

D3 PROGRAMMATIC • MAY 2024



OHIO DEPARTMENT OF
TRANSPORTATION



PID 109227
MED-42-19.58 - 23.02

All information shall be considered draft. Carefully review the final scope & official posting for final details. This information was prepared prior to the September programmatic posting. Any updates on OCS's website should supersede this information. Supplemental information is available via the following link:

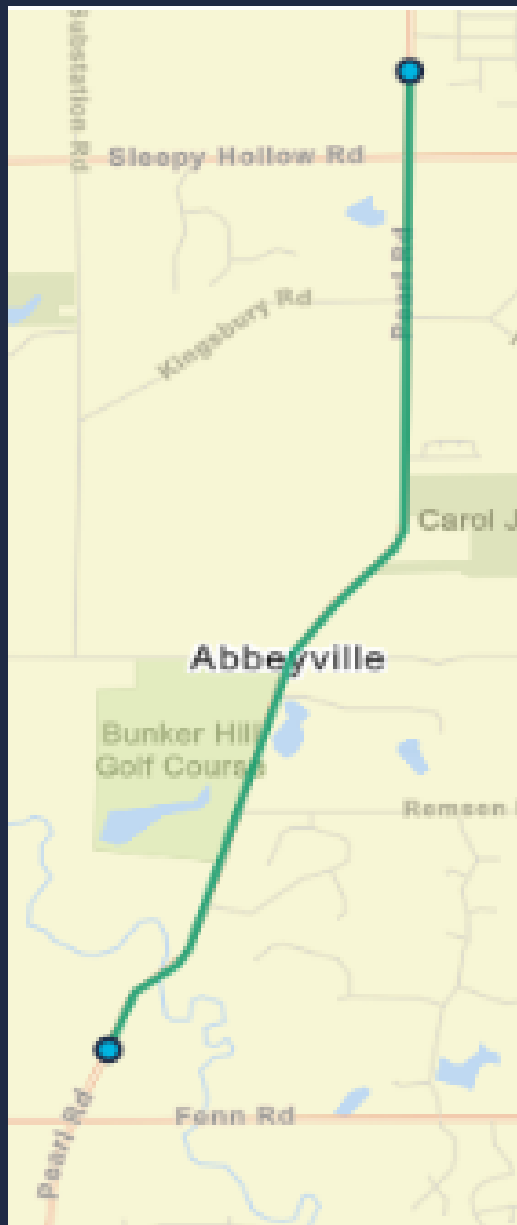


Project Overview

- Full Depth Pavement Replacement
- Culvert Replacements/Rehabs included
- Storm Sewer work included
- Survey is completed
- Bridge Maintenance work included
- Major Rehabilitation Funded Project
- Anticipate Construction 2026 / 2027
- Draft 10% DBE Goal



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Design Designation		Opening Year: 2026			Design Year: 2046				
CRS	Speed Limit	Opening ADT	Design ADT	DHV	% K	% D	% T24	% TD	Traffic Forecast
MED-42-19.58 to 23.02	45	10000	11000	1,400	13	62	2	1	Simplified



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Pavement						2.7.G.C	
Pavement Segment 1	CRS	MED-US42-(19.573-23.02)			Vibratory Roller Permitted	Maybe	
	MOT	Detour	Existing	Proposed	Use Simplified Pav't Design	No	
		Mainline Treatment Type	Asph/Conc →	Asphalt	Pav't Cores Required	Yes	
		Shoulder Treatment Type	Curb →	Curb	Pav't Cores Taken	Yes	
		Paved Shoulder Width	N/A →	Same ft	Survey Required	Yes	
		Lane Width	12 →	Same ft	R/W Required	No	
		Cross Slope	Varies →	0.0156 ft/ft	Curbs Present	Yes	
		Proposed Grading Type		Standard	Safety Edge	No	
		Proposed Pav't Treatment	100 - New Flexible Pavement				
		Comments	<p><i>Proposed build up from OPE includes:</i></p> <ul style="list-style-type: none"> <i>Item 304 Aggregate Base (6")</i> <i>Item 301 Asphalt Concrete Base, PG64-22 (449) (4.5")</i> <i>Item 442 Asphalt Concrete Intermediate Course, 12.5MM, Type A (446), As Per Plan (1.75")</i> <i>Item 442 Asphalt Concrete Surface Course, 9.5MM, Type A (446), As Per Plan (1.25")</i> <p><i>Existing pavement build up includes:</i></p> <ul style="list-style-type: none"> <i>3.5" to 4" average thickness of asphalt</i> <i>9" average thickness of concrete</i> <p><i>Global cement stabilization recommended</i></p> <p><i>Curb is existing and will be replaced. Type 6 vs. Curb and Gutter to be determined by Drainage Designer. Underdrains will be included.</i></p> <p><i>Undercuts may be needed at intersections to meet the side road detour durations.</i></p> <p><i>Replacement of driveway aprons included with project.</i></p>				



