

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope

PID **122566** Project Name **LOR Race Rd RCE**

Project Overview

Scope Project Mgr.	Scott Ockunzzi	Initial Scope Meeting	2/27/2025
Design Project Mgr.	Adam C Mellen	Scope Version	Original
In-House Designer(s)	PITCHER, SHELLEY K	Letting Type	ODOT Let
Environmental Mgr.	Donald E Rostofer	Contract Type	Standard Build
Design Responsibility	Consultants	PDP Path	Path 3
Design Team	TEAM 3	File Date	4/1/2030
Primary Work Cat.	Railroad Grade Separation	Federal Project Number	TBD
Project Termini	Race Rd from Sugar Ridge Rd to the Ohio Turnpike and Maddock Rd at NSRR.	County	Lorain
		City/Village	North Ridgeville
		Environmental Doc Type	D1
		CFR 940 ITS Project	N/A

Existing Plans To be provided by City of North Ridgeville

Project Description
 Railroad crossing elimination at NSRR and Race Rd and Maddock Rd. Construct a railroad grade separation at Race Rd and cul-de-sac Maddock Rd. Race Rd relocation and connection to Sugar Ridge Rd & Waterbury Blvd to be analyzed.
 The first step in developing this project is to perform a Feasibility Study per ODOT guidelines to determine the feasible alternatives and move an alternative forward further into project development.

Purpose & Need
 The purpose of the Project is to improve connectivity and safety within the City of North Ridgeville via the closure of two at-grade crossings and construction of a grade separation. The Race Road crossing will be replaced with an overpass, and the Maddock Road at-grade crossing will be closed. These two crossings are the only crossings of the Norfolk Southern (“NS”) Chicago Line between Ohio State Route 83 on the east and US Route 20 on the west, approximately 3 miles.
 Daily train traffic in the area is significant. The line is owned by NS and sees daily traffic of over 80 freight trains through the three tracks that traverse the crossing. An additional 4 daily Amtrak trains also use the crossing (Capitol Limited and Lake Shore Limited).
 A secondary element is to evaluate connectivity for bicyclists and pedestrians through the project area per the City of North Ridgeville's active transportation plan.

Action Items	Complete?
City of North Ridgeville to provide existing plans and utility information	<input type="checkbox"/>
	<input type="checkbox"/>

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Bridge

Bridge 1	Bridge Location	Race Rd	Preliminary Cost Estimate		
	Treatment Types	New Structure			
	<i>Comment</i>				
	Alignment	Modify	TBD Feasibility Study	Curb Present	Maybe
	Profile	Modify	TBD Feasibility Study	R/W Req'd	Yes
	Floodplain Coord.	Dsgn Consultant		Survey Req'd	Yes
	OHWM Determ.	Dsgn Consultant		Soil Borings Req'd	Yes
	MOT Type	Detour		Utility Relocation Req'd	Yes
				Hydraulic Analysis Req'd	Yes
		Existing		Structure Type Study Req'd	Yes
General Appraisal*	N/A		Driveway Accomodations Req'd	Yes	
Sufficiency Rating	N/A		Addendum Sheet for Structure	Maybe	
Year Built	N/A		Eligible for National Historic Register	No	
Structure Type*	N/A		Proposed		
Structure File No.*	N/A	→	TBD		
Feature Intersected	N/A	→	NSRR		
Design Loading	N/A	→	HL-93+ 60psf FWS		
Number of Spans	N/A	→	Consultant to Determine		
Out↔Out Width*	N/A	ft →	BDM Criteria	ft	
Bridge Railing Type	N/A	→	BDM Criteria		
Curb↔Curb Width	N/A	ft →	BDM Criteria	ft	
Overall Length	N/A	ft →	Consultant to Determine		
Approach Slab Len	N/A	ft	Consultant to Determine		
Vertical Clearance	N/A	ft →	Per RR Requirements		
Horiz. Clearance	N/A	ft →	TBD		
Wearing Surf Type	N/A	→	Concrete		
Wearing Surf Thick	N/A	in →	1" Monolithic		

Proposed Bridge Work (What & Why)

Construct a new structure for a railroad grade separation on Race Rd. Conduct a structure type study as part of a feasibility study to determine the optimal structure vertical alignment for overpass, horizontal alignment (straight/curved), structure type (rolled beams, plate girders, concrete beams, etc.), number of spans, and all other details. Need for crash wall to be analyzed.

The 2024 planning study for this project demonstrated that the overpass options were much more cost-effective due to not needing a new railroad bridge, shooflies for maintaining rail traffic, or a pump station.

Foundation type (piling, drilled shafts, etc.) to be analyzed as part of feasibility study. Provide temporary and permanent horizontal and vertical clearances per the Norfolk Southern Public Project Manuals. Determine if vandal protection fence is required in consultation with railroad and considering proposed shared use path. Bridge and approach will need to facilitate a multi-use path on the east side of the structure.

Part of the feasibility study will consist of a structure type study which includes evaluating cost and access requirements - retaining walls vs. no retaining walls/more RW acquisition and optional access bridge vs. no access bridge

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Roundabouts

Roundabout 1 of 1

CRS	LOR-MR4334-1.81	Roundabout Type	Single Lane
MOT Type	Detour		
Design Vehicle Type	Per L&D	Center Island Landscaping	With Project
R/W Req'd	Yes	Right Turn Slip Lane	No
Survey Req'd	Yes	Truck Apron	Interior
Soil Borings Req'd	Yes	Outside Curbing	Curb & Gutter
Utility Relocation Req'd	Yes	Approach Pavement	Asphalt & Concrete
Driveway Accom. Req'd	Yes	Grading	Common
Lighting	Yes	Drainage	Enclosed
Bicycles	Yes	Traffic Forecast Type	Cert Traf
Pedestrian Accomodations	Yes	Circulating Lanes Configuration	1
Major Road Approach Lanes	1		
Minor Road Approach Lanes	1		

The feasibility study and Railroad Crossing Elimination application identified that the City of North Ridgeville desires to have Race Rd realigned to the east to terminate into Sugar Ridge Rd (MR 4334) at Waterbury Blvd as a single lane roundabout. Approach pavement to be asphalt except the south (Waterbury) leg will be concrete. Also see ODOT District 3 Roundabout Preferences.

This alternative will be analyzed as part of the feasibility study.

