FOR LOCATION MAPS AND DESIGN DESIGNATIONS SEE LOCATION MAP SHEETS

LOCATION MAP

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE



PLAN PREPARED BY: OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 5

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		S	TANDARD	CONSTRUCTI	ON DRAW	VINGS		MENTAL CATION	SPECIAL PROVISIONS		
BP-3.1	1/19/24	MT-99.30	1/17/20				800-2023	1/17/25	ASBESTOS	72	
BP-9.1	1/18/19	MT-101.70	7/19/24				808	7/19/24	SURVEY		
		MT-101.75	7/21/23				832	7/19/14	REPORT	13	I.
MGS-1.1	1/17/25	MT-102.10	7/21/23				843	1/19/24	05-01-2025	5	ENGINEEI
MGS-2.1	1/17/25	MT-102.20	4/19/19				908	1/17/2	uuu	\mathbf{J}	
MGS-3.1	1/19/18	MT-102.30	10/16/15							Υ	
MGS-3.2	1/18/13	MT-104.10	1/19/24								
MGS-6.1	1/19/18	MT-105.10	1/17/20								N'ATE O
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PCB-91	7/17/20	TC-61.30	7/19/24								STEPH
SBR-3-20	7/19/24	TC-65.10	1/17/14								F-830
		TC-65.11	1/17/25								
MT-95.30	7/19/19										JOCEL STEPH E-839 SS/ONA
MT-95.45	7/21/23										· · · · · · · · · · · · · · · · · · ·
MT-95.50	7/21/17										
MT-97.10	4/19/19										

FY2026 BRIDGE REHAB EAST D05

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D05 FY2026 BRIDGE REHAB EAST

COSHOCTON, GUERNSEY, AND MUSKINGUM COUNTIES

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PROJE

ESTIMA NOTIC

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.

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REHABILITATION OF BRIDGES PRIOR TO RESURFACING: DECK PATCHING, DECK SEALING, VARIOUS SUBSTRUCTURE AND SUPERSTRUCTURE REPAIRS, SPOT PAINTING, AND BRIDGE CLEANING

EARTH DISTURBED AREAS

ECT EARTH DISTURBED AREA:	N/A ACRES
ATED CONTRACTOR EARTH DISTURBED AREA:	N/A ACRES
CE OF INTENT EARTH DISTURBED AREA:	N/A ACRES

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.

Sturgeon

Jason L. Sturgeon, P.E District 05 Deputy Director

Pamela Boratyn Director, Department of Transportation



SHEET TITLE

ESIGN AGENCY



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 \cdots

VILLAGE OF NEW CONCORD CONTACT

BRIDGE NO. MUS-83-1.38 IS LOCATED IN THE VILLAGE OF NEW CONCORD. CONTACT THE VILLAGE AT (740) 826-7671 OR INFO@NEWCONCORD-OH.GOV IF NECESSARY.

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.

CONTRACTOR COORDINATION

THE CONTRACTOR FOR THIS PROJECT SHALL COORDINATE WITH THE CONTRACTOR FOR RESURFACING PROJECT GUE-70-9.43 (PID 101012, **PROJECT NUMBER 240578)**. THAT PROJECT IS ANTICIPATED TO AFFECT MAINTENANCE OF TRAFFIC FOR WORK ON BRIDGES GUE-70-12.75 L&R.

LOCATION OF GUARDRAIL

THE LOCATION OF THE GUARDRAIL RUNS AS SHOWN IN THE PLANS ARE SUBJECT TO ADJUSTMENTS PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM **PROTECTION FOR TRAFFIC.**

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.

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.

OEPA NOTIFICATION OF DEMOLITION AND RENOVATION

AN ASBESTOS SURVEY FOR THE BRIDGE SCHEDULED FOR DEMOLITION WORK WAS CONDUCTED BY A CERTIFIED ASBESTOS HAZARD EVALUA-TION SPECIALIST. A COPY OF THE ASBESTOS SURVEY REPORT FOR THE BRIDGE HAS BEEN INCLUDED IN THE PLAN PACKAGE FOR THIS PROJECT. THE ASBESTOS SURVEY REPORT DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS. A COPY OF THE OHIO ENVIRON-MENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED BY THE ASBESTOS HAZARD EVALUATION SPECIALIST, HAS BEEN INCLUDED AT THE END OF THE ASBESTOS SURVEY REPORT. THE CONTRACTOR SHALL COMPLETE NECESSARY SECTIONS OF THE FORM AND SUBMIT IT WITH A COPY OF THE ASBESTOS SURVEY REPORT AND APPLICABLE NOTIFICATION FEE TO:

ASBESTOS PROGRAM OHIO EPA, DAPC *PO BOX 1049* COLUMBUS OH 43216-1049

OR ONLINE AT THE OHIO EPA'S WEBSITE

AT LEAST 10 WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION WORK.

BASIS FOR PAYMENT: THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR. AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENTS FOR THIS WORK SHALL BE INCI-DENTAL TO THE ITEM 202 STRUCTURE REMOVAL ITEM(S) IN THE PLAN. A MINIMUM NESHAP NOTIFICATION FEE OF \$75.00 WILL BE REQUIRED.

ITEM 659 SEEDING AND MULCHING, CLASS 2

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - SEEDING AND MU ITEM 659 - COMMERCIAL FEI ITEM 659 - LIME ITEM 659 - WATER

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUC-TION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 209 RESHAPING UNDER GUARDRAIL

ITEM 209 RESHAPING UNDER GUARDRAIL INCLUDES RESHAPING UNDER BOTH EXISTING AND PROPOSED GUARDRAIL AT BRIDGES GUE-70-12.75 L&R FROM STA. 395+00 TO STA. 398+00. A QUANTITY OF 2 STA. HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ULCHING, CLASS 2	1500 SQ. YD.
RTILIZER	0.21 TON
	0.32 ACRES
	8.1 M. GAL.

ITEM 209 BORROW

10 CY OF ITEM 209 BORROW IS CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE OF CONSTRUCTING ITEM 209 RESHAPING UNDER GUARDRAIL.

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. SEE MOT NOTES AND BRIDGE DETAILS FOR ESTIMATED QUANTITIES.

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

THIS ITEM SHALL BE USED TO REPLACE THE WEARING COURSE AND FILL IN RUMBLE STRIPS FOR MAINTAINING TRAFFIC AT BRIDGES GUE-70-12.75 L&R. SEE MOT NOTES AND BRIDGE DETAIL SHEETS FOR ESTIMATED QUANTITIES.

DESIGN DATA

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 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 THE FOLLOWING STANDARD BRIDGE DRAWINGS: PCB-91 DATED: 07-17-20 SBR-3-20 DATED: 07-19-24

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.

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

THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PREP THE ABUTMENTS OF BRIDGE NO. GUE-77-1548L FOR PROPOSED CONCRETE WORK (REMOVAL OF AGGREGATE SLOPE PROTECTION, LOOSE CONCRETE ON ABUTMENT FACES, ETC). CONCRETE SHALL BE REMOVED USING HAND TOOLS AND THE REMAINING CONCRETE SURFACE SHALL BE AIR BLASTED CLEAN TO REMOVE ANY LOOSE MATERIAL. INSPECTION OF THE REMOVALS BY THE ENGINEER SHALL BE PERFORMED BEFORE PLACEMENT OF REINFORCEMENT, FORMS, OR CONCRETE. PAYMENT FOR THIS WORK WILL BE AT THE LUMP SUM CONTRACT BID PRICE FOR ITEM 202 -PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE). \cdots

ITEM 202 - REMOVAL, MISC.: CATTLE FENCE

THERE IS A CATTLE FENCE ATTACHED TO THE SUPERSTRUCTURE OF BRIDGE NO. MUS-83-11.34. CONTRACTOR SHALL SPEAK TO THE NEARBY PROPERTY OWNER AND REQUEST REMOVAL OF THE FENCE. IF THE OWNER DOES NOT REMOVE THE FENCE, THE CONTRACTOR SHALL DETACH THE FENCE FROM THE BRIDGE AS NEEDED TO PERFORM WORK. DO NOT ENTER THE STREAM TO REMOVE FENCE. REATTACHMENT AFTER COMPLETING THE WORK IS NOT REQUIRED. THE ENGINEER SHALL APPROVE THE REMOVAL PLAN OF CATTLE FENCE BEFORE REMOVAL TAKES PLACE.

THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO REMOVE THE CATTLE FENCE. PAYMENT FOR THIS WORK WILL BE AT THE LUMP SUM CONTRACT BID PRICE FOR ITEM 202 - REMOVAL, MISC.: CATTLE FENCE.

(PARAPET), AS PER PLAN THIS WORK CONSISTS OF CONSTRUCTING THE PROPOSED PARAPETS AND DECK EDGES AS SHOWN BELOW AND IN THE BRIDGE DETAILS.

THE DEPARTMENT WILL MEASURE QUANTITY ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITES AT THE CONTRACT PRICE BID FOR ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN.

