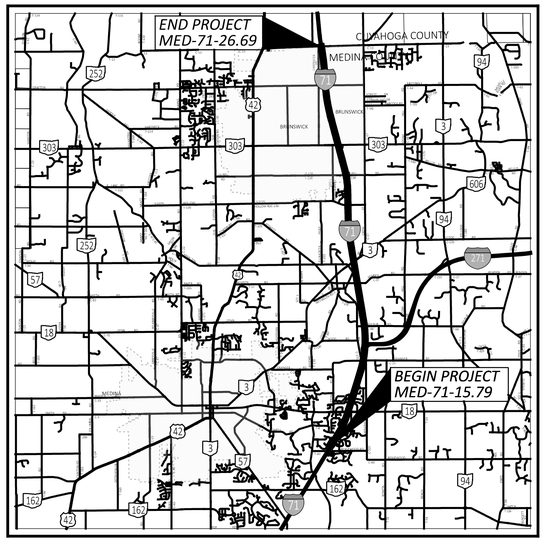
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MED-71-15.79

CITY OF BRUNSWICK

BRUNSWICK HILLS TOWNSHIP
MEDINA TOWNSHIP
MONTVILLE TOWNSHIP

MEDINA COUNTY



LOCATION MAP

LATITUDE: 41°11'54" N LONGITUDE: 81°47'30" W

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

DESIGN DESIGNATION

SEE SHEET 2

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

INDEX OF SHEETS:

FEDERAL PROJECT NUMBER

E231046

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES PLANING AND PAVING WITH FINE GRADED POLYMER ASPHALT CONCRETE, PAVEMENT REPAIRS, BRIDGE MAINTENANCE, AND REPLACING PAVEMENT MARKINGS AND RPMS.

EARTH DISTURBED AREAS

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

(= MAINTENANCE PROJECT)*

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

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.

MAINTENANCE OF TRAFFIC ENDORSEMENT

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS 14-20.

Robert Weaver
District 03 Deputy Director

Pamela Boratyn
Director, Department of Transportation

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)

PLANS PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT THREE ENGINEERING

ENGINEER'S SEAL

STATE OF OHIO
ADAM C. MELLEN
E-83961
REGISTERED PROFESSIONAL ENGINEER

STANDARD CONSTRUCTION DRAWINGS

BP-2.5	*7/19/24*	*MT-95.30*	*7/19/19*	*TC-41.20*	*10/18/13*	*AS-1-15*	*1/20/23*				
BP-3.1	*1/19/24*	*MT-95.45*	*7/21/23*	*TC-42.20*	*10/18/13*	*PCB-91*	*7/17/20*				
BP-9.1	*1/18/19*	*MT-95.50*	*7/21/17*	*TC-52.10*	*10/18/13*						
		MT-98.10	*1/17/20*	*TC-52.20*	*1/15/21*						
DM-4.3	*1/15/16*	*MT-98.11*	*1/17/20*	*TC-64.10*	*7/21/23*						
DM-4.4	*1/15/16*	*MT-98.20*	*4/19/19*	*TC-65.10*	*1/17/14*						
		MT-98.21	*7/21/23*	*TC-65.11*	*1/19/24*						
		MT-98.22	*1/17/20*	*TC-71.10*	*4/21/23*						
		MT-98.28	*1/17/20*	*TC-72.20*	*7/21/23*						
		MT-98.29	*1/17/20*	*TC-73.20*	*7/19/24*						
		MT-98.30	*7/16/21*								
		MT-99.20	*4/19/19*								
		MT-101.60	*4/21/23*								
		MT-101.90	*7/17/20*								
		MT-104.10	*1/19/24*								
		MT-105.10	*1/17/20*								

SUPPLEMENTAL SPECIFICATIONS		*SPECIAL PROVISIONS*
800-2023	*7/19/24*	
807	*1/21/22*	
808	*7/19/24*	
821	*4/20/12*	
832	*7/19/24*	
850	*7/21/23*	
897	*1/16/15*	
921	*7/19/24*	

TITLE SHEET

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM
REVIEWER KCK 07-31-24
PROJECT ID 118791
SHEET P.1 TOTAL 37

MED-71-15.79

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:04:01 AM USER: amellen
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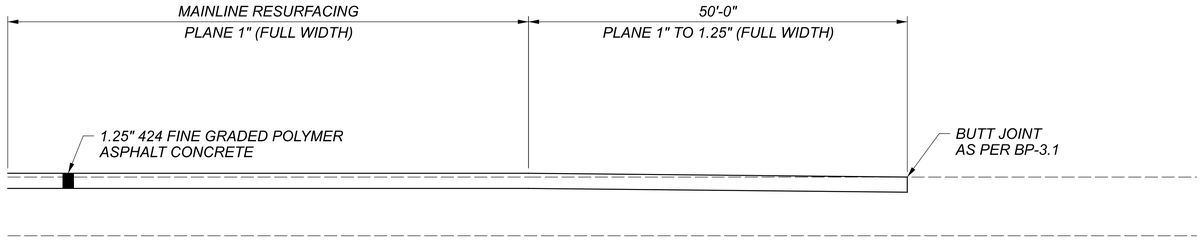
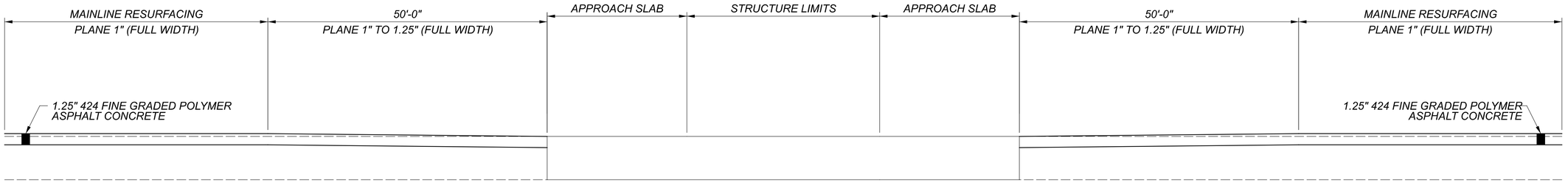
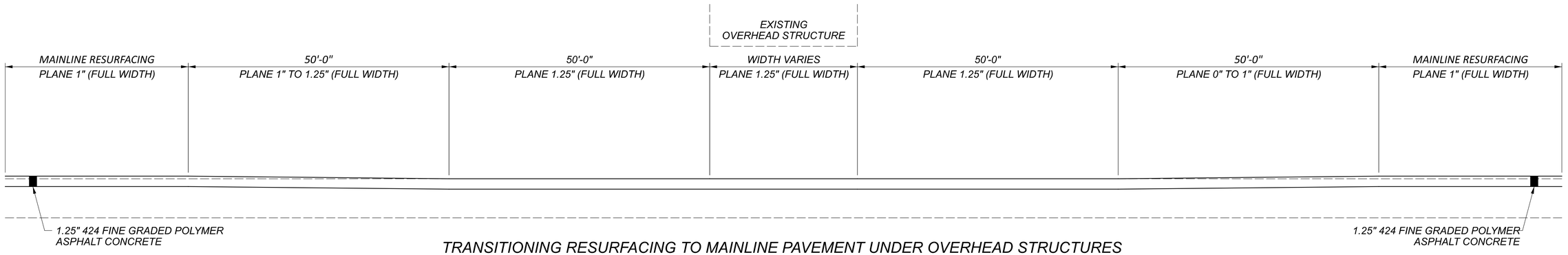


