has recom
following pavement
1.25" Item 442 AC S
Type A (447)
1.75" Item 442 AC In
12.5mm, Type A (44
4" Item 301 AC Base
Item 320 Rubblize a

In areas near bridge
intersection with elev
constraints, the prop
as follows:
1.25" Item 442 AC S
Type A (447)
1.75" Item 442 AC In
12.5mm, Type A (44
4.5" Item 301 AC Ba
(449)
6" Item 304 Aggrega

Project Scope

PID	113325	Project Name	RIC SR 0013 11.01

Safety Crash Analysis

1.2.C.G, 1.3.B, 2.7.G.D, 2.1.A.D

Do the project limits include:

High priority (red) location(s)	No
Low priority (blue) location(s)	No
Crash pattern(s) of interest	No

Crash Analysis Years:	2017-2019
Fatal Crash Frequency	0
Total Crash Frequency	8.65
Injury Crash Frequency	2.36

Ranking

Crashes

From 2017-2019*, there were a total of 87 non-animal crashes along the segment: 23 injury (26%) and 64 PDO (74%) crashes. There were 37 rear end crashes, 15 fixed object, 15 sideswipe-passing, 11 angle, 4 left turn, 2 other object, 1 other non-collision, 1 right turn, and 1 backing crash. 60 (69%) crashes occurred on dry pavement, 15 (17%) on wet pavement, 8 (9%) on snow and 4 (5%) on ice. 6 crashes had drug or alcohol involvement. 25 (19%) crashes occurred between 3 PM and 5 PM.
Of the 87 total crashes: 36 were related to the Hanley Road intersection, 12 to the I-71 SB ramp terminal intersection, 9 to the Straub Road intersection, and 30 crashes were segment related.

*2017-2021 crash data was reviewed, and 2020 and 2021 were removed due to lower crash frequency than usual (possible COVID impacts).

Countermeasures

No safety countermeasures are recommended. Traffic control changes at Strub Road intersection are currently being evaluated and considered.

Only Applicable if (A) is YES

The project location does not have a documented safety priority or crash pattern.	X
The High Priority SIP Map location(s) are addressed by this project with the above proposed counter measures.	-
The countermeasures necessary to address the High Priority SIP Map locations are not practical and/or cost effective. Describe why the countermeasures are not practical and/or cost effective (may include but not limited to financial, R/W, env., etc.) in the box below.	-
Supplemental safety funding was requested and denied to implement the proposed countermeasures with the project.	-
It is not practical to implement the proposed countermeasures with this project. The safety countermeasures have been given to the DSRT for follow-up as a potential standalone project.	-
This project is an ODOT Let Local Project. It is not practical to implement the potential countermeasures into the project. The local agency has been made aware of the possibility to request funding for a separate safety project.	-
This project is an ODOT Let Local Project. The local agency declined to implement proposed safety countermeasures.	-

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

Traffic Control

1.2.C.E, 2.3.E.C-D, 2.7.A.P, 2.7.G.F, 2.7.K, 3.3.D.A-C, 4.2.B.A-E

Striping / Rumbles

Long Line Pavement Marking Type	Recessed Wet Reflective	Lane Separator	No
Auxiliary Pavement Marking Type	Thermoplastic	Delineators	Yes
Bridge Deck Marking Type	Epoxy	Replace RPMs	Yes
Edge Line Rumble Stripes	No	Blue RPMs for Fire Hydrants	Yes
Rumble Strips	Yes	Permanent Traffic Count Station	No
Centerline Rumble Stripes	No	Air Speed Zone Markings	No
Transverse Rumble Strips	No	Loop Detectors	No

Comments

Delineators are currently installed along route behind guardrail. Designer to evaluate need to re-install delineators along segment
Check with Mansfield about R-WR markings in city - Bob Bianchi indicated R-WR markings are ok within city limits.

Blue RPMs within city of Mansfield portion of project on north end.

No existing loop detectors at intersections within project limits.