1

THIS WORK CONSISTS OF THE REMOVAL OF THE PARAPET AND DECK EDGE AS SHOWN ON THIS SHEET AND THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOW-ING NOTES. PERFORM WORK CAREFULLY DURING PARAPET 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.

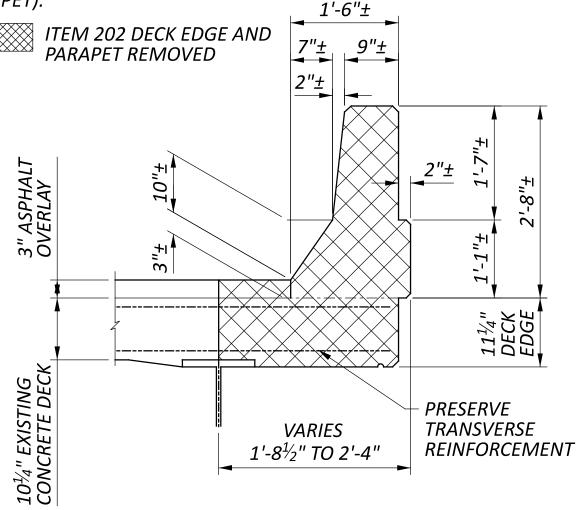


ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN

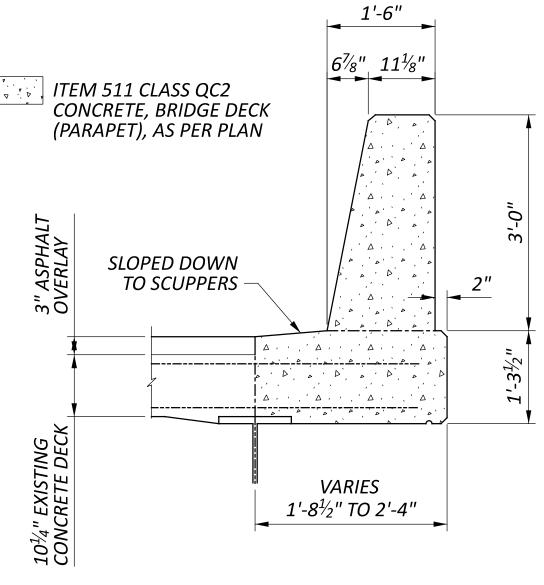
PRIOR TO DRILLING DOWEL HOLES, LOCATE ALL EXISTING REINFORCING STEEL BARS IN THE AREA OF THE HOLE WITH THE AID OF A REINFOR-CING STEEL BAR LOCATOR (PACHOMETER). IF AN EXISTING BAR IS ENCOUNTERED AT THE LOCATION OF A PROPOSED DOWEL HOLE, MOVE THE DOWEL HOLE TO EITHER SIDE OF THE EXISTING BAR. DRILL DOWEL HOLES WHERE SHOWN IN THE PLANS, EXCEPT AS NOTED ABOVE. INSTALL REINFORCING STEEL ACCORDING TO ITEM 510 USING NONSHRINK, NONMETALLIC GROUT, 705.20.

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

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 AND PARAPET).



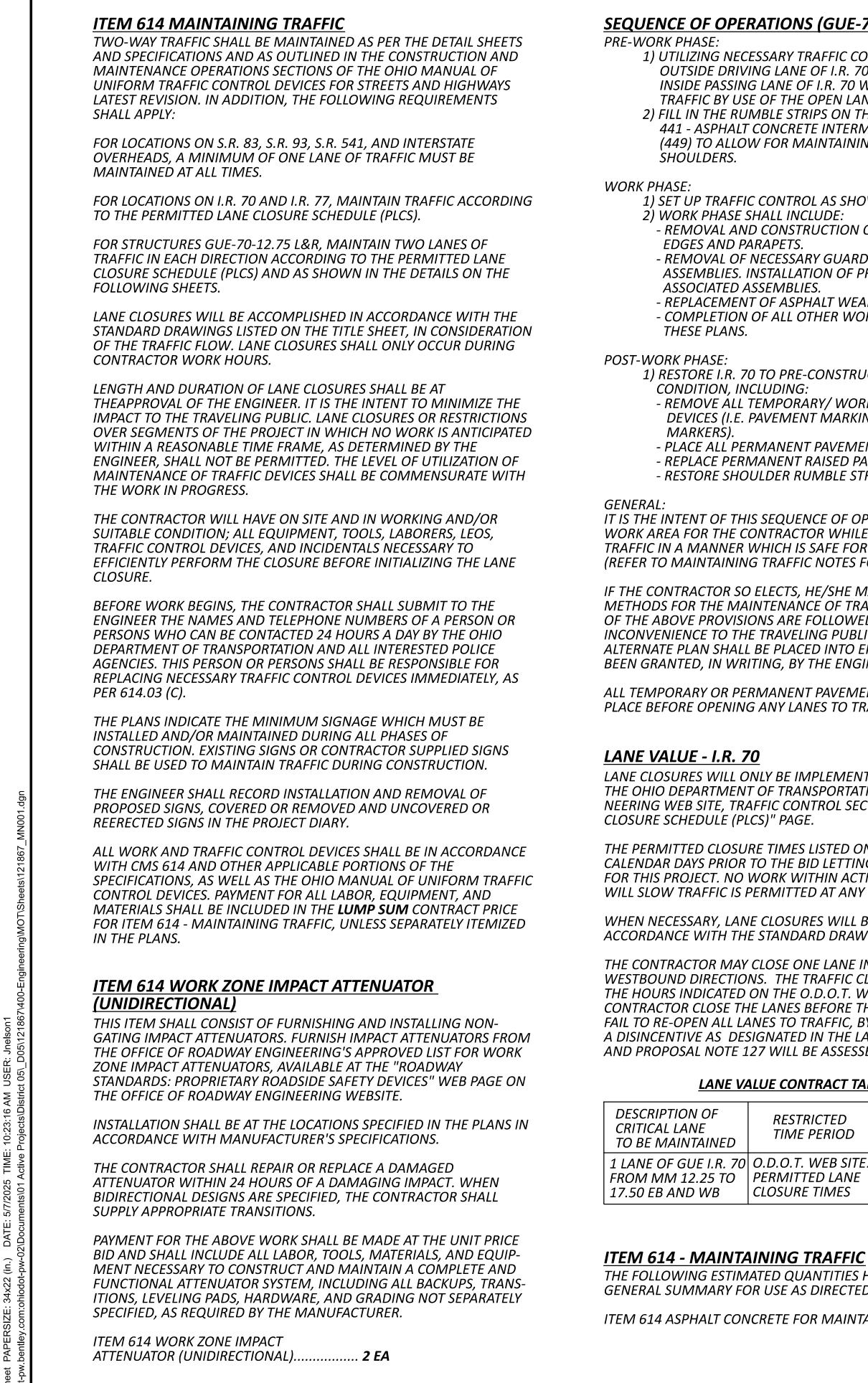
ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK



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ESIGN AGENCY





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SEQUENCE OF OPERATIONS (GUE-70-12.75 L&R):

1) UTILIZING NECESSARY TRAFFIC CONTROL DEVICES, CLOSE THE OUTSIDE DRIVING LANE OF I.R. 70 EASTBOUND AND THE INSIDE PASSING LANE OF I.R. 70 WESTBOUND AND MAINTAIN TRAFFIC BY USE OF THE OPEN LANES.

2) FILL IN THE RUMBLE STRIPS ON THE SHOULDERS WITH ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449) TO ALLOW FOR MAINTAINING TRAFFIC ON THE

1) SET UP TRAFFIC CONTROL AS SHOWN ON MOT SHEETS.

2) WORK PHASE SHALL INCLUDE: - REMOVAL AND CONSTRUCTION OF EXISTING LOW SIDE DECK

- REMOVAL OF NECESSARY GUARDRAIL AND BRIDGE TERMINAL ASSEMBLIES. INSTALLATION OF PROPOSED GUARDRAIL AND

- REPLACEMENT OF ASPHALT WEARING COURSE. - COMPLETION OF ALL OTHER WORK AS DESIGNATED IN

1) RESTORE I.R. 70 TO PRE-CONSTRUCTION OPERATING

- REMOVE ALL TEMPORARY/ WORK ZONE TRAFFIC CONTROL DEVICES (I.E. PAVEMENT MARKINGS, RAISED PAVEMENT

- PLACE ALL PERMANENT PAVEMENT MARKINGS. - REPLACE PERMANENT RAISED PAVEMENT MARKERS. - RESTORE SHOULDER RUMBLE STRIPS.

IT IS THE INTENT OF THIS SEQUENCE OF OPERATIONS TO PROVIDE A WORK AREA FOR THE CONTRACTOR WHILE ALSO MAINTAINING TRAFFIC IN A MANNER WHICH IS SAFE FOR THE TRAVELING PUBLIC. (REFER TO MAINTAINING TRAFFIC NOTES FOR RESTRICTIONS).

IF THE CONTRACTOR SO ELECTS, HE/SHE MAY SUBMIT ALTERNATIVE METHODS FOR THE MAINTENANCE OF TRAFFIC. PROVIDED THE INTENT OF THE ABOVE PROVISIONS ARE FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE ENGINEER.