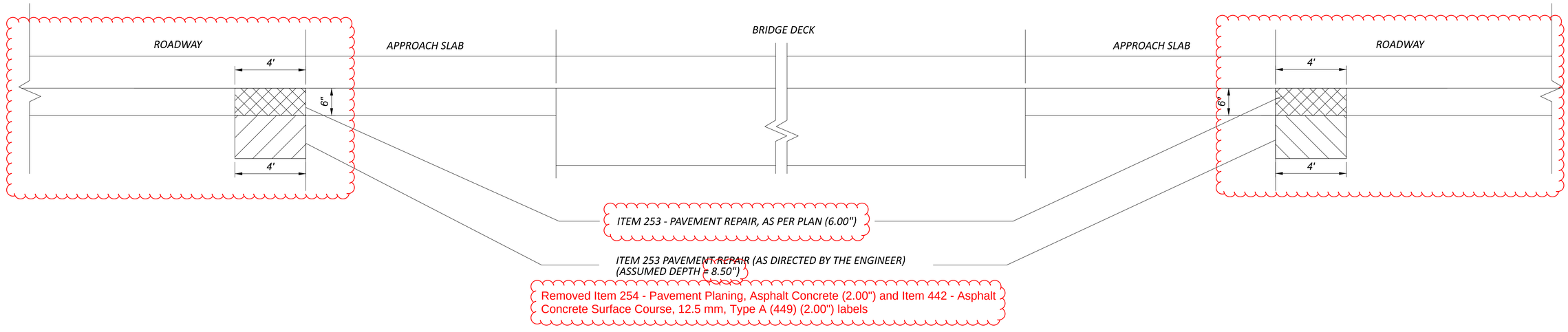
TRANSITIONING RESURFACING TO EXISTING PAVEMENT ON MAINLINE



TRANSITIONING RESURFACING TO MAINLINE STRUCTURES



TRANSITIONING RESURFACING TO MAINLINE PAVEMENT UNDER OVERHEAD STRUCTURES



BRIDGE APPROACH PAVEMENT REPAIRS

TYPICAL SECTIONS

MED-71-15.79

MODEL: TYPICALS 2 PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:28:51 AM USER: amellen
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DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM
REVIEWER KCK 07-31-24
PROJECT ID 118791
SUBSET 2 | TOTAL 2
SHEET P.8 | TOTAL 37

GENERAL

UTILITIES (G102A)

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CABLE
ARMSTRONG UTILITIES
1141 LAFAYETTE ROAD
MEDINA, OH 44256
330.722.3141

CABLE
CHARTER COMMUNICATIONS
5520 WHIPPLE AVENUE NW
NORTH CANTON, OH 44720
330.494.9200

CABLE
BREEZELINE
105 BLAZE INDUSTRIAL PARKWAY
BEREA, OH 44017
866.496.9669

COMMUNICATION
AT&T OHIO
130 N. ERIE STREET
TOLEDO, OH 43604
419.245.7244

COMMUNICATION
FRONTIER COM
83 TOWNSEND AVENUE
NORWALK, OH 44857
419.744.3613

COMMUNICATION
VERIZON BUSINESS
120 RAVINE STREET
AKRON, OH 44303
330.253.8267

COMMUNICATION
AT&T TRANSMISSION
5980 WILCOX PLACE
DUBLIN, OH 43016
614.760.8320

COMMUNICATION
EVERSTREAM SOLUTIONS
800 W. ST. CLAIR, 2ND FLOOR
CLEVELAND, OH 44113
216.581.7972

COUNTY
MEDINA COUNTY SANITARY ENGINEER
790 W. SMITH ROAD
MEDINA, OH 44256
330.764.8331

ELECTRIC
OHIO EDISON
1717 ASHLAND ROAD
MANSFIELD, OH 44905
419.521.6214

ELECTRIC
CLEVELAND ELECTRIC ILLUMINATING
6896 MILLER ROAD, SUITE 101
BRECKSVILLE, OH 44141
440.546.8748

GAS
DOMINION
320 SPRINGSIDE DRIVE, SUITE 320
AKRON, OH 44333
800.362.7557

GAS
KNOX ENERGY
11872 WORTHINGTON ROAD
PATASKALA, OH 43062
740.927.6731

GAS
BUCKEYE OIL PIPELINE COMPANY
P.O. BOX 542
MANTUA, OH 44255
330.931.8309

GAS
ENERGY TRANSFER
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
610.670.3279

GAS
MFC DRILLING COMPANY
46281 U.S. HIGHWAY 36
COSHOCTON, OH 43812
740.622.5600

GAS
ASPIRE ENERGY
300 TRACY BRIDGE ROAD
ORRVILLE, OH 44667
330.682.7726

GAS
COLUMBIA GAS OF OHIO
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OH 44130
440.891.2428

GAS
T. DAVIS OIL AND GAS
6630 E. LINCOLN WAY
WOOSTER, OH 44691

TRAFFIC
ODOT DISTRICT THREE
906 CLARK AVENUE
ASHLAND, OH 44805
419.207.2868

TRAFFIC
ODOT DISTRICT TWELVE
5500 TRANSPORTATION BLVD
GARFIELD HEIGHTS, OH 44125
216.584.2190

TRAFFIC
ODOT OFFICE OF TRAFFIC OPERATIONS
1980 W. BROAD STREET
COLUMBUS, OH 43223
614.644.0270

FIBER OPTIC
WINDSTREAM
560 TERNES AVENUE
ELYRIA, OH 44035
440.329.4245

WATER
CITY OF CLEVELAND DIVISION OF WATER
1201 LAKESIDE AVENUE
CLEVELAND, OH 44114
216.664.2444

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

EXISTING PLANS (G103)

EXISTING PLANS ENTITLED MED-71-15.78 (2017) MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND.

WORK LIMITS (G106)

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.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

ROADWAY

ITEM 209 – LINEAR GRADING

THE CONTRACTOR IS REQUIRED TO PERFORM LINEAR GRADING ON THE GRADED SHOULDER. IT IS ANTICIPATED THAT THERE ARE AREAS WHERE THE GRADED SHOULDER IS AT A HIGHER ELEVATION THAN THE ADJACENT PROPOSED PAVEMENT. A 10:1 SLOPE SHALL BE ESTABLISHED, OR AS DIRECTED BY THE ENGINEER, WHEN PERFORMING ITEM 209 LINEAR GRADING. THE INTENT IS TO PROVIDE AN UNOBSTRUCTED AND POSITIVE FLOW OF STORM WATER FROM THE PAVEMENT TO THE DITCH. THE LINEAR GRADING SHALL BE PERFORMED AFTER THE INTERMEDIATE COURSE HAS BEEN COMPLETED AND BEFORE THE SURFACE COURSE IS PLACED. ALL LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER MILE FOR ITEM 209 - LINEAR GRADING.