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Drainage Concerns

- Existing Storm Sewer to be replaced
- Originally to be part of separate programmatic, but was changed to be included with this programmatic.
- See scope for full details of drainage concerns.



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Culvert Design Details (Approx. No.)

- 3 Locations which need Pipe Repairs/Rehab
- 3 Culverts to be Replaced or Extended
- Other culvert work to be completed by ODOT forces prior to project construction



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Suggested Maintenance of Traffic

- Maintain 2 way traffic for surface and intermediate paving
- Detour NB traffic during full depth work. Maintain SB traffic

Maintenance of Traffic (MOT)						
2.7.J.A-D, 3.3.B.F, 3.3.C, 3.3.E						
MOT Item 1 of 2	MOT Type	Drums	Feature	Interm/surf course	Coordination Needed	No
	CRS	MED-42-19.58	Duration	(Days)	Municipality	
MOT Item 2 of 2	Disincentive	None	(Amt.)	Permitted Lane Closure	No	
	MOT Exception	No	(Desc.)	LEO No. of Hours		
Comments	Conflict	Description	Route	Dates to Avoid		
	<p>Maintain one lane of traffic in each direction at all times except, from 9 PM - 6 AM, when two way traffic may be maintained in 1 lane with flaggers</p> <p>Maintain access to drives at all times using steel plates, temporary pavement, half width construction, etc.</p> <p>Two-way access shall be maintained to all commercial drives and residential subdivision roads at all times using part-width construction and Item 410 Traffic Compacted Surface</p>					

MOT Item 2 of 2	MOT Type	Detour	Feature	Duration	260 (Days)	Coordination Needed	Yes
	CRS	MED-42-19.58 to 23.02					Municipality
MOT Exception	Disincentive	Road Closure	\$7,500 / day	(Amt.)	Permitted Lane Closure	No	
	Conflict	No	(Desc.)	LEO No. of Hours	120		
Comments	Description		Route	Dates to Avoid			
	<p>Have contractor adjust radar units based on MOT phases.</p> <p>The intent for the MOT is to not use Portable Concrete Barrier on this project.</p> <p>Northbound US 42 traffic will be detoured to construct US 42 in four phases. One minimum 10-foot lane of US 42 southbound shall always be maintained using existing and/or proposed pavement.</p> <ul style="list-style-type: none"> - Northbound Official ODOT Detour route: SR 3 NB to IR 71 NB to SR 303 WB. Southbound is reverse. - Include several message boards for the duration of the detour - Include a "Road Closed / Local Traffic Only" sign at each major cross-road on US 42 northbound within the detour route - Include one way signage at driveways <p>The following sections of US 42 northbound shall not be detoured simultaneously, and shall be performed in separate phases:</p> <ul style="list-style-type: none"> - Fenn Rd to Hamilton Rd (2 phases due to part width construction) - Hamilton Rd to Sleepy Hollow Rd (2 phases due to part width construction) - All intersections shall be open at all times, except when local roads may be detoured for 21 calendar days to construct the US 42 intersections. <p>These intersections shall be detoured using local roads approved by Medina Twp, Brunswick Hills Twp and the Medina County Engineer through the signed Local Detour Maintenance Agreements.</p> <p>See Detour Coordination information in PW under Planning/Scopes/Detour Coordination/</p>						



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Thank you for your interest in this project!

QUESTIONS?

Please contact Shelley Pitcher

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