Signage along route to be replaced with project. Multiple guide signs still on wood posts. Overhead sign at north end of project to be replaced

No signal work included with project per Bob Bianchi email

Standard rumble strip offset for 8' shoulders to be used

Maintenance of Traffic (MOT)

2.7.J.A-D, 3.3.B.F, 3.3.C, 3.3.E

MOT Item 1 of 11

MOT Type	Barrier	Feature	Pavement Replacement	Coordination Needed	Yes
CRS	RIC-13-11.01 to 14.40	Duration	(Days)	Municipality	Mansfield
				Work Zone Speed Zone	Yes
Disincentive	Road Closure	$5,000/day	(Amt.)	Permitted Lane Closure	Yes
MOT Exception	No		(Desc.)	LEO No. of Hours	1000

Conflict	Description	Route	Dates to Avoid

Comments

Use barrier to maintain one lane of traffic in each direction along SR 13 through the length of the project. Approximately 7' of temporary pavement will be necessary to add to both inside shoulders to have adequate width for MOT purposes. Construct outside lanes and shoulders first, maintaining traffic on inside lanes and shoulders. Construct inside lanes and shoulders second while maintaining traffic on outside lanes and shoulders.
Hanley Rd Intersection: maintain at least 1 lane in each direction at all times on Hanley Rd and SR 13. Maintain left turn lanes on SR 13 at Hanley Rd. Signal heads will have to be adjusted per phase configurations.
The hourly disincentive for holiday note (which only applies to this project for pre-phase and post-phase work like installing temporary pavement, final surface course, final pavement marking, etc.) is $60/hr. Disincentive for interim completion by fall of year 1 or 2 (whatever date that is) should be $5,000/day

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

MOT Item 2 of 11

MOT Type	Detour	Feature	IR 71 SB to SR 13 Ramp		Coordination Needed	Yes	
CRS	RIC-13 @ IR 71	Duration	14	(Days)	Municipality	Mansfield	
					Work Zone Speed Zone	Yes	
Disincentive	Lane Closure	$10,000/Day		(Amt.)	Permitted Lane Closure	No	
MOT Exception	No			(Desc.)	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for IR 71 SB to SR 13: Continue IR 71 SB, flip at SR 97. Only closed in phase 1. Maintain the turning movements from IR 71 south to SR 13 except for a 14-day period in each phase (year) when the ramp can be closed (fully in year 1 - outside construction, closed to southbound in year 2 - inside construction). Signal heads will have to be adjusted/covered per phase configurations

MOT Item 3 of 11

MOT Type	Detour	Feature	IR 71 SB to SR 13 SB Ramp		Coordination Needed	Yes	
CRS	RIC-13 @ IR 71	Duration	14	(Days)	Municipality	Mansfield	
					Work Zone Speed Zone	Yes	
Disincentive	Detour	$6,000/Day		(Amt.)	Permitted Lane Closure	No	
MOT Exception	No			(Desc.)	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for IR 71 SB to SR 13 SB: SR 13 north, flip at Cook Rd. Only closed in phase 2. Maintain the turning movements from IR 71 south to SR 13 except for a 14-day period in each phase (year) when the ramp can be closed (fully in year 1 - outside construction, closed to southbound in year 2 - inside construction). Signal heads will have to be adjusted/covered per phase configurations

MOT Item 4 of 11

MOT Type	Detour	Feature	Straub Rd		Coordination Needed	Yes	
CRS	RIC-13 @ Straub	Duration	60	(Days)	Municipality	Mansfield, Washington twp., Richland Co.	
					Work Zone Speed Zone	No	
Disincentive	Detour	$1,500/Day		(Amt.)	Permitted Lane Closure	No	
MOT Exception	No			(Desc.)	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for Straub Rd: Main St south to Hanley Rd east to Woodville Rd north. 30 day closure for each phase, total 60 days closed. Maintain the left turn lanes on SR 13 at Straub Rd and maintain all turning movements at the intersection except for 30 days per year when the intersection will be detoured for full-depth pavement replacement. In year 2 (inside phase), this will occur first thing so that left turn lanes can be opened when the intersection is opened

