

	Locations and Treatments								
Location	County	Route	Bridge No.	SFN	Latitude	Longitude	Description	Proposed Treatments	
1	FAI	SR 158	FAI-158-8.87	2301717	39.832794	-82.607142	SR 158 OVER LITTLE WALNUT CREEK	PATCH DECK AS NEEDED, SEAL WITH HMWM, PATCH ABUTMENT FACES	
2	KNO	US 62	KNO-62-14.28	4202104	40.396606	-82.277683	US 62 OVER KOKOSING RIVER	PATCH DECK AS NEEDED, SEAL WITH HMWM	
3	KNO	US 62	KNO-62-17.32	4202198	40.438119	-82.261011	US 62 OVER TRIB OF E BR OF JELLOWAY CREEK	PATCH DECK AS NEEDED, SEAL WITH HMWM	
4	KNO	US 62	KNO-62-17.80	4202236	40.445100	-82.260536	US 62 OVER E BR OF JELLOWAY CREEK	PATCH DECK AS NEEDED, SEAL WITH HMWM, SEAL SIDEWALK WITH GRAVITY FED RESIN	
5	KNO	US 62	KNO-62-18.82	4202260	40.451065	-82.248733	US 62 OVER E BR OF JELLOWAY CREEK	PATCH DECK AS NEEDED, SEAL WITH HMWM	
6	KNO	US 62	KNO-62-21.92	4202317	40.465528	-82.195108	US 62 OVER MOHICAN RIVER	PATCH DECK AS NEEDED, SEAL WITH HMWM, REPAIR DECK EDGE	

DESIGN DESIGNATION- LOCATION 1 LIBERTY TOWNSHIP VILLAGE OF BALTIMORE

CURRENT ADT (2024)	4,897
DIRECTIONAL DISTRIBUTION	52%
TRUCKS (24 HOUR B&C)	288
LEGAL SPEED	35
DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECT	ЭR

VILLAGE OF BALTIMORE CONTACT DETAILS

PHONE: (740) 862-8550 ADDRESS: 103 WEST MARKET ST BALTIMORE, OH 43105 WEBSITE: WWW.BALTIMOREOHIO.ORG

DESIGN DESIGNATION-LOCATION 2 UNION TOWNSHIP

CURRENT ADT (2024)	3,164
DIRECTIONAL DISTRIBUTION	54%
TRUCKS (24 HOUR B&C)	280
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTO	OR

CURRENT AD DIRECTIONA TRUCKS (24 H LEGAL SPEED

VILLAGE OF DANVILLE CONTACT DETAILS

PHONE: (740) 599-6888 EMAIL: DANCLERK@DANVILLEOHIO.ORG ADDRESS: 512 SOUTH MARKET ST. PO BOX W DANVILLE, OH 43014 WEBSITE: WWW.DÁNVILLEOHIO.ORG

DESIGN DESIGNATION-LOCATION 5 & 6 UNION TOWNSHIP

CURRENT AD DIRECTIONA TRUCKS (24 F LEGAL SPEED

DESIGN DESIGNATION-LOCATION 3 & 4 UNION TOWNSHIP VILLAGE OF DANVILLE

DT (2024)	5,076
L DISTRIBUTION	51%
HOUR B&C)	486
)	35

DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR

DT (2024)	_ 1,833
L DISTRIBUTION	_ 65%
HOUR B&C)	_ 300
)	_ 55

DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR

LOCATION MAP FAIRFIELD AND KNOX COUNTIES ESIGN AGENCY ESIGNER MHK REVIEWER JKS 02/20/25 ROJECT ID 122661 SHEET TOTAL

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	Locations and Treatments							
Location	County	Route	Bridge No.	SFN	Latitude	Longitude	Description	Proposed Treatments
7	LIC	SR 13	LIC-13-13.77	4500245	40.114594	-82.428375	SR 13 OVER DRY CREEK	PATCH DECK AS NEEDED, SEAL WITH HMWM
8	LIC	SR 13	LIC-13-14.77	4500369	40.130250	-82.428475	SR 13 OVER CLEAR FORK LICKING RIVER	PATCH DECK AS NEEDED, SEAL WITH HMWM, SPOT PAINT RIGHT FASCIA BEAM
9	LIC	SR 13	LIC-13-17.35	4500423	40.165475	-82.422039	SR 13 OVER N FORK LICKING RIVER	REPAIR TOP OF CONCRETE BACKWALL
10	LIC	SR 13	LIC-13-18.28	4500032	40.178725	-82.420483	SR 13 OVER N FORK LICKING RIVER	PATCH DECK AND APPROACH SLABS AS NEEDED, SEAL WITH HMWM
11	LIC	SR 13	LIC-13-20.31	4500482	40.203394	-82.439892	SR 13 OVER LAKE FORK LICKING RIVER	PATCH DECK AND APPROACH SLABS AS NEEDED, SEAL WITH HMWM
12	LIC	SR 13	LIC-13-22.20	4500520	40.227714	-82.451064	SR 13 OVER N FORK LICKING RIVER	PATCH DECK AND APPROACH SLABS AS NEEDED, SEAL WITH HMWM, REPAIR RAILING, CLEAN BRIDGE
13	LIC	SR 16	LIC-16-19.68	4503481	40.062872	-82.429572	SR 16 OVER 21ST STREET	REPLACE PARAPET TOPS, REMOVE AND REERECT SIGN, PATCH PIER CAP

DESIGN DESIGNATION-LOCATION 7 NEWTON TOWNSHIP

CURRENT ADT (2024)	14,725
DIRECTIONAL DISTRIBUTION	57%
TRUCKS (24 HOUR B&C)	724
LEGAL SPEED	50
DESIGN FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTER	RIAL

DESIGN DESIGNATION- LOCATION 8 & 9 NEWTON TOWNSHIP VILLAGE OF ST LOUISVILLE

CURRENT ADT (2024)	8,594
DIRECTIONAL DISTRIBUTION	62%
TRUCKS (24 HOUR B&C)	930
LEGAL SPEED	50
DESIGN FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTEI	RIAL

CITY OF NEWARK CONTACT DETAILS

VILLAGE OF ST. LOUISVILLE CONTACT DETAILS

PHONE: (740) 745-5454 ADDRESS: 1 SCHOOL ST ST LOUISVILLE, OH 43071

VILLAGE OF UTICA CONTACT DETAILS

PHONE: (740) 892-2841 ADDRESS: 39 SPRING ST UTICA, OH 43080 WEBSITE: WWW.UTICAOHIO.GOV

DESIGN DESIGNATION-LOCATION 10 & 11 WASHINGTON TOWNSHIP

DESIGN DESIGNATION- LOCATION 12 WASHINGTON TOWNSHIP VILLAGE OF UTICA

CURRENT ADT (2 DIRECTIONAL DI TRUCKS (24 HOL LEGAL SPEED

DESIGN DESIGNATION-LOCATION 13 CITY OF NEWARK

CURRENT ADT (2 DIRECTIONAL DIS TRUCKS (24 HOL LEGAL SPEED _

CURRENT ADT (2024)	6,512
DIRECTIONAL DISTRIBUTION	54%
TRUCKS (24 HOUR B&C)	565
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION: RURAL PRINCIPAL ARTER	<i>RIAL</i>

