

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRO-131/251-3.89/0.00

PERRY TOWNSHIP

BROWN COUNTY

FEDERAL PROJECT NUMBER

NONE

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

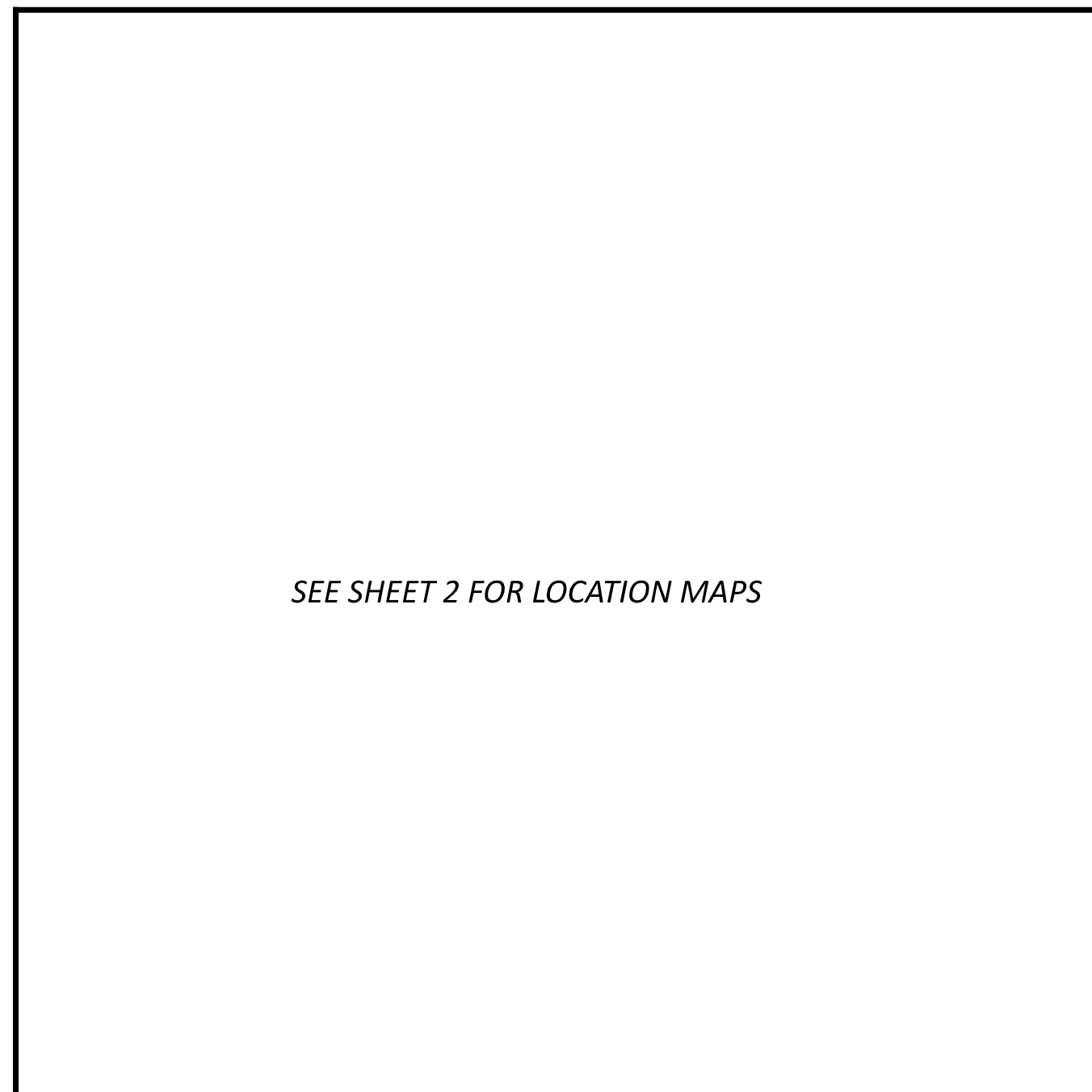
THIS PROJECT CONSISTS OF THE THE USE OF SINGLE CHIP SEAL, TYPE A TO TREAT THE FOLLOWING ROUTES AND LOCATIONS:
BRO-S.R. 131 S.L.M. 3.89 TO S.L.M. 7.76
BRO-S.R. 251 TO S.L.M. 0.00 TO S.L.M. 4.01
642 TRAFFIC PAINT TO BE USED THROUGHOUT THE PROJECT.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)

