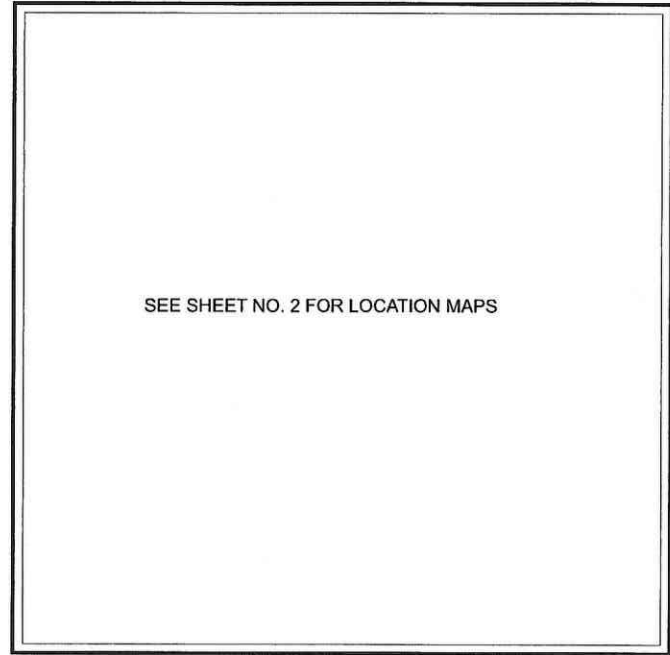


PIK - SR 104/SR 220/SR 551-06.62/00.00/00.00
 220552 PID - 114711
 Dist 9 10/13/2022

Contract Proposal available @ /00/0/29-9-155/027/401-PIK
 www.contracts.dot.state.oh.us



LOCATION MAP



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

DESIGN DESIGNATION

SEE SHEET NO. 2 FOR DESIGN DESIGNATION

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

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)



ENGINEER'S SEAL:

STATE OF OHIO
 COREY LEE COTTRELL
 E-81885
 REGISTERED PROFESSIONAL ENGINEER

SIGNED: *Corey L. Cottrell*
 DATE: 10/10/2022

**STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION**

**PIK-104/220/551-
 6.62/0.00/0.00**

NEWTON, PEBBLE, &
 PEE PEE TOWNSHIPS
 PIKE COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAPS	2
TYPICAL SECTIONS	3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC GENERAL SUMMARY	5
PAVEMENT CALCULATIONS	7-11
PAVEMENT MARKINGS	12
STRUCTURE QUANTITIES	13

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-2.1	1/21/22	TC-41.20	10/18/13	800 - SEE PROPOSAL	
BP-2.2	1/15/21	TC-41.50	10/18/13	832 10/19/18	
BP-3.1	1/21/22	TC-42.20	10/18/13	846 4/17/15	
BP-2.5	1/21/22	TC-52.10	10/18/13	874 4/17/20	
		TC-65.10	1/17/14		
		TC-65.11	7/21/17		
MT-96.11	4/16/21				
MT-96.20	7/15/16				
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				

FEDERAL PROJECT NUMBER

E220413

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THE RESURFACING OF 4.59 MILES OF S.R. 104, 8.28 MILES OF S.R. 220, AND 2.77 MILES OF S.R. 551. TREATMENT SHALL BE 1.5" MILL & FILL WITH PAVEMENT REPAIRS. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE USED THROUGHOUT ENTIRETY OF 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 AND CHANGES LISTED IN 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.

APPROVED *Michael J. ...*
 DATE 07-07-2022 DISTRICT DEPUTY DIRECTOR

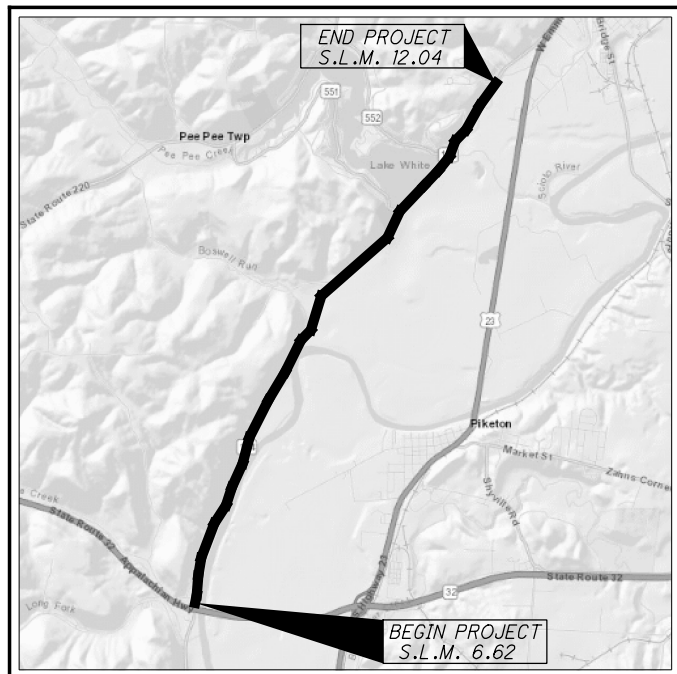
APPROVED *Jack ...*
 DATE 8-22-2022 DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET



DESIGN AGENCY	ZDR
DESIGNER	ZDR
REVIEWER	CLC 07-05-2022
PROJECT ID	114711
SHEET TOTAL	P.1 13

S.R. 104



LOCATION MAP

LATITUDE: 39°2'53" LONGITUDE: 83°3'5"

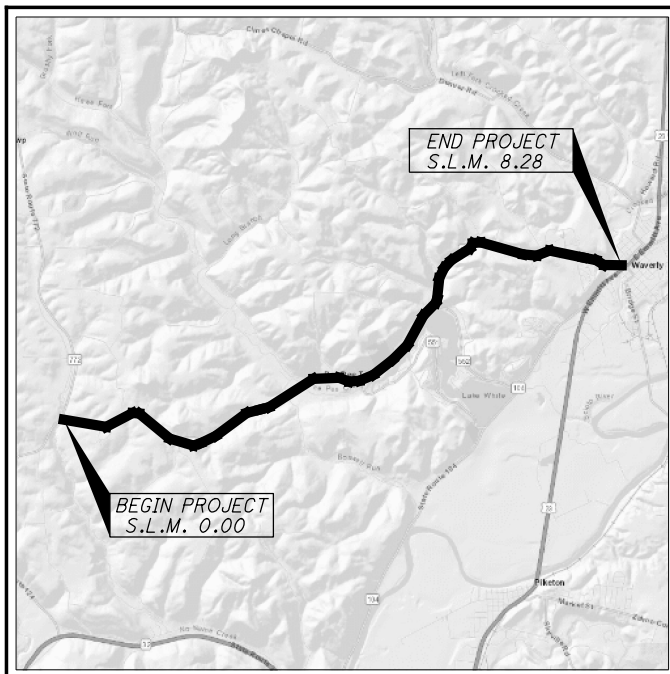


PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

CURRENT ADT (2021)	7,500
DESIGN HOURLY VOLUME (2020)	638
DIRECTIONAL DISTRIBUTION	69%
TRUCKS (24 HOUR B&C)	10%
DESIGN SPEED	55 MPH
LEGAL SPEED	VARIABLES 45 - 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
05 MAJOR COLLECTOR	
NHS PROJECT	NO

S.R. 220



LOCATION MAP

LATITUDE: 39°5'59" LONGITUDE: 83°6'48"