Project Scope

PID 113325 | Project Name RIC SR 0013 11.01

MOT Item 5 of 11

MOT Type	Detour	Feature	RIC-13 NB @ Straub Rd West			Coordination Needed	Yes
CRS	RIC-13 @ Straub Rd	Duration	60	(Days)		Municipality	Mansfield
						Work Zone Speed Zone	Yes
Disincentive	None			(Amt.)		Permitted Lane Closure	No
MOT Exception	No			(Desc.)		LEO No. of Hours	

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for SR 13 NB to Straub Rd West: SR 13 north to Cook Rd west to Main St south. 30 day closure for each phase, total 60 days closed

MOT Item 6 of 11

MOT Type	Detour	Feature	RIC-13 SB @ Straub Rd East			Coordination Needed	Yes
CRS	RIC-13 @ Straub Rd	Duration	60	(Days)		Municipality	Mansfield, Washington twp., Richland Co.
						Work Zone Speed Zone	Yes
Disincentive	None			(Amt.)		Permitted Lane Closure	No
MOT Exception	No			(Desc.)		LEO No. of Hours	

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for SR 13 SB to Straub Rd East: SR 13 south to Hanley Rd east to Woodville Rd north. 30 day closure for each phase, total 60 days closed

MOT Item 7 of 11

MOT Type	Detour	Feature	RIC-13 NB to Cook Rd Ramp			Coordination Needed	Yes
CRS	RIC-13 @ Cook Rd	Duration	60	(Days)		Municipality	Mansfield
						Work Zone Speed Zone	Yes
Disincentive	Detour	$6,000/Day		(Amt.)		Permitted Lane Closure	No
MOT Exception	No			(Desc.)		LEO No. of Hours	

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for SR 13 NB to Cook Rd Ramp: SR 13 north to First St west to Diamond St south to Woodville Rd south. Only closed in phase 1

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

MOT Item 8 of 11

MOT Type	Detour	Feature	Cook Rd to SR 13 SB Ramp		Coordination Needed	Yes	
CRS	RIC-13 @ Cook Rd	Duration	60	*(Days)*	Municipality	Mansfield, Richland Co.	
					Work Zone Speed Zone	No	
Disincentive	Detour	$1,000/Day		*(Amt.)*	Permitted Lane Closure	No	
MOT Exception	No			*(Desc.)*	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for Cook Rd to SR 13 SB Ramp: Main St south to Hanley Rd east. Only closed in phase 1

MOT Item 9 of 11

MOT Type	Detour	Feature	Main St to SR 13 NB		Coordination Needed	Yes	
CRS	RIC-13 @ Main St	Duration	60	*(Days)*	Municipality	Mansfield	
					Work Zone Speed Zone	No	
Disincentive	Lane Closure	$1,500/Day		*(Amt.)*	Permitted Lane Closure	No	
MOT Exception	No			*(Desc.)*	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for Main St to SR 13 NB: Cook Rd west to US 42 north. Only closed in phase 1

MOT Item 10 of 11

MOT Type	Detour	Feature	SR 13 SB to Main St		Coordination Needed	Yes	
CRS	RIC-13 @ Main St	Duration	60	*(Days)*	Municipality	Mansfield, Richland Co.	
					Work Zone Speed Zone	Yes	
Disincentive	Detour	$6,000/Day		*(Amt.)*	Permitted Lane Closure	No	
MOT Exception	No			*(Desc.)*	LEO No. of Hours		

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for SR 13 SB to Main St: SR 13 south to Hanley Rd east. Only closed in phase 1

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

MOT Item 11 of 11

MOT Type	Detour	Feature	Chilton Ave	Coordination Needed	Yes
CRS	RIC-13 @ Chilton Ave	Duration	420 (Days)	Municipality	Mansfield
				Work Zone Speed Zone	No
Disincentive	None		(Amt.)	Permitted Lane Closure	No
MOT Exception	No		(Desc.)	LEO No. of Hours	

