

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

PIK-220-8.28

PEE PEE & SEAL TOWNSHIPS
VILLAGE OF WAVERLY
PIKE COUNTY

FEDERAL PROJECT NUMBER

E230846

RAILROAD INVOLVEMENT

NORFOLK SOUTHERN RAIL ROAD
AND CSX RAIL ROAD

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE REPAVING OF S.R. 220, FROM THE 8.28 S.L.M. TO THE 13.42 S.L.M.. THIS PROJECT WILL BE A MILL & FILL USING 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22. THERE WILL ALSO BE MINOR BRIDGE REPAIRS. 644 THERMOPLASTIC PAVEMENT MARKINGS WILL BE USED THROUGHOUT ENTIRETY OF PROJECT.

EARTH DISTURBED AREAS

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

2023 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.

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.

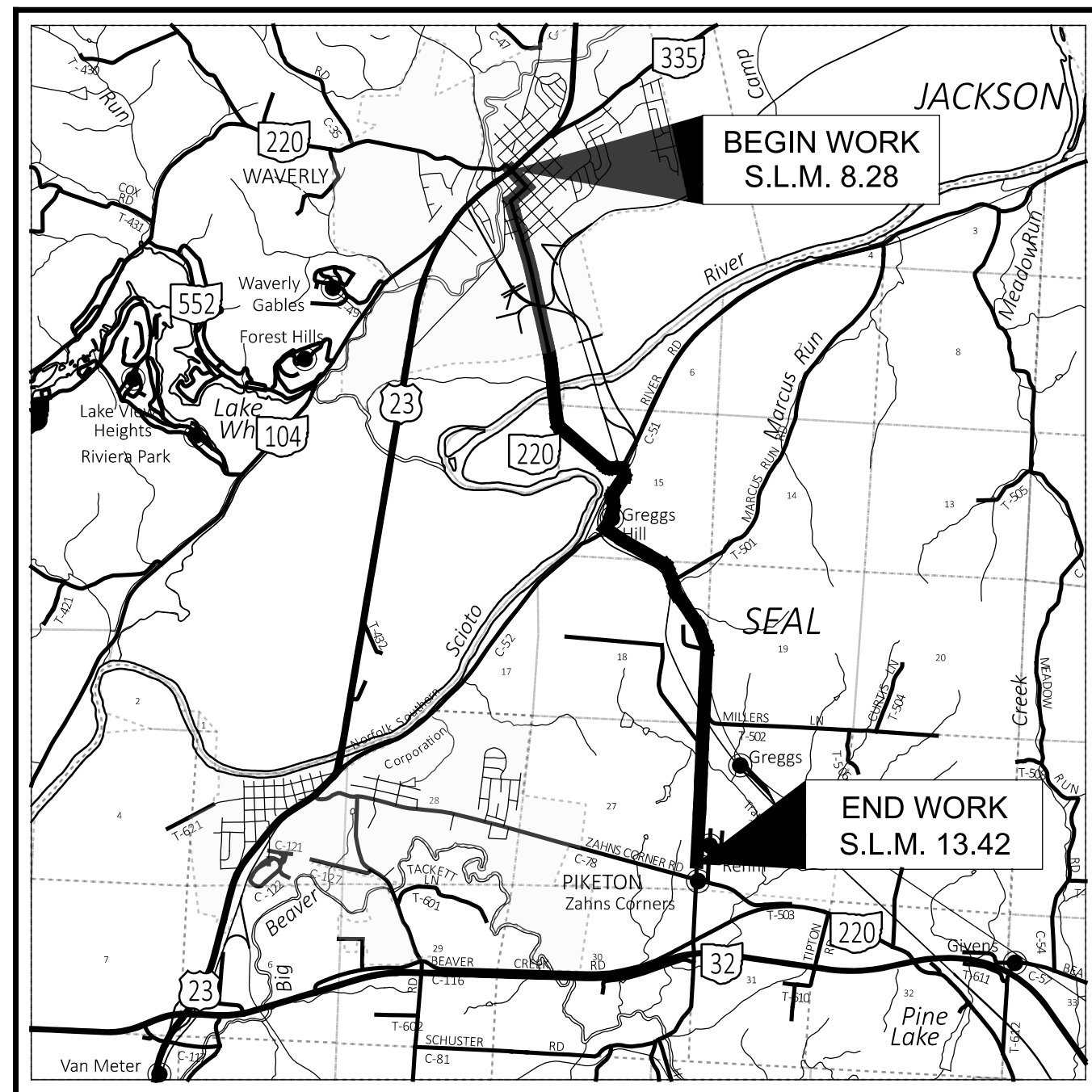
DISTRICT DEPUTY DIRECTOR

Michael G. Dombrowski

Michael G. Dombrowski
District 09 Deputy Director

DIRECTOR, DEPARTMENT OF TRANSPORTATION

Jack Mahan



LOCATION MAP

LATITUDE: 39°5'41.4414" LONGITUDE: 82°58'23.1234"



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

DESIGN DESIGNATION

CURRENT ADT (2021)	4014
TRUCKS (24 HOUR B&C)	9%
DESIGN SPEED	55 M.P.H.
LEGAL SPEED	VARIES- 25 - 55 M.P.H.
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NON-NHS

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE

INDEX OF SHEETS:

TITLE SHEET	1
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UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

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

PLAN PREPARED BY:
DISTRICT NO. 9
OHIO DEPARTMENT OF TRANSPORTATION
650 EASTERN AVE., CHILLICOTHE, OHIO 45601

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	TC-65.11	7/15/22	800-2023 SEE PROPOSAL	
BP-7.1	7/21/23			832 7/15/22	
MT-96.11	7/21/23				
MT-96.20	7/21/23				
MT-96.26	1/18/19				
MT-97.10	4/19/19				
MT-97.12	1/20/17				
MT-97.20	4/19/19				
MT-105.10	1/17/20				
TC-41.20	10/18/13				
TC-41.50	10/18/13				
TC-42.20	10/18/13				
TC-52.10	10/18/13				
TC-65.10	1/17/14				