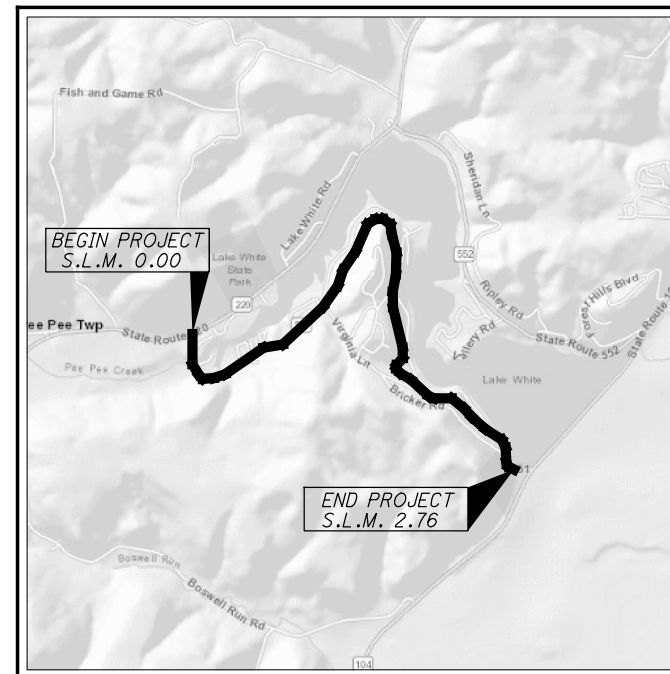


PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

CURRENT ADT (2021)	8,238
DESIGN HOURLY VOLUME (2017)	861
DIRECTIONAL DISTRIBUTION	52%
TRUCKS (24 HOUR B&C)	6%
DESIGN SPEED	55 MPH
LEGAL SPEED	VARIABLES 35 - 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
05 MAJOR COLLECTOR	
NHS PROJECT	NO

S.R. 551



LOCATION MAP

LATITUDE: 39°6'25" LONGITUDE: 83°2'43"



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

DESIGN DESIGNATION

CURRENT ADT (2021)	1,135
DESIGN HOURLY VOLUME (2020)	103
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	5%
DESIGN SPEED	55 MPH
LEGAL SPEED	40 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
05 MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN AGENCY



DESIGNER
ZDR

REVIEWER
CLC 07-05-2022

PROJECT ID
114711

SHEET TOTAL
P.2 | 13

NOTES

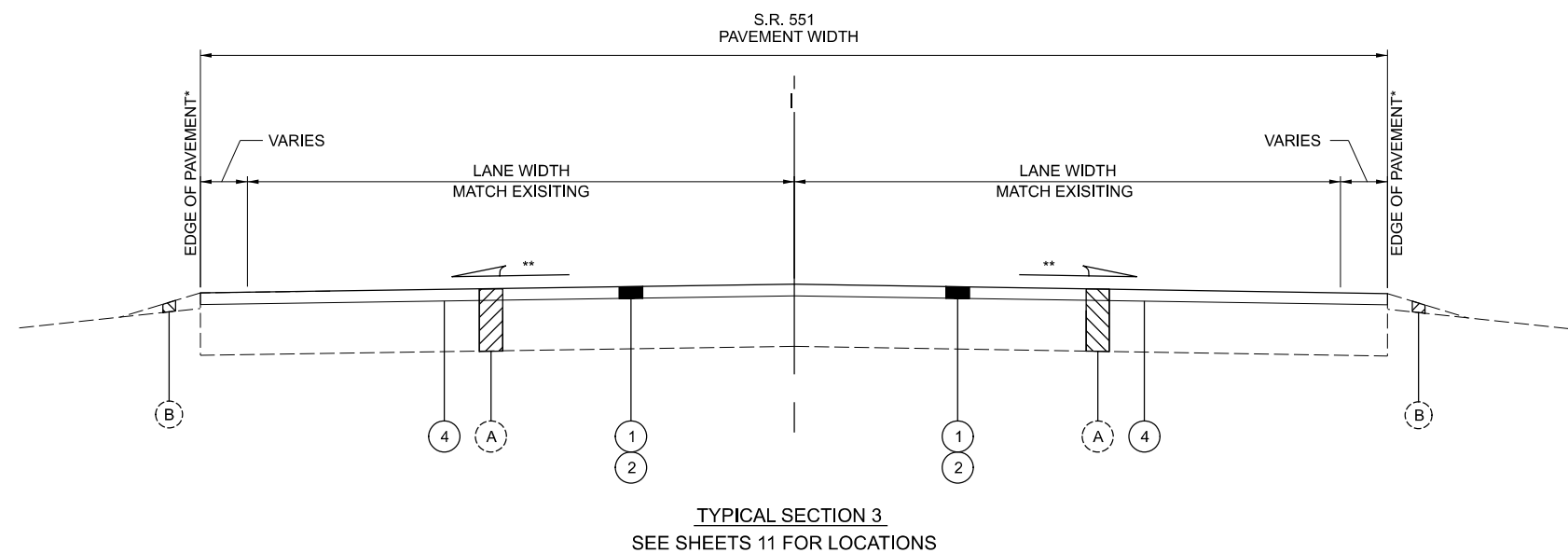
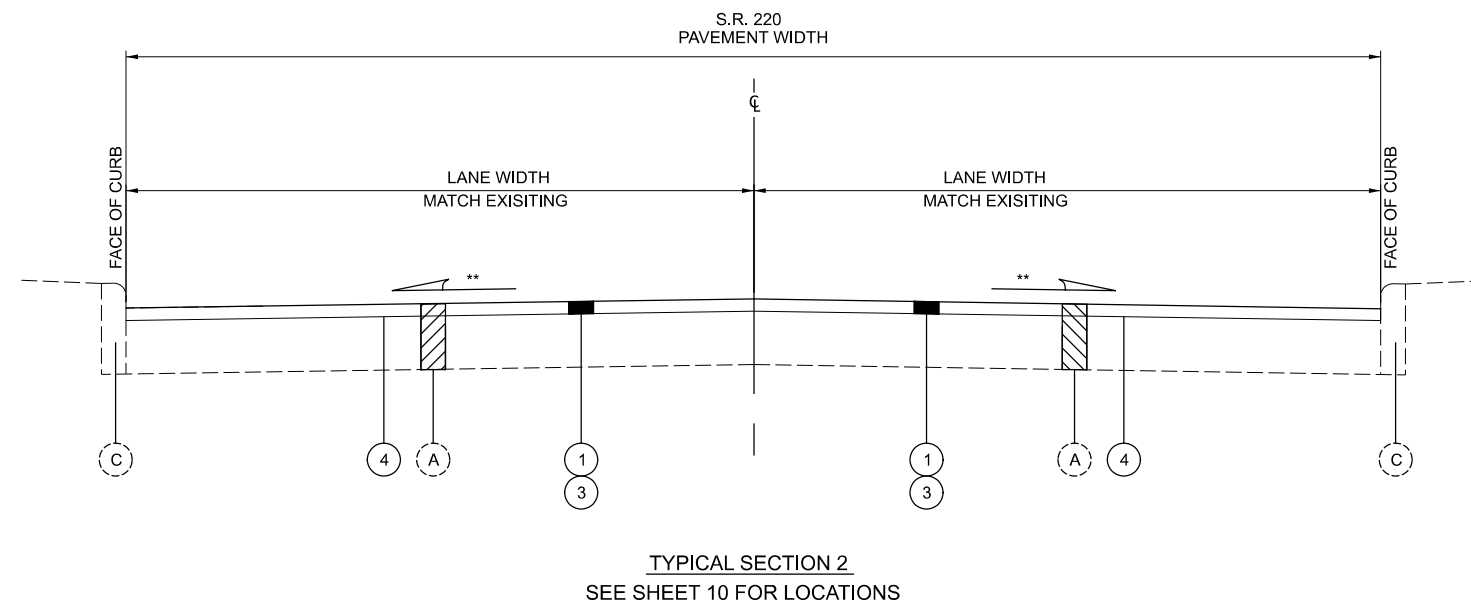
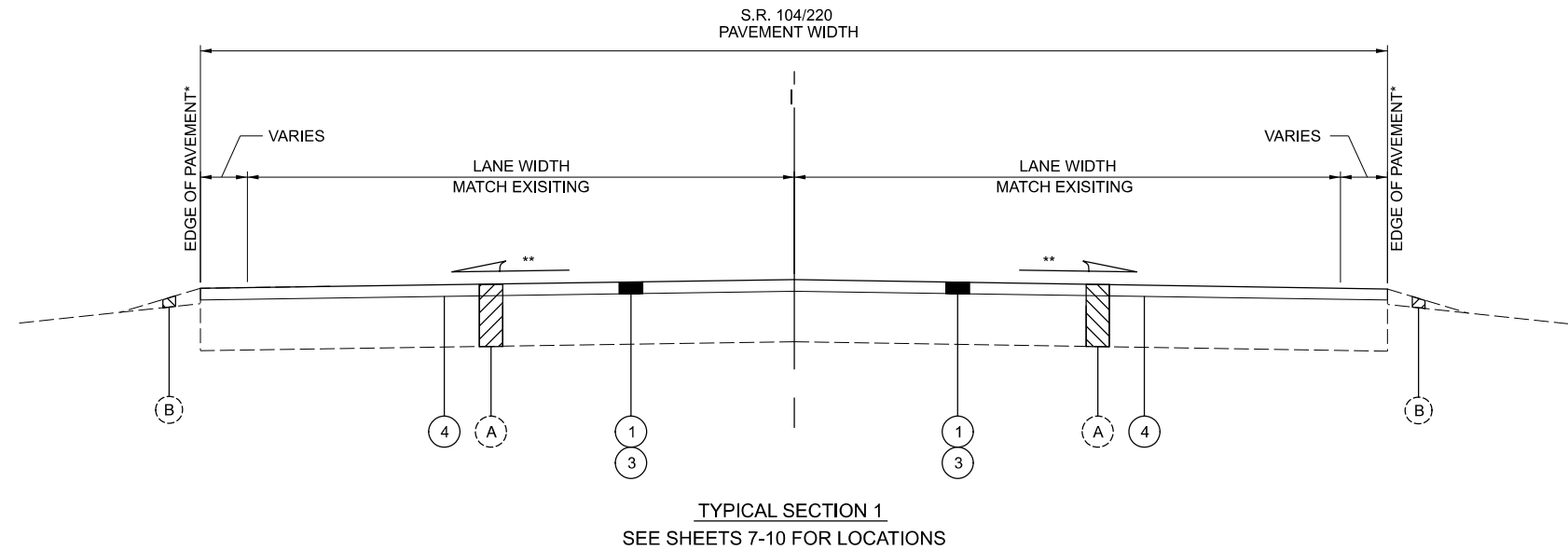
TYPICAL SECTIONS SHOWN ARE FOR TANGENT SECTION WITH NORMAL CROWN ONLY. TYPICAL SECTIONS FOR SUPERELEVATED SECTIONS AND SUPERELEVATED TRANSITION SECTIONS FOR CURVED SECTIONS SHALL FOLLOW THE EXISTING PAVEMENT UNLESS THE ENGINEER DIRECTS THAT A CORRECTION IS TO BE PERFORMED.