2024)	7,817
STRIBUTION	57%
UR B&C)	493
	35

DESIGN FUNCTIONAL CLASSIFICATION: RURAL PRINCIPAL ARTERIAL

2024)	36,500
STRIBUTION	62%
JR B&C)	1,460
	55

DESIGN FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL FREEWAY

ESIGN AGENCY



CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES. LANE RESTRICTIONS. LANE CLOSURES. AND/OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL AT: D05.PIO@dot.state.oh.us

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR EMAIL AT: brian.bosch@dot.state.oh.us

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT: hauling.permits@dot.state.oh.us

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES

UTILITY OWNERSHIP

UTILITY CONFLICTS NOT EXPECTED AND LOCATIONS NOT SURVEYED. USE CAUTION AROUND AERIAL UTILITIES AND UTILIZE "CALL BEFORE YOU DIG" PRIOR TO ANY EXCAVATION.

GENERAL PROVISIONS

THE CONTRACTOR'S ATTENTION IS CALLED TO ALL OF SECTION 100 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION.

MOBILIZATION

THE CONTRACTOR SHALL ON ANY CONTRACT FOR WHICH HIS BID EXCEEDS \$50,000.00 INCLUDE AN AMOUNT TO COVER ANY APPLICABLE EXPENDITURES REFERRED TO UNDER ITEM 624 OF THE 2023 CONSTR-UCTION AND MATERIAL SPECIFICATIONS. PAYMENT SHALL BE THE LUMP SUM BID PRICE FOR ITEM 624, MOBILIZATION.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CON-STRUCTION 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.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

REMOVED MATERIALS

ALL REMOVED MATERIALS EXCEPT AS NOTED ELSEWHERE IN THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE JOB SITE.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201 CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 CLEARING AND GRUBBING.

ENVIRONMENTAL NOTE

THIS PROJECT INVOLVES WORK OVER VARIOUS STREAMS AND WATER-WAYS LISTED AND SHOWN ON THE LOCATION MAPS AND PLAN SHEETS. ALL WORK IS PROHIBITED FROM OCCURING BELOW THE OHWM IN ANY STREAM FLOWING UNDER THE LISTED STRUCTURES. DO NOT PLACE ANY TEMPORARY OR PERMANENT FILL WITHIN THE JURISDICTIONAL BOUNDARIES OF ALL STREAMS, WETLANDS, AND JURISDICTIONAL DITCHES DURING THE CONSTRUCTION OF THIS PROJECT, INCLUDING SCAFFOLDING OR BRACING. DO NOT PLACE ANY EQUIPMENT WITHIN THE JURISDICTIONAL BOUNDARY OF ANY WATERWAY. IF DEBRIS ENTERS THE WATERWAY DURING CONSTRUCTION, REMOVE THE DEBRIS IMMEDIATELY USING EQUIPMENT STAGED OUTSIDE THE JURISDICTIONAL BOUNDARY.

ENVIRONMENTAL NOTE - BRIDGE NO. KNO-62-14.28 AND BRIDGE NO. KNO-62-21.92

THE KOKOSING RIVER AT BRIDGE NO. KNO-62-14.28 (SFN 4202104) AND THE MOHICAN RIVER AT BRIDGE NO. KNO-62-21.92 (SFN 4202317) ARE UNIQUE AND ENVIRONMENTALLY SENSITIVE WATER-WAYS AND HAVE BEEN DESIGNATED AS STATE SCENIC RIVERS. THE RIVERS ARE FREQUENTLY UTILIZED BY RECREATIONAL BOATERS IN THE PROJECT AREA. THE PROPOSED WORK ON THE BRIDGES (DECK REPAIR/ PATCHING AND SEALING WITH HMWM) ARE NOT PERMITTED TO IMPACT THE WATERWAYS; HOWEVER, TO PROTECT RECREATIONAL BOATERS AND THE SCENIC VALUE OF THE RIVER, THE CONTRACTOR SHALL COMPLY WITH CMS 107.08, 107.19, AND THE FOLLOWING:

FOR THE DURATION OF THE WORK ON THESE BRIDGES THE CONTRACTOR WILL NOT BE PERMITTED TO WORK WITHIN THE JURISDICTIONAL BOUNDARY OF THE CHANNELS, DEFINED BY THE ORDINARY HIGH WATER MARK AT ELEVATION 871.37 (KOKOSING RIVER, BRIDGE NO. KNO-62-14.28) OR ELEVATION 856.40 (MOHICAN RIVER, BRIDGE NO. KNO-62-21.92).

THE CONTRACTOR IS STRICTLY PROHIBITED FROM STORING OR STAGING ANY EQUIPMENT OR MATERIALS (INCLUDING BUT NOT LIMITED TO CONCRETE, ROCK, DUST, WASTEWATER, HMWM SEALER, ETC), WASTE OR NEW, BELOW THE ORDINARY HIGH WATER MARKS. NO COFFER-DAMS, WEIRS, OR CAUSEWAYS, WILL BE PERMITTED TO BE PLACED IN THESE CHANNELS. DURING ABOVE NORMAL CHANNEL FLOW, THE CONTRACTOR SHALL STAGE ALL WORK EQUIPMENT AND MATERIALS ABOVE THE WATER.

ALL MATERIALS SHALL BE CAREFULLY COLLECTED AND PLACED SO THAT THEY DO NOT ENTER THE WATER. WASTE MATERIAL SHALL BE DISPOSED OF AWAY FROM THE SITE. DURING ALL CONSTRUCTION **OPERATIONS, PRECAUTIONS SHALL BE TAKEN TO PREVENT ANY** CONSTRUCTION RUNOFF OR DROPEED MATERIALS FROM ENTERING THE CHANNELS. IF AT ANY TIME MATERIALS ARE FOUND TO BE ENTERING THE CHANNELS, ALL WORK SHALL CEASE IMMEDIATELY AND SHALL NOT RESUME UNTIL THE CONTRACTOR CAN VERIFY TO THE ENGINEER THAT CORRECTIVE MEASURES HAVE BEEN IMPLEMENTED TO PREVENT FURTHER INCIDENTS.

THE CONTRACTOR SHALL MAINTAIN ON SITE AN OIL SPILL CONTAIN-MENT KIT WITH A MINIMUM CAPACITY OF 65 GALLONS. ANY MATERIALS UTILIZED DURING THE WORK SHALL BE REPLACED WITHIN 48 HOURS. THE SPILL KIT SHALL CONTAIN:

6 - 3 IN. X 8 FT OIL ONLY SOCKS 4 - 18 IN. X 18 IN. OIL ONLY PILLOWS 2 - 5 IN. X 10 FT BOOMS 50 - 16 IN. X 20 IN. OIL ONLY PADS *10 - DISPOSABLE BAGS* 1 - 65 GALLON DRUM WITH LID 25 POUNDS OF GRANULAR OIL ABSORBENT

COSTS ASSOCIATED WITH FURNISHING AND MAINTAINING THE SPILL KIT SHALL BE INCIDENTAL TO THE WORK.