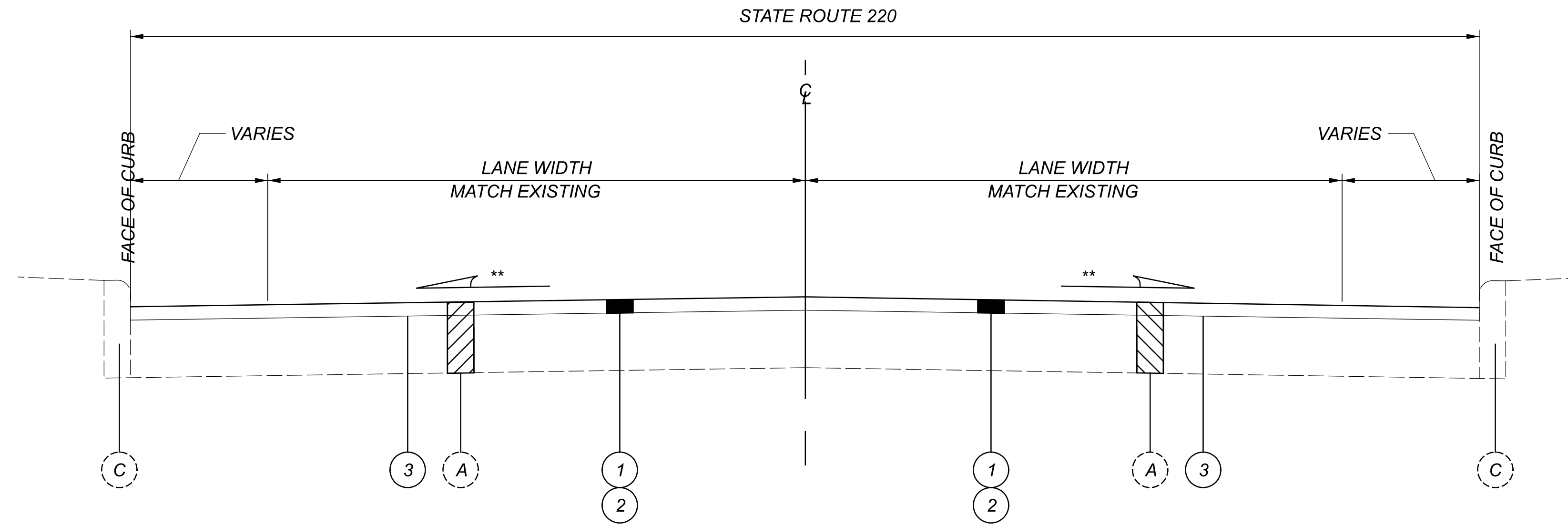
ENGINEER'S SEAL

TITLE SHEET

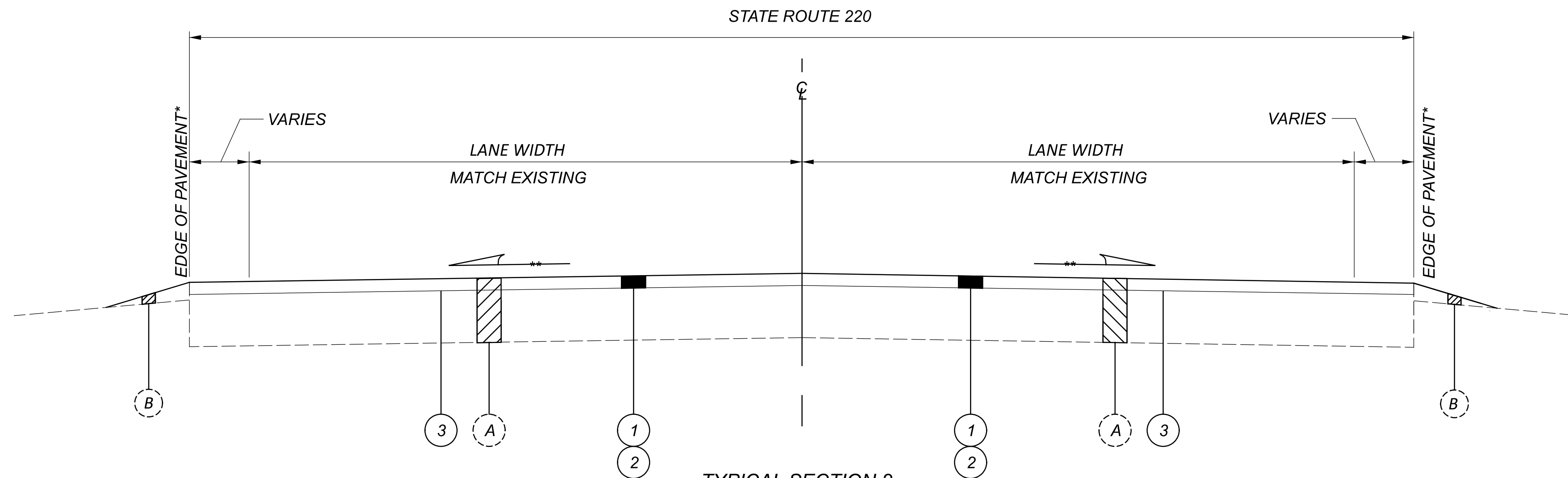
DESIGN AGENCY	
DESIGNER	EWW
REVIEWER	
DMB 09-05-23	
PROJECT ID	114622
SHEET	TOTAL
1	8

PIK-220-8.28

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/7/2023 TIME: 10:34:56 AM USER: ewoodbr pvc:\ohio\dot-pw-bentley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 09\Pike\114622\400-Engineering\Roadway\Sheets\114622_GT001.dgn



TYPICAL SECTION 1
 SEE SHEET 6 FOR LOCATIONS



TYPICAL SECTION 2
 SEE SHEET 6 FOR LOCATIONS

PAVEMENT LEGEND

- ① 441 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② 254 1.50" PAVEMENT PLANING ASPHALT CONCRETE
- ③ 407 NON-TRACKING TACK COAT