* 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 PLANNING. THE CONTRACTOR WILL LEAVE ALL UNDISTURBED BEFORE, DURING, AND AFTER CONSTRUCTION UNLESS NOTED OTHERWISE IN PLANS. MAINTAIN POSITIVE DRAINAGE AT EXISTING INLETS.



PAVEMENT LEGEND

- ① 441 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② 441 0.50" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ③ 254 1.50" PAVEMENT PLANING, ASPHALT CONCRETE
- ④ 407 NON-TRACKING TACK COAT

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

TYPICAL SECTIONS

PIK-104/220/551-6.62/0.00/0.00

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 7/7/2022 TIME: 1:51:06 PM USER: zrockwal pwc:\hobol-pw_bentley.com\shahidoc-pw-02\Documents\01 Active Projects\Distict 09\Pike\114711\400-Engineering\Roadway\Sheets\114711_GY001.dgn

DESIGN AGENCY



DESIGNER
ZDR

REVIEWER
CLC 07-05-2022

PROJECT ID
114711

SHEET TOTAL
P.3 | 13

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	75

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, PG64-22 AS SHOWN ON THE TYPICAL SECTIONS.

DISPOSAL OF ASPHALT GRINDINGS

ASPHALT GRINDINGS FROM THIS PROJECT ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

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: MANHOLE ADJUSTED TO GRADE 17 EACH
- ITEM 611: CATCH BASIN ADJUSTED TO GRADE 1 EACH
- ITEM 638: VALVE BOX ADJUSTED TO GRADE 4 EACH

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.

617 COMPACTED AGGREGATE

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR THE PURPOSE OF BERM REPAIRS.

670 CY 01/STR/PV
 517 CY 02/S<2/PV

TOTALS: 1187 CY

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 48,285 SQ.YD. (441)

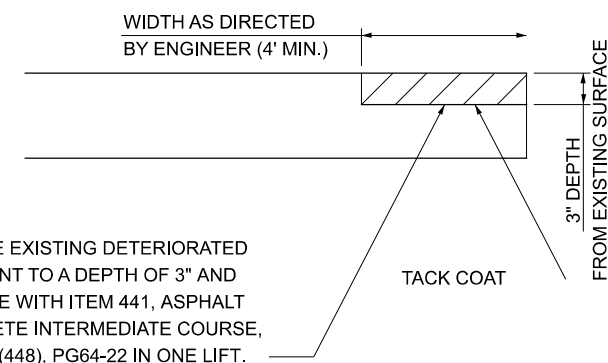
ITEM 632 DETECTOR LOOP

ALL LOOP DETECTORS WITH CORRESPONDING LOOP DETECTOR UNITS WILL BE INSTALLED TO CURRENT SPECIFICATIONS, IN ACCORDANCE WITH C&MS ITEMS 732.07.

PLAN INTENT IS REPLACE LOOPS AT CURRENT LOCATIONS. CONTRACTOR TO VERIFY LOOP LOCATIONS BEFORE REMOVAL. THE CONTRACTOR SHALL INFORM THE CITY OF HILLSBORO 3 WORK DAYS PRIOR TO WORKING IN THEIR TRAFFIC SIGNAL CONTROLLER CABINETS. CALL CITY OF WAVERLY SERVICE DIRECTOR AT 740-947-5543. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 632, DETECTOR LOOP 1 EACH

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)



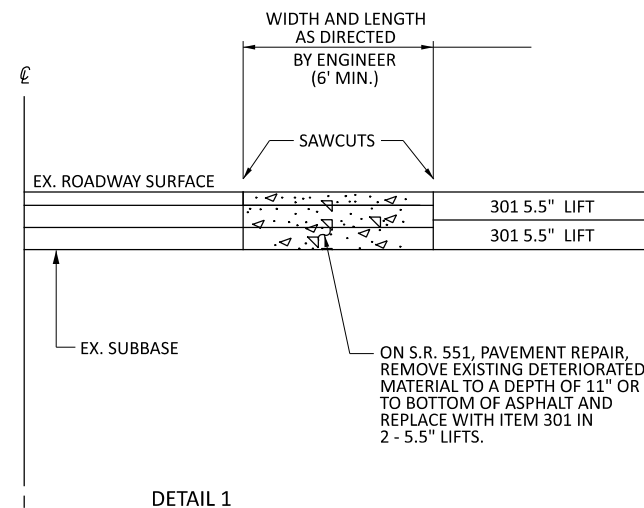
REMOVE EXISTING DETERIORATED PAVEMENT TO A DEPTH OF 3" AND REPLACE WITH ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22 IN ONE LIFT.