Comments



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Pavement Overview

Alignment

Modify

Explain

The City of North Ridgeville desires to make the following alignment changes as part of this project:

- Race Rd: Starting at the NSRR tracks, realign Race Rd such that it goes east and intersects Sugar Ridge Rd at Waterbury Blvd. Cul-de-sac existing Race Rd starting at Sugar Ridge Rd just south of realigned Beckett Pkwy.
- Beckett Pkwy: Extend Beckett Pkwy to intersect realigned Race Rd east of its current intersection with existing Race Rd.



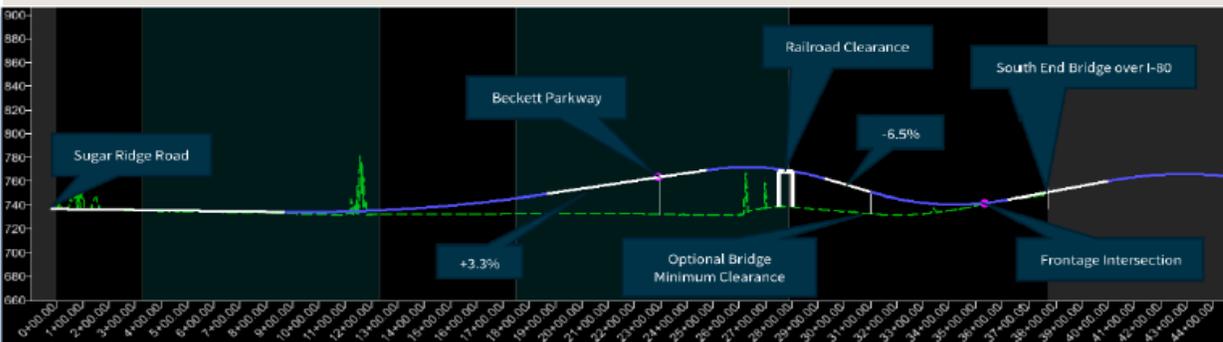
These alignments will be analyzed as part of the feasibility study. Also analyze Race Rd overpass on existing alignment and tie-in to Sugar Ridge Rd as part of feasibility study. Ensure that SSD and ISD are adequate for all roadway segments and intersections

Profile

Modify

Explain

Adjust vertical profile as needed to construct railroad grade separation and appropriate tie-ins. Design to meet L&D standards.



Describe

Driveway Accomodations	Yes	Existing drives to be tied in or new access provided
Adjust Castings to Grade	Yes	Where possible

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Pavement

Pavement Segment 1	CRS	Race Rd			Vibratory Roller Permitted	Yes
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No
		Mainline Treatment Type	Asphalt	→ Asphalt	Pav't Cores Required	Yes
		Shoulder Treatment Type	Asphalt	→ Asphalt	Pav't Cores Taken	No
		Paved Shoulder Width	1	→ L&D ft	Survey Required	Yes
		Verify Proposed Lane Width	11	→ L&D ft	R/W Required	Yes
		Edge Line Location	On EOS	→ L&D	Curbs Present	Maybe
		Cross Slope		→ L&D ft/ft	Safety Edge	No
		Proposed Grading Type	Common/Barrier			Y/N...
		No. of Days Traffic can run on Milled Surface	N/A days			Y/N...
		Proposed Pav't Treatment	100 - New Asphalt Pavement			
		Comments	Pavement widths and design to be evaluated by consultant. In elevated sections, consultant to determine most feasible/cost-effective use of common grading vs. barrier grading to balance construction costs and minimizing impacts. Pavement cores recommended on existing roadways to confirm existing pavement buildups.			

Pavement Segment 2	CRS	Beckett Pkwy			Vibratory Roller Permitted	Yes
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No
		Mainline Treatment Type	Concrete	→ Concrete	Pav't Cores Required	Yes
		Shoulder Treatment Type	C&G	→ C&G	Pav't Cores Taken	No
		Paved Shoulder Width	N/A	→ N/A ft	Survey Required	Yes
		Lane Width	18	→ L&D ft	R/W Required	Yes
		Cross Slope		→ L&D ft/ft	Curbs Present	Maybe
		Proposed Grading Type	Common/Barrier		Safety Edge	No
		Proposed Pav't Treatment	110 - New Concrete Pavement			
		Comments	Access has to be maintained to Beckett Pkwy via Race Rd if no connection made to the west side of Beckett Pkwy			

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Pavement Segment 3	Project Scope	PID	122566		Project Name	LOR Race Rd RCE		
	CRS	Sugar Ridge Rd			Vibratory Roller Permitted	Yes		
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No		
		Mainline Treatment Type	Asphalt	→ Asphalt	Pav't Cores Required	Yes		
		Shoulder Treatment Type	Asphalt	→ C&G	Pav't Cores Taken	No		
		Paved Shoulder Width	1	→ L&D	ft	Survey Required	Yes	
		Lane Width	10	→ L&D	ft	R/W Required	Yes	
		Cross Slope		→ L&D	ft/ft	Curbs Present	Yes	
		Proposed Grading Type	Common		Safety Edge	No		
		Proposed Pav't Treatment	100 - New Asphalt Pavement					
		Comments	Replace pavement in roundabout area.					

Pavement Segment 4	CRS	Waterbury Blvd			Vibratory Roller Permitted	Yes		
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No		
		Mainline Treatment Type	Concrete	→ Concrete	Pav't Cores Required	Yes		
		Shoulder Treatment Type	C&G	→ C&G	Pav't Cores Taken	No		
		Paved Shoulder Width	N/A	→ N/A	ft	Survey Required	Yes	
		Lane Width	12	→ L&D	ft	R/W Required	Yes	
		Cross Slope		→ L&D	ft/ft	Curbs Present	Yes	
		Proposed Grading Type	Common		Safety Edge	No		
		Proposed Pav't Treatment	110 - New Concrete Pavement					
		Comments	Replace pavement in roundabout area.					