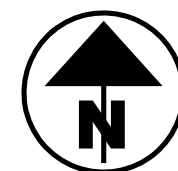
2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



LOCATION MAP

LATITUDE: 39°13' 11.05" LONGITUDE: 83°53'39.47"



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

SEE SHEET 2 FOR INDIVIDUAL DESIGN DESIGNATIONS

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

INDEX OF SHEETS:

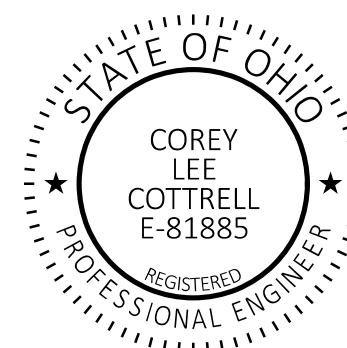
TITLE SHEET	1
LOCATION MAPS	2
TYPICAL SECTIONS	3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC GENERAL NOTES	5
GENERAL SUMMARY	6
PAVEMENT CALCULATIONS	7-8
PAVEMENT MARKINGS	9

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

ENGINEER'S SEAL



STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22			800-2019 SEE PROPOSAL	
MT-97.10	4/19/19			832 7/15/22	
MT-97.12	1/20/17			886 4/19/19	
MT-99.20	4/19/19				
MT-105.10	1/17/20				
TC-41.20	10/18/13				
TC-42.20	10/18/13				
TC-52.10	10/18/13				
TC-65.10	1/17/14				
TC-65.11	7/15/22				