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 (441),AS PER PLAN

01/STR/PV TOTALS:	1520 SY
02/S<2/PV TOTALS:	1480 SY
TOTALS:	3000 SY

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN



ALL OF THE CONSTRUCTION REQUIREMENTS OF THE CMS FOR ITEM 253 SHALL APPLY AND BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWINGS BP-2.1, BP-2.2, AND BP-2.5.

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

ITEM 253, PAVEMENT REPAIR,(AS PER PLAN)
 PIK-551 02/S<2/PV 1000 SQ. YD.

DESIGN AGENCY	
DESIGNER	ZDR
REVIEWER	CLC 07-05-2022
PROJECT ID	114711
SHEET	P.4
TOTAL	13

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 1 LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT.

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 THE THE PHYSICAL SET UP 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 WITH OF DRIVEABLE 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 CALENDER DAYS PRIOR TO CLOSURE
	> 12 WEEKS & < 2 WEEKS	14 CALENDER DAYS PRIOR TO CLOSURE
	<= 12 WEEKS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDER DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDER DAYS PRIOR TO IMPLEMENTATION

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

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 IN 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.

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.

ITEM 614, MAINTAINING TRAFFIC (CONT'D)

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.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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 59 EACH
- ITEM 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT 54.30 MILE
- ITEM 614, WORK ZONE EDGE LINE, CLASS III, 642 PAINT 62.50 MILE
- ITEM 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 32 FT
- ITEM 614, WORK ZONE CHANELIZING LINE, CLASS III, 12", 642 PAINT 338 FT
- ITEM 614, WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT 82 SF
- ITEM 614, WORK ZONE ARROW, CLASS III, 642 PAINT 6 EACH
- ITEM 614, WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT 120 FT
- ITEM 614, WORK ZONE SCHOOL SYMBOL MARKING, 96", CLASS III, 642 PAINT 4 EACH

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 1 M. GAL.

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.

DESIGN AGENCY



DESIGNER

ZDR

REVIEWER

CLC 07-05-2022

PROJECT ID

114711

SHEET TOTAL

P.5 13

PIK-104/220/551-6.62/0.00/0.00

MODEL: Sheet PAPER: 17x11 (in.) DATE: 7/7/2022 TIME: 1:51:33 PM USER: zrockwal
 p:\vohodoc-pw-bentley.com\shahidoc-pw-02\Documents\01 Active Projects\Distict 09\PIKa\114711\1400-Engineering\Roadway\Sheets\114711_G0001.dgn

SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	8	9	10	11	12	13	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
ROADWAY																			
1											1			611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE	
17											17			611	99654	17	EACH	MANHOLE ADJUSTED TO GRADE	
4											4			638	10800	4	EACH	VALVE BOX ADJUSTED TO GRADE	
1											1			632	26500	1	EACH	DETECTOR LOOP	
PAVEMENT																			
3,000										1,520	1,480			251	01001	3,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN	
1,000											1,000			253	01001	1,000	SY	PAVEMENT REPAIR, AS PER PLAN	
48,285										30,098	18,187			254	01600	48,285	SY	PATCHING PLANED SURFACE	
			70,153	10,772	69,330	55,209				150,490	54,974			254	01000	205,464	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
			5,963	916	5,893	4,693	6,113			12,792	10,786			407	20000	23,578	GAL	NON-TRACKING TACK COAT	
			2,923	449	2,889	2,300	1,498			6,271	3,788			441	50000	10,059	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
							499				499			441	70300	499	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
			8	1.18			5.4			7.56	7.02			209	60500	14.58	MILE	LINEAR GRADING	
1											1			616	10000	1	MGAL	WATER	
1,187										670	517			617	10100	1,187	CY	COMPACTED AGGREGATE	
			4	0.59	4.58	2.28				9.33	2.12			618	43000	11.45	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
			4	0.59	4.58	2.28				9.33	2.12			874	21000	11.45	MILE	LONGITUDINAL JOINT PREPARATION	
TRAFFIC CONTROL																			
								31.25		18.96	12.29			644	00104	31.25	MILE	EDGE LINE, 6"	
								15.83		9.58	6.25			644	00300	15.83	MILE	CENTER LINE	
								169			169			644	00404	169	FT	CHANNELIZING LINE, 12"	
								41			41			644	00900	41	SF	ISLAND MARKING	
								3			3			644	01300	3	EACH	LANE ARROW	
								60			60			644	00620	60	FT	CROSSWALK LINE, 12"	
								16			16			644	00500	16	FT	STOP LINE	
								2			2			644	01110	2	EACH	SCHOOL SYMBOL MARKING, 96"	
								160			160			644	01200	160	FT	PARKING LOT STALL MARKING	
								1,160		699	461			621	54000	1,160	EACH	RAISED PAVEMENT MARKER REMOVED	
								1,160		699	461			621	00100	1,160	EACH	RPM	
STRUCTURE REPAIR (PIK-104-9.19 SFN: 6601022)																			
								38				38		846	00110	38	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
STRUCTURE REPAIR (PIK-220-5.32 SFN: 6602282)																			
								417				417		512	10400	417	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
								21				21		512	10300	21	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
STRUCTURE REPAIR (PIK-551-0.14 SFN: 6603173)																			
								548				548		512	10400	548	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
								28				28		512	10300	28	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
MAINTENANCE OF TRAFFIC																			
	59									20	39			614	12460	59	EACH	WORK ZONE MARKING SIGN	
	62.5									37.92	24.58			614	22360	62.5	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
	54.3									37.82	16.48			614	21550	54.3	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	32										32			614	26610	32	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	338										338			614	23690	338	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	
	82										82			614	32800	82	SF	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT	
	6										6			614	30650	6	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
	120										120			614	27250	120	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT	
	4										4			614	31750	4	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 96", CLASS III, 642 PAINT	
INCIDENTALS																			
														614	11000		LS	MAINTAINING TRAFFIC	
														623	10000		LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
														624	10000		LS	MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

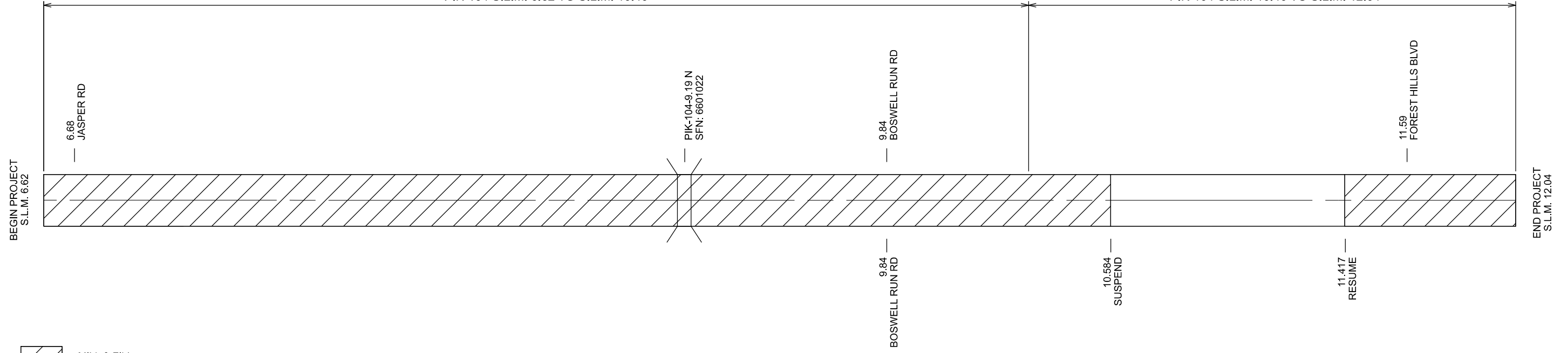
 DESIGNER
ZDR
 REVIEWER
 CLC 07-05-2022
 PROJECT ID
 114711
 SHEET TOTAL
 P.6 | 13