Pavement Segment 5	CRS	Maddock Rd			Vibratory Roller Permitted	Yes		
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No		
		Mainline Treatment Type	Asphalt	→ Asphalt	Pav't Cores Required	Yes		
		Shoulder Treatment Type	Asphalt	→ Asphalt	Pav't Cores Taken	No		
		Paved Shoulder Width	1	→ L&D	ft	Survey Required	Yes	
		Lane Width	10	→ L&D	ft	R/W Required	Yes	
		Cross Slope		→	ft/ft	Curbs Present	Yes	
		Proposed Grading Type	Common/Barrier		Safety Edge	No		
		Proposed Pav't Treatment	100 - New Asphalt Pavement					
		Comments	Pavement removal and cul-de-sac construction on Maddock Rd for RR crossing removal. Coordinate actual crossing removal with NSRR					
			Consultant to analyze re-grading removed portion of Maddock Rd between cul-de-sacs as well as putting a partial cul-de-sac on the north side of NSRR for city vehicle turn-around.					

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Drainage

Drainage

Replace existing drainage and construct new drainage/culverts as necessary per final roadway alignments as identified in feasibility study.

The culvert under Maddock Rd just south of NSRR is to remain in-place.

Any slope steeper than 3:1 will have Item 670 Slope Erosion Protection mat, type/size TBD by consultant.

Follow City of North Ridgeville drainage standards and drawings.

Barrier

Required?

Barrier 1 of 1	CRS	Race Rd	MOT Type	Detour	Speed Limit	35	Required?			
							R/W	Yes		
				Barrier Inside Face to Face Width	L&D	ft.	Repl. Guardrail	Yes	Survey	Yes
	Desc.	Remove or replace all guardrail within project limits as needed per grading plan.				Repl. End Term.	Yes	Soil Borings	Yes	Maybe
					Include BTAs	Yes	Utility Reloc.	Yes	Yes	Yes
					Clearzone	Yes	Legislation	Yes	Yes	Yes

Bicycle and Pedestrian

Walk/SUP	Begin		End		Side of Road
		Race Rd - Sugar Ridge		Race Rd - Ohio Turnpike		East/West
	Sugar Ridge - Roundabout				Sidewalk
	Waterbury - Roundabout				SUP/Sidewalk

Comments *Planning study recommended a, 11 ft shared use path (SUP) on the East side of Race Rd and a 5 ft walk on the west side. Consultant to design bike/ped access per City of North Ridgeville's Active Transportation Plan. ADA requirements will have to be followed for the design of these facilities.*

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Traffic Control

Stripping	Long Line Pavement Marking Type	Paint	Lane Separator	No
	Auxiliary Pavement Marking Type	Thermoplastic	Delineators	No
	Bridge Deck Pvmnt Marking Type	Epoxy	Replace RPMs	No
Rumbles	Edge Line Rumble Stripes	No	Permanent Traffic Count Station	No
	Rumble Strips	No	Air Speed Zone Markings	No
	Centerline Rumble Stripes	No	Loop Detectors	No
	Transverse Rumble Strips	No		

Comments
 Install new signing as needed per MUTCD and City of North Ridgeville street name signs for realigned and closed roadways and roundabouts.
 Coordinate removal of lights and gates at existing railroad crossings at Race Rd and Maddock Rd.

Maintenance of Traffic (MOT)

MOT Item 1 of 4	MOT Type	Detour	Feature	Sugar Ridge Rd	Coordination Needed	Yes
	CRS	LOR-MR4334	Duration	-60 (Days)	Municipality	N. Ridgeville
	Disincentive	Road Closure	TBD by Consultant	(Amt.)	Work Zone Speed Zone	No
	MOT Exception	No		(Desc.)	Permitted Lane Closure	No
					LEO No. of Hours	0
	Conflict	Description	Route	Dates to Avoid		

Comments
 Detour to construct roundabout at Sugar Ridge Rd, Waterbury Blvd, and relocated Race Rd.
 Detour Route: Bender Rd south to Chestnut Ridge Rd east to SR 83 north to avoid RR crossing.
 During this phase, relocated Race Rd can begin construction as long as Race Rd remains open. Once the roundabout is open to traffic, Race Rd can be closed

MOT Item 2 of 4	MOT Type	Detour	Feature	Waterbury Blvd	Coordination Needed	Yes
	CRS	LOR-MR2486	Duration	-60 (Days)	Municipality	N. Ridgeville
	Disincentive	Road Closure	TBD by Consultant	(Amt.)	Work Zone Speed Zone	No
	MOT Exception	No		(Desc.)	Permitted Lane Closure	No
					LEO No. of Hours	0
	Conflict	Description	Route	Dates to Avoid		

Comments
 Close and detour Waterbury Rd for the roundabout construction.
 Detour Route: Shady Drive east to Lane Drive to Sugar Ridge Rd then follow Sugar Ridge detour.

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MOT Item 3 of 4	MOT Type	Detour	Feature	Race Rd	Coordination Needed	Yes
	CRS	LOR-MR1103	Duration	~600 (Days)	Municipality	N. Ridgeville
	Disincentive	Road Closure	TBD by Consultant	(Amt.)	Work Zone Speed Zone	No
	MOT Exception	No	(Desc.)		PLCS	No
					LEO No. of Hours	0

Conflict	Description	Route	Dates to Avoid
	Close and detour Race Rd: Sugar Ridge Rd east to SR 83 north of US 20 west.		
	Access to be maintained to all businesses on Race Rd at all times. Area between Race Rd and Turnpike will probably have to be phased.		
	Access to Beckett Parkway also to be maintained at all times via a temporary road or connection, or phased construction.		

MOT Item 4 of 4	MOT Type	Detour	Feature	Maddock Rd	Coordination Needed	Yes
	CRS	LOR-MR1089	Duration	~60 days (Days)	Municipality	N. Ridgeville
	Disincentive	None	(Amt.)		Work Zone Speed Zone	No
	MOT Exception	No	(Desc.)		Permitted Lane Closure	No
					LEO No. of Hours	0

Conflict	Description	Route	Dates to Avoid
	When all other work on the project is complete and Race Rd is open to traffic between Sugar Ridge Rd and US 20, Maddock Rd can be permanently closed and the cul-de-sacs/RR crossing elimination can be constructed.		