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

Michael G. Dombrowski
09

DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY



DESIGNER		TMT	
REVIEWER		CLC 02-14-23	
PROJECT ID		116270	
SHEET	TOTAL	1	9

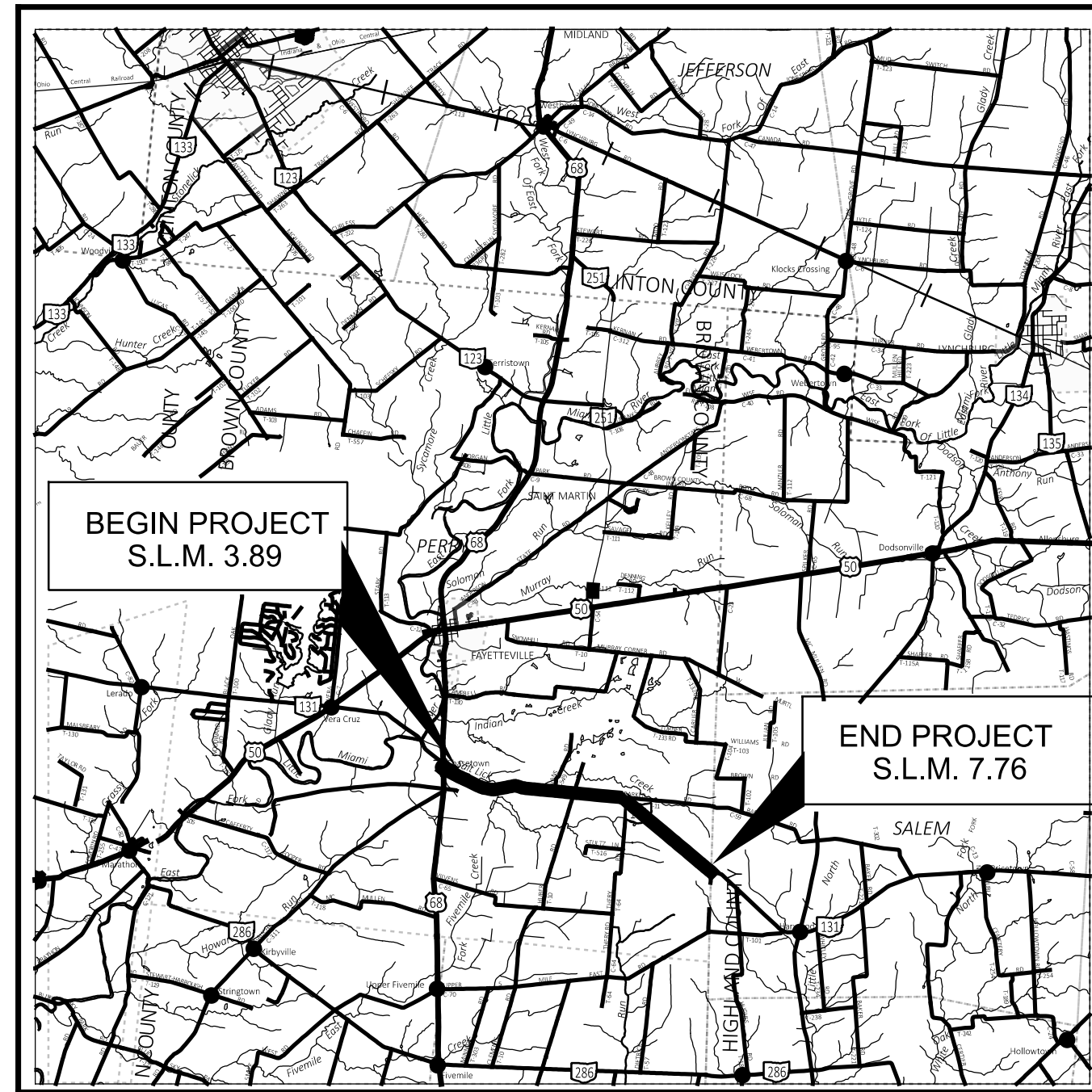
BRO-131/251-3.89/0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/12/2023 TIME: 10:02:19 AM USER: zrockwell pvc:\ohio\dot-pw\benley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 09\Brown\116270\400-Engineering\Roadway\Sheets\116270_GT001.dgn

PLAN PREPARED BY:
DISTRICT 9 PLANNING AND ENGINEERING
OHIO DEPARTMENT OF TRANSPORTATION
650 EASTERN AVE., CHILLICOTHE OH, 45601

LOCATION MAPS

BROWN S.R. 131



LOCATION MAP

LATITUDE: 39°13'11.05" LONGITUDE: 83°53'39.47"



PORTION TO BE IMPROVED	—————	—————
INTERSTATE HIGHWAY	—————	—————
FEDERAL ROUTES	—————	—————
STATE ROUTES	—————	—————
COUNTY & TOWNSHIP ROADS	—————	—————
OTHER ROADS	—————	—————

DESIGN DESIGNATION

CURRENT ADT (2018)	805
TRUCKS (24 HOUR B&C)	2%
DESIGN SPEED	55 M.P.H.
LEGAL SPEED	55 M.P.H.
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL MINOR COLLECTOR	
NHS PROJECT	NO