THE PROPOSED WORK ON THESE BRIDGES DO NOT REQUIRE THE PLACEMENT OF ANY TEMPORARY OR PERMANENT FILLS BELOW THE ORDINARY HIGH WATER ELEVATIONS. THEREFORE A SECTION 404 PERMIT FROM THE US ARMY CORPS OF ENGINEERS HAS NOT BEEN OBTAINED.

INSPECTION FOR BATS AND NESTING BIRDS

PRIOR TO THE START OF DEMOLITION ACTIVITIES THE CONTRACTOR SHALL INSPECT THE UNDERSIDE OF THE BRIDGE FOR THE PRESENCE OF BATS AND/OR NESTING BIRDS. IF ANY BATS OR NESTING BIRDS ARE OBSERVED THE CONTRACTOR SHALL NOTIFY THE DISTRICT 5 PLANNING DEPARTMENT: NICOLE HAFER-LIPSTREU @ (740) 323-5103 (NICOLE.HAFERLIPSTREU@DOT.OHIO.GOV), OR BRIAN TATMAN @ (740) 323-5191 (BRIAN.TATMAN@DOT.OHIO.GOV) PRIOR TO STARTING ANY DEMOLITION WORK.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT WITH A TRUNK 3" OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, WITH A MINIMUM HEIGHT OF 13 FEET. THE CONTRACTOR SHALL REMOVE ONLY THE TREES NECESSARY TO COMPLETE THE PROJECT.

ITEM 407 - NON TRACKING TACK COAT

THE RATE OF APPLICATION OF ITEM 407 - NON TRACKING TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.06 GAL/SY FOR INTERMEDIATE COURSE FOR ESTIMATING PURPOSES ONLY.

ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)

THIS ITEM SHALL BE USED TO REPLACE THE WEARING COURSE REMOVED AT BRIDGE LIC-13-17.35 SFN 4500423. SEE BRIDGE SHEETS FOR PROPOSED WEARING COURSE CALCULATIONS.

DESIGN DATA

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI REINFORCING STEEL - ASTM A615 OR A996, GRADE 60, MINIMUM YIELD STRENGTH 60 KSI GFRP - C&MS 705.28 (MODULUS 8700KSI)

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

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

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO T	THE FOLLOWING STANDARD BRIDGE DRAWI	NGS:
DBR-2-73	DATED: 04-10-73	
EXJ-3-82	DATED: 08-01-84	
PCB-91	DATED: 07-17-20	

REFERENCE

EXISTING BRIDGE PLANS MAY BE INSPECTED AND ARE PROVIDED WITH THIS PROJECT'S BIDDING DOCUMENTS.

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.

(2)

THIS WORK CONSISTS OF THE REMOVAL OF THE DECK END AND BACK-WALL AS SHOWN IN THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT POR-TIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED I.E. EXISTING BRIDGE DECK, JOINT ARMOR, RESTEEL, AND BEAMS. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 85-POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

THE DEPARTMENT WILL MEASURE QUANTITY OF REMOVALS ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 -PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END DAM CONCRETE).

THIS WORK CONSISTS OF THE REMOVAL OF PORTIONS OF PARAPET AS SHOWN IN THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED I.E. EXISTING BRIDGE DECK, RESTEEL, AND BEAMS. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 85-POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

THE DEPARTMENT WILL MEASURE QUANTITY OF REMOVALS ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 -PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (PARAPET).

ITEM 202 - REMOVAL MISC.: BEAM SEAT DEBRIS AT THE LOCATIONS SPECIFIED IN THE PLANS, PERFORM THE FOLLOW-ING: REMOVE FOREIGN MATERIAL THAT IS PRESENT ON ABUTMENT BEAM SEATS. MECHANICAL SWEEPING, WATERBLASTING, AND/OR AIRBLASTING MAY BE UTILIZED. REMOVAL LIMITS SHALL BE AS PER THE FIELD ENGINEER.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 202 - REMOVAL MISC.: BEAM SEAT DEBRIS.



THIS WORK CONSISTS OF REMOVING ONE DAMAGED BRIDGE RAILING POST AND THREE 25-FOOT SECTIONS OF DBR-2-73 GUARDRAIL SECTIONS AT THE LOCATION SHOWN IN THE DETAILS FOR BRIDGE NO. LIC-13-2220 SFN 4500520. USE CAUTION DURING REMOVALS SO AS NOT TO DAMAGE PORTIONS OF THE RAILING THAT ARE TO REMAIN.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 202 - REMOVAL MISC.: BRIDGE RAILING COMPONENTS.

6

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (DECK EDGE)

THIS WORK CONSISTS OF THE REMOVAL OF THE DECK EDGE AS SHOWN IN THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED I.E. EXISTING BRIDGE DECK, EXISTING RESTEEL, AND EXISTING BEAMS. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 85-POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

THE DEPARTMENT WILL MEASURE QUANTITY OF REMOVALS ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 -PORTIONS OF STRUCTURE REMOVED. AS PER PLAN (DECK EDGE).

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END DAM CONCRETE)

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (PARAPET)

ITEM 202 - REMOVAL MISC.: BRIDGE RAILING COMPONENTS

ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)

THIS WORK CONSISTS OF CONSTRUCTING THE PROPOSED PARTIAL PARAPETS AS SHOWN IN THE BRIDGE DETAIL SHEETS.

PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR, EQUIPMENT, AND MATERIALS WILL BE MADE AT THE CUBIC YARD CONTRACT PRICE BID FOR ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET).

ESIGN AGENCY



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NOTES ENERAL J





(15)THIS ITEM SHALL CONFORM TO PROPOSAL NOTE 512 ALONG WITH THE FOLLOWING REQUIREMENTS.

ALL BRIDGE DECK PATCHING SHALL USE COMMERCIAL GRADE QUIKCRETE FAST SET DOT MIX EXTENDED OR APPROVED EQUAL. THE MATERIAL SHALL BE PLACED AT A MINIMUM DEPTH OF FOUR (4) INCHES AND CURED PER MANUFACTURES RECOMMENDATIONS.

FOR LOCATIONS WITH PERMITTED LANE CLOSURE RESTRICTIONS: THE CONTRACTOR SHALL CONTINUE THE WET CURE FOR THE MAXIMUM NUMBER OF HOURS POSSIBLE DURING THE PERMITTED LANE CLOSURE. TRAFFIC WILL NOT BE PERMITTED ON THE FINISHED CONCRETE SURFACE UNTIL AFTER TWO TEST BEAMS HAVE ATTAINED AN AVERAGE MODULUS OF RUPTURE OF **400 PSI**. ONE HOUR BEFORE THE PERMITTED LANE CLOSURE PERIOD ENDS, CONTRACTOR SHALL DRY THE NEW CONCRETE SURFACE AND APPLY A MEMBRANE CURING COMPOUND. DRYING METHODS INTRODUCING EXTERNAL HEAT (I.E. WEED BURNERS, TORCHES) WILL NOT BE PERMITTED.