ALL TEMPORARY OR PERMANENT PAVEMENT MARKINGS SHALL BE IN PLACE BEFORE OPENING ANY LANES TO TRAFFIC.

LANE CLOSURES WILL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S ROADWAY ENGI-NEERING WEB SITE, TRAFFIC CONTROL SECTION, "PERMITTED LANE

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, 14 CALENDAR DAYS PRIOR TO THE BID LETTING DATE, WILL BE IN EFFECT FOR THIS PROJECT. NO WORK WITHIN ACTIVE TRAVEL LANES OR WHICH WILL SLOW TRAFFIC IS PERMITTED AT ANY OTHER TIMES.

WHEN NECESSARY, LANE CLOSURES WILL BE ACCOMPLISHED IN ACCORDANCE WITH THE STANDARD DRAWINGS.

THE CONTRACTOR MAY CLOSE ONE LANE IN BOTH EASTBOUND AND WESTBOUND DIRECTIONS. THE TRAFFIC CLOSURES WILL BE BETWEEN THE HOURS INDICATED ON THE O.D.O.T. WEB SITE. SHOULD THE CONTRACTOR CLOSE THE LANES BEFORE THE ALLOWABLE TIME AND/OR FAIL TO RE-OPEN ALL LANES TO TRAFFIC. BY THE ALLOWABLE TIME. A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE AND PROPOSAL NOTE 127 WILL BE ASSESSED.

LANE VALUE CONTRACT TABLE - I.R. 70

	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
2	<i>O.D.O.T. WEB SITE: PERMITTED LANE CLOSURE TIMES</i>	EACH MINUTE	\$225

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

ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC**10 CY**

ITEM 614 - MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

EASTER MEMORIAL DAY FOURTH OF JULY LABOR DAY



THE PERIOD OF TIME THAT THE LANES ARE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF	TIME ALL LANES MUST
HOLIDAY	BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM TUESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING)	6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIRE-MENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$75 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ITEM 614 - WORK ZONE INCREASED PENALTIES SIGN

R11-H5a-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO THE TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CALENDAR DAYS, SUCH AS DURING WINTER SHUT-DOWNS.

THE SIGNS (R11-H5a-48) ON THE MAINLINE SHALL BE DUAL-MOUNTED. THE SIGNS SHALL BE PLACED BETWEEN THE "ROAD WORK AHEAD" SIGN (W20-1) AND THE NEXT SIGN IN THE SEQUENCE.

THE R11-H5a-48 SIGNS SHALL BE MOUNTED ON TWO NO. 3 POSTS WHEN LOCATED IN THE CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD. CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICA-TIONS. SIGN FACES SHALL BE REFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF CMS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINA-TION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT PRICE. PAYMENT SHALL BE FULL COMPEN-SATION FOR ALL MATERIALS, LABOR, INCIDENTALS, AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - WORK ZONE INCREASED PENALTIES SIGN**2 EA**

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIREC-TIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUC-TION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

(WZSZS USING DSL SPEED LIMIT ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.)

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME: SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGAR-DED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CON-DITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

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WORK ZONE SPEED ZONE (WZSZ) THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVI-SIONS HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WORK ZONE COUNTY-ROUTE-SECTION(S) DIRECTION(S) REVISION NUMBER(S) WZ-30798 GUE-70-12.49 TO 13.01 EB AND WB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRECON-STRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALI-FYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONAL-ITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW, AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

PRIGINAL POSTED		OSITIVE CTION	WITHOUT POSITIVE PROTECTION				
SPEED LIMIT	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT			
70	60	65	55	65			
65	55	60	50	60			
60	55	60	50	60			
55	50	55	45	55			

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 808 DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY...... 4 SNMT (ASSUMING 2 DSL SIGN ASSEMBLIES FOR 2 MONTHS)

REMOVAL OF EXISTING PORTABLE CONCRETE BARRIER

BRIDGE NO. GUE-70-1275L CURRENTLY HAS PORTABLE CONCRETE BARRIER BLOCKING OFF THE DAMAGED DECK EDGE. CONTRACTOR SHALL COORDINATE WITH ROADWAY SERVICES MANAGER DOUG RIFFLE (DOUGLAS.RIFFLE@DOT.OHIO.GOV OR 740-323-5270) FOR PICKUP BY ODOT CREWS OR DELIVERY TO THE GARAGE OF IN-PLACE PORTABLE BARRIER. THIS WORK IS INCLUDED FOR PAYMENT IN ITEM 614 -MAINTAINING TRAFFIC.

-

ESIGN AGENCY



DESIGN	ER							
	МНК							
REVIEWER								
JKS	02/14/25							
PROJEC	TID							
1	21867							
SHEET	TOTAL							
P.7	62							

		1			SH	EET NUM	BER	 	 	,	PART.	ITEM	ITEM	GRAND	UNIT	D
5	8	20	21	24	32	43	49				01/NFP/47		EXT	TOTAL		
											LS	201	11000	LS		CLEARING AND GRUBBING
						134	134				268	202	23500	268	SY	WEARING COURSE REMOVED
2 10											2 10	209 209	15000 70000	2 10	STA CY	RESHAPING UNDER GUARDRAIL BORROW
						50 1 1	25 1				75 2 1	606 606 606	15050 35002 35102	75 2 1	FT EACH EACH	GUARDRAIL, TYPE MGS MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2
																ERO
					89						89	601	20010	89	CY	CRUSHED AGGREGATE SLOPE PROTECTION
1,500											1,500	659	00510	1,500	SY	SEEDING AND MULCHING, CLASS 2
0.21											0.21 0.32	659 659	20000 31000	0.21	TON ACRE	COMMERCIAL FERTILIZER
8.1											8.1	659	35000	8.1	MGAL	WATER
											20,000	832	30000	20,000	EACH	EROSION CONTROL
	64					8	8				80	407	20000	80	GAL	NON-TRACKING TACK COAT
	23					11	11				45	441	70200	45	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1
	0.91										0.91	618	40600	0.91	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
	54										54	621	00100	54	EACH	RPM TRA
	54										54	621	54000	54	EACH	RAISED PAVEMENT MARKER REMOVED
											m			\sim		
	2.4	1.06									3.46	642	00104	3.46	MILE	EDGE LINE, 6", TYPE 1
	1.2	0.38								6	0.38	642 642	00204 00300	0.38	MILE	LANE LINE, 6", TYPE 1 CENTER LINE, TYPE 1
		654		~~~~~							654	512	10201	654		STRUCTURE REPAIR
		64									64	516	31011	64	FT	2" DEEP JOINT SEALER, AS PER PLAN PATSHING CONCRETE BRIDGE DECK TYPE P
			52								52	843	50001	52	SF	PATCHING CONCRETE STRUCTURES WITH TROWELAN
																STRUCTURE REPAIR (
		100									100	512	10301	100	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
				6							6	SPECIAL	51275500	6	SY	SEALING: LIQUID FLEXIBLE SEALANT
				60							60	516	31011	60	FT	2" DEEP JOINT SEALER, AS PER PLAN
			26							5	26	519	11101	26	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN (BO
		5	16								16	519 843	12300 50001	16	SY SF	PATCHING CONCRETE BRIDGE DECK - TYPE B PATCHING CONCRETE STRUCTURES WITH TROWELAR
																STRUCTURE REPAIR (
		421	11							┨	421 11	512 SPECIAL	10301 51911900	421 11	SY CY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE PATCHING CONCRETE STRUCTURE (FULL DEPTH BRID
		42	<u>+</u>								42	519	12300	42	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
																STRUCTURE REPAIR (
		632									632	512	10301	632	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
		32									32	519	12300	32	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
1		801									801	512	10301	801	SY	STRUCTURE REPAIR (S SEALING CONCRETE BRIDGE DECKS WITH HMWM RE

DESCRIPTION	SEE SHEET NO.	
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ROADWAY		
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ROSION CONTROL		
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R (SFN 1601768 OR COS-93-00.23)		
	6	2
ABLE MORTAR, AS PER PLAN	6	
R (SFN 1602578 OR COS-541-33.36)		
RESIN, AS PER PLAN	6 6	
	6	
BOX BEAM JOINTS)	6	
ABLE MORTAR. AS PER PLAN	6	
ABLE MORTAR, AS PER PLAN	6	
ABLE MORTAR, AS PER PLAN R (SFN 3006034 OR GUE-541-01.58)	6	
R (SFN 3006034 OR GUE-541-01.58) RESIN, AS PER PLAN	6	DESIGN AGENCY
R (SFN 3006034 OR GUE-541-01.58)		DESIGN AGENCY
R (SFN 3006034 OR GUE-541-01.58) RESIN, AS PER PLAN	6	DESIGN AGENCY
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R (SFN 3006034 OR GUE-541-01.58) RESIN, AS PER PLAN RIDGE DECK) R (SFN 3006069 OR GUE-541-03.72)	6 6	DESIGNER MHK
R (SFN 3006034 OR GUE-541-01.58) RESIN, AS PER PLAN RIDGE DECK) R (SFN 3006069 OR GUE-541-03.72) RESIN, AS PER PLAN R (SFN 3006158 OR GUE-541-07.46)	6 6 6	DESIGNER
R (SFN 3006034 OR GUE-541-01.58) RESIN, AS PER PLAN RIDGE DECK) R (SFN 3006069 OR GUE-541-03.72) RESIN, AS PER PLAN	6 6	DESIGNER MHK REVIEWER