DRAINAGE

ITEM 611 – CASTINGS ADJUSTED TO GRADE

THE CASTING TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING CASTING TO THE SATISFACTION OF THE ENGINEER. IT IS NOT INTENDED TO PLACE NEW FRAMES WHERE NONE CURRENTLY EXIST. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT FRAMES.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY AND LISTED UNDER THE APPROPRIATE ITEM:

MED-71 NORTHBOUND:

SLM	CASTING TYPE	SLM	CASTING TYPE
16.85	CATCH BASIN (2)	20.88	CATCH BASIN (2)
18.74	CATCH BASIN (2)	22.70	CATCH BASIN (1)
19.21	CATCH BASIN (1)	24.06	CATCH BASIN (2)
19.97	CATCH BASIN (2)		

MED-71 SOUTHBOUND:

SLM	CASTING TYPE	SLM	CASTING TYPE
16.85	CATCH BASIN (2)	19.97	CATCH BASIN (2)
18.74	CATCH BASIN (2)	20.88	CATCH BASIN (2)
19.21	CATCH BASIN (1)	24.06	CATCH BASIN (2)

ITEM 611 – CATCH BASIN ADJUSTED TO GRADE 23 EACH

PAVEMENT

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR SHALL BE PERFORMED PRIOR TO PAVEMENT PLANING AND BEFORE PLACEMENT OF THE FINE GRADED POLYMER ASPHALT CONCRETE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 4". THE MINIMUM WIDTH OF REPAIR SHALL BE 4FT.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE.

FOR BID AND ESTIMATING PURPOSES, APPROXIMATELY 90% OF THE REPAIRS ARE TO BE CONSIDERED LONGITUDINAL REPAIRS AND 10% ARE TO BE CONSIDERED TRANSVERSE REPAIRS UNLESS OTHERWISE STATED. THIS APPROXIMATION IS SHOWN IN THE QUANTITIES BELOW.

LONGITUDINAL IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PARALLEL TO THE CENTERLINE THAN THE MEASUREMENT PERPENDICULAR TO THE CENTERLINE. TRANSVERSE IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PERPENDICULAR TO THE CENTERLINE THAN THE MEASUREMENT PARALLEL TO THE CENTERLINE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR IS TO BE A MAXIMUM OF 4" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (LONGITUDINAL) 981 CY
ITEM 251 – PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (TRANSVERSE) 109 CY

ITEM 253 - PAVEMENT REPAIR (FULL DEPTH FLEXIBLE)

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR SHALL BE PERFORMED PRIOR TO PAVEMENT PLANING AND BEFORE PLACEMENT OF THE FINE GRADED POLYMER ASPHALT CONCRETE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 12 INCHES AND A MINIMUM WIDTH OF 4 FT. FOR FULL DEPTH REPAIRS WHERE CONCRETE IS UNDERLYING ASPHALT BUT CONCRETE IS NOT BEING REPLACED AS PART OF THE REPAIR, REMOVE ALL ASPHALT TO THE TOP OF CONCRETE THEN COMPLETE FLEXIBLE REPAIR ON TOP OF EXISTING CONCRETE.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE MATERIAL WITH A MAXIMUM LIFT THICKNESS OF 6 INCHES AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE.

FOR BID AND ESTIMATING PURPOSES, APPROXIMATELY 90% OF THE REPAIRS ARE TO BE CONSIDERED LONGITUDINAL REPAIRS AND 10% ARE TO BE CONSIDERED TRANSVERSE REPAIRS UNLESS OTHERWISE STATED. THIS APPROXIMATION IS SHOWN IN THE QUANTITIES BELOW.

LONGITUDINAL IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PARALLEL TO THE CENTERLINE THAN THE MEASUREMENT PERPENDICULAR TO THE CENTERLINE. TRANSVERSE IS DEFINED AS ANY REPAIR THAT HAS A GREATER MEASUREMENT PERPENDICULAR TO THE CENTERLINE THAN THE MEASUREMENT PARALLEL TO THE CENTERLINE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 253 PAVEMENT REPAIR IS TO BE A MAXIMUM OF 12 INCHES DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 253 – PAVEMENT REPAIR (LONGITUDINAL) 98 CY
ITEM 253 – PAVEMENT REPAIR (TRANSVERSE) 11 CY

ITEM 253 – PAVEMENT REPAIR, AS PER PLAN (BRIDGE APPROACHES)

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING ASPHALT PAVEMENT OR PAVED ASPHALT BERM IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR, AS PER PLAN SHALL BE PERFORMED PRIOR TO PAVEMENT PLANING AND BEFORE PLACEMENT OF THE FINE GRADED POLYMER ASPHALT CONCRETE. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 6" AND MINIMUM WIDTH OF 4 FEET.

REPLACEMENT MATERIAL SHALL BE ITEM 301 ASPHALT CONCRETE BASE MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE (SEE SHEET 8 FOR FURTHER DETAILS).

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS, INLETS, AND DITCHES.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 253 PAVEMENT REPAIR, AS PER PLAN IS TO BE A MAXIMUM OF 6" DEEP. ITEMS AND QUANTITIES ARE PROVIDED ON SHEET 26 TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 253 – PAVEMENT REPAIR (BRIDGE APPROACHES)

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING ASPHALT PAVEMENT OR PAVED ASPHALT BERM IN AREAS OF EXISTING PAVEMENT FAILURE.

PAVEMENT REPAIR SHALL BE PERFORMED THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 8.50" AND MINIMUM WIDTH OF 4 FEET.

REPLACEMENT MATERIAL SHALL BE ITEM 301 – ASPHALT CONCRETE BASE, PG64-22 (449) AND SHALL BE PLACED AND COMPACTED TO FINISH 6" BELOW THE ADJACENT PAVEMENT SURFACE. (ITEM 301 ASPHALT CONCRETE BASE CAN BE USED WHEN THE DEPTH OF REPAIR IS ABOVE 3" WITH A MAXIMUM LIFT THICKNESS OF 6").

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES, ITEM 253 PAVEMENT REPAIR IS TO BE A MAXIMUM OF 8.50" DEEP. THE FOLLOWING ITEMS AND QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 253 – PAVEMENT REPAIR 200 CY

ITEM 203 – EXCAVATION, AS PER PLAN
ITEM 304 – AGGREGATE BASE, AS PER PLAN

THIS WORK SHALL BE PERFORMED AT FULL DEPTH CONCRETE REPAIR AREAS ON THE MED-71 NORTHBOUND EXIT RAMP TO STATE ROUTE 303 TO REPLACE DISTURBED OR DETERIORATED BASE MATERIAL UNDERNEATH THE EXISTING CONCRETE PAVEMENT. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK AND SHALL BE MADE AT THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 203 – EXCAVATION, AS PER PLAN AND ITEM 304 – AGGREGATE BASE, AS PER PLAN.