ALL LOCATIONS AND DIMENSIONS WILL BE DETERMINED BY THE ENGINEER. THE INTENT OF THE WORK IS TO CORRECT HEAVILY DETER-IORATED SURFACE ZONES (I.E. FAILED CONCRETE/ASPHALT PATCHES, MAP-CRACKED DETERIORATED AREAS, SPALLED/OPEN POTHOLES, ETC.) AND NOT TO CORRECT ALL UNSOUND AREAS OF THE BRIDGE DECK/ OVERLAY AND APPROACH SLABS.

PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR, EQUIPMENT AND MATERIAL WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 519 -PATCHING CONCRETE BRIDGE DECKS, TYPE B

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)

REMOVAL OF UNSOUND CONCRETE SHALL BE PERFORMED AS SPECIFIED IN CMS 519.03. CONCRETE SHALL BE REMOVED AND REPLACED AT A DEPTH OF 6". PATCHING LOCATIONS SHALL BE VERIFIED AND PERFOR-MED AS DIRECTED BY THE ENGINEER.

PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS THAT ARE TO REMAIN, I.E. STEEL BEAMS, REINFORCING STEEL. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 85 POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

THE DEPARTMENT WILL MEASURE THE QUANTITY OF WORK ON A SQUARE FOOT BASIS AND INCLUDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK FOR PAYMENT WITH ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS).

ITEM 519 - PATCHING CONCRETE STRUCTURE, (17)AS PER PLAN (PIER CAPS)

REMOVAL OF UNSOUND CONCRETE SHALL BE PERFORMED AS SPECIFIED IN CMS 519.03. CONCRETE SHALL BE REMOVED AND REPLACED AT A DEPTH OF 6". PATCHING LOCATIONS SHALL BE VERIFIED AND PERFOR-MED AS DIRECTED BY THE ENGINEER.

THE DEPARTMENT WILL MEASURE THE QUANTITY OF WORK ON A SQUARE FOOT BASIS AND INCLUDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK FOR PAYMENT WITH ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER CAPS).

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER STEMS)

REMOVAL OF UNSOUND CONCRETE SHALL BE PERFORMED AS SPECIFIED IN CMS 519.03. CONCRETE SHALL BE REMOVED AND REPLACED AT A DEPTH OF 6". PATCHING LOCATIONS SHALL BE VERIFIED AND PERFOR-MED AS DIRECTED BY THE ENGINEER.

THE DEPARTMENT WILL MEASURE THE QUANTITY OF WORK ON A SQUARE FOOT BASIS AND INCLUDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK FOR PAYMENT WITH ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER STEMS).

ITEM 530 - SPECIAL - STRUCTURES: BRIDGE CLEANING SEE PLAN INSERT SHEETS FOR NOTES AND DETAILS.

(19)

(20)

(21)

ITEM 630 - REMOVAL OF STRUCTURE MOUNTED SIGN AND REERECTION, AS PER PLAN

THIS WORK CONSISTS OF REMOVING THE STRUCTURE MOUNTED SIGNS ON BRIDGE NO. LIC-16-19.68 AND REERECTING THEM AFTER PARAPET TOP REPLACEMENT. MOUNTING HARDWARE CAST INTO CONCRETE THAT IS TO REMAIN MAY BE LEFT IN PLACE. HARDWARE THAT MUST BE REMOVED WITH THE CONCRETE PARAPET CAN BE REUSED IF IN GOOD CONDITION SUBJECT TO THE APPROVAL OF THE ENGINEER. IF HARDWARE IS NOT IN GOOD CONDITION, REPLACE IT WITH PARTS DETAILED IN ARCHIVED STANDARD DRAWING TC-18.26.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO REMOVE AND REERECT THE SIGN.

ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

THE CONTRACTOR SHALL REPAIR DETERIORATED AREAS, WHERE THE DEPTH OF PATCH IS $1\frac{1}{2}$ " to 3", as located by and to the satisfac-TION OF THE ENGINEER ACCORDING TO ITEM 843 PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR AND THE DETAILS SHOWN IN THESE PLANS. AN ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY SHEET FOR BIDDING PURPOSES. THE FINAL PAY-MENT SHALL BE FOR THE ACTUAL AMOUNT PERFORMED AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQ. FT. FOR ITEM 843 - PATCHING CONCRETE STRUCTURE WITH TROWELABLE MORTAR, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

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P.6 46

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5 FY2026 BRIDGE REHAB V

			PART.		ITEM	GRAND		
			01/NFP/47	ITEM	EXT	TOTAL	UNIT	
			15	201	11000	IS		CLEARING AND GRUBBING
				201	11000	2		
			31	202	23500	31	SY	WEARING COURSE REMOVED
			20,000	832	30000	20,000	EACH	EROSION CONTROL
			2	407	20000	2	GAL	
					20000	۷	UAL	
			3	441	70200	3	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYP
			1	630	86321	1	EACH	T REMOVAL OF STRUCTURE MOUNTED SIGN AND R
			1.28	642	00104	1.28	MILE	EDGE LINE, 6", TYPE 1
			0.17	642	00204	0.17	MILE	LANE LINE, 6", TYPE 1
			0.54	642	00300	0.54	MILE	CENTER LINE, TYPE 1
			740 123 15	512 519 519	10301 11101 12300	740 123 15	SY SF SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM PATCHING CONCRETE STRUCTURE, AS PER PLAN (A PATCHING CONCRETE BRIDGE DECK - TYPE B
								STRUCTURE REPA
			1,351 27	512 519	10301 12300	1,351 27	SY SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM PATCHING CONCRETE BRIDGE DECK - TYPE B
			112 6	512 519	10301 12300	112 6	SY SY	STRUCTURE REPA SEALING CONCRETE BRIDGE DECKS WITH HMWM PATCHING CONCRETE BRIDGE DECK - TYPE B
			378 131 25	512 512 519	10301 73501 12300	378 131 25	SY SY SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM TREATING CONCRETE BRIDGE DECKS WITH GRAVI PATCHING CONCRETE BRIDGE DECK - TYPE B
								STRUCTURE REPA
			353 7	512	10301 12300	353 7	SY SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM
						, 		
			1	202 511	11301 53012	1	CY CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLA CLASS QC2 CONCRETE, MISC.: ACCELERATING ADI
• • • •			67	516	31011	67	FT	2" DEEP JOINT SEALER, AS PER PLAN
\dots	····	····	usu	<u>151811</u>	12300	<u>usi</u>	use	PATCHING CONCRETE BRIDGE DECK TYPE B
			836 17	512 519	10301 12300	836 17	SY SY	STRUCTURE REPA SEALING CONCRETE BRIDGE DECKS WITH HMWM PATCHING CONCRETE BRIDGE DECK - TYPE B
								STRUCTURE REPA
			815	512	10301	815	SY cr	SEALING CONCRETE BRIDGE DECKS WITH HMWM
			40	514 519	27700	40	٦٢ ٢ ٢ ٢	PATCHING CONCRETE BRIDGE DECK-TYPE B
	<u> </u>		2 2	SPECIAL SPECIAL	53000400 53000400	2 2	EACH EACH	STRUCTURES: CLEANING OF BRIDGE JOINTS STRUCTURES: CLEANING OF BRIDGE SEATS
	\sim		\sim				~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