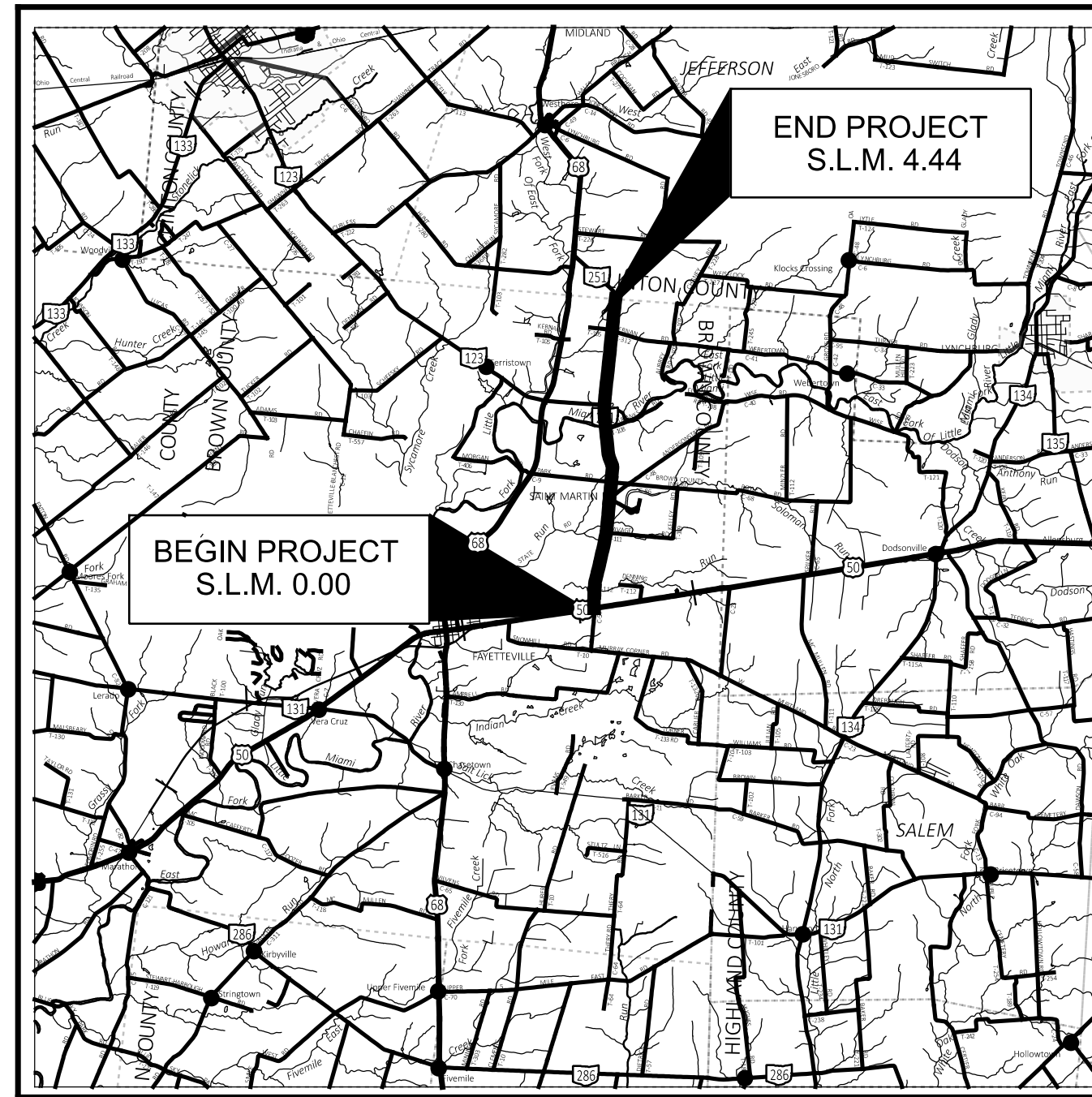
DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

BROWN S.R. 251



LOCATION MAP

LATITUDE: 39°13'11.05" LONGITUDE: 83°53'38.4"



PORTION TO BE IMPROVED	—————	—————
INTERSTATE HIGHWAY	—————	—————
FEDERAL ROUTES	—————	—————
STATE ROUTES	—————	—————
COUNTY & TOWNSHIP ROADS	—————	—————
OTHER ROADS	—————	—————

DESIGN DESIGNATION

CURRENT ADT (2018)	1141
TRUCKS (24 HOUR B&C)	2%
DESIGN SPEED	55 M.P.H.
LEGAL SPEED	55 M.P.H.
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL MINOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

LOCATION MAPS

BR0-286/763/774-0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/12/2023 TIME: 10:02:30 AM USER: zrockwell
 p:\vohodol-pw-bentley.com\ohiodo-pw-02\Documents\01 Active Projects\District 09\Brown\116270\400-Engineering\Roadway\Sheets\116270_GT002.dgn

