

ODOT DISTRICT 9 - PROJECT SCOPE & PRELIMINARY ESTIMATE

OVERVIEW

County	Route	Begin SLM	End SLM
ROS	23	10.97	18.35

PID	118771
# Lanes	4
Treatment Type	Overlay
Fiscal Year	2025
Scope Complete	
Scope Revised	
ADT & Date (ADT, Date Taken)	48797 (6/22)
File Quarter	
Special Quarter Request Reason	
Plan File	
Award	7/1/2024
Program Manager	Corey Cottrell
Project Manager	
Designer	
ADDA Comments	

Existing Pavement Summary			
(10.97-12.84) 2012	1.50" ASPHALT CONCRETE SURFACE COURSE 12.5MM TYPE A (446)		23
(10.97-12.84) 2012	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE 19MM TYPE A (446)		23
(10.97-12.84) 2012	1.75" PAVEMENT PLANNING ASPHALT CONCRETE AS PER PLAN		23
(12.84-16.37) 2017	1.0" FINE GRADED POLYMER ASPHALT CONCRETE TYPE B, SURFACE COURSE		23
(16.37-18.35) 2016	1.0" FINE GRADED POLYMER ASPHALT CONCRETE TYPE B, SURFACE COURSE		23
(16.37-18.35) 2016	0.75" PAVEMENT PLANNING ASPHALT CONCRETE AS PER PLAN		23

Resurfacing Summary		
Item	Description	Pertinent Details
254E01000	PAVEMENT PLANING, ASPHALT CONCRETE	Provide estimated quantity to mill full width including shoulders and crossovers at 1.5" depth.
254E01600	PATCHING PLANED SURFACE	Provide an estimated quantity based upon 20% of total planed area (442).
255E10161	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	Provide quantity for repair of failed joints, at 6'x 24', estimated 20 joints.
255E20000	FULL DEPTH PAVEMENT SAWING	Provide quantity for sawing for 255 repairs, estimated 1200 LF and estimated 1500 LF for full depth concrete at Main St.
251E01021	PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN	Provide 4000 SY for repairs (Mill & Fill 3" w/ 12.5mm surface in two lifts)
621E54000	RAISED PAVEMENT MARKER REMOVED	Provide estimated quantity based upon existing conditions.
407E10000	TACK COAT	Provide estimated quantity based upon existing conditions.
442E10021	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), PWL, 2024, AS PER PLAN	Provide estimated quantity at 1.5" for full width of road.
621E00100	RPM	Provide estimated quantity based upon existing conditions.
621E54000	RAISED PAVEMENT MARKER REMOVED	Provide estimated quantity based upon existing conditions.
644E	THERMOPLASTIC PM'S - VARIES	Provide estimated quantity based upon existing conditions.
618E40600	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	Provide estimated quantity based upon existing conditions.
850E	GROOVING FOR "X" RECESSED PAVEMENT MARKING, (ASPHALT) - VARIES	Provide estimated quantity based upon existing conditions.
807E11000	WET REFLECTIVE PAVEMENT MARKING - VARIES	Provide estimated quantity based upon existing conditions.
638E	VALVE/SERVICE BOX ADJUSTED TO GRADE	Include quantity for valve/service box adjustments as needed.
611E99654	MANHOLE ADJUSTED TO GRADE	Include quantity for manhole adjustments as needed.
611E98630	CATCH BASIN ADJUSTED TO GRADE	Include quantity for catch basin adjustments as needed.
452E14050	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	Include quantity for full depth concrete at Main St. ramps see detail provided (reference sample plans from D6)
304E20000	AGGREGATE BASE	Include quantity at 6" for full depth concrete sections at Main St.
204E10000	SUBGRADE COMPATION	Include quantity for full depth concrete sections at Main St.
632E	DETECTOR LOOP	Provide a quantity for signals at intersections.
204E13000	EXCAVATION OF SUBGRADE	Provide quantity for full depth concrete section at Main St. Estimated 1 foot deep under cuts
204E30010	GRANULAR MATERIAL, TYPE B	Provide quantity for full depth concrete section at Main St. This quantity is to go with "Excavation of Subgrade item"
202E	WEARING COURSE REMOVED	Provide quantity for full depth concrete section at Main St.