Design Designation				Opening Year:	2033	Design Year:	2053	
CRS	Speed Limit	Opening ADT	Road Name	% K	% D	% T24	% TD	Traffic Forecast
LOR-MR1103-0.21/0.54	35	TBD	Race Rd					Cert Traf
LOR-MR2303-1.00/1.10		TBD	Beckett Pkwy					Cert Traf
LOR-MR4334-1.70/1.90		TBD	Sugar Ridge Rd					Cert Traf
LOR-MR2846-0.66/0.74		TBD	Waterbury Blvd					Cert Traf
LOR-MR1089-0.03/0.14		TBD	Maddock Rd					Cert Traf

Project Classification				
CRS	Federal Aid System	Road Name	Functional Class	Urbanized Area
LOR-MR1103-0.21/0.54	Not on Federal Aid	Race Rd	Local	>200,000
LOR-MR2303-1.00/1.10	Not on Federal Aid	Beckett Pkwy	Local	>200,000
LOR-MR4334-1.70/1.90	Other Federal-Aide	Sugar Ridge Rd	Minor Arterial	>200,000
LOR-MR2846-0.66/0.74	Not on Federal Aid	Waterbury Blvd	Local	>200,000
LOR-MR1089-0.03/0.14	Not on Federal Aid	Maddock Rd	Local	>200,000

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Environmental

Environ. Category	Code	Responsibility												
D1	I	<i>In-House</i>												
	T	<i>OES/D3 Task Order</i>												
	C	<i>Consultant Services</i>												
	-	<i>Not Applicable</i>												
Environmental PM ROSTOFER, DONALD E														
Cultural	Section 106 - Scoping Request Form (*)		I	...	...	...	...	...	...	...	...	...	...	...
	Phase 1 Hist./Arch. Survey Rpt. (If Auth.)		I	...	...	...	...	...	...	...	...	...	...	...
	Phase 1 Arch. Survey Report (If Auth.)		I	...	...	...	...	...	...	...	...	...	...	...
Forms	Determination Request Form		...	...	...	...	...	...	...	...	...	...	...	...
	Individual Section 4(f) Eval.		...	...	...	...	...	...	...	...	...	...	...	...
	Section 6(f) Documentation		...	...	...	...	...	...	...	...	...	...	...	...
Ecology	Ecological Exempt Form (*)		...	...	...	...	...	...	...	...	...	...	...	...
	Level 1 Ecological Survey Reports		I	...	...	...	...	...	...	...	...	...	...	...
	UNIONID Mussel Survey Report		...	...	...	...	...	...	...	...	...	...	...	...
	Sole Source Aquifer Coordination		I	...	...	...	...	...	...	...	...	...	...	...
Waterway Permits	Farmland Conversion Impact Rating Form		I	...	...	...	...	...	...	...	...	...	...	...
	Permit Determination Request Package		I	...	...	...	...	...	...	...	...	...	...	...
	Concp. Stream/Wetland Mitg. Rpts.		...	...	...	...	...	...	...	...	...	...	...	...
	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	...	...	...	...	...	...	...	...	...	...	...
Site	Coastal Waterway Permit		...	...	...	...	...	...	...	...	...	...	...
	Regulated Mat. Review (RMR) (*)		I	...	...	...	...	...	...	...	...	...	...
	Phase 1 Env. Site Assess. Rpt. (If Auth.)		...	...	...	...	...	...	...	...	...	...	...
Air	Asbestos Survey/Inspection		I	...	...	...	...	...	...	...	...	...	...
	Ozone Analysis		...	...	...	...	...	...	...	...	...	...	...
	MSAT Analysis		...	...	...	...	...	...	...	...	...	...	...
Noise	PM 2.5 Analysis		...	...	...	...	...	...	...	...	...	...	...
	Traffic Noise Analysis Report		...	...	...	...	...	...	...	...	...	...	...
	Noise Barrier Public Involvement Summary		...	...	...	...	...	...	...	...	...	...	...
Public	Public Involvement Plan		C	...	...	...	...	...	...	...	...	...	...
	Public Meeting Activities		C	...	...	...	...	...	...	...	...	...	...
	Public Announce. (webpage, article, news release)		I	...	...	...	...	...	...	...	...	...	...
	Underserved Population Outreach		I	...	...	...	...	...	...	...	...	...	...

Any Known Env. Concerns (ex. historic properties on Nat. Reg., wetlands, underground storage tanks, stream reloc.)
 Project will remain D1 if 1 - 3 habitable structures/full takes occur. C2 if no structures/takes, and D3 if more than 3. Flood Zone AE. Consultant selected to complete the FS will need to prepare a Public Involvement Plan for D3 Environmental Section review. Consultant will also prepare news releases and materials for Stakeholder and Public meetings.

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Right-of-Way

R/W Site 1 of 1

Feature CRS **Race Rd**
 Feature Type **RR Grade Sep**

R/W Type **Temp/Permanent**
 Known Relocations? **Maybe**
 Access Modification Req'd? **Yes**
 Estimated No. of Parcels **40**
 Land Use **Res, Comm, Ag**

	Responsibility
Titles	Progrmatic Cons
Appraisal	Progrmatic Cons
Appraisal Review	Progrmatic Cons
R/W Acquisition Services	Progrmatic Cons
R/W Acquisition Cost Est.	Progrmatic Cons
R/W Plans	Progrmatic Cons

Comments *There may be one or more full takes/relocations. To be determined during feasibility study.*

Reason for Additional R/W *Right of way acquisition and access changes needed for overpass bridge, re-aligned Race Rd, Race/Sugar Ridge/Waterbury roundabout, and cul-de-sacs on Maddock Rd and Race Rd. Depending on what is approved in the feasibility study, this would be roughly the maximum number of parcel impacts required.*

Survey

Survey Site 1

CRS **LOR-Race Rd** Asset Type **Bridge, Roadway** Surveyor
 Tc Topo for **Road (Grade Sep.)** Survey By: **Progrmatic Cons**

Comments

Feasibility study will work off of LIDAR data.
Full topo will be performed once feasible alternative is identified. Scope and Fee for topographic survey work will be submitted after feasibility study is complete.