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	01/NFF	P/47	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
 							STRUCTURE REPAIR (SFN 3006212 OR GUE-541-08.40)		
	1,04	41	512	10301	1,041	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN	6	
	76		SPECIAL	51900100	, 76	SF	COMPOSITE FIBER WRAP SYSTEM	6	
	52	2	519	12300	52	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B		
	19	•	843	50001	19	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR, AS PER PLAN	6	
							STRUCTURE REPAIR (SFN 3003329 OR GUE-77-15.48L)		
 	LS		202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)	5	
 	5,09		509	26000	5,098	LB	GALVANIZED STEEL REINFORCEMENT		
 	256		510 511	10001 71100	256 27	EACH CY	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN CONCRETE, MISC.: HIGH EARLY STRENGTH PUMPED SELF CONSOLIDATING CONCRETE	5	
	27	/	511	/1100	27	CI	CONCRETE, MISC HIGH EARLY STRENGTH FOMFED SELF CONSOLIDATING CONCRETE	0	
 							STRUCTURE REPAIR (SFN 3001024 OR GUE-70-6.55L)		
	300	0	SPECIAL	51275500	300	SY	SEALING: LIQUID FLEXIBLE SEALANT	6	
 			CDECIAL	E1375500	200	CV	STRUCTURE REPAIR (SFN 3001059 OR GUE-70-6.55R)	r r	
	300		SPECIAL	51275500	300	SY	SEALING: LIQUID FLEXIBLE SEALANT	6	5
 							STRUCTURE REPAIR (SFN 3001083 OR GUE-70-7.35)		SUMMARY
	151	1	SPECIAL	51900100	151	SF	COMPOSITE FIBER WRAP SYSTEM	6	
	38	3	843	50001	38	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR, AS PER PLAN	6	Σ
									SU
	2.00		F10	10201	2.004	CV	STRUCTURE REPAIR (SFN 3001474 OR GUE-70-12.32L)	6	T I
	2,66		512 519	10301 12300	2,664 53	SY SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN PATCHING CONCRETE BRIDGE DECK - TYPE B	6	R/
	55	,	515	12500	55	51			GENERAL
							STRUCTURE REPAIR (SFN 3001504 OR GUE-70-12.32R)		U U
 	2,66		512	10301	2,664	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN	6	
	53	3	519	12300	53	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B		
	30 1)	202 202	11301 47000	30 1	CY EACH	STRUCTURE REPAIR (SFN 3001539 OR GUE-70-12.75L) PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (DECK EDGE AND PARAPET) BRIDGE TERMINAL ASSEMBLY REMOVED	5	
	4,02	29	509	26000	4,029	LB	GALVANIZED STEEL REINFORCEMENT		
	2,178		509	30020	, 2,178.17	FT	NO. 4 DEFORMED GFRP REINFORCEMENT		
	39)	511	34449	39	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN	5	
 		-+							
		-+					STRUCTURE REPAIR (SFN 3001563 OR GUE-70-12.75R)		
	30	5	202	11301	30	СҮ	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (DECK EDGE AND PARAPET)	5	1
	1		202	47000	1	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		
 	4,02		509	26000	4,029		GALVANIZED STEEL REINFORCEMENT		
	2,178		509 511	30020 34449	2,178.17 39	FT CY	NO. 4 DEFORMED GFRP REINFORCEMENT CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN	5	
							STRUCTURE REPAIR (SFN 3001628 OR GUE-70-13.34)		
 	805	-	512	10301	805	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN	6	DESIGN AGENCY
 			514	27700	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	SF	FIELD PAINTING, MISC.: MAIN AND SECONDARY MEMBERS	6	
 		<u> </u>	516	31011		FT SY	2" DEEP JOINT SEALER, AS PER PLAN	6	
			519	12300	- 40	51	PATCHING CONCRETE BRIDGE DECK - TYPE B		
	2	T	SPECIAL	53000400	2	EACH	STRUCTURES: CLEANING OF BRIDGE JOINTS	51	
 	2	-+	SPECIAL	53000400	2	EACH	STRUCTURES: CLEANING OF BRIDGE SEATS	51	
 	18	5	SPECIAL	53000400	18	EACH	STRUCTURES: CLEANING OF DRAINAGE SYSTEMS	51	DESIGNER
							STRUCTURE REPAIR (SFN 3001687 OR GUE-70-16.56L)		REVIEWER JKS 02/14/25
 	439	9	514	27700	439	SF	FIELD PAINTING, MISC.: MAIN AND SECONDARY MEMBERS	6	PROJECT ID
 	226		519	11101	226	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIER COLUMNS)	6	121867
 		~	843	50001	User l	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR, AS PER PLAN	6	SHEET TOTAL P.18 62
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5	7	8	20	21	59	62							01/NFP/47		EXT	TOTAL		
				f	439								439	514	27700	439	SF	STRUCTURE REPAIR (S FIELD PAINTING, MISC.: MAIN AND SECONDARY MEN
				226		3							226	519	11101	226	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN (PIE
				usar	h									843	50001		SF	PATCHING CONCRETE STRUCTURES WITH TROWELAN
																		STRUCTURE REPAIR
			875										875	512	10301	875	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
			18										18	519	12300	18	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
																		STRUCTURE REPAIR (
			1,078										1,078	512	10301	1,078	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
			22										22	519	12300	22	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
			100										100	540	10001	100	01	STRUCTURE REPAIR (
			68	m	fun					\square	\square		68	516	31011	68	FT	2" DEEP JOINT SEALER, AS PER PLAN
			lizar	ļ	h	····	·····	·····	uu	h	····	\dots						PATCHNIC CONCRETE BRIDGE DECK TYPE B
																		STRUCTURE REPAIR (
			42										42	512	10301	42	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
			4										\sim		12300	m	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
			(\$							(80	843	50001		SF	PATCHING CONCRETE STRUCTURES WITH TROWELAN
		\sim	h															STRUCTURE REPAIR (
LJ													LJ	202				REMOVAL MISC.: CATTLE FENCE
			25										25	519	12300	25	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
				36									36	843	50001	36	SF	PATCHING CONCRETE STRUCTURES WITH TROWELAR
																		STRUCTURE REPAIR (
			52										52	512	10301	52	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RE
			5	52									5 52	519 843	12300 50001	5 52	SY SF	PATCHING CONCRETE BRIDGE DECK - TYPE B PATCHING CONCRETE STRUCTURES WITH TROWELAR
				52									52		50001	JZ		
						0							0		54275500			
				38		8							8 38	SPECIAL 519	51275500 11101	8	SY SF	SEALING LIQUID FLEXIBLE SEALANT PATCHING CONCRETE STRUCTURE, AS PER PLAN (BO
																		MAINTE
		500											500	614	11110	500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR
	2												2	614	12380	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZAF
	2	826											2 826	614 614	12484 12800	2 826	EACH EACH	WORK ZONE INCREASED PENALTIES SIGN WORK ZONE RAISED PAVEMENT MARKER
	10												10	614	13000	10	СҮ	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
		26											26	614	13310	26	EACH	BARRIER REFLECTOR, TYPE 1 (ONE WAY)
		3											3	614	13310	3	EACH	BARRIER REFLECTOR, TYPE 2 (ONE WAY)
		29											29	614	13350	29	EACH	OBJECT MARKER, ONE WAY
		12											12	614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLA
		5	0.16										0.16	614	20560	0.16	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT
		Ç	0.38										0.38	614	21550	0.38	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT
		2.4	1.06		\longrightarrow	${\longrightarrow}{\longrightarrow}{\rightarrow}$	${\longrightarrow}$	~~~~~	$\sim\sim\sim$		~~~~~	${\longrightarrow}{\longrightarrow}{\rightarrow}$	1.06	614	22360	1.06	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT
		6,320			μ		$\overline{\mathbf{u}}$		h	h	h		0,320	614	23000	0,320		WORK ZONE CHANNELIZING LINE, CLASS 1, 8
		384 336											384 336	622 622	41100 41110	384 336	FT FT	PORTABLE BARRIER, UNANCHORED PORTABLE BARRIER, ANCHORED
		550											550	022	41110	550		TORTABLE BARRIER, ANCHORED
	4												4	808	18700	4	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
•																		
															44000			
					-	-	1	I	I	1			LS	614	11000	LS	1	MAINTAINING TRAFFIC
													15	624	10000	15		
													LS	624	10000	LS		MOBILIZATION
													LS	624	10000	LS		
													LS	624	10000			