ITEM 203 – EXCAVATION, AS PER PLAN 25 CY
ITEM 304 – AGGREGATE BASE, AS PER PLAN 25 CY

Removed Item 254 - Pavement Planing, Asphalt Concrete (2.00") and Item 254 - Pavement Planing, Asphalt Concrete (Deep Planing) (6.00") plan notes

GENERAL NOTES

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM
REVIEWER KCK 07-31-24
PROJECT ID 118791
SUBSET 1 TOTAL 2
SHEET P.9 TOTAL 37

MED-71-15.79

MODEL: GEN NOTES 1 PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:04:32 AM USER: amellen
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SHEET NUM.								PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	12	13	25	26	28	30		01/IMS/05							
														ROADWAY	
25								25		203	10001	25	CY	EXCAVATION, AS PER PLAN	9
			47.65					47.65		209	60500	47.65	MILE	LINEAR GRADING	
														EROSION CONTROL	
								2,500		832	30000	2,500	EACH	EROSION CONTROL	
														DRAINAGE	
23								23		611	98630	23	EACH	CATCH BASIN ADJUSTED TO GRADE	
														PAVEMENT	
981								981		251	01042	981	CY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (LONGITUDINAL)	
109								109		251	01042	109	CY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (TRANSVERSE)	
98								98		253	02000	98	CY	PAVEMENT REPAIR (LONGITUDINAL)	
11								11		253	02000	11	CY	PAVEMENT REPAIR (TRANSVERSE)	
200								200		253	02000	200	CY	PAVEMENT REPAIR (BRIDGE APPROACHES)	
				130				130		253	02001	130	CY	PAVEMENT REPAIR, AS PER PLAN	9
				~~120~~				~~120~~		~~255~~	~~16000~~	~~120~~	~~SY~~	~~FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS QC MS (TRANSVERSE)~~	
				43				43		255	16000	43	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS QC MS (LONGITUDINAL)	
				930				930		255	20000	930	FT	FULL DEPTH PAVEMENT SAWING	
25								25		304	20001	25	CY	AGGREGATE BASE, AS PER PLAN	9
						52		52		407	13900	52	GAL	TACK COAT, 702.13	
			~~67,117~~					~~67,117~~		~~407~~	~~20000~~	~~67,117~~	~~GAL~~	~~NON-TRACKING TACK COAT~~	
			22,497					22,497		408	10001	22,497	GAL	PRIME COAT, AS PER PLAN	10
			29,168					29,168		424	14000	29,168	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448)	
			3,190					3,190		617	10100	3,190	CY	COMPACTED AGGREGATE	
			56,042					56,042		617	20000	56,042	SY	SHOULDER PREPARATION	
			42.37					42.37		618	40600	42.37	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
			810,633					810,633		897	01010	810,633	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (1.0")	
			18,706					18,706		897	01010	18,706	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (VARIES 1.0" TO 1.25")	
			9,004					9,004		897	01010	9,004	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (1.25")	
			4,262					4,262		897	02000	4,262	SY	PATCHING PLANED SURFACE	

Removed the following items and quantities:
254E00100 - Pavement Planing, Asphalt Concrete (2.0")
254E00100 - Pavement Planing, Asphalt Concrete (6.0")
301E56000 - Asphalt Concrete Base, PG64-22, (449)
407E10000 - Tack Coat
442E22100 - Asphalt Concrete Surface Course, 12.5 mm, Type A (449)

GENERAL SUMMARY

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM
REVIEWER KCK 07-31-24
PROJECT ID 118791
SUBSET 1 TOTAL 3
SHEET P.21 TOTAL 37

MED-71-15.79

Removed the following items and quantities:
254E00100 - Pavement Planing, Asphalt Concrete (2.0")
254E00100 - Pavement Planing, Asphalt Concrete (6.0")
301E56000 - Asphalt Concrete Base, PG64-22, (449)
407E10000 - Tack Coat
442E22100 - Asphalt Concrete Surface Course, 12.5 mm, Type A (449)

CONCRETE PAVEMENT REPAIRS

SLM		DIRECTION	WIDTH	LENGTH	INDIVIDUAL REPAIR AREA	TYPE OF REPAIR	NUMBER OF REPAIRS	255	255	255
								FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS QC MS (11.0") (TRANSVERSE)	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 2, CLASS QC MS (11.0") (LONGITUDINAL)	FULL DEPTH PAVEMENT SAWING
BEGIN	END		FT	FT	SY			SY	SY	FT
SR 303 NORTHBOUND EXIT RAMP			12	6	8.00	TRANS	12	96		432
SR 303 NORTHBOUND EXIT RAMP			2	50	11.11	LONG	3		34	312
CONTINGENCY								24	9	186
TOTALS CARRIED TO GENERAL SUMMARY								**120**	**43**	**930**

BRIDGE APPROACH PAVEMENT REPAIRS

PLAN SPLIT	COUNTY	ROUTE	DIRECTION	STRUCTURE	APPROACH	DIMENSIONS		PAVEMENT AREA	253
						WIDTH	LENGTH		PAVEMENT REPAIR, AS PER PLAN (6.0")
				STRAIGHT LINE MILEAGE		FT	FT	SY	CY
01/IMS/05	MED	71	NB	1685R	REAR	60	4	27	5
01/IMS/05	MED	71	NB	1685R	FORWARD	60	4	27	5
01/IMS/05	MED	71	NB	1870R	REAR	60	4	27	5
01/IMS/05	MED	71	NB	1870R	FORWARD	60	4	27	5
01/IMS/05	MED	71	NB	1918R	REAR	60	4	27	5
01/IMS/05	MED	71	NB	1918R	FORWARD	60	4	27	5
01/IMS/05	MED	71	NB	1992R	REAR	60	4	27	5
01/IMS/05	MED	71	NB	1992R	FORWARD	60	4	27	5
01/IMS/05	MED	71	NB	2088E	REAR	30	4	14	3
01/IMS/05	MED	71	NB	2090R	REAR	60	4	27	5
01/IMS/05	MED	71	NB	2090R	FORWARD	60	4	27	5
01/IMS/05	MED	71	NB	2402R	REAR	90	4	40	7
01/IMS/05	MED	71	NB	2402R	FORWARD	87	4	39	7
01/IMS/05	MED	71	SB	1685L	REAR	60	4	27	5
01/IMS/05	MED	71	SB	1685L	FORWARD	60	4	27	5
01/IMS/05	MED	71	SB	1870L	REAR	60	4	27	5
01/IMS/05	MED	71	SB	1870L	FORWARD	60	4	27	5
01/IMS/05	MED	71	SB	1918L	REAR	60	4	27	5
01/IMS/05	MED	71	SB	1918L	FORWARD	60	4	27	5
01/IMS/05	MED	71	SB	1992L	REAR	60	4	27	5
01/IMS/05	MED	71	SB	1992L	FORWARD	60	4	27	5
01/IMS/05	MED	71	SB	2090L	REAR	60	4	27	5
01/IMS/05	MED	71	SB	2090L	FORWARD	60	4	27	5
01/IMS/05	MED	71	SB	2092W	REAR	30	4	14	3
01/IMS/05	MED	71	SB	2402L	REAR	64	4	29	5
01/IMS/05	MED	71	SB	2402L	FORWARD	64	4	29	5
TOTALS TO GENERAL SUMMARY									**130**

CONCRETE AND BRIDGE APPROACH PAVEMENT REPAIRS

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM
REVIEWER KCK 07-31-24
PROJECT ID 118791
SUBSET 1 TOTAL 1
SHEET P.26 TOTAL 37

MED-71-15.79

MODEL: CONCRETE REPAIRS 1 PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:07:59 AM USER: amellen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Medina\118791\400-Engineering\Roadway\Sheets\118791_GQ001.dgn

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES UNDER OR ADJACENT TO THE WORK AREA. HOWEVER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT OHIO811 A MINIMUM OF TWO (2) DAYS PRIOR TO BEGINNING WORK.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND OTHER REPAIRS. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

EXISTING PLANS

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND:

PLAN NAME	DATE
MED-71-15.78	2001

DESIGN DATA

- CONCRETE CLASS QC5 – COMPRESSIVE STRENGTH 4,500 PSI
- REINFORCED STEEL – ASTM A615 OR A996, GRADE 60, MINIMUM YIELD STRENGTH 60,000 PSI

DESIGN SPECIFICATIONS

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

STANDARD BRIDGE DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO STANDARD BRIDGE DRAWINGS AS-1-15 REVISED 1/20/2023, AND PCB-91 REVISED 7/17/2020.