DESCRIPTION	SEE SHEET NO.	
ROADWAY		
PAVEMENT		
PE 1, (449)		
REERECTION, AS PER PLAN	6	
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		۷ ۲
AIR (SFN 2301717 OR FAI-158-0887)		U L
VI RESIN, AS PER PLAN	6	L S
(ABUTIVIENTS)	b	\$A
		N E F
AIR (SEN 4202104 OR KNO-62-1428)		ΕN
VI RESIN, AS PER PLAN	6	U
AIR (SFN 4202198 OR KNO-62-1732)		
VI RESIN, AS PER PLAN	6	
AIR (SFN 4202236 OR KNO-62-1780)		
VI RESIN, AS PER PLAN	6	
/ITY FED RESIN, AS PER PLAN	6	
AIR (SFN 4202260 OR KNO-62-1882) M RESIN. AS PER PLAN	6	
	-	
AIR (SFN 4202317 OR KNO-62-2192)		
AN (DECK EDGE)	5	
VIVIIAIUKE	ь ~~б~~	\sim
	6	
	·····	
AIR (SFN 4500245 OR LIC-13-1377) M RESIN. AS PER PLAN	6	
	~	
		DESIGNER
PAIR (SFN 4500369 OR LIC-13-1477)		MHK reviewer
VI RESIN, AS PER PLAN MEMBERS	6 6	JKS 02/20/25
		122661
	7	SHEET TOTAL P.10 46

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_														ITEM			UNIT DESCRIPTION SEE SHE NO.	ET
L	9	13	14	18	21	25	28	33 37	40				01/NFP/47		EXT	TOTAL		
-																	STRUCTURE REPAIR (SEN 4500423 OR LIC-13-1735)	
						5							5	202	11301	5	CYPORTIONS OF STRUCTURE REMOVED, AS PER PLAN5	
_						5 195							195	511	53012	5 195	CY CLASS QC2 CONCRETE, MISC.: ACCELERATING ADMIXTURE 6	
_						105							105	510	51011	105	FI 2 DEEP JOINT SEALER, AS PER PLAN 0	
_																		
		1,146											1,146	512	10301	1,146	STRUCTURE REPAIR (SFN 4500032 OR LIC-13-1828)SYSEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN6	
		23											23	519	12300	23	SY PATCHING CONCRETE BRIDGE DECK - TYPE B	
_																		
																	STRUCTURE REPAIR (SFN 4500482 OR LIC-13-2031)	
_		859	m			\cdots	\cdots	m	\cdots	m	m	*****	<u>859</u>	512	21011	~~ 859~~		
-			h	h	h	uu	·····	h	uu	h	h	·····		510	12800		PT 2 DEEP JOINT SEALER, AS PER PLAN 0 O SY PATCHING CONCRETE BRIDGEDECK TYPE B	
-																	STRUCTURE REPAIR (SFN 4500520 OR LIC-13-2220)	
							1						1	202	11301	1	CYPORTIONS OF STRUCTURE REMOVED, AS PER PLAN (DECK EDGE)5	
_							LS						LS	202	98000	LS	REMOVAL MISC.: BRIDGE RAILING COMPONENTS 5	_ ≿
-							1						1	511	53012	1	CY CLASS QC2 CONCRETE, MISC.: ACCELERATING ADMIXTURE 6	- A
		1,042											1,042	512	10301	1,042	SY SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN 6	Ξ Σ
_							100						100	517	76300		ET BAILING MISC · (DBR GUARDRAIL SECTION) Removed bridge cleaning 6	
_							Line in the second seco						Cy .	517	76302	(in the second	EACHRAILING, MISC.: (DBR POST ASSEMBLY)and DBR tube railing items6	SI
_														F10	12200			AL
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_								0					0	202	11301	0	STRUCTURE REPAIR (SFN 4503481 OR LIC-16-1968) CV DORTIONS OF STRUCTURE REMOVED, AS DER DIANI (DARADET)	Ū
_													5	202	11501	5		
_								9					9	511	34449	9	CY CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN 5	
			56										56	519	11101	56	SF PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER CAPS) 6	
002.dc																		
1_GG								15					15	202	98000	15	STRUCTURE REPAIR (SFN 6002315 OR MUS-70-0198L) REMOVAL MISC · BEAM SEAT DEBRIS	-
/12266																	Kenioved enisear	
Sheets		888											888	512	10301	888	SY SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN 6 ET STRUCTURAL STEEL MASC : REPAIR OF DAMAGED SECONDARY MEMBER FULLET WELDING 6	
dway\S								l from			m		\sim					\sim
g\Roa			16					hun		·····	uu	uu	16	<u> </u>	HID	min min	vse patching concrete structure, as per plan (pier stems)	
neerin		18	85										<u>18</u> 85	519 843	12300 50001	18 85	SY PATCHING CONCRETE BRIDGE DECK - TYPE B SE PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR AS PER PLAN	
0-Engi													00	013	50001			
																	Removed emseal	_
kinnair 5\1226								LS					LS	202	98000	LS	REMOVAL MISC.: BEAM SEAT DEBRIS 5	—
ER: m													• • -					
M US		888						<u>f</u>			\sim		888			888	SY ISEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN. AS PER PLAN	~
9:03 P ects/Di			4					- Curr	·····	·····	uu	uu	<u> </u>	<u>13191</u>	11101	man	ATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER STEMS)	
■ I:1 ■ ■ ■		18	05										18 85	519	12300 50001	18 °E	SY PATCHING CONCRETE BRIDGE DECK - TYPE B SE DATCHING CONCRETE STRUCTURES WITH TROWIELABLE MORTAR, AS DER DLAND	
1 Activ			60										65	045	50001	60	SF PATCHING CONCRETE STRUCTURES WITH TROWELABLE WORTAR, AS PER PLAN 0	DESIGN AGENCY
/8/202 ents/0																		
									15				15	202	98000	15	STRUCTURE REPAIR (SFN 6002404 OR MUS-70-0299L) REMOVAL MISC.: BEAM SEAT DEBRIS 5	
X22 (ir vdot-pr		627							1				627	512	10301	627	SY SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN 6 EACH STRUCTURAL STEEL MASC - DEPAID OF DAMAGED MENADED, CDACK ADDECT HOLE 6	_
ZE: 34 m:ohic									45				 45	513	95030 14600	45	EACHSTRUCTURAL STEEL, WISC.: KEPAIK OF DAWAGED WEWBER, CKACK AKKEST HULE6FTSTRUCTURAL JOINT OR JOINT SEALER, MISC.: EMSEAL6	DESIGNER
PERSI:													-					REVIEWER
¥ PAF ⊮ PAF w.beni		12	16										16	519 510	11101	16 12	SF PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS) 6 SY PATCHING CONCRETE BRIDGE DECK - TYPE B	JKS 02/20/25
O □ ∴ Shee odot-p															12300	1.5		PROJECT ID 122661
																		SHEET TOTAL
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		GRAND	ITEM		PART.	
	UNIT	TOTAL	EXT	ITEM	01/NFP/47	
STRUCTURE REPA	SV	541	10301	512	541	
PATCHING CONCRETE STRUCTURE AS PER PLAN	SF		11101	519		
PATCHING CONCRETE BRIDGE DECK - TYPE B	SY	11	12300	519	11	
PATCHING CONCRETE STRUCTURES WITH TROW	SF	52	50001	843	52	
STRUCTURE REPA						
SEALING CONCRETE BRIDGE DECKS WITH HMWN	SY	847	10301	512	847	
PATCHING CONCRETE BRIDGE DECK - TYPE B	SY	17	12300	519	17	
PATCHING CONCRETE STRUCTURES WITH TROW	SF	12	50001	843	12	
STRUCTURE REPA						
SEALING CONCRETE BRIDGE DECKS WITH HMWN	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	897	10301	512	897	
2" DEEP JOINT SEALER, AS PER PLAN	FT	144	31011	516	144	
PATCHING CONCRETE STRUCTURE, AS PER PLAN	SF		11101	519		
PAICHING CONCRETE BRIDGE DECK - TYPE B	SY	45	12300	519	45	
STRUCTURE REPA						
SEALING CONCRETE BRIDGE DECKS WITH HMWN	SY	299	10301	512	299	
PATCHING CONCRETE BRIDGE DECK - TYPE B	SY	6	12300	519	6	
STRUCTURE REPA						
SEALING CONCRETE BRIDGE DECKS WITH HMWN	SY	297	10301	512	297	
PATCHING CONCRETE BRIDGE DECK - TYPE B	SY	6	12300	519	6	
MAI						
LAW ENFORCEMENT OFFICER WITH PATROL CAR	HOUR	300	11110	614	300	
ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	СҮ	10	13000	614	10	
PORTABLE CHANGEABLE MESSAGE SIGN, AS PER	SNMT	12	18601	614	12	
WORK ZONE LANE LINE CLASS III 6" 642 PAINT	MILE	0.17	20560	614	0 17	
WORK ZONE CENTER LINE, CLASS III, 642 PAINT	MILE	0.54	21550	614	0.54	
WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	MILE	1.28	22360	614	1.28	
MAINTAINING TRAFFIC		LS	11000	614	LS	
MOBILIZATION		LS	10000	624	LS	