DESIGN AGENCY



DESIGNER

TMT

REVIEWER

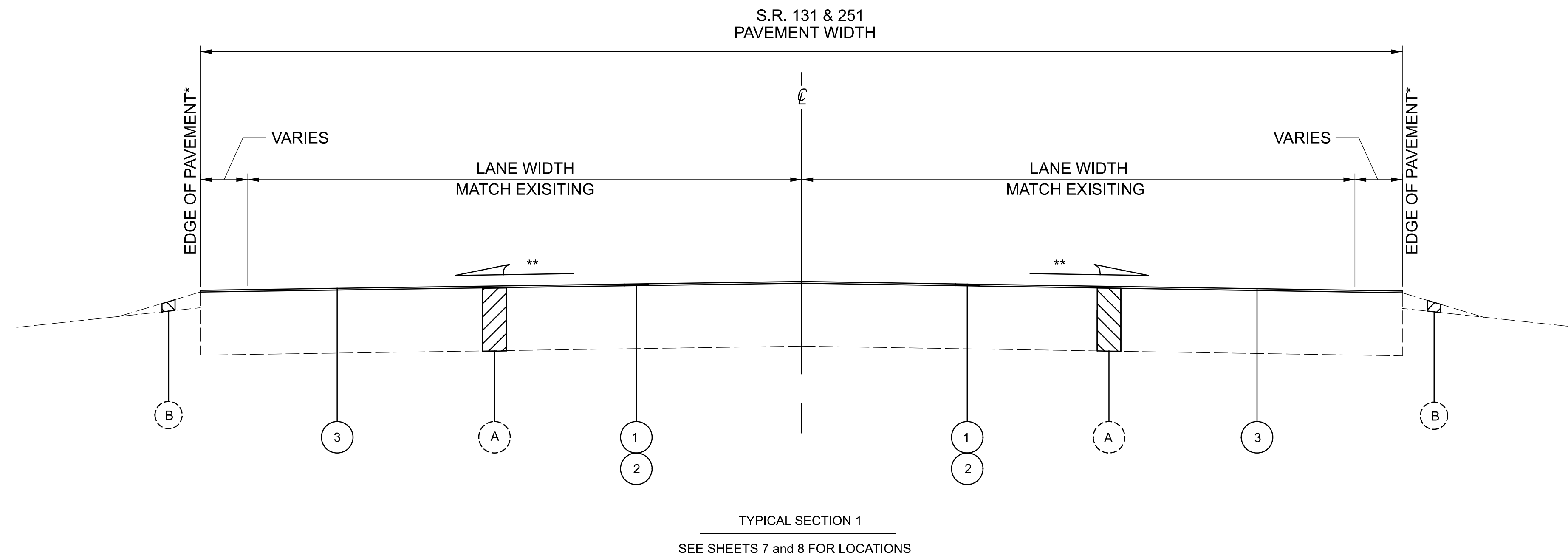
CLC 02-14-23

PROJECT ID

116270

SHEET TOTAL

2 9



PAVEMENT LEGEND

- (1) 422 AGGREGATE, SINGLE CHIP SEAL, TYPE A
- (2) 422 EMULSION, CHIP SEAL
- (3) 886 FOG SEAL
- (A) EXISTING PAVEMENT AND BASE
- (B) EXISTING SHOULDER

NOTES

TYPICAL SECTIONS SHOWN ARE FOR TANGENT SECTION WITH NORMAL CROWN ONLY. TYPICAL SECTIONS FOR SUPERELEVATED SECTIONS AND SUPERELEVATED TRANSITIONS SECTIONS FOR CURVED SECTIONS SHALL FOLLOW THE EXISTING PAVEMENT UNLESS THE ENGINEER DIRECTS THAT A CORRECTION IS TO BE PERFORMED.