IN-STREAM WORK RESTRICTION

TAKE ALL PRECAUTIONS TO AVOID CONSTRUCTION IN AND/OR LIMIT DEBRIS FROM ENTERING STREAMS OR WETLANDS. REMOVE ANY MATERIAL THAT FALLS INTO STREAMS OR WETLANDS AS SOON AS POSSIBLE.

ALL PROJECTS INVOLVING JURISDICTIONAL WATERS OF THE UNITED STATES (STREAMS, RIVERS, NON-ISOLATED WETLANDS) AND/OR ISOLATED WETLANDS ARE SUBJECT TO REGULATION UNDER SECTIONS 401 AND 404 OF THE CLEAN WATER ACT, AND POSSIBLY OHIO EPA ISOLATED WETLAND LAW. IT IS ANTICIPATED THAT NO IN-STREAM WORK, OR WORK UNDER THE STREAMS' ORDINARY HIGH WATER MARK (OHWM) WILL BE NEEDED. THEREFORE, NO WATERWAY PERMITS HAVE BEEN GRANTED AND NO IN-STREAM WORK IS PERMITTED.

SHOULD WORK, EITHER TEMPORARY OR PERMANENT, IN THE STREAM BE NEEDED, IT WILL REQUIRE A PERMIT AND AUTHORIZATION BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE). DO NOT UTILIZE FILLS BELOW THE OHWM UNTIL SUCH ACTIVITY IS AUTHORIZED BY THE USACE. DETAILS OF THIS REQUIREMENT ARE DESCRIBED IN ODOT'S SUPPLEMENTAL SPECIFICATION 832.09.

USACE DEFINITION OF OHWM: THE ORDINARY HIGH WATER MARK IS THE LINE ON THE SHORES ESTABLISHED BY THE FLUCTUATIONS OF WATER AND INDICATED BY PHYSICAL CHARACTERISTICS SUCH AS A CLEAR, NATURAL LINE IMPRESSED ON THE BANK; SHELVING; CHANGES IN THE CHARACTER OF THE SOIL; DESTRUCTION OF TERRESTRIAL VEGETATION; THE PRESENCE OF LITTER AND DEBRIS; OR THE APPROPRIATE MAPS THAT CONSIDER THE CHARACTERISTICS OF THE SURROUNDING AREAS.

PAVING AT STRUCTURES

STRUCTURES MED-71-1828, MED-71-2034, MED-71-2242, MED-71-2321, MED-71-2565: PLANE AND PAVE UNDER STRUCTURE THE SAME AS THE SURROUNDING ROADWAY. MAINTAIN EXISTING VERTICAL CLEARANCE UNDER STRUCTURE. NO PAVEMENT OR STRUCTURAL WORK ON OVERHEAD STRUCTURE.

STRUCTURE MED-71-2615: PLANE AND PAVE OVER STRUCTURE THE SAME AS THE SURROUNDING ROADWAY.

STRUCTURES MED-71-1870L, MED-71-1918L&R, MED-71-1992R, MED-71-2090L&R, MED-71-2402L&R: SUSPEND AND RESUME PAVING AT REAR AND FORWARD CONCRETE APPROACH SLABS.

STRUCTURE MED-71-2088E, MED-71-2092W: SUSPEND AND RESUME PAVING AT REAR CONCRETE APPROACH SLABS. NO PAVING ON THE FORWARD APPROACH TO THE STRUCTURE.

STRUCTURES MED-71-1685L&R, MED-71-1870R, MED-71-1992L: SUSPEND PAVING AT PORTION OF CONCRETE APPROACH SLABS AS SHOWN ON STRUCTURE DETAILS SHEET.

PLACING ASPHALT CONCRETE FEATHERING ON APPROACHES TO BRIDGES

TAKE SPECIAL CARE WHEN PLACING THE ASPHALT CONCRETE BUTT JOINT TO AFFECT A SMOOTH TRANSITION FROM THE EXISTING APPROACH PAVEMENT TO THE BRIDGE DECK OR APPROACH SLAB. SEE STANDARD CONSTRUCTION DRAWING BP-3.1 FOR DETAILS NOT SHOWN AND REQUIRED TOLERANCES.

DECK PROTECTION METHOD

STRUCTURES MED-71-1870L&R, MED-71-1992L, MED-71-2090L&R: SEALING CONCRETE BRIDGE DECK REPAIRS WITH HMWM

STRUCTURES MED-71-1685L&R, MED-71-1828, MED-71-1918L&R, MED-71-1992R, MED-71-2034, MED-71-2088E, MED-71-2092W, MED-71-2242, MED-71-2321, MED-71-2402L&R, MED-71-2565, MED-71-2615: NO DECK PROTECTION METHOD

PLACEMENT OF ADJACENT CONCRETE POURS

DO NOT PLACE ADJACENT CONCRETE POURS SIMULTANEOUSLY. ALLOW SUFFICIENT TIME FOR THE FIRST POUR TO CURE BEFORE TO THE POINT FORMS CAN BE STRIPPED WITHOUT DETRIMENT TO THE POUR BEFORE PLACING THE SECOND POUR. ALL CONSTRUCTION JOINTS NOT SPECIFICALLY LABELED IN THE PLANS AS OPTIONAL ARE TO BE PERFORMED AS DETAILED ABOVE. SHOULD THE CONTRACTOR FAIL TO PERFORM THE CONSTRUCTION JOINT AS DESCRIBED, THE ENGINEER WILL DIRECT THE CONTRACTOR TO REMOVE THE INADEQUATELY PLACED CONCRETE AND REPLACE IT AS DESCRIBED ABOVE AT NO COST TO THE DEPARTMENT.

EXISTING REINFORCING STEEL

EXISTING REINFORCING STEEL, WHEN SHOWN, IS DETAILED FOR REPRESENTATION PURPOSES ONLY. IT IS NOT DETAILED TO SCALE. WHEN PERFORMING ALL REPAIR OR PATCHING WORK, TAKE UTMOST CARE TO NOT DAMAGE THE EXISTING REINFORCING STEEL. SHOULD THE EXISTING REINFORCING STEEL BE DAMAGED IN THE COURSE OF PERFORMING THE WORK, REPLACE THE DAMAGED STEEL AT NO COST TO THE DEPARTMENT COAT ALL EXPOSED REINFORCING STEEL WITH AN APPROVED EPOXY COATING MATERIAL AND ALLOW SUFFICIENT CURING TIME PRIOR TO PLACING NEW CONCRETE. COST FOR THE ABOVE WORK WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE REPAIR OR PATCHING ITEM.