- Ⓐ EXISTING PAVEMENT AND BASE
- Ⓑ EXISTING SHOULDER
- Ⓒ EXISTING CURB

NOTES

TYPICAL SECTIONS SHOWN ARE FOR TANGENT SECTION WITH NORMAL CROWN ONLY. TYPICAL SECTIONS FOR SUPERELEVATED SECTIONS AND SUPERELEVATED TRANSITION 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 PLANING. THE CONTRACTOR WILL LEAVE ALL UNDISTURBED BEFORE, DURING, AND AFTER CONSTRUCTION UNLESS NOTED OTHERWISE IN PLANS. MAINTAIN POSITIVE DRAINAGE AT EXISTING INLETS.



UTILITIES

THERE ARE NO EXISTING UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS, NOR WILL ANY EXISTING UNDERGROUND UTILITY FACILITIES BE RELOCATED FOR THE PROJECT. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY UTILITIES THAT MAY EXIST WITHIN THE WORK AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY POTENTIAL UTILITY CONFLICTS, BY VISUAL INSPECTION AND BY CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO 811) FOR FIELD MARKINGS OF THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE OWNERS TO RESOLVE ALL UTILITY CONFLICTS PRIOR TO CONSTRUCTION OR, 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.

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.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE
ALL WORK ON PROJECT	90

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 AS SHOWN ON THE TYPICAL SECTIONS.

DISPOSAL OF ASPHALT GRINDINGS

715 CU. YDS. OF THE ASPHALT GRINDINGS FROM THIS PROJECT ARE TO BE DELIVERED TO THE PIKE COUNTY O.D.O.T. GARAGE. THE REMAINDER OF THE ASPHALT GRINDINGS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

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.

RPM

IN ADDITION TO CMS 621.03, RPMs SHALL NOT BE INSTALLED ON BRIDGES OR APPROACH SLABS THAT HAVE A CONCRETE SURFACE. INSTALL RPMs 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 AND TC-65.11.

ITEM 254- PATCHING PLANED SURFACE

THIS ITEM SHALL BE IN ACCORDANCE WITH SECTION 254 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE FOLLOWING WORK: ITEM 254 PATCHING PLANED SURFACE

01/S<2/05	497 SQ.YD.
02/STR/05	117 SQ. YD.
TOTAL	614 SQ.YD.

ADJUSTMENTS TO GRADE

THE ENGINEER SHALL DETERMINE LOCATIONS OF MANHOLES, CATCH BASINS, AND INLETS TO BE ADJUSTED TO GRADE AS NECESSARY AS DESCRIBED IN CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS) ITEM 611.

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

- ITEM 611: CATCH BASIN ADJUSTED TO GRADE - 15 EACH
- ITEM 611: MANHOLE ADJUSTED TO GRADE - 10 EACH
- ITEM 638: SERVICE BOX ADJUSTED TO GRADE - 8 EACH