* AFTER PAVEMENT OPERATIONS, EDGE OF PAVEMENT MARKINGS SHALL BE REPLACED AT CURRENT LOCATIONS. CONTRACTOR TO LOCATE MARKINGS BEFORE CONSTRUCTION. ENGINEER TO APPROVE PLACEMENT.

** MATCH EXISTING SLOPE UNLESS THE ENGINEER DIRECTS THAT A CORRECTION IS TO BE PERFORMED.

SEE BP 3.1 FOR BUTT JOINT AND PAVEMENT FEATHERING

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE EX. UTILITY GRATES, MANHOLES, AND VALVES, LOCATED IN ROADWAY AND ADJACENT TO ROADWAY, BEFORE PLANNING. THE CONTRACTOR WILL LEAVE ALL UNDISTURBED BEFORE, DURING, AND AFTER CONSTRUCTION UNLESS NOTED OTHERWISE IN PLANS. MAINTAIN POSITIVE DRAINAGE AT EXISTING INLETS.

DESIGN AGENCY



DESIGNER

TMT

REVIEWER

CLC 02-14-23

PROJECT ID

116270

SHEET

3

TOTAL

9

UTILITIES

THERE ARE NO EXISTING UNDERGROUND UTILITY FACILITIES SHOWN ON THIS PLAN, NOR WILL ANY EXISTING UNDERGROUND UTILITY FACILITIES BE RELOCATED FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) FOR FIELD MARKINGS TO IDENTIFY POTENTIAL UTILITY CONFLICTS. WITH THE APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST THE PROJECT CONSTRUCTION ACCORDINGLY, SO AS TO AVOID DAMAGE TO THE EXISTING UTILITY FACILITIES.

THE UTILITY CONTACT INFORMATION FOR THE PROJECT CAN BE OBTAINED THROUGH THE ODOT DISTRICT 9 UTILITY COORDINATOR AT 740-774-9075

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED CHIP SEAL TREATMENT AS SHOWN ON THE TYPICAL SECTIONS

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE
ALL WORK ON PROJECT	60

RPM

IN ADDITION TO CMS 621.03, RPM'S SHALL NOT BE INSTALLED ON BRIDGES OR APPROACH SLABS THAT HAVE A CONCRETE SURFACE. INSTALL RPM'S IN ASPHALT CONCRETE BEFORE AND AFTER THE SUPERSTRUCTURE. RPM'S LOCATED IN EXISTING CONCRETE BRIDGE DECKS OR APPROACH SLABS SHALL BE LEFT IN PLACE.

INSTALL NEW RPMs IN ACCORDANCE WITH ODOT STANDARD DRAWINGS TC-65.10 TC-65.11.

ITEM 617 - COMPACTED AGGREGATE

THE ENGINEER SHALL DETERMINE LOCATIONS TO USE 617 COMPACTED AGGREGATE FOR THE REPAIR OF BERMS AS NECESSARY AS DESCRIBED IN CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS) ITEM 617.

THE FOLLOWING IS AN ESTIMATED QUANTITY TO USE AS DIRECTED BY THE ENGINEER FOR THE ABOVE WORK.

ITEM 617 - COMPACTED AGGREGATE
 01/NFA/PV 250 CY

GENERAL NOTES

DESIGN AGENCY



DESIGNER

TMT

REVIEWER

CLC 02-14-23

PROJECT ID

116270

SHEET TOTAL

4 9

ITEM 614, MAINTAINING TRAFFIC

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR WILL ADVISE THE DISTRICT PUBLIC INFORMATION OFFICER AT (740) 774-8834, OR FAX (740) 773-2710 FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE PROJECT ENGINEER WILL PROVIDE ASSISTANCE/CLARIFICATION FOR ANY QUESTIONS.

THE CONTRACTOR SHALL ARRANGE FOR ALL MAINTENANCE OF TRAFFIC OPERATIONS SUCH THAT THERE WILL BE NO OBSTRUCTIONS TO THE CONTINUOUS FLOW OF TRAFFIC. ALL INTERSECTIONS AND DRIVEWAYS SHALL BE OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE SHOWN IN THE PLAN.