DESCRIPTION	SEE SHEET NO.	
R (SFN 3001717 OR GUE-70-16.56R) //EMBERS	6	
PIER COLUMNS)	6	
LABLE MORTAR, AS PER PLAN	6	
IR (SFN 3001741 OR GUE-70-17.30)		
RESIN, AS PER PLAN	6	
R (SFN 6003842 OR MUS-83-01.38) RESIN, AS PER PLAN	6	
R (SFN 6003885 OR MUS-83-07.16)		
	6	
	·····	
R (SFN 6003966 OR MUS-83-09.22) RESIN, AS PER PLAN	6	
LABLE MORTAR, AS PER PLAN	6	.RY 3
R (SEN 6004008 OR MUS-83-11 34)	5	GENERAL SUMMARY
RESIN, AS PER PLAN	uy.	
LABLE MORTAR, AS PER PLAN	6	N N
		(AL
R (SFN 6004024 OR MUS-83-11.67) RESIN, AS PER PLAN	6	NER
LABLE MORTAR, AS PER PLAN	6	GE
R (SFN 6004059 OR MUS-83-14.34)		
BOX BEAM JOINTS)	6 6	
ITENANCE OF TRAFFIC FOR ASSISTANCE		
ZARDS, (UNIDIRECTIONAL)		
PLAN	8	
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JJ		
		DESIGN AGENCY
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INCIDENTALS		DESIGNER
		МНК
		REVIEWER JKS 02/14/25
		PROJECT ID 121867
		SHEET TOTAL
		P.19 62

												BF	RIDGE						MARKIN	GS						
						NC							516	51	9		614			642						
				ROJECI	LOCATIO	NS		BRIDG			TE BRIDGE	E BRIDGE WM, AS		BRIDGE		CLASS III,	NE, CLASS	CLASS III,								
							BRIDG	E DECK	APPROAG	CH SLABS	ONCRE'	TH HM ER PLAI	NT SEA	CRETE	ГҮРЕ В	LANE LINE, 642 PAINT	TER LIN PAINT	E LINE, PAINT	NE, 6"	NE, 6"	RLINE					
	LOCALION	COUNTY	ROUTE	DGE NUMBER	SFN	FEATURES INTERSECTED	LENGTH	WIDTH	LENGTH	WIDTH	SEALING CC	DECKS WITH PER	2" DEEP JOI	ATCHING CON	DECK - 1	RK ZONE LAN 6", 642	RK ZONE CEN III, 642	RK ZONE EDGI 6", 642	EDGE LI	LANE LI	CENTE					
				BRII							BRIDGE DECK	APPROACH SLAB		74		OM	wo	MO								
							FEET	FEET	FEET	FEET	SQ YD	SQ YD	FEET	AREA %	SQ YD	MILE	MILE	MILE	MILE	MILE	MILE					
	1	COS	SR 93	0.23	1601768	WHITE EYES CREEK	134	32	25	32	476	178	64	5%	33		0.03	0.07	0.07		0.03					
	2	COS	SR 541	33.36	1602578	WILLS CREEK			15	30		100		100	100	100	100	60	5%	5		0.01	0.01	0.01		0.01
lißn:	3	GUE	SR 541	1.58	3006034	BIRDS RUN	118.52	32			421			10%	42		0.02	0.04	0.04		0.02					
	4	GUE	SR 541	3.72	3006069	WILLS CREEK	199.5	28.5			632			5%	32		0.04	0.08	0.08		0.04					
	5	GUE	SR 541	7.46	3006158	WILLS CREEK	275.5	26.17			801			5%	40		0.05	0.10	0.10		0.05					
	6	GUE	SR 541	8.40	3006212	IR 77	250.5	31	25	32	863	178		5%	52		0.06	0.11	0.11		0.06					
	11	GUE	IR 70	12.32L	3001474	SR 265	448.08	53.5			2664			2%	53	0.08		0.17	0.17	0.08						
1	L2	GUE	IR 70	12.32R	3001504	SR 265	448.08	53.5			2664			2%	53	0.08		0.17	0.17	0.08	hun					
1	15	GUE	IR 70	13.34	3001628	TR 55 (ARROWHEAD RD)	252	24	25	24	672	133	48	5%	40											
	18	GUE	IR 70	17.30	3001741	CR 73 (COUNTY HOME RD)	286.4	27.5			875			2%	18		0.05	0.11	0.11		0.05					
	19	MUS	SR 83	1.38	6003842	CUOH RR AND CROOKED CREEK	294.04	33			1078		m	2%	22		0.06	0.11	0.11		0.06					
	20	MUS	SR 83	7.16	6003885	TRIB OF WHITE EYES CREEK	22.5	34	15	34	85	113	68	10%	20		0.01	0.02	0.02		0.01					
	21	MUS	SR 83	9.22	6003966	BRANCH OF WHITE EYES CREEK	12.5	30.17			42			10%	4		0.01	0.01	0.01		0.01					
	22	MUS	SR 83	11.34	6004008	WHITE EYES CREEK	92	33.5	20	33.5	342	149		5%	25		0.03	0.05	0.05		0.03					
2	23	MUS	SR 83	11.67	6004024	BRANCH OF WHITE EYES CREEK	15.5	30.17			52			10%	5		0.01	0.01	0.01		0.01					
									SUB-T	OTAL	11667	851	240	44	3	0.16	0.38	1.06	1.06	0.16	0.38					
									TO	ΓAL	12	2518	لأستبنا						huni		ani					

Ω ш DA : 34x22 (in)

RSIZE ₹. Sheet dot-pw. MODEL:

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DESIGN AGENCY



	ICHING CONCRETE WITH TROWELABLE AS PER PLAN	- PATCHING URE (FULL DECK)	· PATCHING CRETE RE, AS PER AN	CON STRUCTU	NS	LOCATION	PROJECT			
PATCHING LO	PATCHING S WITH TR NR, AS PER	BOX BEAM JOINTS BOX BEAM JOINTS PIER COLUMNS TEM 519 - SPECIAL - CONCRETE STRUCTU DEPTH BRIDGE								
	ITEM 843 - PATO STRUCTURES W MORTAR, J			BOX BEAM	FEATURES INTERSECTED	SFN	BRIDGE NUMBER	ROUTE	COUNTY	OCATION
	SQ FT	CU YD	SQ FT	SQ FT			۲			Ľ
DECK EDGES AND DIAPHRAGM (EST. 10% OF DECK EDGE AND D	52				WHITE EYES CREEK	1601768	0.23	SR 93	COS	1
BOX BEAM T-JOINTS (SEE BRIDO BACKWALLS AT BEAM ENDS (EST. 4-2'X2	16			26	WILLS CREEK	1602578	33.36	SR 541	COS	2
AS NEEDED (EST. 5% C		11			BIRDS RUN	3006034	1.58	SR 541	GUE	3
PIER 3 COLUMN 2 (EST. 50% OF COMPOSITE FIBER	19				IR 77	3006212	8.40	SR 541	GUE	6
PIER 1 COLUMN 1 AND 3 (EST. 25% OF COMPOSITE FI	38				CR 346	3001083	7.35	IR 70	GUE	10
PIER COLUMNS AS NEEDED AT GROU DECK CORNERS (EST. 10' LENGTH AND 2' DEC	80		226		US 40/SR 285	3001687	16.56L	IR 70	GUE	16
PIER COLUMNS AS NEEDED AT GROU DECK CORNERS (EST. 10' LENGTH AND 2' DEC	80		226		US 40/SR 285	3001717	16.56R	IR 70	GUE	17
DECK EDGES (EST. 100%	80				BRANCH OF WHITE EYES CREEK	6003966	9.22	SR 83	MUS	21
DECK EDGES (EST. 20%	36				WHITE EYES CREEK	6004008	11.34	SR 83	MUS	22
DECK EDGES (EST. 50%	52				BRANCH OF WHITE EYES CREEK	6004024	11.67	SR 83	MUS	23
BOX BEAM T-JOINTS (SEE BR				38	WILLS CREEK	6004059	14.34	SR 83	MUS	24
	453	11	452		ΤΟΤΑΙ					

<22 (in.)