* EXISTING PAVEMENT LEGEND

+ = PAVEMENT WIDTH CHANGE

SECTION 1
01/STR/PV
PIK-104 S.L.M. 6.62 TO S.L.M. 10.40

SECTION 2
02/S<2/PV
PIK-104 S.L.M. 10.40 TO S.L.M. 12.04



MILL & FILL

ROUTE	SPLITS	TYPICAL SECTIONS	LOG POINT TO LOG POINT	PAVEMENT DATA												
				LENGTH		WIDTH OF PAVING (WP)	PAVEMENT AREA	254	407	441	618	874	209			
				S.L.M. TO S.L.M.	MILES	FT	FT	SY	SY	GAL	CY	MILE	MILE	MILE		
104	01/STR/PV	1	6.620 TO 6.635	0.015	80	54	480.0		480.00	40.80	20.00		0.015	0.015	0.03	
	01/STR/PV	1	6.635 TO 6.650	0.015	80	51	453.3		453.33	38.53	18.89		0.015	0.015	0.03	
	01/STR/PV	1	6.650 TO 6.664	0.014	74	49	402.9		402.89	34.25	16.79		0.014	0.014	0.03	
	01/STR/PV	1	6.664 TO 6.673	0.009	46	47	240.2		240.22	20.42	10.01		0.009	0.009	0.02	
	01/STR/PV	1	6.673 TO 6.686	0.013	69	43	329.7		329.67	28.02	13.74		0.013	0.013	0.03	
	01/STR/PV	1	6.686 TO 6.692	0.006	30	39	130.0		130.00	11.05	5.42		0.006	0.006	0.01	
	01/STR/PV	1	6.692 TO 6.694	0.002	8	36	32.0		32.00	2.72	1.33		0.002	0.002	0.004	
	01/STR/PV	1	6.694 TO 6.701	0.007	37	31	127.4		127.44	10.83	5.31		0.007	0.007	0.01	
	01/STR/PV	1	6.701 TO 7.054	0.353	1866	29	6012.7		6012.67	511.08	250.53		0.353	0.353	0.71	
	01/STR/PV	1	7.054 TO 7.145	0.091	480	30	1600.0		1600.00	136.00	66.67		0.091	0.091	0.18	
	01/STR/PV	1	7.145 TO 9.190	2.045	10800	29	34800.0		34800.00	2958.00	1450.00		2.045	2.045	4.09	
	01/STR/PV	1	9.190 TO 9.215	0.025	133	27.5	406.4		406.39	34.54	16.93		0.025	0.025	0.05	
	01/STR/PV	1	9.215 TO 9.328	0.113	595	30	1983.3		1983.33	168.58	82.64		0.113	0.113	0.23	
	01/STR/PV	1	9.328 TO 10.286	0.958	5058	29	16298.0		16298.00	1385.33	679.08		0.958	0.958	1.92	
01/STR/PV	1	10.286 TO 10.400	0.114	602	31	2073.6		2073.56	176.25	86.40		0.114	0.114	0.23		
02/S<2/PV	02/S<2/PV	1	10.400 TO 10.411	0.011	58	31	199.8		199.78	16.98	8.32		0.011	0.011	0.02	
	02/S<2/PV	1	10.411 TO 10.494	0.083	436	29	1404.9		1404.89	119.42	58.54		0.083	0.083	0.17	
	02/S<2/PV	1	10.494 TO 10.513	0.019	99	34	374.0		374.00	31.79	15.58		0.019	0.019	0.04	
	02/S<2/PV	1	10.513 TO 10.522	0.009	46	37	189.1		189.11	16.07	7.88		0.009	0.009	0.02	
	02/S<2/PV	1	10.522 TO 10.584	0.062	327	41	1489.7		1489.67	126.62	62.07		0.062	0.062	0.12	
	02/S<2/PV	1	10.584 TO 11.417	0.833	4399	N/A										
	02/S<2/PV	1	11.417 TO 11.451	0.034	181	56	1126.2		1126.22	95.73	46.93		0.034	0.034	0.07	
CONTINUED ON NEXT SHEET																
01/STR/PV TOTALS:									65370	5556	2724		3.78	3.78	7.56	
02/S<2/PV TOTALS:									4784	407	199		0.22	0.22	0.4	
TOTALS CARRIED TO GENERAL SUMMARY:									70153	5963	2923		4.00	4.00	8.00	