DESCRIPTION	SEE SHEET NO.	
R (SFN 6002439 OR MUS-70-0299R)		
RESIN, AS PER PLAN	6	
ABUTMENTS)	6	
LABLE MORTAR, AS PER PLAN	6	
IR (SFN 6002463 OR MUS-70-0460) RESIN, AS PER PLAN	6	
LABLE MORTAR AS PER PLAN	6	
	0	
IR (SFN 6001777 OR MUS-60-1401) RESIN AS PER PLAN PIER CAPS)	6 6	3
		≿
K (SFN 6006469 OK IVIUS-666-0266)		
RESIN, AS PER PLAN	6	7WWr
R (SFN 6006582 OR MUS-666-0571)		ר S
RESIN AS DER DIAN	6	
RESIN, AS FER FLAN	0	A A
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ITENANCE OF TRAFFIC		Щ
FOR ASSISTANCE		U
PLAN	9	
INCIDENTALS		
		DESIGN AGENCY
		DESIGNER
		MHK REVIEWER
		JKS 02/20/25 PROJECT ID 122661
		P.12 101AL

												BRIDGE					PA	VEMENT	MARKIN	IGS	
											512 516						614			642	
			PROJECI		NS					TE BRIDGE	AWM, AS	NCRETE < WITH RESIN	k, AS PER	BRIDGE	•	, CLASS III,	NE, CLASS	, CLASS III,	_		
			~			BRIDG	E DECK	APPROA	CH SLABS	CONCRE	/ITH HN PER PLA	ING COI SE DECK ITY FED	SEALEF			NE LINE 2 PAINT	NTER LI 2 PAINT	GE LINE 2 PAINT	LINE, 6'	LINE, 6'	ERLINE
OCATION	COUNTY	ROUTE	DGE NUMBE	SFN	FEATURES INTERSECTED	LENGTH	WIDTH	LENGTH	WIDTH	SEALING C	DECKS W	TREATI BRIDG GRAV	DEEP JOINT PI			3K ZONE LAI 6", 64	RK ZONE CE III, 643	K ZONE ED 6", 64	EDGE	LANE	CENT
			BRIC							BRIDGE DECK	APPROACH SLAB	SIDEWALKS	5	} ₹		MOI	0M	NON			
						FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	FT	AREA %	SQ YD	MILE	MILE	MILE	MILE	MILE	MILE
1	FAI	SR 158	8.87	2301717	LITTLE WALNUT CREEK	135	36	25	36	540	200			2%	15		0.04	0.07	0.07		0.04
2	KNO	US 62	14.28	4202104	KOKOSING RIVER	328.54	32	25	33	1168	183			2%	27		0.07	0.14	0.14		0.07
3	KNO	US 62	17.32	4202198	TRIB OF E BR OF JELLOWAY CREEK	33.5	30			112				5%	6		0.01	0.01	0.01		0.01
4	KNO	US 62	17.80	4202236	E BR OF JELLOWAY CREEK	54.52	36	20	36	218	160	131		5%	25		0.02				0.02
⁵ 5	KNO	US 62	18.82	4202260	E BR OF JELLOWAY CREEK	79.5	40			353				2%	7		0.02	0.03	0.03		0.02
6	KNO	US 62	21.92	4202317	MOHICAN RIVER	372.5	33.33	25	33.33	1380	185		67	3 2%	31		0.08	0.16	0.16		0.08
7	LIC	SR 13	13.77	4500245	DRY CREEK	148	40	20	40	658	178			3 2%	17		0.04	0.07	0.07		0.04
8	LIC	SR 13	14.77	4500369	CLEAR FORK LICKING RIVER	131	40.5	25	40.5	590	225			3 2%	16		0.03	0.07	0.07		0.03
10	LIC	SR 13	18.28	4500032	N FORK LICKING RIVER	184	44	25	44.33	900	246			3 2%	23		0.04	0.09	0.09		0.04
11	LIC	SR 13	20.31	4500482	LAKE FORK LICKING RIVER	125.7	44	25	44	615	244		88	2%	17		0.03	0.07	0.07		0.03
12	LIC	SR 13	22.20	4500520	N FORK LICKING RIVER	210.5	36	25	36	842	200			10%	\$ 104		0.05	0.10	0.10		0.05
14	MUS	IR 70	1.98L	6002315	KENT RUN	199.81	40			888				2%	18	0.04		0.08	0.08	0.04	
15	MUS	IR 70	1.98R	6002374	KENT RUN	199.81	40			888				2%	18	0.04		0.08	0.08	0.04	
16	MUS	IR 70	2.99L	6002404	CR28 (S HOPEWELL RD)	141.12	40			627				2%	13	0.03		0.05	0.05	0.03	
17	MUS	IR 70	2.99R	6002439	CR28 (S HOPEWELL RD)	121.62	40			541				2%	11	0.02		0.05	0.05	0.02	
18	MUS	IR 70	4.60	6002463	CR34 (RIDGE RD)	285.88	26.67			847				2%	17		0.05	0.11	0.11		0.05
9 19	MUS	SR 60	14.01	6001777	FLAT RUN	112.17	72			897			144	5%	45	0.04	0.02	0.04	0.04	0.04	0.02
20	MUS	SR 666	2.66	6006469	DITCH	39.5	30	25	30	132	167			2%	6		0.02	0.03	0.03		0.02
21	MUS	SR 666	5.71	6006582	BLOUNT RUN	53.5	32	15	32	190	107			2%	6		0.02	0.03	0.03		0.02
I								SUB-1	ΓΟΤΑΙ	12386	2095	131	299		Ì Ì	0.17	0.54	1.28	1.28	0.17	0.54
								ТО	TAL	14	481			<u> </u>	<u>, </u>						