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Utilities

Utilities 1 of 3

Location	Race Road
Asset	Overpass

	Name of Utility	Location/Description	Buried	Aerial	SUE Needed?	R/W Needed?
Power	Ohio Edison Transmission	2 crossings south of RR tracks	...	Yes	...	Maybe
Power	Ohio Edison	West side, crossing south of RR tracks	...	Yes	...	Yes
Phone	Windstream	East & west sides of road	Maybe	Yes	Maybe	Yes
Gas	TBD	West side of road	Yes	...	Yes	Maybe
Cable	TBD	Attached to Ohio Edison Poles	...	...	Maybe	Maybe
Water	City of N. Ridgeville	See existing plans	Yes	...	Yes	Maybe
Sanitary	City of N. Ridgeville	See existing plans	...	...	Maybe	Maybe
Comm.	TBD	Unknown owner of UG fiber along RR	Yes	No	Maybe	Maybe

Comments *Significant relocations required for RR grade separation and realignment. Possible existing easements so reimbursement could be required.*

Utilities 2 of 3

Location	Sugar Ridge/Waterbury
Asset	Roundabout

	Name of Utility	Location/Description	Buried	Aerial	SUE Needed?	R/W Needed?
Power	Ohio Edison	North and west sides of road	...	Yes	...	Maybe
Phone	Windstream	North and west sides of road	...	Yes	...	Maybe
Gas	TBD	TBD	Yes	...	Maybe	Maybe
Cable	TBD	TBD	...	Yes	...	Maybe
Water	City of N. Ridgeville	See existing plans	Yes	...	Maybe	Maybe
Sanitary	City of N. Ridgeville	See existing plans	Yes	...	Maybe	Maybe
Comm.	Everstream (verify)	North and west sides of road	...	Yes	...	Maybe

Comments *Relocations required for new roundabout construction*

Utilities 3 of 3

Location	Maddock Rd
Asset	Cul-de-sac

	Name of Utility	Location/Description	Buried	Aerial	SUE Needed?	R/W Needed?
Power	Ohio Edison Transmission	2 crossings south of RR tracks	...	Yes	...	Maybe
Power	Ohio Edison	East side, crossing south of RR tracks	...	Yes	...	Maybe
Phone	Windstream	East side of road	Yes	Yes	Maybe	Maybe
Gas	TBD	TBD	Yes	...	Maybe	Maybe
Cable	TBD	TBD	...	...	...	...
Water	City of N. Ridgeville	See existing plans	Yes	...	Maybe	Maybe
Sanitary	City of N. Ridgeville	See existing plans	Yes	...	Maybe	Maybe
Comm.	TBD	East side of road	Yes	...	Maybe	Maybe

Comments *Construct cul-de-sac at Maddock Rd to eliminate RR crossing. May need some pole relocations to accommodate cul-de-sacs.*

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Legislation and Coordination

	Legislation Type	County	Municipality	Submission Date
Leg.	Preliminary Participatory	Lorain	N. Ridgeville	After stage 2
	Final Participatory	Lorain	N. Ridgeville	1 mo before sale

Coord.	FAA	Yes		Railroad	Yes
	Detour Agreement	Yes	Included with Legislation	Floodplain	Yes
	Detour Coordination	Yes			
	Innovative Contracting	No		Bike Route or Trail within Project Limits	Yes
	Maintenance Agreement	No	Assets in Maintenance Agreement		N/A
	Tree Removal	Yes		Type of Tree Removal Contract	Capital

	Local Item	Item Description	Details
Local	Alternate Bid Items	No	
	Pavement Marking Changes	Yes	Description/Design Resp. Roadway realignment, roundabout,
	Catch Basin/Inlet Work	Yes	Work and Locations
	CB Concrete Collars	Maybe	Comments
	MH/Valve/CL Castings	Maybe	Work and Locations
	Bike/Ped Items Included	Yes	Description of Work
	Loop Detectors	No	Locations
	Festivals/Events to Avoid	No	Name/Date of Events
	Vibratory Rollers	Yes	Details
	Noise Restrictions	Yes	Hours
	Night Work	Maybe	Details
	Other Project Coordination	Maybe	Project Dates/Details
	Coring Required	Yes	Locations
	Waterline/Sanitary Work	Yes	Work and Locations
	Drainage Work Included	Yes	Work and Locations
	Local Construction Inspection	No	Local/Consultant
	Local Standards & Specs	Yes	Details
	Previous Planning Studies	Yes	Description
Local Financial Participation	Yes	Payment Due Date	
Other Items or Concerns	No	Other Item 1	
		Other Item 2	

Comments Will need to coordinate RR flagging, plan review. Will need funds in RR reimbursement for both. Floodplain coordination required for flood zone AE. Based on RW acquisition complete date and sale date, clearing will need to be done on a capital clearing contract separate from this construction contract.

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Project Schedule

Project Schedule

Date		Date	
2/27/2025	Field Review Date	7/1/2028	Stage 2 Plans - Submitted
2/27/2025	In-House Scope Meeting	8/1/2028	Stage 2 Plans - Complete
3/14/2025	Project Initiation Package	8/1/2027	Preliminary R/W Plans - Submit
3/14/2025	Initial Project Scope Complete	8/1/2028	Compliance R/W Review Approvec
5/5/2025	Programmatic Date	8/1/2028	Final R/W Plans - Submit
8/1/2026	Feasibility Study - Approved	10/1/2028	R/W Authorized
N/A	Alternative Evaluation Report - Appr.	5/1/2029	Stage 3 Plans - Submitted
-	Preferred Alternative Approval	6/1/2029	Stage 3 Plans - Complete
12/1/2026	Survey Deliverables Complete	6/1/2028	Environmental Doc. Approved
-	Begin In-House Detailed Design	10/1/2030	R/W Acquisition Complete
7/1/2025	Authorized Design Consultant	11/1/2030	District R/W Certification
7/1/2027	NEPA Start Date	1/1/2030	Final Tracings Submitted
-	Pre-Stage 1 Submitted	2/1/2030	Final Tracings Complete
-	Pre-Stage 1 - Complete	1/1/2031	Plan Package Received in C.O.
6/1/2027	Stage 1 Plans - Submitted	4/1/2031	Sale Date
7/1/2027	Stage 1 Plans - Approved	4/1/2031	Award Date
-	Waterway Permit Determination-Submit	5/1/2031	Estimated Begin Construction
-	404/401 Permits Submitted	5/1/2033	Estimated End Construction

TED Office Required Milestones - All Projects

TED Office Required Milestones - >20M Projects

District Required Milestones - All Projects

Milestone not needed for all projects

Comments *This schedule attempts to match the schedule submitted by ORDC to FRA in their grant application.*

Milestone	Schedule Date
Preliminary Engineering	December 2026
Environmental Engineering/NEPA	December 2028
Final Engineering	December 2030
Construction	March 2032

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope PID **122566** Project Name **LOR Race Rd RCE**