PAVEMENT CALCULATIONS

PIK-104/220/551-6.62/0.00/0.00

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DESIGN AGENCY

DESIGNER
ZDR

REVIEWER
CLC 07-05-2022

PROJECT ID
114711

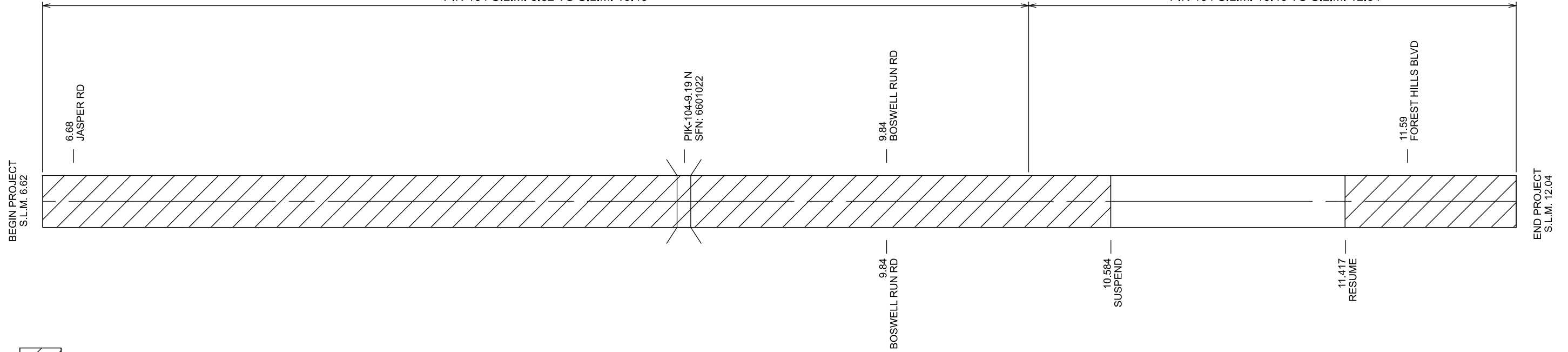
SHEET TOTAL
P.7 | 13

* EXISTING PAVEMENT LEGEND

+ = PAVEMENT WIDTH CHANGE

SECTION 1
01/STR/PV
PIK-104 S.L.M. 6.62 TO S.L.M. 10.40

SECTION 2
02/S<2/PV
PIK-104 S.L.M. 10.40 TO S.L.M. 12.04



MILL & FILL

PAVEMENT DATA

ROUTE	SPLITS	TYPICAL SECTIONS	LOG POINT TO LOG POINT	PAVEMENT DATA											
				LENGTH		WIDTH OF PAVING (WP)	PAVEMENT AREA	254	407	441		618	874	209	
				MILES	FT	FT	SY	SY	GAL	CY		MILE	MILE	MILE	
104	02/S<2/PV	1	11.451 TO 11.466	0.015	79	51	447.7	447.67	38.05	18.65		0.015	0.015	0.03	
	02/S<2/PV	1	11.466 TO 11.469	0.003	18	46	92.0	92.00	7.82	3.83		0.003	0.003	0.01	
	02/S<2/PV	1	11.469 TO 11.501	0.032	170	45	850.0	850.00	72.25	35.42		0.032	0.032	0.06	
	02/S<2/PV	1	11.501 TO 11.527	0.026	137	43	654.6	654.56	55.64	27.27		0.026	0.026	0.05	
	02/S<2/PV	1	11.527 TO 11.530	0.003	15	40	66.7	66.67	5.67	2.78		0.003	0.003	0.01	
	02/S<2/PV	1	11.530 TO 11.531	0.001	7	37	28.8	28.78	2.45	1.20		0.001	0.001	0.00	
	02/S<2/PV	1	11.531 TO 11.536	0.005	29	34	109.6	109.56	9.31	4.56		0.005	0.005	0.01	
	02/S<2/PV	1	11.536 TO 11.550	0.014	72	31	248.0	248.00	21.08	10.33		0.014	0.014	0.03	
	02/S<2/PV	1	11.550 TO 11.664	0.114	604	28	1879.1	1879.11	159.72	78.30		0.114	0.114	0.23	
	02/S<2/PV	1	11.664 TO 12.040	0.375	1985	29	6396.1	6396.11	543.67	266.50		0.375	0.375	0.75	
02/S<2/PV TOTALS:								10772	916	449		0.59	0.59	1.18	
TOTALS CARRIED TO GENERAL SUMMARY:								10772	916	449		0.59	0.59	1.18	

PAVEMENT CALCULATIONS

PIK-104/220/551-6.62/0.00/0.00

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DESIGN AGENCY



DESIGNER
ZDR

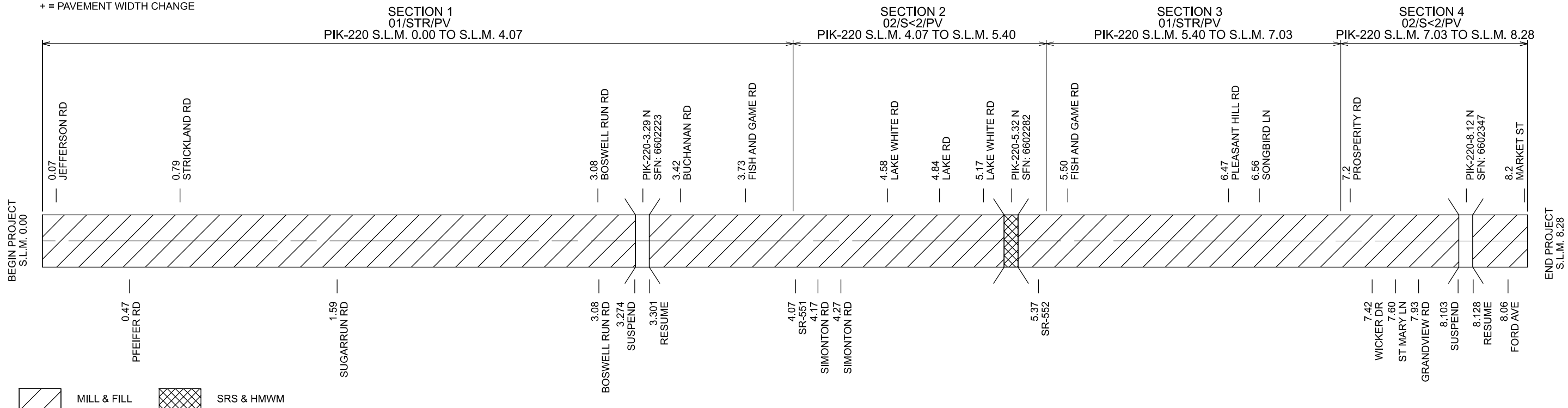
REVIEWER
CLC 07-05-2022

PROJECT ID
114711

SHEET TOTAL
P.8 | 13

* EXISTING PAVEMENT LEGEND

+ = PAVEMENT WIDTH CHANGE



PAVEMENT DATA

ROUTE	SPLITS	TYPICAL SECTIONS	LOG POINT TO LOG POINT	LENGTH		WIDTH OF PAVING (WP)	PAVEMENT AREA	PAVEMENT DATA						
				S.L.M. TO S.L.M.	MILES			FT	SY	254	407	441	618	874
										PAVEMENT PLANNING, ASPHALT CONCRETE, 1.5"	NON-TRACKING TACK COAT	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	LONGITUDINAL JOINT PREPARATION
						SY	GAL	CY	MILE	MILE				
220	01/STR/PV	1	0.00 TO 0.002	0.002	9	55	55.0	55.00	4.68	2.29	0.002	0.002		
	01/STR/PV	1	0.002 TO 0.005	0.003	14	45	70.0	70.00	5.95	2.92	0.003	0.003		
	01/STR/PV	1	0.005 TO 0.011	0.006	30	35	116.7	116.67	9.92	4.86	0.006	0.006		
	01/STR/PV	1	0.011 TO 0.013	0.002	12	29	38.7	38.67	3.29	1.61	0.002	0.002		
	01/STR/PV	1	0.013 TO 0.057	0.044	234	28	728.0	728.00	61.88	30.33	0.044	0.044		
	01/STR/PV	1	0.057 TO 0.131	0.074	393	26	1135.3	1135.33	96.50	47.31	0.074	0.074		
	01/STR/PV	1	0.131 TO 0.741	0.610	3223	24	8594.7	8594.67	730.55	358.11	0.610	0.610		
	01/STR/PV	1	0.741 TO 0.778	0.037	195	28	606.7	606.67	51.57	25.28	0.037	0.037		
	01/STR/PV	1	0.778 TO 1.135	0.357	1887	25	5241.7	5241.67	445.54	218.40	0.357	0.357		
	01/STR/PV	1	1.135 TO 1.416	0.281	1486	23	3797.6	3797.56	322.79	158.23	0.281	0.281		
	01/STR/PV	1	1.416 TO 1.726	0.310	1639	24	4370.7	4370.67	371.51	182.11	0.310	0.310		
	01/STR/PV	1	1.726 TO 1.996	0.270	1424	23	3639.1	3639.11	309.32	151.63	0.270	0.270		
	01/STR/PV	1	1.996 TO 2.290	0.294	1553	26	4486.4	4486.44	381.35	186.94	0.294	0.294		
	01/STR/PV	1	2.290 TO 3.274	0.984	5197	28	16168.4	16168.44	1374.32	673.69	0.984	0.984		
			3.274 TO 3.301	0.027	145	N/A								
	01/STR/PV	1	3.301 TO 4.052	0.751	3966	28	12338.7	12338.67	1048.79	514.11	0.751	0.751		
	01/STR/PV	1	4.052 TO 4.055	0.003	18	32	64.0	64.00	5.44	2.67	0.003	0.003		
	01/STR/PV	1	4.055 TO 4.068	0.013	70	34	264.4	264.44	22.48	11.02	0.013	0.013		
	01/STR/PV	1	4.068 TO 4.070	0.002	11	29	35.4	35.44	3.01	1.48	0.002	0.002		
	02/S<2/PV	1	4.070 TO 4.073	0.003	14	29	45.1	45.11	3.83	1.88	0.003	0.003		
	02/S<2/PV	1	4.073 TO 4.608	0.535	2825	24	7533.3	7533.33	640.33	313.89	0.535	0.535		
CONTINUED ON NEXT SHEET														
01/STR/PV TOTALS:								61751	5249	2573	4.04	4.04		
02/S<2/PV TOTALS:								7578	644	316	0.54	0.54		
TOTALS CARRIED TO GENERAL SUMMARY:								69330	5893	2889	4.58	4.58		