/2025 TIME: its\01 Active F DATE: 2\Docun : 34x22 (in.) ohiodot-pw-0; Sheet PAF odot-pw.ben

D05 FY2026 BRIDGE REHAB WEST

DECK SEALING CALCULATIONS

DESIGN AGENCY





FY2026 BRIDGE REHAB

DO5 FY2026 BRIDGE REHAB WEST MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/8/2025 TIME: 1:20:06 PM USER: ml pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Distric

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LEFT SIDE OVER

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (DECK EDGE)														
IPTION # L W T C.F. CU														
OVER PIER 3	1	x	10	x	1		x	1.3333	÷	27	=	0.5		
\bigcirc		x		х			x		÷	27	=			
	_			-	7		ARR	IED TO GEN	ERAL SI	JMMAF	RY =	1		
ITEM	ITEM 511 - CLASS QC2 CONCRETE MISC: ACCELERATING ADMIXTURE													
	#		L		١	N		т		C.F.		CU YD		
	1	x	10	x	1		x	1.3333	÷	27	=	0.5		
		x		x			x		÷	27	=			
TOTAL CARRIED TO GENERAL SUMMARY =														

CALCULATIONS BRIDGE NO. KNO-62-2192 S.R. 62 OVER MOHICAN RIVER	
SFN 4202317 DESIGN AGENCY	
DESIGNER MHKCHECKER TAGREVIEWER JKS 02/20/25PROJECT ID 122/61SUBSETTOTAL 32SHEETTOTAL 46	



D05 FY2026 BRIDGE REHAB WEST

PAPERSIZE: 34x22 (in.) DATE: 5/8/2025 TIME: 1:20:21 PM USER: ow.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Dist MODEL: Sheet | ^^^^

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ITEI	M 530 - SPE		- STRUC	TURES: CLI	EANING OF B	RIDGE JC	DINTS				
ION	#								C.F.		EACH
RWARD	2	x		x		х		÷	1	=	2.0
		x		x		х		÷	1	=	
	•			-	TOTAI	CARRIE	D TO GENER	AL SU	JMMAR	RY =	2
ITE	M 530 - SP	ECIAL	- STRUC	TURES: CL	EANING OF E	BRIDGE S	EATS				
ION	#								C.F.		EACH
RWARD	2	x		x		x		÷	1	=	2.0
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	-			8	ΤΟΤΛΙ			\ C		v _	2

CALCULATIONS PDIDGE NO LIC 12 1 777	S.R. 13 OVER CLEAR FORK RUN	
SFN 4500 DESIGN AG DESIGNER DESIGNER MHK REVIE JKS 02 PROJECT ID	D369 ENCY CHECKER TAG EWER 2/20/25	
SUBSET 7 SHEET P.21	TOTAL 32 TOTAL 46	







ITEM 2	02 - PORTION	IS OF	STRUCTURE	REMO	VED, A	AS PER P	LAN	(DECK EE	DGE)				
DESCRIPTION	#		L			W		т			C.F.		CU YD
LEFT SIDE SPAN 2	1	х	4	x	2		x	1.3333		÷	27	=	0.4
		x		x			x			÷	27	=	
			i			TOTAL C	Arr	IED TO G	ENERA	L Sl	JMMAF	RY =	1
	ITEM 202 - F	REMO	VAL MISC: BF	RIDGE	RAILIN	IG COM	PON	ENTS					
DESCRIPTION	#										C.F.		LUMP
RAILING POST	1	x		x			x			÷	1	=	1.0
TUBULAR BACKUP SECTION	1	x		x			x			÷	1	=	1.0
GUARDRAIL SECTION	3	x		x			x			•	1	=	3.0
		x		x			x			•	1	=	
		-		-		TOTAL C	ARR	IED TO G	ENERA	L SI	JMMAF	RY =	LS
ITE	M 511 - CLAS	s QC2	2 CONCRETE N	MISC:	ACCEL	ERATING	G AD	MIXTURE	Ξ				
DESCRIPTION	#		L			W		т			C.F.		CU YD
LEFT SIDE SPAN 2	1	x	4	x	2		x	1.3333		÷	27	=	0.4
		x		x			x			÷	27	=	
						TOTAL C	ARR	IED TO G	ENERA	L SI	JMMAF	RY =	1

DESCRIPTION	#		L				C.F.		FT
LEFT SIDE SPAN 2	4	х	25	x	x	÷	1	=	100.0
	uu	x		x	x	÷	1	=	
	-		-		TOTAL CARRIED TO	GENERAL SU	JMMA	RY =	(100.0)
	ITEM	517 -	RAILING M	IISC: DBR POST	ASSEMBLY				
DESCRIPTION	ITEM #	517 -	RAILING M	IISC: DBR POST	ASSEMBLY		C.F.		EACH
DESCRIPTION LEFT SIDE SPAN 2	ITEM # 1	517 - x	RAILING M	IISC: DBR POST	ASSEMBLY		C.F. 1		EACH 1.0
DESCRIPTION LEFT SIDE SPAN 2	ITEM # 1	517 - X X	RAILING M	IISC: DBR POST	ASSEMBLY X X X		C.F. 1		EACH 1.0

DESCRIPTION	#		L				C.F.		FT
LEFT SIDE SPAN 2	4	х	25	x	x	•••	1	=	100.0
	lui	x		x	x	÷	1	=	
		9	•	• •	TOTAL CARRIED TO	GENERAL SU	JMMAI	RY =	(100.0)
	ITEM	517 -	RAILING M	1ISC: DBR POST	ASSEMBLY				
DESCRIPTION	ITEM #	517 -	RAILING M	1ISC: DBR POST	ASSEMBLY		C.F.		EACH
DESCRIPTION LEFT SIDE SPAN 2	ITEM # 1	517 -	RAILING M	1ISC: DBR POST	ASSEMBLY	÷	C.F. 1		EACH 1.0
DESCRIPTION LEFT SIDE SPAN 2	ITEM # 1	517 - x x	RAILING M	1ISC: DBR POST	ASSEMBLY X X X	÷	C.F. 1	=	EACH 1.0