D05 FY2026 BRIDGE REHAB EAST

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PHRAGM CORNERS AS NEEDED E AND DIAPHRAGM FACE AREA)

E BRIDGE SHEETS FOR DETAILS) T. 4-2'X2' PATCHES ON BACKWALL FACES)

ST. 5% OF DECK AREA)

TE FIBER WRAP AREA SHOWN ON BRIDGE SHEETS)

OSITE FIBER WRAP AREA SHOWN ON BRIDGE SHEETS)

T GROUND LINE (SEE BRIDGE SHEETS) D 2' DECK EDGE THICKNESS AT ALL CORNERS)

T GROUND LINE (SEE BRIDGE SHEETS) D 2' DECK EDGE THICKNESS AT ALL CORNERS)

T. 100% OF DECK EDGE)

ST. 20% OF DECK EDGE)

ST. 50% OF DECK EDGE)

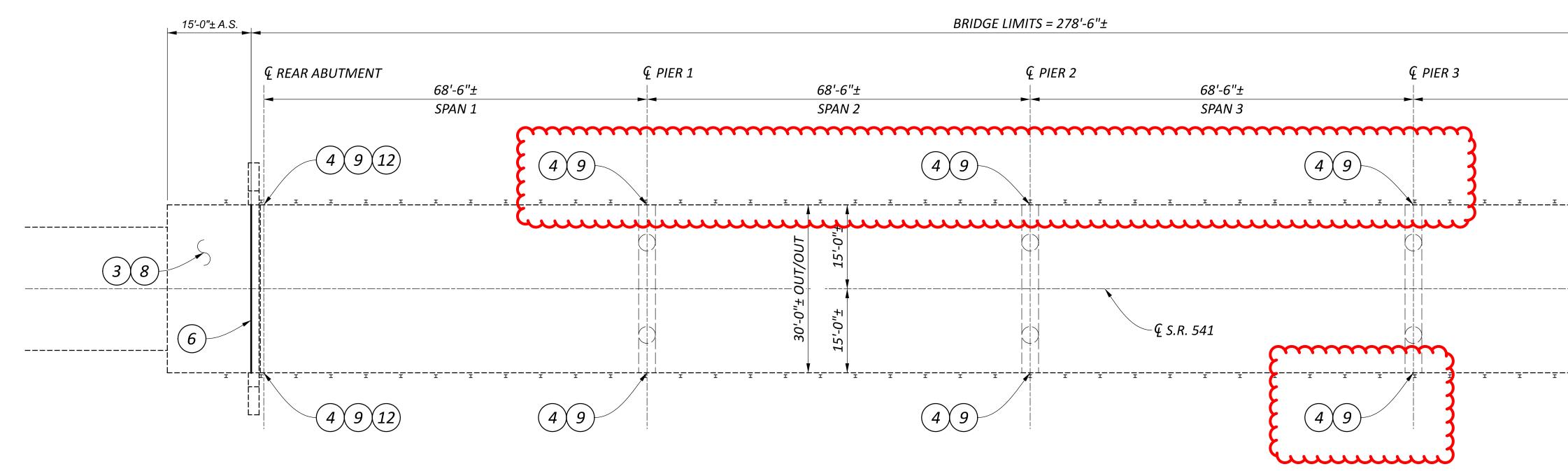
(SEE BRIDGE DETAIL SHEETS)

CONCRETE PATCHING DATA

DESIGN AGENCY



D05 FY2026 BRIDGE REHAB EAST



(3)- ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN

(4)- ITEM 512 - SPECIAL - SEALING: LIQUID FLEXIBLE SEALANT

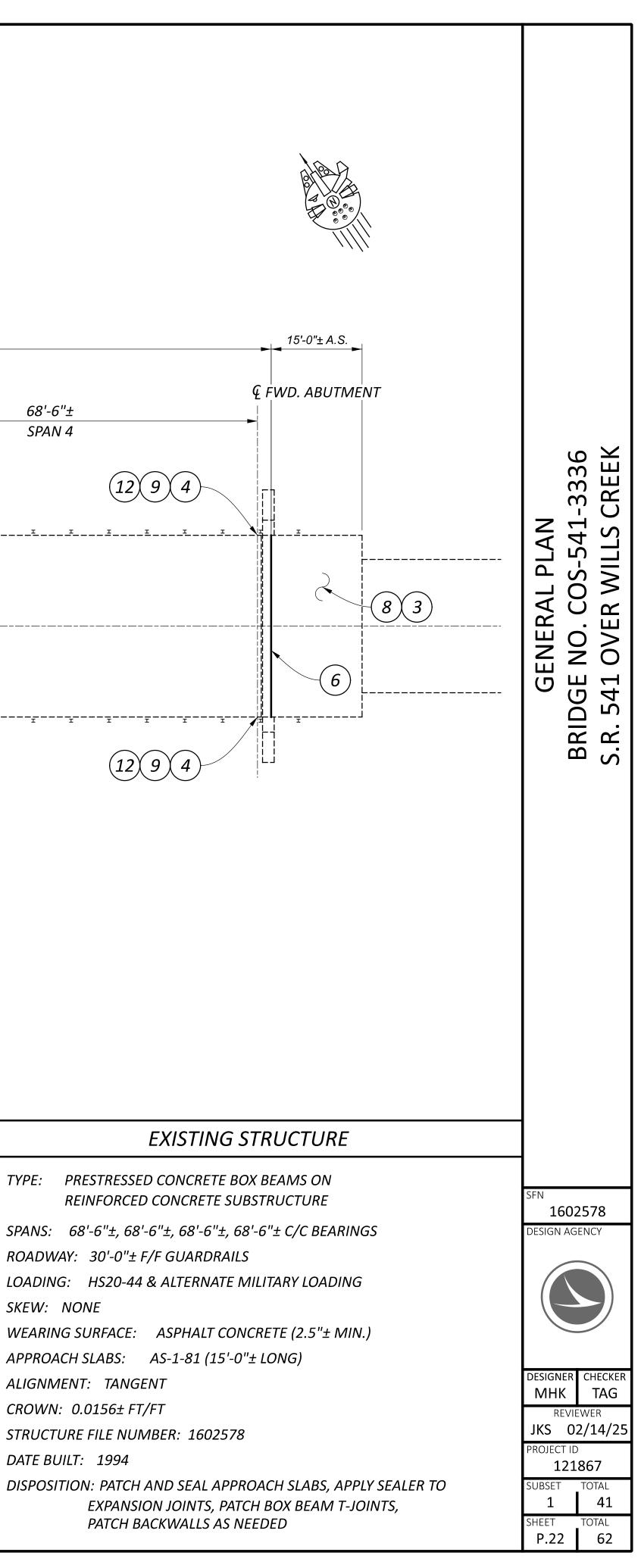
(6)- ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN

(8)- ITEM 519 - PATCHING BRIDGE DECKS, TYPE B

(9)- ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (BOX BEAM JOINTS)

(12)- ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

PLAN

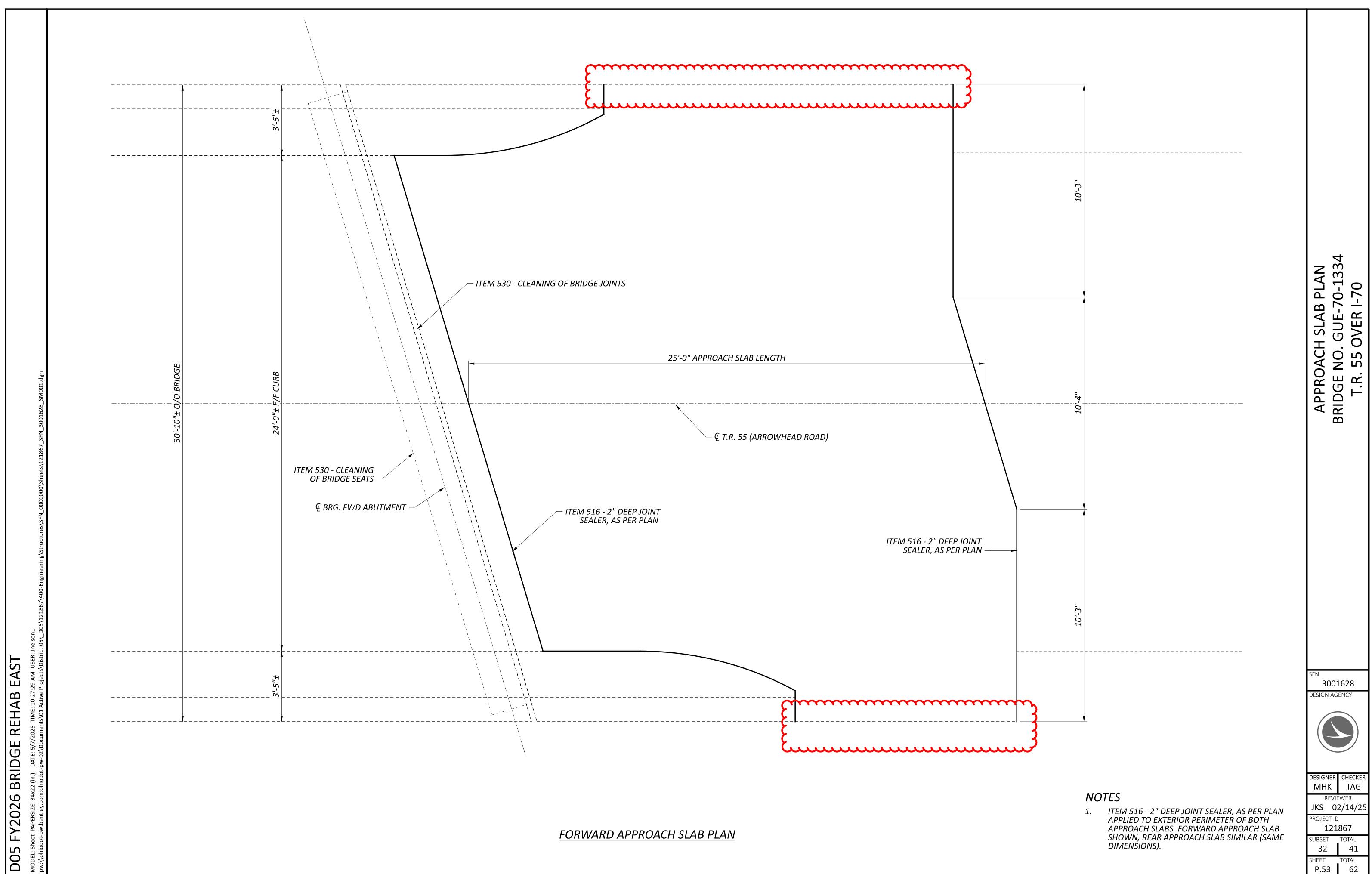


D05 FY2026 BRIDGE REHAB EAST

elsor 5 PAPERSIZE: 34x22 (in.) DATE: 5/7/2025 TIME: 10:25:03 AM USER: ww.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Distr eet MODEL: She