ITEM 202 – REMOVAL MISC.: JOINT SEAL

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING COMPRESSION JOINT SEAL BETWEEN THE REAR CONCRETE APPROACH SLAB AND CONCRETE BRIDGE DECK ON THE MED-71-2402L STRUCTURE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID PER FOOT FOR ITEM 202 – REMOVAL MISC.: JOINT SEAL AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 407 – TACK COAT, 702.13

A CONTINGENCY QUANTITY OF ITEM 407 – TACK COAT, 702.13 HAS BEEN ADDED STRUCTURES MED-71-1685L&R, MED-71-1870R, AND MED-71-1992L IN THE EVENT THE CONCRETE APPROACH SLAB IS ENCOUNTERED DURING PAVEMENT PLANING OPERATIONS. THE CONTRACTOR SHALL APPLY THE TACK COAT AT A RATE OF 0.08 GAL/SY AFTER PAVEMENT PLANING OPERATIONS ARE COMPLETED OVER THE APPROACH SLAB AND PRIOR TO APPLYING THE FINE GRADED POLYMER ASPHALT CONCRETE.

ITEM SPECIAL – PATCHING CONCRETE BRIDGE DECK – TYPE B

USE THIS ITEM AT THE LOCATIONS INDICATED IN THE PLANS. QUANTITIES SHOWN IN THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. EXACT DIMENSIONS AND LOCATIONS OF REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

SEE PROPOSAL NOTE 512 FOR ADDITIONAL DETAILS.

PAYMENT FOR ALL OF THE ABOVE ITEMS WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD AND IS TO INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

RPMS AND PAVEMENT MARKINGS ON CONCRETE BRIDGE DECKS

ITEM 621 – RAISED PAVEMENT MARKER REMOVED, AS PER PLAN
RPMS SHALL BE REMOVED AND REPLACED ON THE CONCRETE BRIDGE DECKS AND CONCRETE APPROACH SLABS AS SHOWN ON THE STRUCTURE DETAILS SHEETS. VOIDS SHALL BE FILLED WITH AN APPROVED EPOXY MATERIAL PER C&MS 721.03. THE EPOXY MATERIAL SHALL BE CONSIDERED INCIDENTAL TO ITEM 621 – RAISED PAVEMENT MARKER REMOVED, AS PER PLAN.

PAVEMENT MARKINGS ON THE CONCRETE BRIDGE DECKS AND CONCRETE APPROACH SLABS SHALL BE RECESSED WET REFLECTIVE EPOXY MARKINGS AND SHALL BE PLACED AFTER COMPLETION OF ALL BRIDGE WORK. THE CONTRACTOR SHALL REFER TO SUPPLEMENTAL SPECIFICATIONS 807 AND 850 FOR ADDITIONAL DETAILS. QUANTITIES AND LOCATIONS OF THE PAVEMENT MARKINGS ARE SHOWN ON THE PAVEMENT MARKING SUB-SUMMARY SHEETS.

ITEM 623 – CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

AFTER COMPLETION OF ALL WORK, BUT PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, AN OHIO REGISTERED PROFESSIONAL SURVEYOR SHALL DETERMINE THE MINIMUM VERTICAL CLEARANCES OF ALL EXISTING AND NEW BRIDGES WITHIN THE PROJECT LIMITS. AT A MINIMUM, MEASUREMENTS SHALL BE TAKEN ALONG EACH FASCIA BEAM AT THE EDGE OF SHOULDERS, EDGE LINES, LANE LINES, AND CROWN OF THE ROADWAY BELOW. THE ODOT DISTRICT 12 VERTICAL CLEARANCE SURVEY FORM SHALL BE USED, WHERE APPLICABLE, TO DOCUMENT THE MEASUREMENTS. WHERE THE ODOT DISTRICT 12 VERTICAL CLEARANCE SURVEY FORM IS NOT APPLICABLE, THE MEASUREMENTS SHALL BE DOCUMENTED ON A CONTRACTOR-DEVELOPED FORM THAT CLOSELY RESEMBLES THE ODOT DISTRICT 12 VERTICAL CLEARANCE SURVEY FORM AND ACCURATELY DEPICTS THE BRIDGE AND BELOW LANE AND SHOULDER CONFIGURATION. THE COMPLETED FORM SHALL BEAR THE STAMP OR SEAL OF THE OHIO REGISTERED PROFESSIONAL SURVEYOR WHO HAS TAKEN THE MEASUREMENTS AND SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

THE ODOT DISTRICT 12 VERTICAL CLEARANCE SURVEY FORM CAN BE DOWNLOADED FROM THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/DISTRICTS/D12/HIGHWAY/MANAGEMENT/PAGES/PERMITS.ASPX

STRUCTURE NOTES

MED-71-15.79

DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER ACM
REVIEWER KAK 07-31-24
PROJECT ID 118791
SHEET P.29 TOTAL 37

SUB-SUMMARY OF STRUCTURE REPAIR ITEMS

ITEM	EXTENSION	DESCRIPTION	UNIT	MED-71-1685L	MED-71-1685R	MED-71-1870L	MED-71-1870R	MED-71-1918L	MED-71-1918R	MED-71-1992L	MED-71-1992R (NO WORK)	MED-71-2090L	MED-71-2090R	MED-71-2088E	MED-71-2092W	MED-71-2402L	MED-71-2402R	TOTALS
				SHEET 31		SHEET 32		SHEET 33		SHEET 34		SHEET 35		SHEET 36		SHEET 37		
202	98200	REMOVAL MISC.: JOINT SEAL	FT													67		**67**
407	13900	TACK COAT, 702.13	GAL	12	13		13			14								**52**
409	30000	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	FT	126	126	140	140	122	122	61		135	135	31	31	133	182	**1484**
512	10300	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	SY			4	2			8		3	4					**21**
516	31000	JOINT SEALER	FT													67		**67**
519	12510	SPECIAL - PATCHING CONCRETE BRIDGE DECK - TYPE B	SY			1	1			2		1	1					**6**
621	54001	RAISED PAVEMENT MARKER REMOVED, AS PER PLAN	EACH	2	2	3	3	2				4	3			4		**23**