Spec Year:	2023
Special Route?	No
ROW Purchase?	No

Description	
Use 2023 C&MS. Create project using ProjectWise and MicroStation Connect. This project will not include the purchase of additional ROW. Mill 1.5" depth for full surface width of road, including shoulders, crossovers and county/township road back to stop sign. Make repairs as directed by the project engineer. Patch planed surface as needed. Place 1.5" 442 surface course asphalt 12.5mm. Remove and reinstall RPMs. Place thermoplastic pavement markings and Recessed Wet-Reflective Long Line Markings. Replace shoulder rumble strips. Contact the county to see if they would like any millings. Perform partial depth pavement repairs as directed by the engineer. Adjust valves, and catch basins as needed. Replace detector loops as needed. Full depth concrete will be placed between the ramps at the Main St. interchange. The intent is to remove existing pavement down 16" and build back with 6" aggregate base and 10" non-reinforced concrete. A foot of undercuts has been estimated to be used as directed by the project engineer, granular material type B has been added to go with the undercuts as directed by the engineer. Subgrade compaction is included to compact the subgrade at the Main St. full depth section. Wearing course removed is include to remove the existing pavement at the Main St. ramps. A rough detail has been added to Projectwise to show the limits of the full depth concrete at Main St. the ramps. Sample D6 plans that include very similar full depth concrete have been added to the projectwise folder and should be used as a guide when deleoping plans for this type of work.	

FIELD REVIEW

Review Date(s)	#REF!	Observations & Concerns			
Attendees	#REF!	PCR	74	Roughness	IRI = 85
	#REF!	Rutting	> 0.25"	Cross Slopes	Ok
	#REF!	MOT	No	Joints/Cracks	Deduct = 16.16
	#REF!	Environmental	No	Structure	Deduct = 10.4
		Survey	No	Repairs	Capital
		Geotech	No	Shoulder Work	Spot grading and berming
		Culverts	Maint to check	Guardrail Work	No
		ADA Ramps	No	R/W	No
		Utilities	No	Other	

Field Notes	
	See J:\Pavement\2023 Work Plan\Field Review Notes for field notes

Wavetronix	
	HMA had no locations indentified for this project.

ANCLLARY DATA

Functional Class	Principal Arterial	Total ADT	48797
NHS Category	NHS	Truck ADT	6588
Policy System	Priority	ADT Year	2022
Award Date	7/1/2024	SIP Location ?	Yes

Funding Details		
	%	SAC
Federal	80	4PF7
State	20	4PS7

STIP	24-27 STIP SLI Group Project	RR Name	No
SJN	None listed	Municipality	None
FAN	None listed	Amish Route?	No
Pavement Type?	AC Overlay	Bicycle route?	No
Rest Area?	Yes	Park and Ride?	No
ATR/RWIS?	Yes	Other	

Local		
Bond		
Other		

ROS-23-12.02 R		WORK	ITEM	UNIT	UNIT COST	QUANTITY	ITEM COST	COMMENT
SFN	7100728	Milling (Pavement Planing)	254E01000	SY	\$7.00	1054	\$7,379	
Feature Intersect	MAIN ST	Strip Seal	516E11210	FT	\$550.00	106	\$58,300	
Type	4 - Steel continuous	Hydro Demolition	848E20000	SY	\$55.00	1054	\$57,970	
Date Built	07/01/1968	MS Overlay	848E10000	SY	\$55.00	1054	\$57,970	
Legal Load	120	Other	0	EA	\$40,000.00	2	\$80,000	Approach Slabs
GA	6	Other	0					
Length	179	Other	0					
Width	53	Other	0					
Area	9487	Other	0					
Skew	2	Other	0					
Culvert Length	0	Other	0					
Fill Depth	0	Other	0					
Joint Length		Other	0					
Wearing Surface	2- MicroSilica	Other	0					
WS Date	12/21/1994	Other	0					
Thickness	2.5	Other						
						Sub-total	\$261,619	
						15% Contingency	\$39,243	
						10% Inflation	\$30,086	
						Structure Total	\$330,948	Preservation
Summary	mill 4.5"; hydro 1"; new overlay 3" thick; new expansion joints; new approach slabs; taper approach roadway for elevation change; scupper modification					Plan Split		