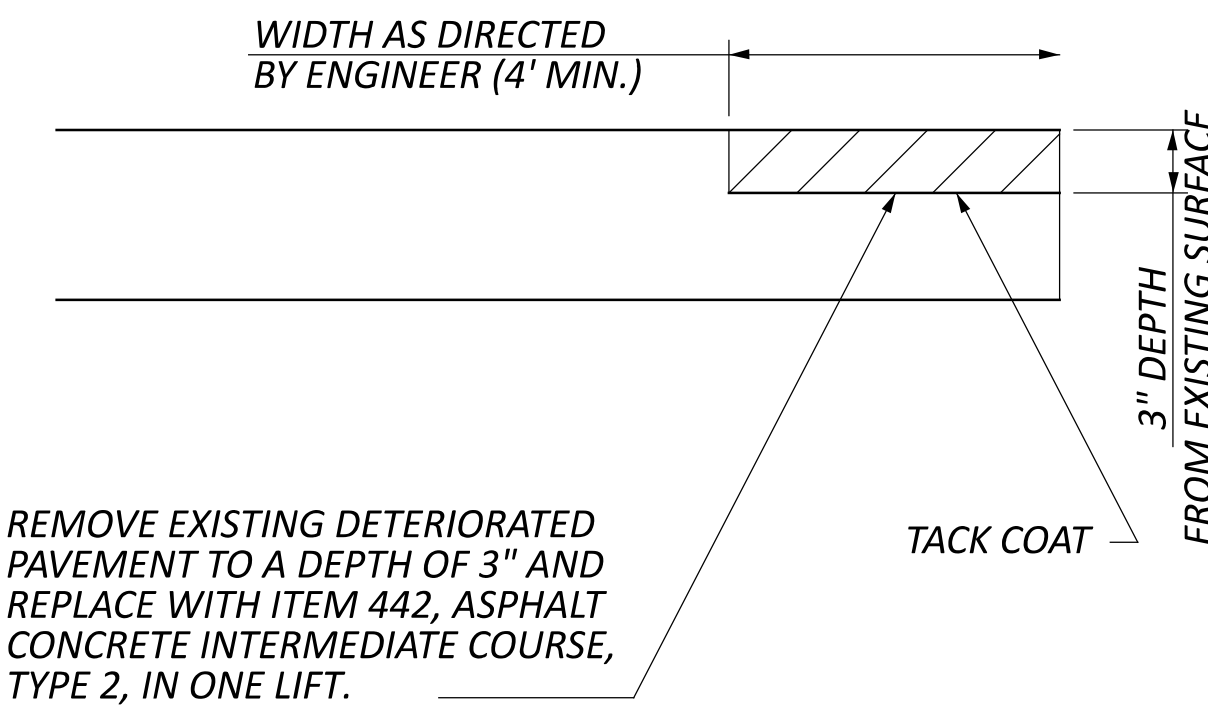
ITEM 617 - COMPACTED AGGREGATE

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.

ITEM 617 - COMPACTED AGGREGATE

01/S<2/05	150 CY
02/STR/05	25 CY
TOTAL	175 CY

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN



THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED AND CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442),AS PER PLAN

01/S<2/05	1000 SY
02/STR/05	250 SY
TOTALS:	1250 SY

DESIGN AGENCY



DESIGNER

EWW

REVIEWER

DMB 09-05-23

PROJECT ID

114622

SHEET TOTAL

3 8

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.

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.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

A MINIMUM OF 1 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

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

01/S<2/05	48 EACH
02/STR/05	2 EACH
TOTAL	50 EACH

ITEM 614, WORK ZONE CENTER LINE, CLASS III, 6", 642 PAINT

01/S<2/05	8.08 MILE
02/STR/05	2.48 MILE
TOTAL	10.56 MILE

ITEM 614, WORK ZONE EDGE LINE, CLASS III, 642 PAINT

01/S<2/05	13.52 MILE
02/STR/05	4.96 MILE
TOTAL	18.48 MILE

ITEM 614, WORK ZONE CHANNELIZING LINE, 8", CLASS III, 642 PAINT

01/S<2/05	200 FEET
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ITEM 614, WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT

01/S<2/05	522 FEET
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ITEM 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT

01/S<2/05	178 FEET
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ITEM 614, WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT

01/S<2/05	692 FEET
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ITEM 614, WORK ZONE ARROW, CLASS III, 642 PAINT

01/S<2/05	4 EACH
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ITEM 614, WORK ZONE RAILROAD MARKING, CLASS III, 642 PAINT

01/S<2/05	4 EACH
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ITEM 614, WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT

01/S<2/05	72 SQ FT
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DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 3.5 M. GAL.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