PAVEMENT CALCULATIONS

DESIGN AGENCY



DESIGNER
ZDR

REVIEWER
CLC 07-05-2022

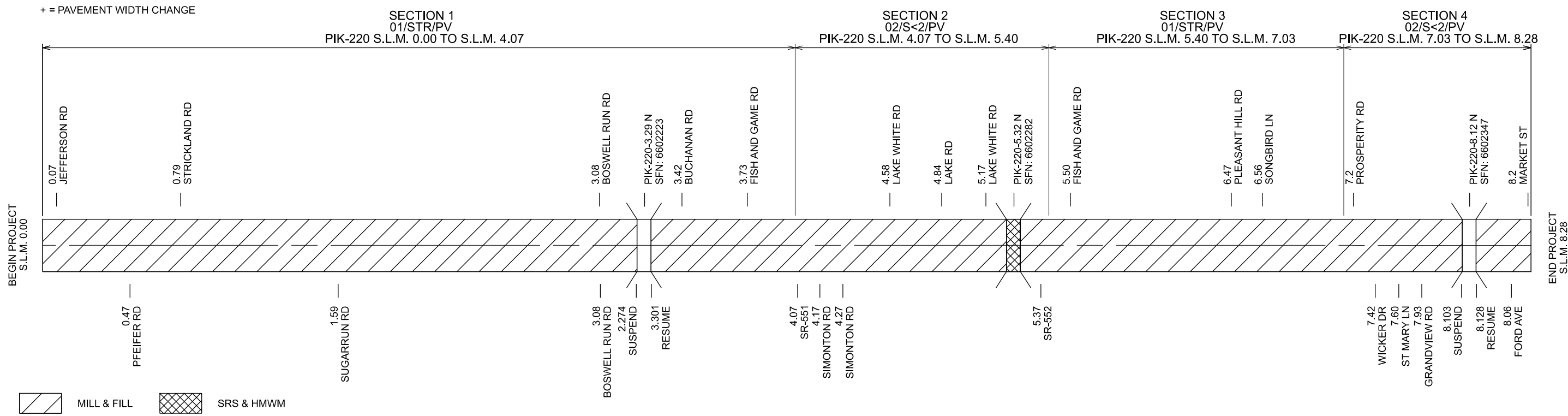
PROJECT ID
114711

SHEET TOTAL
P.9 13

PIK-104/220/551-6.62/0.00/0.00

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* EXISTING PAVEMENT LEGEND
 + = PAVEMENT WIDTH CHANGE



PAVEMENT DATA

ROUTE	SPLITS	TYPICAL SECTIONS	LOG POINT TO LOG POINT	PAVEMENT DATA													
				LENGTH	WIDTH OF PAVING (WP)	PAVEMENT AREA	254		407		441		618		874		
							SY	GAL	CY	MILE	MILE	SY	GAL	CY	MILE	MILE	
220	02/S<2/PV	1	4.608 TO 5.266	0.658	3475	28	10811.1	10811.11	918.94	450.46	0.658	0.658					
	02/S<2/PV	1	5.266 TO 5.295	0.029	153	34	578.0	578.00	49.13	24.08	0.029	0.029					
	02/S<2/PV	1	5.295 TO 5.304	0.009	50	38	211.1	211.11	17.94	8.80	0.009	0.009					
	03/STR/BR	1	5.304 TO 5.322	0.018	97	N/A		SUSPEND / RESUME SEE STRUCTURE SHEET									
	02/S<2/PV	1	5.322 TO 5.338	0.016	82	38	346.2	346.22	29.43	14.43	0.016	0.016					
	02/S<2/PV	1	5.338 TO 5.346	0.008	40	45	200.0	200.00	17.00	8.33	0.008	0.008					
	02/S<2/PV	1	5.346 TO 5.363	0.017	92	44	449.8	449.78	38.23	18.74	0.017	0.017					
	02/S<2/PV	1	5.363 TO 5.368	0.005	27	38	114.0	114.00	9.69	4.75	0.005	0.005					
	02/S<2/PV	1	5.368 TO 5.386	0.018	93	35	361.7	361.67	30.74	15.07	0.018	0.018					
	02/S<2/PV	1	5.386 TO 5.400	0.014	75	28	233.3	233.33	19.83	9.72	0.014	0.014					
	01/STR/PV	1	5.400 TO 5.436	0.036	188	26	543.1	543.11	46.16	22.63	0.036	0.036					
	01/STR/PV	1	5.436 TO 5.698	0.262	1382	24	3685.3	3685.33	313.25	153.56	0.262	0.262					
	01/STR/PV	1	5.698 TO 6.369	0.671	3542	25	9838.9	9838.89	836.31	409.95	0.671	0.671					
	01/STR/PV	1	6.369 TO 7.030	0.661	3488	24	9301.3	9301.33	790.61	387.56	0.661	0.661					
	02/S<2/PV	1	7.030 TO 7.113	0.083	438	24	1168.0	1168.00	99.28	48.67							
	02/S<2/PV	1	7.113 TO 7.337	0.224	1185	25	3291.7	3291.67	279.79	137.15							
	02/S<2/PV	1, 2	7.337 TO 7.919	0.582	3073	24	8194.7	8194.67	696.55	341.44							
	02/S<2/PV	2	7.919 TO 8.023	0.104	550	25	1527.8	1527.78	129.86	63.66							
	02/S<2/PV	2	8.023 TO 8.103	0.080	421	27	1263.0	1263.00	107.36	52.63							
		2	8.103 TO 8.128	0.025	133	N/A		SUSPEND / RESUME									
	02/S<2/PV	2	8.128 TO 8.135	0.007	37	27	111.0	111.00	9.44	4.63							
	02/S<2/PV	2	8.135 TO 8.280	0.145	766	35	2978.9	2978.89	253.21	124.12							
01/STR/PV TOTALS:								23369	1986	974	1.51	1.51					
02/S<2/PV TOTALS:								31840	2706	1327	0.77	0.77					
TOTALS CARRIED TO GENERAL SUMMARY:								55209	4693	2300	2.28	2.28					

PAVEMENT CALCULATIONS

DESIGN AGENCY

DESIGNER
ZDR

REVIEWER
CLC 07-05-2022

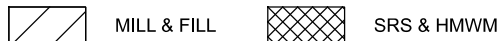
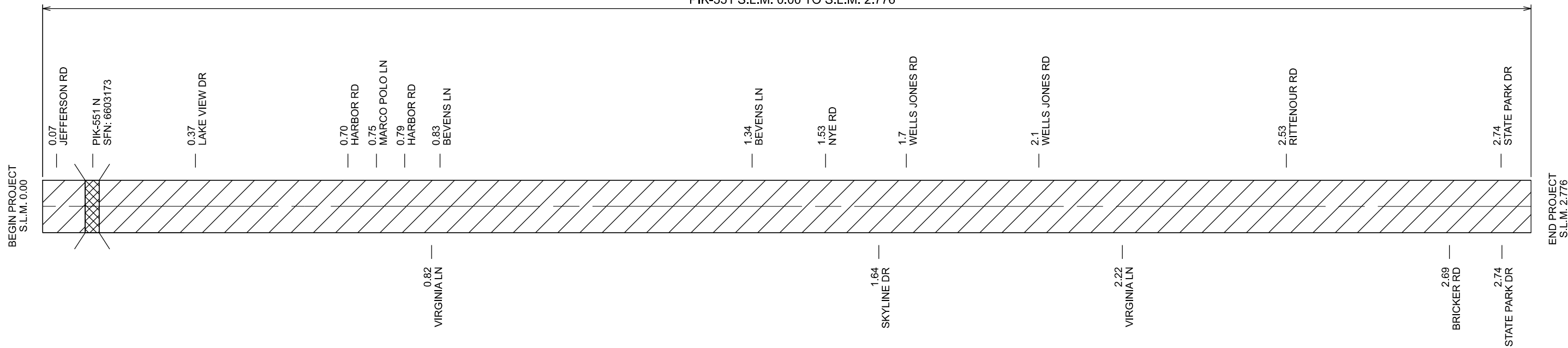
PROJECT ID
114711