CALCULATIONS	BRIDGE NO. LIC-13-2220	S.R. 13 OVER NORTH FORK LICKING RIVER
DEN 45	50052	20 ~y
DESIGN MHI JKS PROJECC 1 SUBSET 14 SHEET	EVIEWE 02/2 T ID 2266 TO	HECKER TAG 20/25 1 TAL 32



PAR	APET LENGTH = 1	.79'-6 ¹ ⁄2"±			
 24	SPA. @ 6'-3"± = :	156'-3"±		-	1.
VERTICAL BARS	(TO REMAIN) SPA	. @ 1'-6"± = 1	78'-6"±		

5– ITEM 511 - CLASS Q

(18)– ITEM 630 - REMOVA

	RAILING DETAILS BRIDGE NO. LIC-16-1968 S.R. 16 OVER 21ST STREET
QC2 CONCRETE, BRIDGE DECK (PARAPET) YAL OF STRUCTURE MOUNTED SIGN AND REERECTION, AS PER PLAN	SFN 4503481 DESIGN AGENCY DESIGNER MHK CHECKER TAG REVIEWER JKS 02/20/25 PROJECT ID 122661 SUBSET_TOTAL







	DIER PATCHING DETAILS	BRIDGE NUS. MUS-70-0138 L&R I-70 OVER KENT RUN	
	DESIGN AC	2315 GENCY	
AS PER PLAN (PIER STEMS)	DESIGNER MHK	CHECKER TAG	
	REVI JKS 0 PROJECT II 122	2/20/25 2661	
	SUBSET 21 SHEET	TOTAL 32 TOTAL	
	P.35	46	

ITEM 519 - PATCHING CONCRETE STRUCTURES, A

	ITEM 2	202 -	REMOVAL MI	SC: BE	AM SEAT DEB	RIS					
DESCRIPTION	#					Т			C.F.	Π	LUM
REAR BEAM SEAT	1	x		x		x		÷	1	=	1.0
		x		x		x		÷	1	=	
	•	•			TOTAL	CARR	IED TO GENERA	L SI	JMMAI	RY =	LS
ITEM 513 - STRUG	CTURAL STEEL N	1ISC:	REPAIR OF DA	MAG	ED SECONDA	RY MI	EMBER, FILLET \	NEL	DING		
DESCRIPTION	#		L						C.F.		FT
FORWARD BAY 3	2	x	0.8333	x		x		÷	1	=	1.7
		x		x		x		÷	1	=	
		\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\sim	TOTAL	CARR	IED TO GENERA	L SI	JMMAI	RY =	2
	A519-PATCHIN		ONCRETE STRU	KTU	RE, AS PER PLA		ER'STEMS)				<u> </u>
DESCRIPTION	#		W		н				C.F.		SQ F
PIER 2 REAR FACE	1	x	8	x	2	x		÷	1	=	16.0
		x		x		x		÷	1	=	
									ΙΝΛΝΛΔΙ	λ Υ =	16.0
					TOTAL	CARR	IED TO GENERA	AL SU			
			_		TOTAL	CARR	IED TO GENERA	AL SU			
ITEM	843 - PATCHING		NCRETE STRUG		TOTAL	CARR	BLE MORTAR	IL SU			
ITEM DESCRIPTION	843 - PATCHING %		NCRETE STRUC		TOTAL		BLE MORTAR		C.F.		SQ F
ITEM DESCRIPTION RIGHT RAILING FACE	843 - PATCHING % 10%		NCRETE STRUC L 199.83		TOTAL S WITH TROV AREA 4.25	CARR /ELAE	BLE MORTAR	÷	C.F. 1		SQ F 84.9
ITEM DESCRIPTION RIGHT RAILING FACE	843 - PATCHING % 10%		NCRETE STRUC L 199.83		TOTAL OF CONTROL OF CO	CARR /ELAE		÷	C.F. 1		SQ F 84.9

DO5 FY2026 BRIDGE REHAB WEST MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/8/2025 TIME: 1:21:45 PM USER: ml pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Distric

<u>MUS-70-0198R - SFN 6002374</u>

		02										
		1	T		AIVI JEA		13		_		<u>г</u>	
DESCRIPTION	#									C.F.		LUMP
REAR BEAM SEAT	1	x		x			х		÷	1	=	1.0
		x		x			х		÷	1	=	
	TOTAL CARRIED TO GENERAL SUMMARY =											LS
				YYY				*****				<u></u>
	M 519 - PATCHIN	G CC	ONCRETE STRU	JCTU	RE, AS PE	ER PLAN	I (PI	ER STEMS)				
DESCRIPTION	#	Τ	w		н	1				C.F.		SQ FT
PIER 2 FORWARD FACE	1	x	1	x	4		х		÷	1	=	4.0
		x		x			х		÷	1	=	
	I		J I		T(OTAL CA	١RR	IED TO GENERAL	SU	JMMAR	XY =	4.0
	1 843 - PATCHING		NCRETE STRUC	CTURE	S WITH	TROWE	LAE	LE MORTAR				
DESCRIPTION	%		L		PER	IM.				C.F.		SQ FT
RIGHT RAILING FACE	10%	×	199.83	x	4.25		х		÷	1	=	84.9
		x		x			х		÷	1	=	
		2	8		 T(OTAL CA	٩RR	IED TO GENERAL	SU	JMMAR	RY =	85.0

ITEM 202 - REMOVAL MISC: BEAM SEAT DEBRIS												
DESCRIPTION		#								C.F.		LUMP
REAR BEAM SEAT		1	x		x		х		• •	1	=	1.0
			x		x		x		÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =												LS
	<u></u>			· · · · · · · · ·		· · · · · · · · · · ·						
ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER STEMS)												
DESCRIPTION		#		W		н				C.F.		SQ FT
PIER 2 FORWARD FACE		1	x	1	x	4	х		• •	1	=	4.0
			x		x		х		• •	1	=	
	TOTAL CARRIED TO GENERAL SUMMARY =											4.0
ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR												
DESCRIPTION		%		L		PERIM.				C.F.		SQ FT
RIGHT RAILING FACE		10%	x	199.83	x	4.25	х		•	1	=	84.9
			x		x		x		÷	1	=	
	TOTAL CARRIED TO GENERAL SUMMARY =											85.0

Removed emseal items

CALCULATIONS BRIDGE NOS. MUS-70-0198 L&R I-70 OVER KENT RUN SFN 6002315 DESIGN AGENCY DESIGNER
MHKCHECKER
TAGREVIEWER
JKS 02/20/25PROJECT ID
122SUBSETTOTAL
32SHEETTOTAL
46











2'-0"±