DESIGN AGENCY



DESIGNER

EWV

REVIEWER

DMB 09--05-23

PROJECT ID


114622

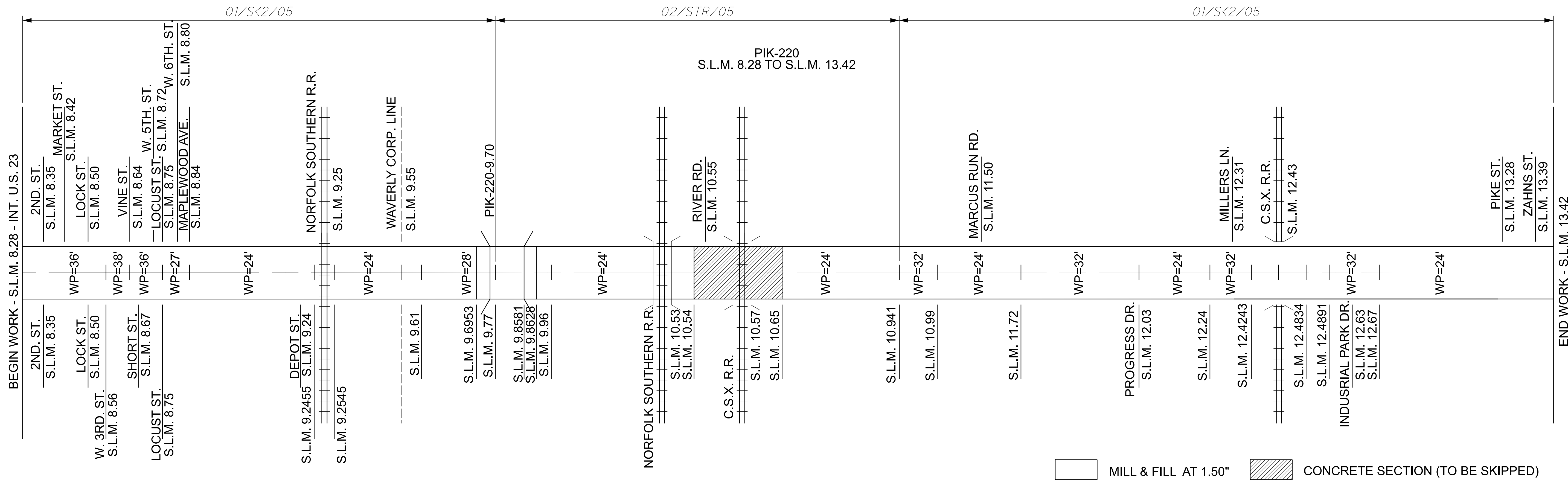
SHEET TOTAL

4 | 8

SHEET NUM.					PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	6	7	8	01/S<2/05	02/STR/05	03/STR/47						
					800	190	10	832	30000	1,000	EACH	EROSION CONTROL	
												EROSION CONTROL	
												DRAINAGE	
15					15			611	98630	15	EACH	CATCH BASIN ADJUSTED TO GRADE	
10					10			611	99654	10	EACH	MANHOLE ADJUSTED TO GRADE	
8					8			638	10900	8	EACH	SERVICE BOX ADJUSTED TO GRADE	
												PAVEMENT	
1,250					1,000	250		251	01021	1,250	SY	PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN	3
614					497	117		254	01600	614	SY	PATCHING PLANED SURFACE	3
		73,695			59,670	14,025		254	01000	73,695	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
		6,264			5,072	1,192		407	20000	6,264	GAL	NON-TRACKING TACK COAT	
		3,070			2,486	584		441	50000	3,070	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"	
175					150	25		617	10101	175	CY	COMPACTED AGGREGATE, AS PER PLAN	3
												TRAFFIC CONTROL	
				311	261	50		621	00100	311	EACH	RPM	
				311	261	50		621	54000	311	EACH	RAISED PAVEMENT MARKER REMOVED	
				9.24	6.76	2.48		644	00104	9.24	MILE	EDGE LINE, 6"	
				5.28	4.04	1.24		644	00300	5.28	MILE	CENTER LINE	
				100	100			644	00400	100	FT	CHANNELIZING LINE, 8"	
				89	89			644	00500	89	FT	STOP LINE	
				346	346			644	00620	346	FT	CROSSWALK LINE, 12"	
				261	261			644	00700	261	FT	TRANSVERSE/DIAGONAL LINE	
				36	36			644	00900	36	SF	ISLAND MARKING	
				2	2			644	01000	2	EACH	RAILROAD SYMBOL MARKING	
				301	301			644	01200	301	FT	PARKING LOT STALL MARKING	
				2	2			644	01300	2	EACH	LANE ARROW	
												STRUCTURE REPAIR (SFN 6602398)	
				295			295	512	10300	295	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
				2,949.7			2,949.7	512	10400	2,949.7	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
				10			10	519	12300	10	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
												STRUCTURE REPAIR (SFN 6602533)	
				137			137	512	10300	137	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
				1,367.7			1,367.7	512	10400	1,367.7	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
												MAINTENANCE OF TRAFFIC	
	50				48	2		614	12460	50	EACH	WORK ZONE MARKING SIGN	
	10.56				8.08	2.48		614	21550	10.56	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	18.48				13.52	4.96		614	22360	18.48	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
	200				200			614	23680	200	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	522				522			614	25620	522	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	
	178				178			614	26610	178	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	692				692			614	27250	692	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT	
	4				4			614	30650	4	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
	4				4			614	32210	4	EACH	WORK ZONE RAILROAD SYMBOL MARKING, CLASS III, 642 PAINT	
	72				72			614	32800	72	SF	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT	
	3.5				3.5			616	10000	3.5	MGAL	WATER	
												INCIDENTALS	
					0.8	0.19	0.01	614	11000	LS		MAINTAINING TRAFFIC	
					0.8	0.19	0.01	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
					0.8	0.19	0.01	624	10000	LS		MOBILIZATION	


GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
EWW
 REVIEWER
DMB 09-05-23
 PROJECT ID
114622
 SHEET TOTAL
 5 | 8



ROUTE	SPLITS	TYPICAL SECTION	LOG POINT TO LOG POINT	PAVEMENT DATA							
				LENGTH		WIDTH OF PAVING (WP)	PAVEMENT AREA	254	407	441	
				S.L.M. TO S.L.M.	MILES	FT	FT	SY	PAVEMENT PLANNING, ASPHALT CONCRETE, 1.5"	NON-TRACKING TACK COAT	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"
						SY	GAL	CY			
220	01/S<2/05	1	8.28 TO 8.56	0.28	1478.40	36	5914	5914	503	246	
	01/S<2/05	1	8.56 TO 8.64	0.08	422.40	38	1783	1783	152	74	
	01/S<2/05	1	8.64 TO 8.75	0.11	580.80	36	2323	2323	197	97	
	01/S<2/05	1	8.75 TO 8.84	0.09	47.52	27	143	143	12	6	
	01/S<2/05	2	8.84 TO 9.2455	0.4055	2141.04	24	5709	5709	485	238	
			9.2455 TO 9.2545	SUSPEND/RESUME FOR R.R. CROSSING (NORFOLK SOUTHERN .RR.)							
	01/S<2/05	2	9.2545 TO 9.61	0.3555	1877.04	24	5005	5005	425	209	
	01/S<2/05	2	9.61 TO 9.6953	0.0853	450.38	28	1401	1401	119	58	
			9.6953 TO 9.8628	SUSPEND/RESUME FOR PIK-220-9.70 (SEE STRUCTURE SHEET FOR DETAILS)							
	02/STR/05	2	9.8528 TO 9.96	0.1072	566.02	28	1761	1761	150	73	
	02/STR/05	2	9.96 TO 10.54	0.58	3062.40	24	8166	8166	694	340	
			10.54 TO 10.65	SUSPEND/RESUME FOR CONCRETE SECTION							
	02/STR/05	2	10.65 TO 10.941	0.291	1536.48	24	4097	4097	348	171	
	01/S<2/05	2	10.941 TO 10.99	0.049	258.72	32	920	920	78	38	
	01/S<2/05	2	10.99 TO 11.72	0.73	3854.40	24	10278	10278	874	428	
	01/S<2/05	2	11.72 TO 12.03	0.31	1636.80	32	5820	5820	495	242	
	01/S<2/05	2	12.03 TO 12.24	0.21	1108.80	24	2957	2957	251	123	
	01/S<2/05	2	12.24 TO 12.4243	0.1843	973.10	32	3460	3460	294	144	
			12.4243 TO 12.4891	SUSPEND/RESUME FOR PIK-220-12.43 (SEE STRUCTURE SHEET FOR DETAILS)							
	01/S<2/05	2	12.4891 TO 12.67	0.1809	955.15	32	3396	3396	289	142	
	01/S<2/05	2	12.67 TO 13.42	0.75	3960.00	24	10560	10560	898	440	
				01/S<2/05 TOTALS:				59670	5072	2486	
				02/STR/05 TOTALS:				14025	1192	584	
				TOTALS CARRIED TO GENERAL SUMMARY:				73695	6264	3070	