Funding

Split / Priority	Name	Plan Split Code	Funding Source Source 1		Funding Source Source 2		Cost
			%	Fund	%	Fund	
1 / 1	CO CO FRA	01/S>2/08	100	4FC7			\$14,100,000.00
	<i>Descr: FRA grant funding for RR grade separation, 100% federal</i>						
2 / 1	CO CO ORDC	01/S>2/08	100	4RX7			\$3,300,000.00
	<i>Descr: ORDC share for project, 100% state</i>						
3 / 1	CO CO NSRR	01/S>2/08	100	4BG7			\$150,000.00
	<i>Descr: Railroad share for project</i>						
4 / 1	CO CO N. Ridgeville	01/S>2/08	100	4BG7			\$3,300,000.00
	<i>Descr: City of N. Ridgeville share for project</i>						

Funding Summary

Project Phase	Funding Source / Description	Percent		Fiscal Year / Quarter	Phase Estimate
		Fed	State/Local		
Preliminary Engineering	FRA	100		2026 Q1	\$4,000,000.00
Detailed Design	FRA	100		2029 Q2	\$1,000,000.00
Right of Way Services	FRA	100		2029 Q2	\$500,000.00
Right of Way Acquisition	FRA	100		2029 Q2	\$5,150,000.00
Utilities Reimbursement	FRA	100		2031 Q2	\$1,000,000.00
Construction Contract	FRA, ORDC, Local	67	33	2031 Q4	\$20,850,000.00
Construction Engineering	ODOT Labor			2031 Q4	
Railroad Reimbursement	FRA	100		2031 Q4	\$500,000.00
Total					\$33,000,000.00

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope

PID

122566

Project
Name

LOR Race Rd RCE

Field Review

Attendees

Scott Ockunzzi, Luke Wysocki, Gerika Logan (ORDC), Christina Eavanson (N. Ridgeville)

Date

2/27/2025

Notes

- Need to maintain access to businesses between RR and Turnpike during construction
- Race Rd realignment might take Quonset Hut
- It would be helpful for MOT/access to have a Bender Rd to Beckett Pkwy connection
- Need to make sure drives at Sugar Ridge/Waterbury have left in/out access after roundabout construction.
- Maddock Rd re-grading might be difficult because if too much embankment is removed, there would be nothing supporting RR tracks. Also the creek/culvert on the south side of the tracks would have to be supported.

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope

PID

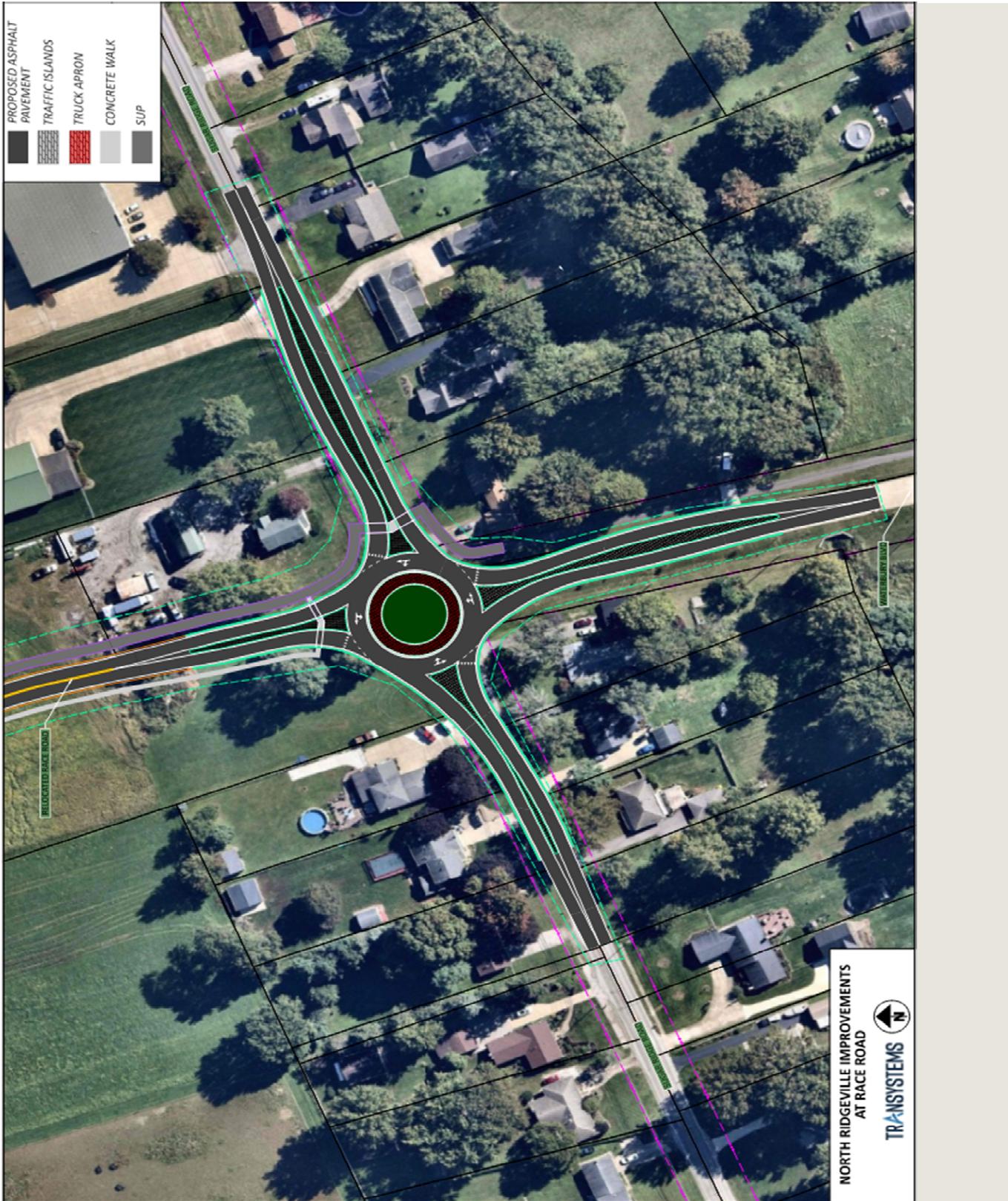
122566

Project Name

LOR Race Rd RCE

Narrative (continued)