Conflict	Description	Route	Dates to Avoid

Comments: Use following detour for Chilton Ave to SR 13: Marquis Ave north to Raleigh Ave east. Closed 210 days in total (full length of construction)

Design Designation

Opening Year: 2025 | *Design Year:* 2045

CRS	Speed Limit	Opening ADT	Design ADT	DHV	% K	% D	% T24	% TD	Traffic Forecast
RIC-13-11.01 to 13.670	50/55	11000	12000	1,400	12	55	5	3	Simplified
RIC-13-13.670 to 14.162	55	7300	7700	750	10	56	6	4	Simplified
RIC-13-14.162 to 14.40	35	9400	10000	1,000	10	54	5	3	Simplified

Project Classification

CRS	Federal Aid System	Functional Classification	Urbanized Area
RIC-13-11.01 to 11.135	NHS Non-Interstate	Principal Arterial	Mansfield
RIC-13-11.135 to 14.382	NHS Non-Interstate	Freeways and Expressways	Mansfield
RIC-13-14.382 to 14.40	NHS Non-Interstate	Principal Arterial	Mansfield

Project Scope

PID 113325 | Project Name RIC SR 0013 11.01

Environmental

Environ. Category	Code	Responsibility
C2	I	*In-House*
	T	*OES Task Order*
Environmental PM	C	*Consultant Services*
ROSTOFER, DONALD E	-	*Not Applicable*

		RIC-13									
Cultural	Section 106 - Scoping Request Form (*) *2.2.B*	I	...	...	...	...	...	...	...	...	...
	Phase 1 Hist./Arch. Survey Rpt. (If Auth.) *2.2.I, 3.7.A*	...	...	...	...	...	...	...	...	...	...
	Phase 1 Arch. Survey Report (If Auth.) 3.1.A.B, 3.7.A	...	...	...	...	...	...	...	...	...	...
Forms	Determination Request Form	...	...	...	...	...	...	...	...	...	...
	Individual Section 4(f) Eval. *2.2.F, 3.1.C*	...	...	...	...	...	...	...	...	...	...
	Section 6(f) Documentation	...	...	...	...	...	...	...	...	...	...
Ecology	Ecological Exempt Form (*) *2.2.C*	...	...	...	...	...	...	...	...	...	...
	Level 1 Ecological Survey Reports	I	...	...	...	...	...	...	...	...	...
	UNIONID Mussel Survey Report *3.1.Q*	...	...	...	...	...	...	...	...	...	...
	Sole Source Aquifer Coordination	...	...	...	...	...	...	...	...	...	...
	Farmland Conversion Impact Rating Form *3.1.E*	...	...	...	...	...	...	...	...	...	...
Waterway Permits	Permit Determination Request Package 3.1.M.A-B	I	...	...	...	...	...	...	...	...	...
	Concp. Stream/Wetland Mitg. Rpts. *3.1.N, 3.7.B-D*	...	...	...	...	...	...	...	...	...	...
	Section 404/401 Applications	...	...	...	...	...	...	...	...	...	...
	USACE Pre-Constr. Notification (PCN) Applications	...	...	...	...	...	...	...	...	...	...
	Ohio EPA Isol. Wetland Permit Pre-Act. Notif. (PAN)	...	...	...	...	...	...	...	...	...	...
	Coastguard Section 9 Application	...	...	...	...	...	...	...	...	...	...
	ACOE Section 10 Permit	...	...	...	...	...	...	...	...	...	...
	Floodplain Permit Application	...	...	...	...	...	...	...	...	...	...
	Floodplain Coordination	I	...	...	...	...	...	...	...	...	...
	Coastal Waterway Permit	...	...	...	...	...	...	...	...	...	...
Site	Regulated Mat. Review (RMR) (*) *2.2.D, 3.1.D, 3.1.O*	I	...	...	...	...	...	...	...	...	...
	Phase 1 Env. Site Assess. Rpt. (If Auth.) *2.2.I, 3.7.A*	...	...	...	...	...	...	...	...	...	...
	Asbestos Survey/Inspection	...	...	...	...	...	...	...	...	...	...
Air	Ozone Analysis *3.1.P*	...	...	...	...	...	...	...	...	...	...
	MSAT Analysis	...	...	...	...	...	...	...	...	...	...
	PM 2.5 Analysis	...	...	...	...	...	...	...	...	...	...
Noise	Traffic Noise Analysis Report *2.2.G*	...	...	...	...	...	...	...	...	...	...
	Noise Barrier Public Involvement Summary *2.2.H*	...	...	...	...	...	...	...	...	...	...
Public	Public Involvement Plan *1.4.A, 2.1.A.J*	...	...	...	...	...	...	...	...	...	...
	Public Meeting Activities *2.6.A*	...	...	...	...	...	...	...	...	...	...
	Public Announce. (webpage, article, news release)	I	...	...	...	...	...	...	...	...	...
	Underserved Population Outreach *2.2.E, 3.1.G*	...	...	...	...	...	...	...	...	...	...