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

STRUCTURE SUB-SUMMARY

MED-71-15.79

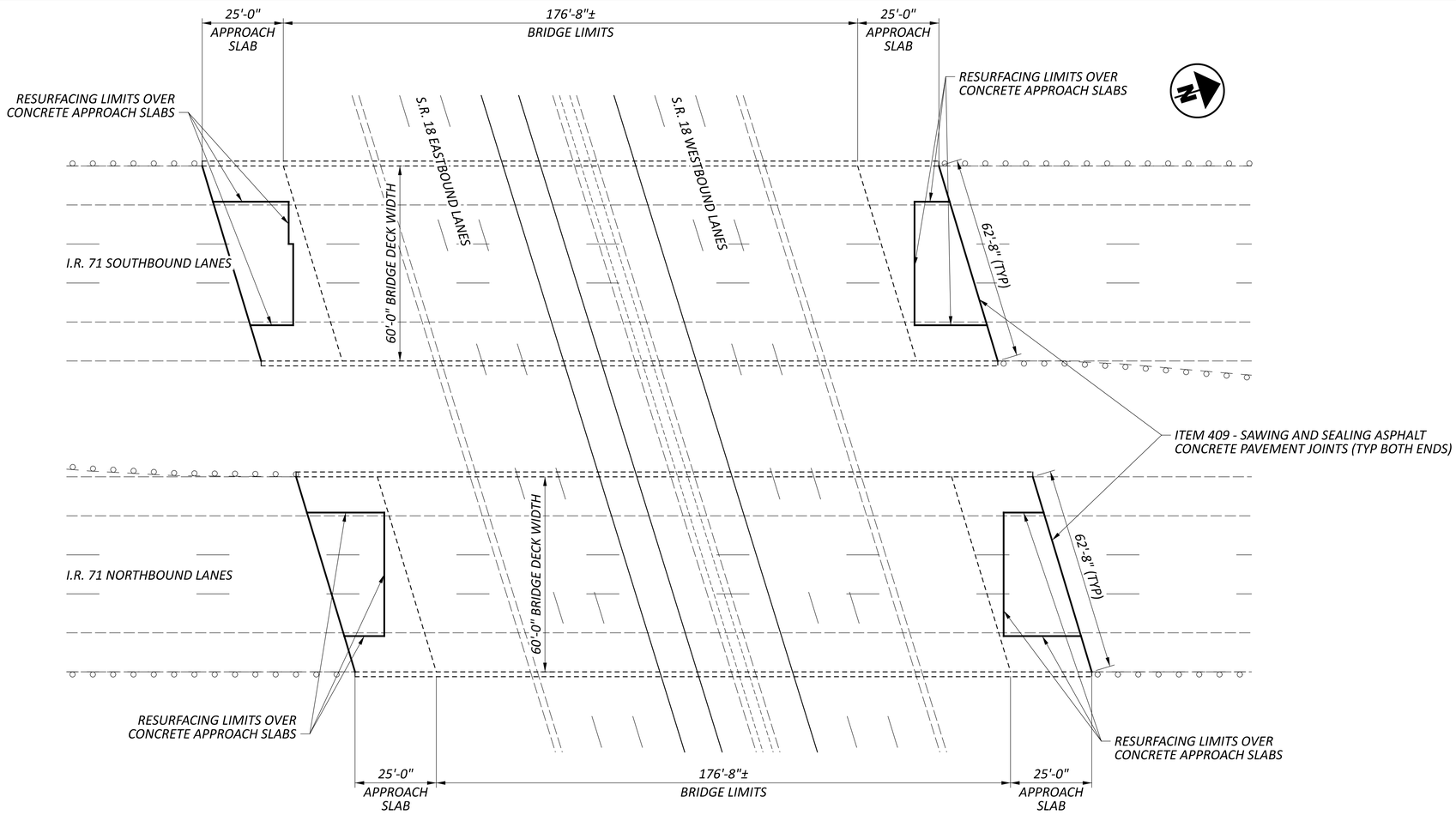
DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE

DESIGNER
ACM

REVIEWER
KAK 07-31-24

PROJECT ID
118791

SHEET P.30 | TOTAL 37



PLAN VIEW

NOTES

1.) ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
SAW AND SEAL THE JOINT BETWEEN THE APPROACH PAVEMENT AND THE APPROACH SLAB AFTER THE ASPHALT CONCRETE SURFACE COURSE IS PLACED. THE CONTRACTOR SHALL REFER TO STANDARD CONSTRUCTION DRAWING AS-1-15, DETAIL C FOR ADDITIONAL DETAILS.

2.) SEE GUARDRAIL DETAILS SHEETS FOR PROPOSED APPROACH ROADWAY GUARDRAIL WORK.

ESTIMATED QUANTITIES MED-71-1685L (SFN: 5203589)

ITEM	QUANTITY	UNIT	DESCRIPTION
407	12	GAL	TACK COAT, 702.13
409	126	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
621	2	EACH	RAISED PAVEMENT MARKER REMOVED, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SUB-SUMMARY

ESTIMATED QUANTITIES MED-71-1685R (SFN: 5203619)

ITEM	QUANTITY	UNIT	DESCRIPTION
407	13	GAL	TACK COAT, 702.13
409	126	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
621	2	EACH	RAISED PAVEMENT MARKER REMOVED, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SUB-SUMMARY

HORIZONTAL SCALE IN FEET
0 10 20 40

STRUCTURE DETAILS
MED-71-1685L&R
I.R. 71 OVER S.R. 18

SFN 5203589
SFN 5203619
DESIGN AGENCY
DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM | CHECKER JNC
REVIEWER KAK 07-31-24
PROJECT ID 118791
SUBSET 1 | TOTAL 1
SHEET P.31 | TOTAL 37

MED-71-15.79

MODEL: MED-71-1685 STRUCTURE DETAILS PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:09:36 AM USER: amellen
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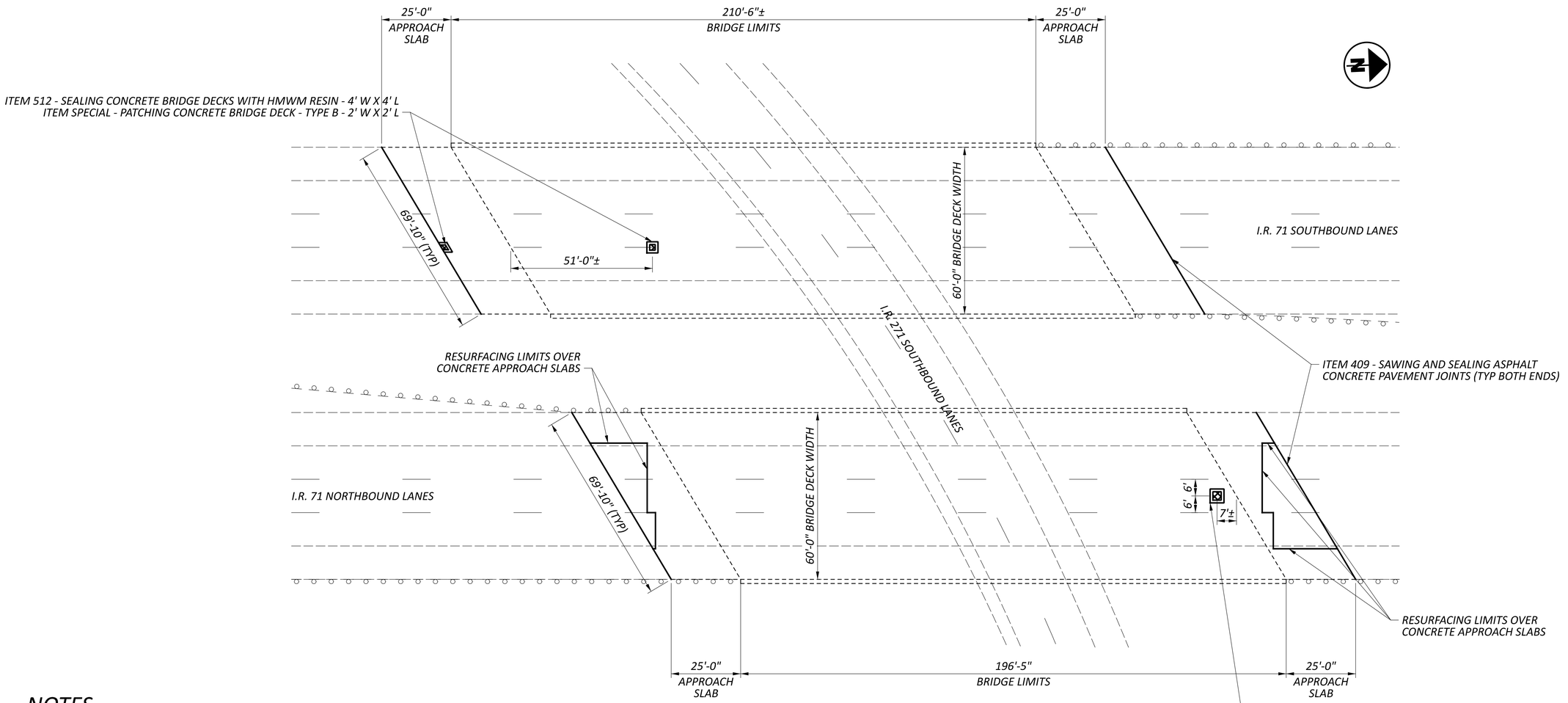

PLAN VIEW

NOTES

1.) ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
SAW AND SEAL THE JOINT BETWEEN THE APPROACH PAVEMENT AND THE APPROACH SLAB AFTER THE ASPHALT CONCRETE SURFACE COURSE IS PLACED. THE CONTRACTOR SHALL REFER TO STANDARD CONSTRUCTION DRAWING AS-1-15, DETAIL C FOR ADDITIONAL DETAILS.