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



Project Scope

PID

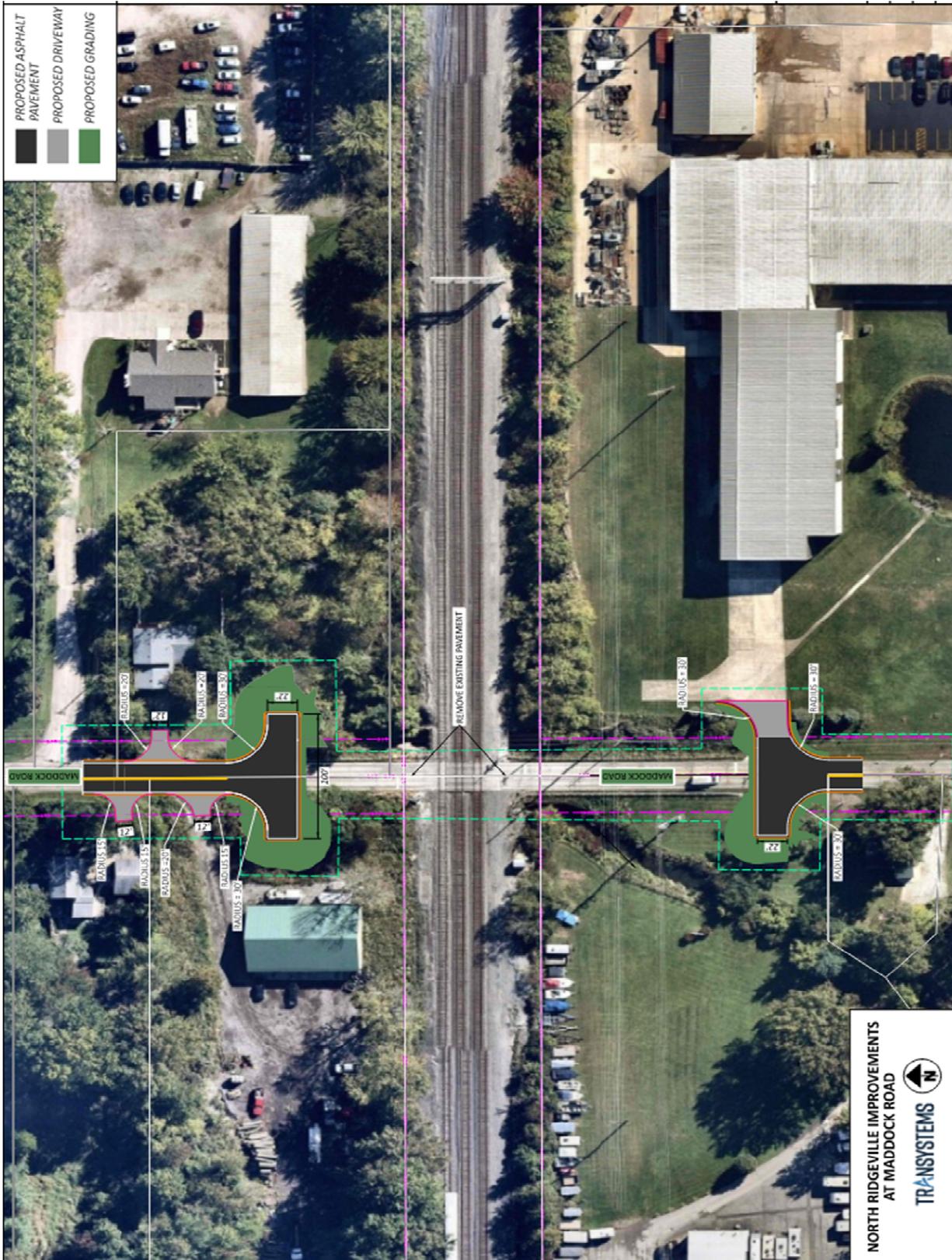
122566

Project Name

LOR Race Rd RCE

Narrative (continued)

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



Project Scope

PID

122566

Project Name

LOR Race Rd RCE

Narrative (continued)

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

Cost Estimates

There are many factors that go into the costs for railroad grade separation projects. The majority of these costs include construction of the new roads, railroad coordination and ROW.

Race Road	2031 Dollars (includes 30% Contingency)			
	Estimated Construction	Rail	RW	TOTAL
Underpass Option (with walls)	\$43.9M	\$7.8M	\$1.3M	\$53.0M
Underpass Option (without walls)	\$41.2M	\$7.8M	\$3.5M	\$52.5M
Overpass Option (with walls)	\$27.7M	\$1.0M	\$1.1M	\$29.8M
Overpass Option (without walls)	\$28.8M	\$1.0M	\$3.2M	\$33.0M
Maddock Road	\$405,000	N/A	\$100,000	\$505,000

Figure 21 - Estimated Cost Table

The two underpass options are significantly more expensive than the overpass options due to the cost of the railroad bridge, shoofly for maintaining rail traffic and the pump station that would be required to drain stormwater in the final condition.

The two overpass options, as listed in Figure 21, include approximately \$2M for an optional bridge that would connect the two access roads under Race Road to maintain business operations if needed. One additional cost that is not included for any of these alternatives is the cost to relocate utilities if they are compensable. For additional details, see Appendix J.

The costs above include 2 years for the design phase, a maximum of 2 years for ROW, 1 year for utility relocation and 2 years for construction. Based on the timing of the discretionary grant award announcements, this would put the construction in 2031. An inflation value of 33.5% has been added to each estimate to bring costs to 2031 dollars based on ODOT's current inflation calculator.

Conclusion

For Maddock Road, the removal of the crossing meets the purpose and need of the project. For Race Road, comparing all the different elements that go in to choosing an alternative, the Overpass option with retaining walls to avoid business impacts rises to the top as the preferred alternative in this study due to reduced impacts and lower costs. See Figure 22.