ITEM 614, MAINTAINING TRAFFIC (AT ALL TIMES)

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. THE COMPLETED PAVEMENT.

ITEM 614, MAINTAINING TRAFFIC (LANE CLOSURE/ REDUCTION REQUIRED)

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614, WORK ZONE MARKING SIGN 23 EACH 01/NFA/PV
23 EACH TOTAL

ITEM 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT
23.64 MILE 01/NFA/PV
23.64 MILE TOTAL

ITEM 614, WORK ZONE EDGE LINE, CLASS III, 6" 642 PAINT
47.28 MILE 01/NFA/PV
47.28 MILE TOTAL

ITEM 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT
72 FOOT 01/NFA/PV
72 FOOT TOTAL

DESIGN AGENCY



DESIGNER

TMT

REVIEWER

CLC 02-14-23

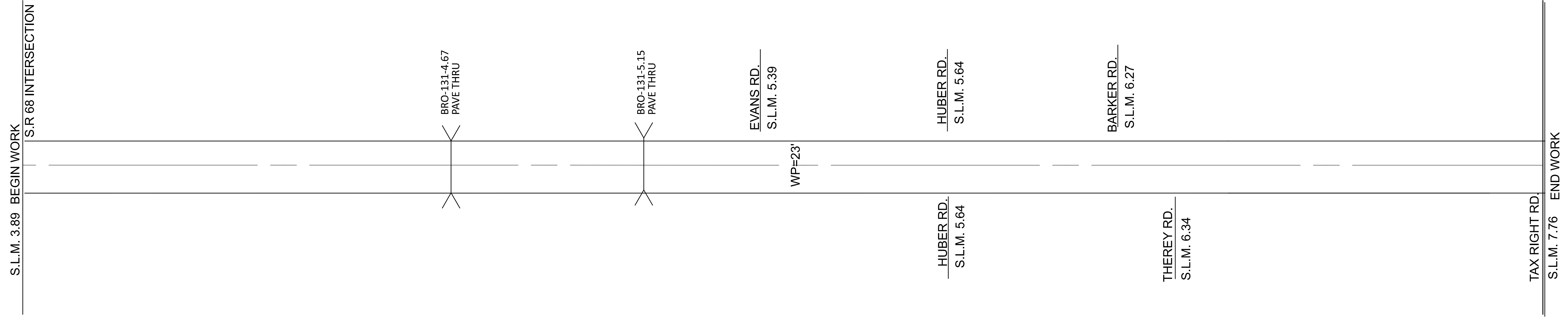
PROJECT ID

116270

SHEET TOTAL

5 9


BRO-131 S.L.M. 3.89 TO S.L.M. 7.76

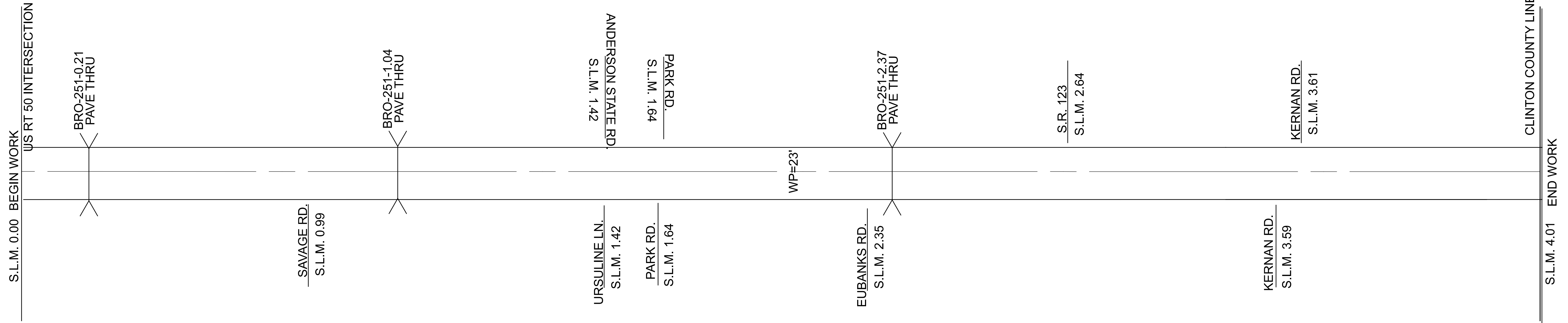


CHIP SEAL

PARTICIPATION	LOG POINT TO LOG POINT	PAVEMENT DATA									
		LENGTH		WIDTH OF PAVING (WP)	TYPICAL	PAVEMENT AREA	422	422	886		
		MILES	FT.				AGGREGATE SINGLE CHIP SEAL, TYPE A	EMULSION, CHIP SEAL, TYPE A	FOG SEAL		
					SQ. YD.	SQ. YD.	GAL.	GAL.			
01/NFA/PV	3.89 TO 7.76	3.87	20433.60	23	1	52219.20	52219.20	20887.68	7832.88		
TOTALS						52219.20	20887.68	7832.88			
TOTAL CARRIED TO THE GENERAL SUMMARY:						52219	20888	7833			

PAVEMENT CALCULATIONS (S.R.131)


DESIGN AGENCY

 DESIGNER: TMT
 REVIEWER: CLC 02-14-23
 PROJECT ID: 116270
 SHEET: 7 TOTAL: 9



CHIP SEAL

ST. ROUTE	PARTICIPATION	LOG POINT TO LOG POINT	PAVEMENT DATA									
			LENGTH		WIDTH OF PAVING (WP)	TYPICAL	PAVEMENT AREA	422	422	886		