2.) SEE GUARDRAIL DETAILS SHEETS FOR PROPOSED APPROACH ROADWAY GUARDRAIL WORK.

ESTIMATED QUANTITIES MED-71-1870L (SFN: 5203694)

ITEM	QUANTITY	UNIT	DESCRIPTION
409	140	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	4	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN
SPECIAL	1	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
621	3	EACH	RAISED PAVEMENT MARKER REMOVED, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SUB-SUMMARY

ESTIMATED QUANTITIES MED-71-1870R (SFN: 5203724)

ITEM	QUANTITY	UNIT	DESCRIPTION
407	13	GAL	TACK COAT, 702.13
409	140	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	2	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN
SPECIAL	1	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
621	3	EACH	RAISED PAVEMENT MARKER REMOVED, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SUB-SUMMARY

HORIZONTAL SCALE IN FEET
0 10 20 40

STRUCTURE DETAILS
MED-71-1870L&R
I.R. 71 OVER I.R. 271 SOUTHBOUND

SFN 5203694
SFN 5203724
DESIGN AGENCY DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM | CHECKER JNC
REVIEWER KAK 07-31-24
PROJECT ID 118791
SUBSET 1 | TOTAL 1
SHEET P.32 | TOTAL 37

MED-71-15.79

MODEL: MED-71-1870 STRUCTURE DETAILS PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:09:37 AM USER: amellen
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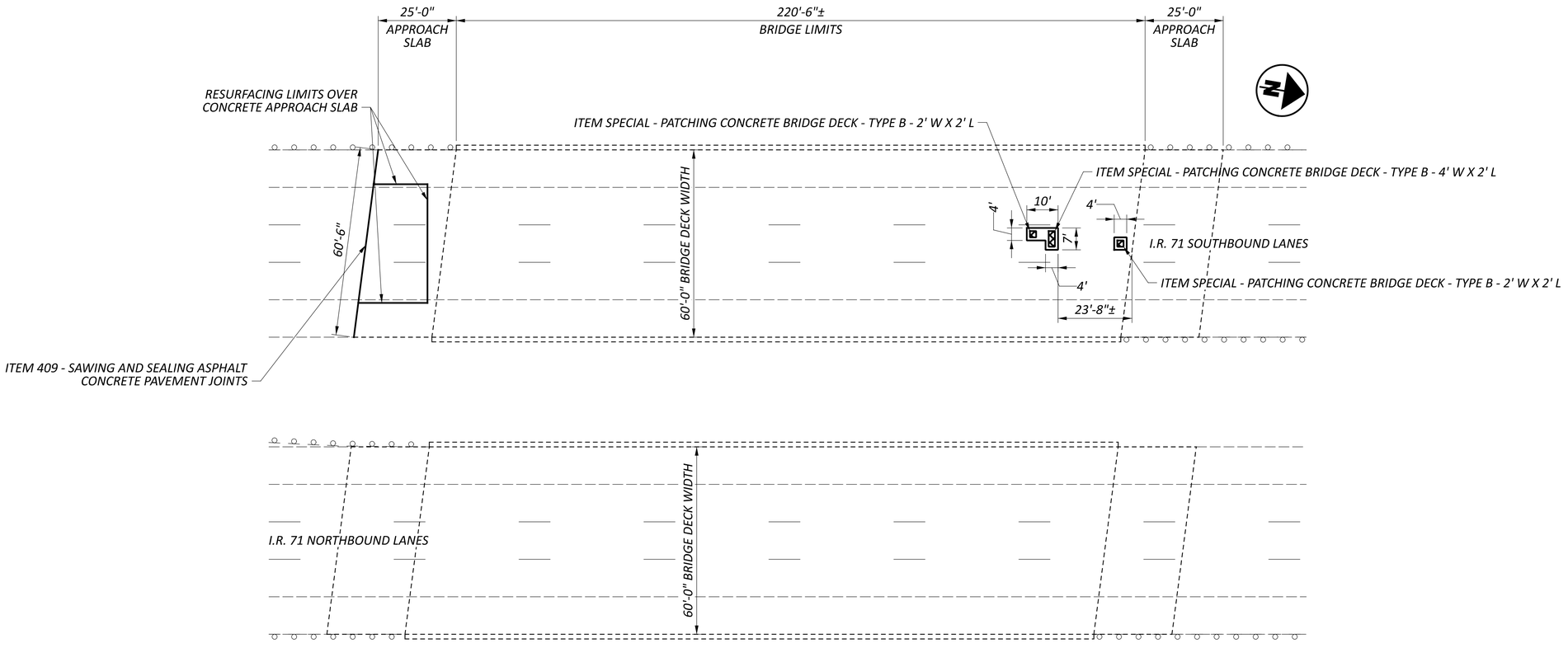

PLAN VIEW

NOTES

1.) ITEM 409 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
SAW AND SEAL THE JOINT BETWEEN THE APPROACH PAVEMENT AND THE APPROACH SLAB AFTER THE ASPHALT CONCRETE SURFACE COURSE IS PLACED. THE CONTRACTOR SHALL REFER TO STANDARD CONSTRUCTION DRAWING AS-1-15, DETAIL C FOR ADDITIONAL DETAILS.

2.) NO WORK ON MED-71-1992R STRUCTURE.

3.) SEE GUARDRAIL DETAILS SHEETS FOR PROPOSED APPROACH ROADWAY GUARDRAIL WORK.

ESTIMATED QUANTITIES MED-71-1992L (SFN: 5203813)

ITEM	QUANTITY	UNIT	DESCRIPTION
407	14	GAL	TACK COAT, 702.13
409	61	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
512	8	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN
SPECIAL	2	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B

ALL QUANTITIES CARRIED TO STRUCTURE SUB-SUMMARY

HORIZONTAL SCALE IN FEET
0 10 20 40

STRUCTURE DETAILS
MED-71-1992L&R
I.R. 71 OVER ROCKY RIVER

SFN 5203813
SFN 5203848
DESIGN AGENCY DISTRICT 3
ENGINEERING TEAM THREE
DESIGNER ACM | CHECKER JNC
REVIEWER KAK 07-31-24
PROJECT ID 118791
SUBSET 1 | TOTAL 1
SHEET P.34 | TOTAL 37

MED-71-15.79

MODEL: MED-71-1992 STRUCTURE DETAILS PAPERSIZE: 34x22 (in.) DATE: 11/25/2024 TIME: 7:09:38 AM USER: amellen
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