SHEET TOTAL
P.10 13

* EXISTING PAVEMENT LEGEND

+ = PAVEMENT WIDTH CHANGE

SECTION 1
 02/S<2/PV
 PIK-551 S.L.M. 0.00 TO S.L.M. 2.776



ROUTE	SPLITS	TYPICAL SECTIONS	LOG POINT TO LOG POINT	PAVEMENT DATA												
				LENGTH		WIDTH OF PAVING (WP)	PAVEMENT AREA	441	407	441	209					
				S.L.M. TO S.L.M.	MILES	FT	FT	SY	SY	GAL	CY	MILE				
551	02/S<2/PV	3	0.00 TO 0.001	0.001	6	65	43.3	0.60	7.37	1.81	0.002					
	02/S<2/PV	3	0.001 TO 0.003	0.002	9	53	53.0	0.74	9.01	2.21	0.003					
	02/S<2/PV	3	0.003 TO 0.005	0.002	9	43	43.0	0.60	7.31	1.79	0.003					
	02/S<2/PV	3	0.005 TO 0.007	0.002	12	36	48.0	0.67	8.16	2.00	0.005					
	02/S<2/PV	3	0.007 TO 0.010	0.003	14	30	46.7	0.65	7.93	1.94	0.01					
	02/S<2/PV	3	0.010 TO 0.013	0.003	15	26	43.3	0.60	7.37	1.81	0.01					
	02/S<2/PV	3	0.013 TO 0.022	0.009	48	23	122.7	1.70	20.85	5.11	0.02					
	02/S<2/PV	3	0.022 TO 0.130	0.108	568	22	1388.4	19.28	236.04	57.85	0.22					
	02/S<2/PV	3	0.130 TO 0.133	0.003	14	23	35.8	0.50	6.08	1.49	0.01					
	02/S<2/PV	3	0.133 TO 0.150	0.017	90	27	270.0	3.75	45.90	11.25	0.03					
	04/S<2/BR	3	0.150 TO 0.183	0.033	173	N/A										
	02/S<2/PV	3	0.183 TO 0.666	0.438	2315	22	5658.9	78.60	962.01	235.79	0.88					
	02/S<2/PV	3	0.666 TO 1.268	0.602	3179	21	7417.7	103.02	1261.00	309.07	1.20					
	02/S<2/PV	3	1.268 TO 1.346	0.078	414	23	1058.0	14.69	179.86	44.08	0.16					
	02/S<2/PV	3	1.346 TO 1.385	0.039	208	25	577.8	8.02	98.22	24.07	0.08					
	02/S<2/PV	3	1.385 TO 1.904	0.519	2739	22	6695.3	92.99	1138.21	278.97	1.04					
	02/S<2/PV	3	1.904 TO 2.081	0.177	932	25	2588.9	35.96	440.11	107.87	0.35					
	02/S<2/PV	3	2.081 TO 2.133	0.052	273	22	667.3	9.27	113.45	27.81	0.10					
	02/S<2/PV	3	2.133 TO 2.411	0.278	1469	25	4080.6	56.67	693.69	170.02	0.56					
	02/S<2/PV	3	2.411 TO 2.554	0.143	754	22	1843.1	25.60	313.33	76.80	0.29					
	02/S<2/PV	3	2.554 TO 2.766	0.212	1121	25	3113.9	43.25	529.36	129.75	0.42					
	02/S<2/PV	3	2.766 TO 2.768	0.002	10	27	30.0	0.42	5.10	1.25	0.004					
	02/S<2/PV	3	2.768 TO 2.776	0.008	42	29	135.3	1.88	23.01	5.64	0.02					
02/S<2/PV TOTALS:								499	6113	1498	5.4					
TOTALS CARRIED TO GENERAL SUMMARY:								499	6113	1498	5.4					

DESIGN AGENCY



DESIGNER

ZDR

REVIEWER

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PAVEMENT CALCULATIONS

PIK-104/220/551-6.62/0.00/0.00

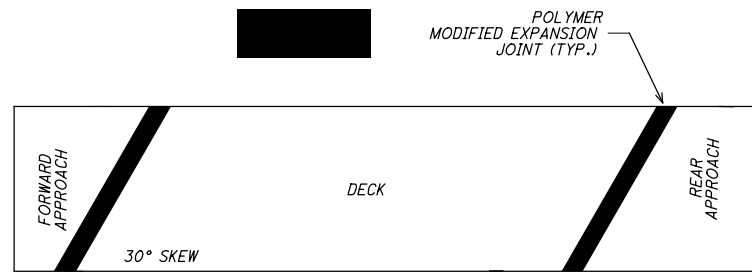
MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 7/7/2022 TIME: 1:52:20 PM USER: zrockwal
 p:\vohobol-pw-bentley.com\shahid-pw-02\Documents\01 Active Projects\Distict 09\PIK\1147\1140C-Engineering\Roadway\Sheets\114711_GC006.dgn

SPLITS	TYPICAL SECTIONS	ROUTE	S.L.M.		LENGTH FT	644											621					COMMENTS		
			FROM	TO		EDGE LINE, 6" MILE	CENTER LINE MILE	CHANNELIZING LINE, 12" FT	ISLAND MARKING SF	LANE ARROW EACH	CROSSWALK LINE, 12" FT	STOP LINE FT	SCHOOL SYMBOL MARKING, 96" EACH	PARKING LOT STALL MARKING FT	RAISED PAVEMENT MARKER REMOVED REMOVED EACH	RPM								
																ONE WAY		TWO WAY						
																WHITE		YELLOW / YELLOW			EACH			
01/STR/PV	1	104	6.62	10.40	19958	7.560	3.876										255						255	
02/S<2/PV	1	104	10.40	10.584	972	0.368	0.184										12						12	
	1	104	11.417	12.04	3289	1.246	0.726	169	41	3							52	5					47	
01/STR/PV	1	220	0.00	4.07	21490	8.14	4.07										288						288	
02/S<2/PV	1	220	4.07	5.40	7022	2.66	1.33										93						93	
01/STR/PV	1	220	5.40	7.03	8606	3.26	1.63										156						156	
02/S<2/PV	1	220	7.03	8.28	6600	2.5	1.25					134	35	2	160		4						4	
02/S<2/PV	1	551	0.00	2.76	14573	5.52	2.76					60	16				300						300	
01/STR/PV TOTALS:						18.96	9.58										699						699	
02/S<2/PV TOTALS:						12.29	6.25	169	41	3	60	16	2	160			461						461	
TOTALS CARRIED TO GENERAL SUMMARY:						31.25	15.83	169	41	3	60	16	2	160			1160						1160	

PAVEMENT MARKINGS

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SPLITS	BRIDGE NUMBER	LENGTH (APPROACH SLABS)	LENGTH (BRIDGE LIMITS)	WIDTH	BRIDGE DECK AREA	APPROACH SLAB AREA	846	512	512	COMMENTS	STRUCTURE FILE NUMBER
		FT	FT	FT	SY	CF	SY	SY			
03/STR/BR	PIK-104-9.19		133	27.5	406		38				6601022
03/STR/BR	PIK-220-5.32	30	67.5	38.5	289	128		417	21		6602282
04/SK2/BR	PIK-551-0.14	60	114	28.33	359	189		548	28		6603173



PLAN VIEW
 SFN: 4402758

ITEM 846 POLYMER MODIFIED EXPANSION JOINT SYSTEM
 2 JOINTS X (27.5' X 5"/12 X 20"/12) = 38 CU. FT.

STRUCTURE QUANTITIES

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