Any Known Env. Concerns *(ex. historic properties on Nat. Reg., wetlands, underground storage tanks, stream reloc.)*

The project may involve culvert replacement/repairs that will result in the need for stream assessments, wetland delineations and tree cutting.

Project Scope

PID 113325 | Project Name RIC SR 0013 11.01

Survey

2.3.A, 3.4.C.D

Survey Site 1 of 1

CRS RIC-13-11.01 to 14.40 | Asset Type Pavement Replacement | Surveyor ODOT

			Count		Responsibility
Monumentation	Type 'A' Control Monument	2.3.A.A.1		Monuments	Select...
	Type 'B' Control Monument	2.3.A.A.2		Monuments	Select...
	Mon. Recovery for Existing CL and R/W	2.3.A.B.1		Miles	Select...
	Monument Recovery for Property Lines	2.3.A.B.2		Owners	Select...
	Stake/Flag R/W for Acquisition	-		Owners	Select...
	Pin New R/W Following Construction	3.4.C.D		Owners	Select...
Mapping	Base Mapping (and Field Verify)	2.3.A.C		Tenths of a Mile	Select...
	Est. Prop. Lines, Tax ID, Owners on Map	2.3.A.F		Owners	Select...
	Property Owner Notification	2.3.A.G		Owners	Select...
	Soil Boring Staking	-		Borings	Select...
Topo	Intersects: Select...	2.3.A.E		Tenths of a Mile	Select...
			Length / Width		
	Topo for: Select...	2.3.A.D		Tenths of a Mile	Select...

Comments

Survey control and aerial mapping completed by D03 survey. Mapping flown, data not processed

Utilities

1.2.C.B, 2.3.G.A-B, 2.4.C, 2.7.C.A-D, 2.7.H.C, 3.3.J.A-D, 3.8.C, 4.3.D

Utilities 1 of 1

Location: RIC-13-11.01 to 14.40

Asset:

	Name of Utility	Location/Description	Buried	Aerial	SUE Needed?	R/W Needed?
Power	Ohio Edison Company		. . .	Yes	. . .	No
Power	Lumen		Yes	Yes	. . .	No
Power	Ohio Edison Transmission		. . .	Yes	. . .	No
Gas	Columbia Gas of Ohio		Yes	. . .	Maybe	No
Water	City of Mansfield		Yes	. . .	Maybe	No
Comm.	Charter Communications		Yes	Yes	. . .	No
Comm.	Everstream		. . .	Yes	. . .	No

Comments: *Avoid all utility relocations within project limits. No R/W anticipated to be included with this project for relocations. SUE if we replace or extend culverts*

Project Scope

PID	113325	Project Name	RIC SR 0013 11.01

Coordination

Coord.