	ITEM 512	- SPI	ECIAL - SE	ALING:	LIQU	ID FLEXI	BLE SEAI	.AN1						
DESCRIPTION	DESCRIPTION # L H											C.F.		SQ YD
BEAM T-JOINTS AT PIERS	4	x	4		х	2.5		х			÷	9	=	4.4
ABUTMENT BEAM ENDS	2	x	2.0833		x	2.5		х			÷	9	=	1.2
		x			x			х			• •	9	=	
TOTAL CARRIED TO GENERAL SUMMARY =														
ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN														
	ITEN	1 516	- 2" DEE	P JOINT	SEAL	ER, AS P	ER PLAN							
DESCRIPTION	#		L	-								C.F.		FT
APPROACH SLAB/BACKWALL JOINT	2	x	30		x			х			÷	1	=	60.0
		x			x			х			÷	1	=	
TOTAL CARRIED TO GENERAL SUMMARY =													60	
								• •						
ITEM 51	9 - PATCHIN(NCRETE S	TRUCTL	JRE <i>, I</i>	AS PER P	LAN (BO	X BE	AM JOIN	ITS)				
DESCRIPTION	#		L	-		ŀ	1					C.F.		SQ FT
BEAM ENDS	4	x	1.5		x	1		х			÷	1	=	6.0
OVER PIERS (TOP OF T JOINT)	6	х	3		x	0.833		х			÷	1	=	15.0
OVER PIERS (BOTTOM OF T JOINT)	6	х	0.5		x	1.6667		х			÷	1	=	5.0
		x			x			х			÷	1	=	
														26
ITEM 843 PAT		CRET	E STRUC	TURES V	VITH	TROWEI	ABLE M	ORT	AR, AS PI	ER PLAN				
DESCRIPTION	#		L	-		ł	4					C.F.		SQ FT
BACKWALLS AT BEAM ENDS	4	x	2		x	2		х			•••	1	=	16.0
		x			x			х			÷	1	=	
								TO					⊳v _T	16

CALCULATIONS BRIDGE NO. COS-541-3336	S.R. 541 OVER WILLS CREEK
SHEET TOT	Y ECKER AG 4/25 7 AL 41



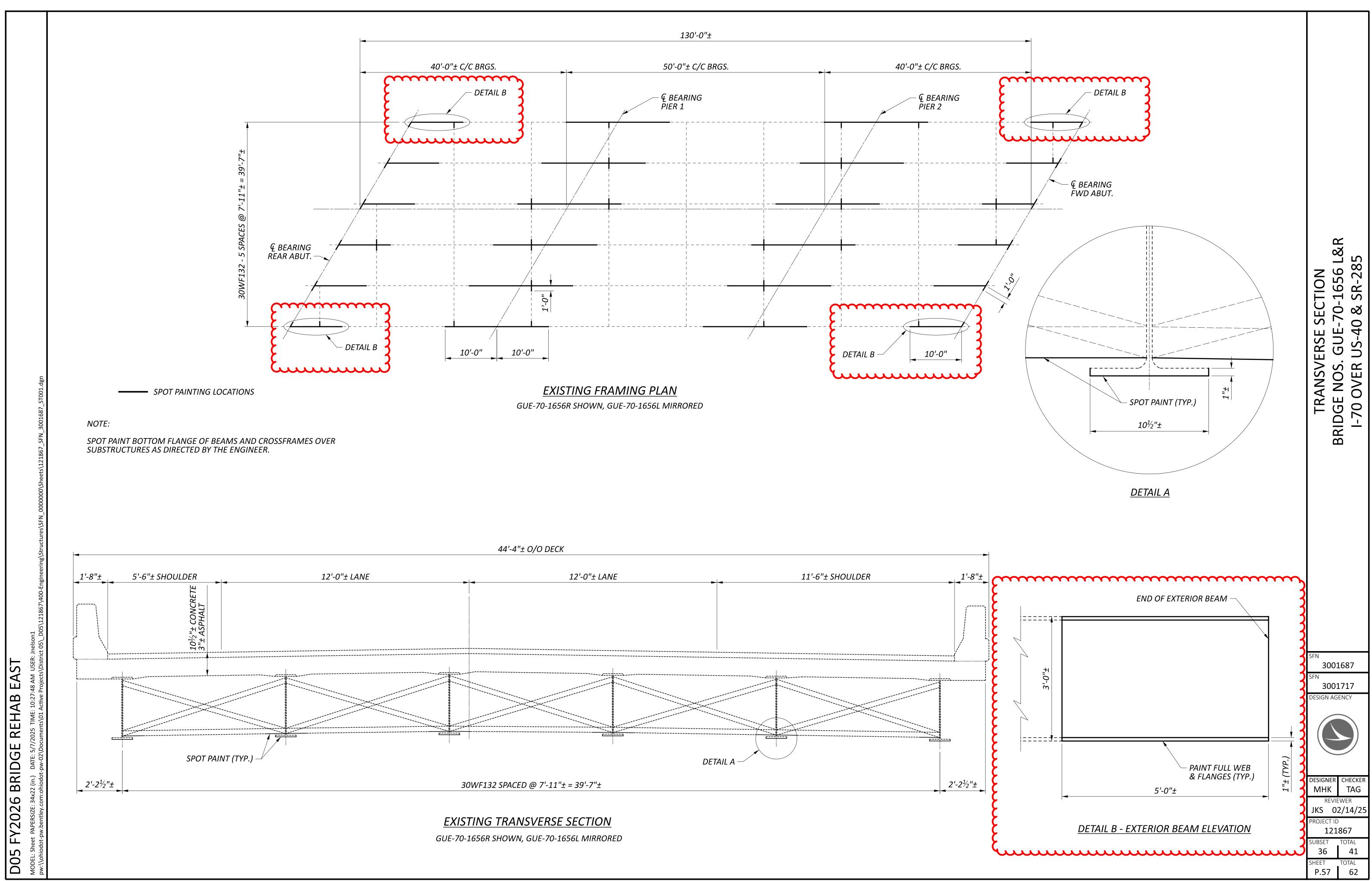
D05 FY2026 BRIDGE REHAB EAST

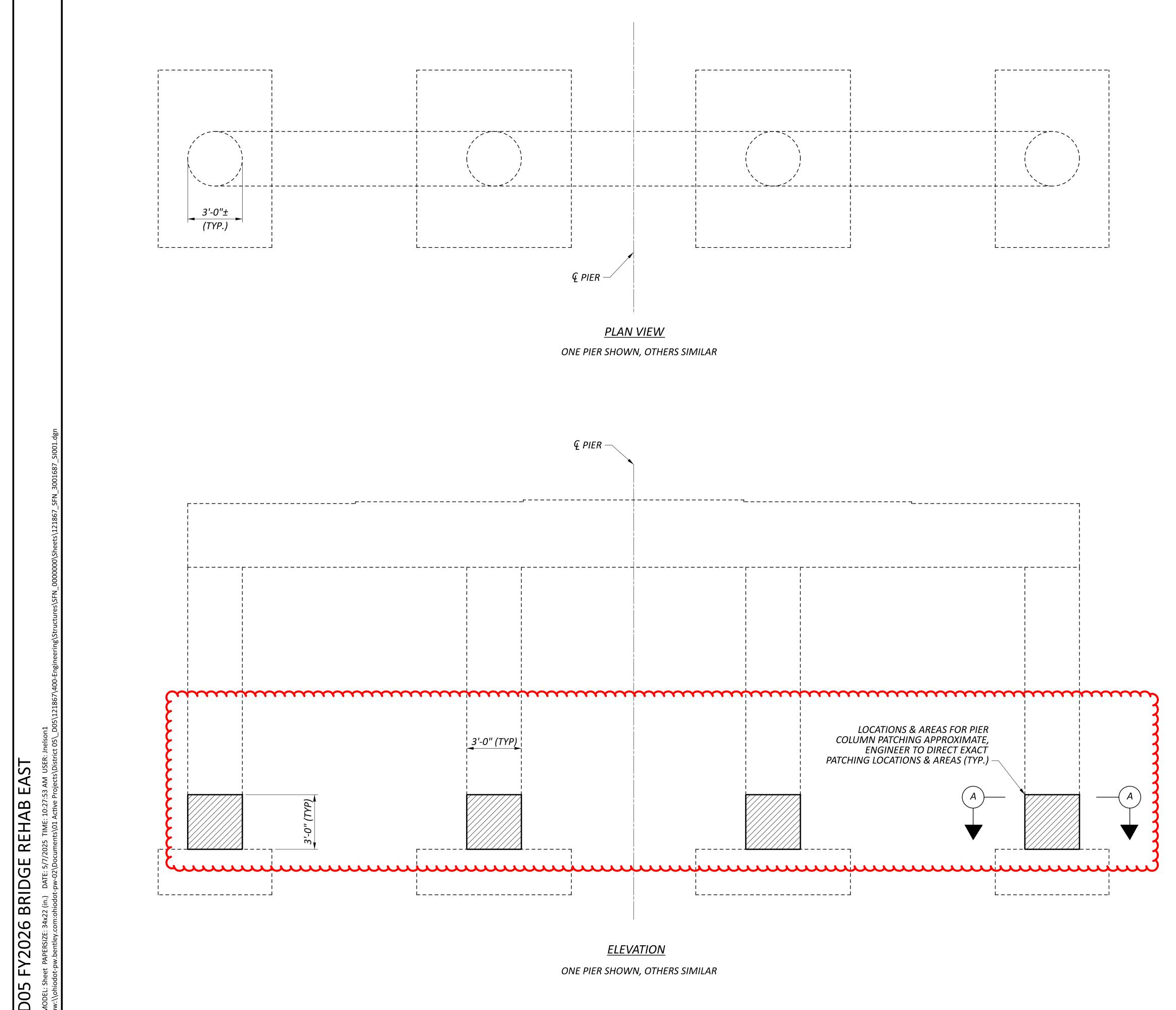
5 PAPERSIZE: 34x22 (in.) DATE: 5/7/2025 TIME: 10:27:38 AM USER: ww.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\Distri MODEL: Sheet | ^^^^