Figure 22 - Race Road Alternatives Comparison Matrix

	Construction Cost	ROW Costs	Utility Impacts	Meets Purpose and Need	Safety Improvements	Multimodal Accommodations	Noise Reduction
No Build Option	○	○	○	●	●	●	●
Underpass with Retaining Walls	●	○	○	○	○	○	○
Underpass without Retaining Walls	●	●	○	○	○	○	○
Overpass with Retaining Walls	○	○	●	○	○	○	○
Overpass without Retaining Walls	○	●	●	○	○	○	○

Less Favorable = ●
 Moderately Favorable = ○
 More Favorable = ○

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope

PID

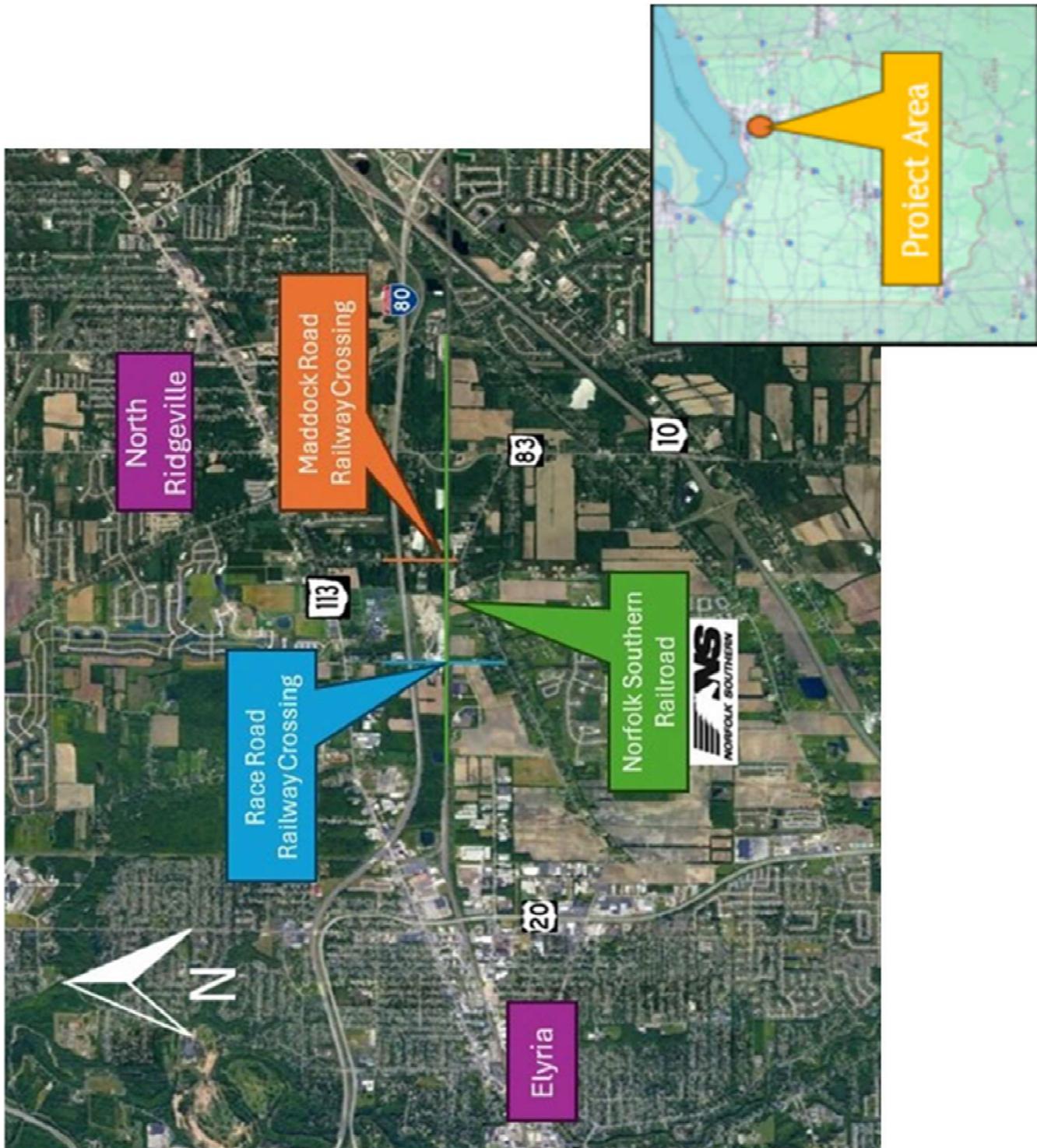
122566

Project Name

LOR Race Rd RCE

Map

See the project overview map below.



OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT THREE

Project Scope PID **122566** Project Name **LOR Race Rd RCE**

Signatures and Attendance Approval Field Visit Scope Meeting

		Signature	Date	Approve	Disapprove	2/27/2025	2/27/2025	
ELLIS Coordinator	Heidi Mertler	<i>Heidi Mertler</i>	3/14/2025	X		-	X	-
Environmental PM	Donald E Rostofer	<i>Donald E. Rostofer</i>	3/14/2025	X		-	X	-
Bridge Engineer	Kent Kapustar	Kent A. Kapustar	03/14/2025	X		-	X	-
Planning Engineer	Scott Ockunzzi	<i>Scott R. Ockunzzi</i>	03/14/2025	X		-	X	-
Design PM	Adam C Mellen	Adam Mellen	3/14/2025	X		X	X	-
Realty Specialist Mgr.	Bethany Wallace					-	X	-
Traffic Engineer	Julie Cichello	Julie Cichello	3/21/2025	X		-	X	-
Survey Op. Mgr.	Scott Hawkins	Scott Hawkins	03/14/2025	x		-	-	-
Utility Coordinator	John Schafrath	John Schafrath	3-17-25	X		-	-	-
Real Estate Admin.	Brad Corder	<i>Bradley S. Corder</i>	03/17/2025	X		-	X	-
Design Engineer	Kenny Knapp	<i>Kenny Knapp</i>	03/17/2025	X		-	X	-
Constr. Area Eng.	Luke Wysocki	Luke T. Wysocki	03/18/2025	x		X	X	-
Constr. Engineer	Mike Fair	Mike Fair	03/17/2025	X		-	X	-
Consultant Services	Shelley Pitcher	<i>Shelley K. Pitcher</i>	3/21/2025			-	X	-
Cap. Prog. Admin.	Matt Walter	Matt Walter	3/17/2025	X		-	-	-
LPA Manager	Steve Shepherd	<i>Steve Shepherd</i>	03/14/2025			-	X	-
City Engineer	Christina Eavenson	Christina Eavenson	3/21/25	X		X	X	-
Asst. City Engineer	Lori Birschbach-Tober	Lori Birschbach-Tober	3/21/25	X		-	X	-
City Planning Dir.	Kim Leiber	Kim Lieber	3/14/25	X		-	X	-
ORDC Program Admin.	Gerika Tocker	Gerika Tocker	3/17/25	x		X	X	-