2.7.G.A, 4.2.D.B FAA	Yes	*2.3.E.C, 2.3.H.F, 2.7.F.C, 2.7.G.E, 3.1.L, 4.2.D.A* Railroad	No
Detour	Yes	Floodplain	Yes
		Bike Route or Trail within Project Limits	No

Comments: Consent Legislation and detour coordination needed for the city of Mansfield

Project Schedule

	Date		Date
Field Review Date	2/15/2022	Stage 2 Plans - Complete	-
Initial Scope Meeting Date	2/17/2022	Preliminary R/W Plans - Submit	-
Initial Project Scope Complete	3/15/2022	Final R/W Plans - Submit	-
Programmatic Date	-	R/W Authorized	-
Feasibilty Study Complete	-	Stage 3 Plans - Complete	-
Preferred Alternative Approval	-	**Environmental Doc. Approved**	8/1/2023
Feasibilty Study Approved	-	**District R/W Certification**	-
Survey Deliverables Complete	-	R/W Acquisition Complete	-
Begin In-House Detailed Design	-	Tracings Complete	-
Preliminary Engineering Study - Submit	-		
NEPA Start Date	-	**Plan Package Received in C.O.**	2/23/2024
Authorized Design Consultant	-	**Sale Date**	7/1/2024
Stage 1 Plans - Complete	-	**Award Date**	7/1/2024
Waterway Permit Determination - Submit	-	**Estimated Begin Construction**	3/24/2025
404/401 Permits	-	**Estimated End Construction**	8/31/2026

Comments *It is recommended that this project remain a design-build contract in order to meet the file, sale and award dates currently proposed.*

Project Scope

PID 113325 | Project Name: RIC SR 0013 11.01

Funding *1.1.A, 1.5.B, 2.4.A-B, 2.7.H.A-C, 3.8.A-C, 4.3.A-D*

Split / Priority	Name	Plan Split Code	Funding Source Source 1 %	Funding Source Source 1 Fund	Funding Source Source 2 %	Funding Source Source 2 Fund	Cost
1 / 1	CO CO Contr 01	01/NHS/PV	20	4RA7	80	4RC7	$21,000,000.00
Descr:	*4R Maintenance - Resurfacing*						
2 / 1	CO CO Contr 02	01/NHS/PV	20	4PS7	80	4PF7	$3,900,000.00
Descr:	*4R Maintenance - Resurfacing*						

Preliminary Engineering Estimate	
Detailed Design Estimate	$2,900,000.00
Construction Estimate	$24,900,000.00

Project Scope

PID	113325	Project Name	RIC SR 0013 11.01

Narrative

Document the decision process here. Why were certain treatments chosen? What was left out and why?

This project was originally programmed and scoped as a minor rehab in 2019 under PID 87690. It was then chosen as a major rehab candidate and awarded funding as a major rehab to be a complete pavement replacement. PID 87690 was then changed to be a reactive maintenance project and was completed in CY 2021 in order to hold the pavement over until the major rehab could be completed.

The existing composite pavement will be removed full depth and replaced with a full depth flexible build up. No ROW is anticipated with this project. OPE may change the design from a full depth asphalt replacement to a rubblize and roll or a concrete pavement. OPE will perform a life cycle cost analysis as part of the final pavement design.

C.O pavement design will be completed following the final geotechnical report by OGE.