			MILES	FT.				AGGREGATE SINGLE CHIP SEAL, TYPE A	EMULSION, CHIP SEAL, TYPE A	FOG SEAL		
				FT.		SQ. YD.	SQ. YD.	GAL.	GAL.			
251	01/NFA/PV	0.00 TO 4.01	4.01	21173.00	23	1	54108.78	54108.78	21643.51	8116.32		
TOTALS								54108.78	21643.51	8116.32		
TOTAL CARRIED TO THE GENERAL SUMMARY:								54109	21644	8116		

PAVEMENT CALCULATIONS (S.R. 251)

DESIGN AGENCY

 DESIGNER
 TMT
 REVIEWER
 CLC 02-14-23
 PROJECT ID
 116270
 SHEET TOTAL
 8 9

BRO-131/251-3.89/0.00

BRO-131/251-3.89/0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/12/2023 TIME: 10:03:46 AM USER: zrockwell
 p:\hohodo-pw-bentley.com\hohodo-pw-02\Documents\01 Active Projects\District 09\Brown\116270\40-DE-Engineering\Roadway\Sheets\116270_GM001.dgn

SECTIONS	ST. ROUTE	S.L.M.		642				644								RAISED PAVEMENT MARKER REMOVED	621				
				EDGE LINE, 6"	CENTER LINE	STOP LINE	REMOVAL OF PAVEMENT MARKING	ONE-WAY		RPM			TWO - WAY								
								WHITE	YELLOW	WHITE / WHITE	YELLOW / YELLOW	WHITE / RED									
FROM	TO	MILE	MILE	FT	MILE	EACH	EACH	EACH	EACH	EACH	EACH										
1	131	3.89	7.76	7.74	3.87										286			5	281		
		INT. OF RT. 68 LT.																			
1	251	0.00	4.01	8.02	4.01										290			5	285		
		INT. OF RT. 50 LT.																			
TOTALS FOR 01/NFA/PV				15.76	7.88	24	23.64								576			10	566		
SUBTOTALS:				15.76	7.88	24	23.64								576			10	566		
TOTALS TO CARRY TO THE GENERAL SUMMARY:				15.76	7.88	24	23.64								576			10	566		

PAVEMENT MARKINGS	
DESIGN AGENCY	
DESIGNER	TMT
REVIEWER	CLC
PROJECT ID	02-14-23
	116270
SHEET	TOTAL
9	9