PAVEMENT CALCULATIONS


DESIGN AGENCY

 DESIGNER
EWW
 REVIEWER
DMB 09-05-23
 PROJECT ID
114622
 SHEET TOTAL
6 8

PIK-220-8.28

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/7/2023 TIME: 10:39:28 AM USER: ewoodbrl
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PLAN SPLITS	ST. ROUTE	S.L.M.		644										621					
				EDGE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 8"	STOP LINE	CROSSWALK LINE, 12"	TRANSVERSE / DIAGONAL LINE	ISLAND MARKING	RAILROAD SYMBOL MARKING	PARKING LOT STALL MARKING	LANE ARROW	RAISED PAVEMENT MARKER REMOVED	ONE-WAY		RPM		
															WHITE	YELLOW	WHITE / WHITE	YELLOW / YELLOW	WHITE / RED
FROM	TO	MILE	MILE	FT	FT	FT	FT	SQ FT	EACH	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
01/S<2/05	220	8.28	9.70																
		8.80	9.70	1.80										8				8	
		8.28	8.35										154						
		INT. U.S. 23					17	70											
		8.35	8.56										147						
		INT. 2ND ST.					34	140											
		INT. 3RD ST.					18	136											
		9.14											1						
		9.245					10												
		9.255					10												
		9.39											1						
02/STR/05		9.70	10.941	2.482	1.241									50				50	
01/S<2/05		10.941	13.42	4.958	2.479									253				250	3
		12.554	12.614		0.056				111	36									
		12.634	12.745		0.080	100			150				2						
TOTALS FOR 01/S<2/05				6.76	4.04	100	89	346	261	36	2	301	2	261				258	3
TOTALS FOR 02/STR/05				2.48	1.24									50				50	
SUBTOTALS:				9.24	5.28	100	89	346	261	36	2	301	2	311				308	3
TOTALS TO CARRY TO THE GENERAL SUMMARY:				9.24	5.28	100	89	346	261	36	2	301	2	311				311	

PAVEMENT MARKING SUB-SUMMARY


DESIGN AGENCY

 DESIGNER: EWW
 REVIEWER: DMB
 PROJECT ID: 114622
 SHEET: 7 TOTAL: 8

PIK-220-8.28

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/7/2023 TIME: 10:40:10 AM USER: ewoodbr
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SPLITS	BRIDGE NUMBER	LENGTH (APPROACH SLABS)	LENGTH (BRIDGE LIMITS)	WIDTH	BRIDGE DECK AREA	APPROACH SLAB AREA	512			512			519			COMMENTS	STRUCTURE FILE NUMBER
		FT	FT	FT	SY	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	SEALING OF CONCRETE BRIDGE DECKS WITH HMWM RESIN	PATCHING CONCRETE BRIDGE DECK - TYPE B	SY	SY	SY	SY	SY	SY		
03/STR/47	PIK-220-9.70	50	834.9	30	2783.00	166.70				2949.70	295.00	10			8 DEGREE R.F. SKEW	6602398	
03/STR/47	PIK-220-12.43	60	281.93	36	1127.70	240.00				1367.70	137.00				56 DEGREE L.F. SKEW	6602533	

STRUCTURE QUANTITIES

DESIGN AGENCY 

DESIGNER EWW
REVIEWER DMB 09-05-23
PROJECT ID 114622
SHEET 8 TOTAL 8