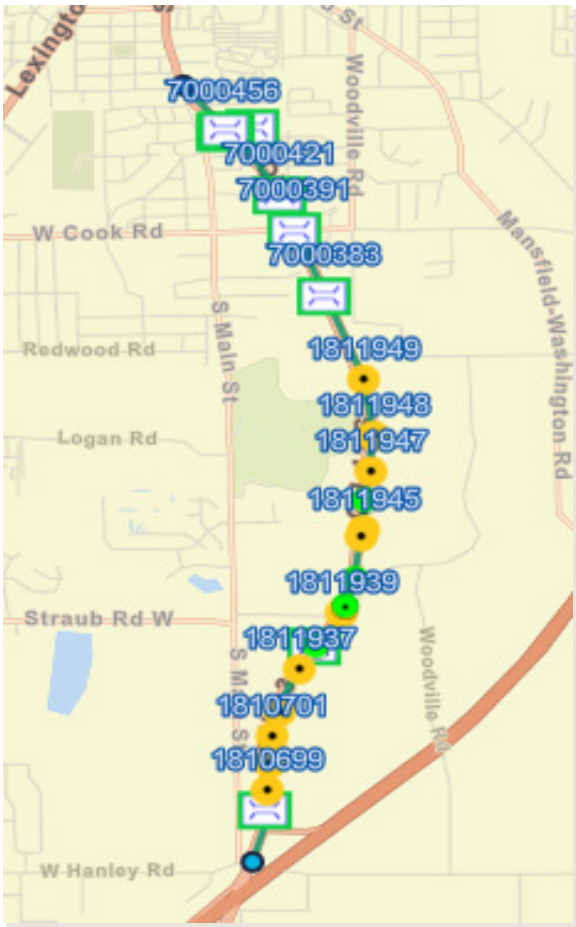
This is currently a design build project. Central Office is evaluating whether this project will be a design bid build project and we should know soon. We are preparing the scope now in case it becomes a design bid build project and this will then be put on the May 2022 Programmatic for consultant design.

Project Scope

PID	113325	Project Name	RIC SR 0013 11.01

Map

See the project overview map below.



Project Scope

PID 113325 | Project Name RIC SR 0013 11.01

Signatures and Attendance				Approval		Field Visit	Scope Meeting	
		Signature	Date	Approve	Disapprove	2/15/2022	2/17/2022	3/7/2022
Work Plan Coord.	Mike Schafrath	Mike Schafrath	03/21/2022	X		-	X	X
ELLIS Coordinator	Jerry Schlett	Jerry Schlett	03/22/2022	X		-	-	-
Environmental PM	Donald E Rostofer					-	X	X
Bridge Engineer	Kent Kapustar	Kent A Kapustar	3/21/22	X		-	X	X
Planning Engineer	Leslie Farley	Leslie Farley	3/21/22			-	-	X
Design PM	Joseph N Clark	JOSEPH N CLARK	3/29/2022	X		X	X	X
Roadway Engineer	Charlie Laughrey	Charlie Laughrey	03/22/22	x		-	X	X
Traffic Engineer	Julie Cichello	Julie Cichello	3/29/2022	X		-	X	-
Survey Op. Mgr.	Scott Hawkins	Scott Hawkins	03/28/2022	x		-	X	-
Utility Coordinator	John Schafrath	John Schafrath	3-21-22	X		-	X	-
Real Estate Admin.	Brad Corder					-	X	-
Design Engineer	Dustin Vousden	Dustin J. Vousden	03/22/2022	X		-	X	X
Constr. Area Eng.	Edward W Yetzer	Ed Yetzer	3/28/22	X		-	X	X
Constr. Engineer	Mike Fair	Mike Fair	03/21/2022	X		-	-	-
Cap. Prog. Admin.	Matt Walter	Matt Walter	3/22/2022	X		-	-	-
Rdwy. Serv. Mgr.	Kimberly Conklin					-	X	X
Hwy. Mgt. Admin.	Tim Farley	Tim Farley	03/21/2022	X		-	-	-
County Manager	Chris Kocher	Chris Kocher	3/21/2022	X		X	-	X
Attendee	Cody Fitzwater	N/A	N/A	N/A	N/A	X	-	-
Attendee	Keith Blough	N/A	N/A	N/A	N/A	X	X	-
Attendee	Scott Ockunzzi	N/A	N/A	N/A	N/A	-	X	X
Attendee	Adam Mellen	N/A	N/A	N/A	N/A	-	X	X
Attendee	Mark Strohm	N/A	N/A	N/A	N/A	X	X	X