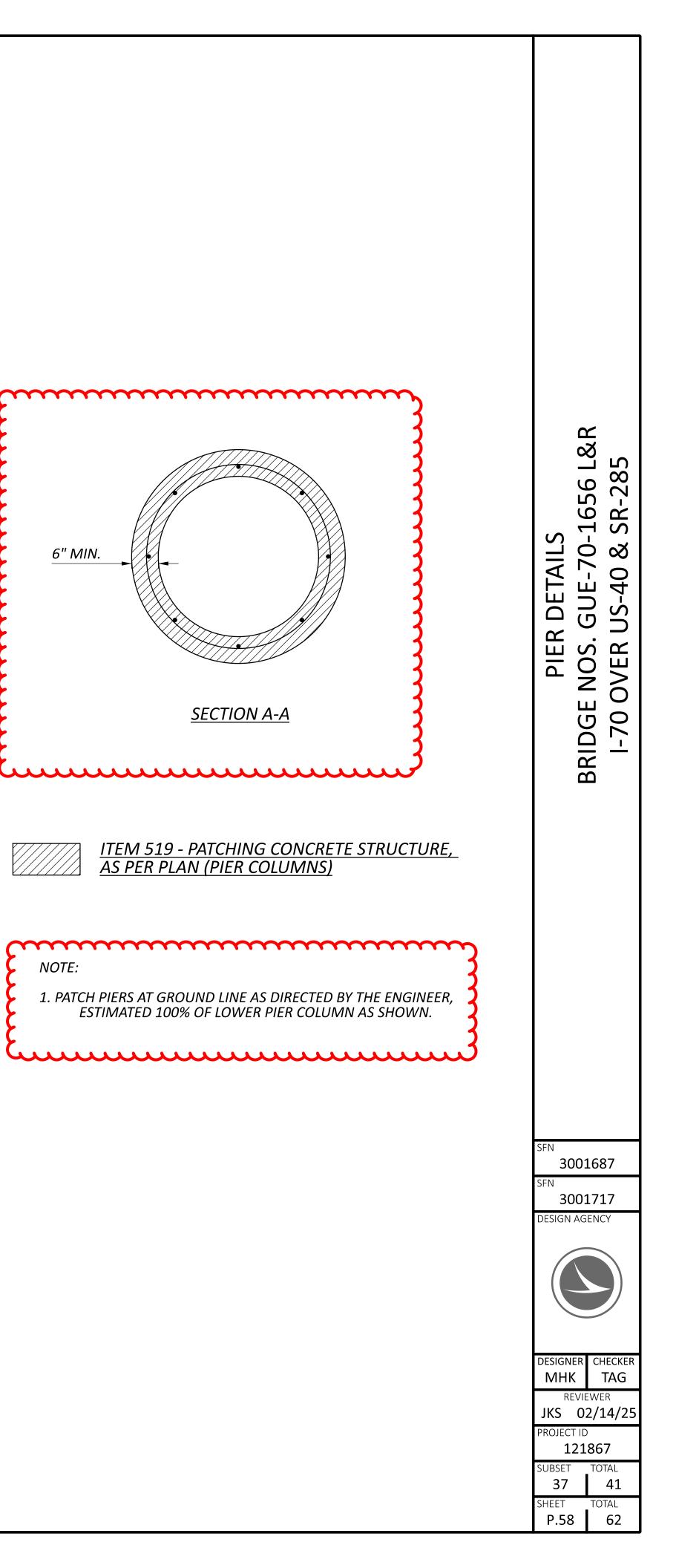
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ITEM	μ			<u> </u>							_		
DESCRIPTION	#	_				W				C.F			SQ F
SPANS 2 & 3 BOTTOM FLANGES	4	X	150		X	1.1042		х	÷			=	662.
		X			Х			x	÷	1		=	
						ТС		RR	ED TO GENERAL S	UMN		XY =	663
	ITFM '			JOINT SE	-Δι								
DESCRIPTION	#				, (1					C.F	=.		FT
REAR APPROACH SLAB	1	x	82		х			x	÷	1		=	82.0
FORWARD APPROACH SLAB	1	x	82		x			x	÷	1		=	82.0
		x			x			x	÷	1		=	
						TC	TAL CA	RRI	ED TO GENERAL S	I UMN	IAR	XY =	164
					<u>ب</u>								
ITE	M 530 - SPE		- STRUC	TURES: CI	LE/	ANING O	F BRIDG	GE J	OINTS				
DESCRIPTION	#									C.F	Ξ.		EAC
REAR AND FORWARD	2	х			х			х	÷	1		=	2.0
		x			х			x	÷	1		=	
				<u> </u>		TC	TAL CA	RRI	ED TO GENERAL S	UMN	IAR	XY =	2
ITI	EM 530 - SPI		- STRUC	CTURES: C	CLE	ANING O	F BRIDO	GE S	SEATS	-			
DESCRIPTION	#									C.F	=.		EAC
REAR AND FORWARD	2	x			x			х	÷	1		=	2.0
		x			х			х	÷	1		=	
						тс	DTAL CA	RRI	ED TO GENERAL S	UMN	IAR	XY =	2.0
ITEM	530 - SPECI/	AL - S	FRUCTU	RES: CLEA	AN	ING OF D	RAINAG	GE S	SYSTEMS	_			
DESCRIPTION	#									C.F			EAC
BULB ANGLE GUTTERS	2	х			х			х	÷	1		=	2.0
SCUPPERS	12	x			x			х	÷	1		=	12.0
ABUTMENT PIPE DRAINS	4	х			x			х	÷	1		=	4.0
		x			x			х	÷	1		=	
			•	·					ED TO GENERAL S				18.0

CALCULATIONS BRIDGE NO. GUE-70-1334 T.R. 55 OVER I-70
SFN 3001628 DESIGN AGENCY
DESIGNER MHKCHECKER TAGREVIEWERJKS0Y14/25PROJECT ID121×867SUBSETTOTAL 413441SHEETTOTAL 62







	514 - FIELD	PAIN	TING, M	ISC: MAII	NA	AND SECONE	DARY N	IEMBERS				
DESCRIPTION	#		L	L		W				C.F.		SQ I
GUE-70-1656L BOTTOM FLANGES	6	x	60		х	1.0417	x		÷	50%	=	187
GUE-70-1656L CROSSFRAMES	13	x	2		х	0.25	x		÷	75%	=	4.9
GUE-70-1656L END CROSSFRAMES	10	x	2		х	0.25	x		÷	75%	=	3.8
WEBS/FLANGES AT BEAM ENDS	8	x	5		Х	8.0834	x		÷	75%	=	242
						ΤΟΤΑΙ	L CARR	IED TO GENI	ERAL SU	JMMAI	RY =	439
ITEM 519	- PATCHING	G CON	ICRETE S	STRUCTU	RE	, AS PER PLA	N (PIE	R COLUMNS	5)			
DESCRIPTION	#		CIF	RC.		н				C.F.		SQ I
GUE-70-1656L PIER BASES	8	x	9.42		х	3	x	100%	÷	1	=	226
		x			x		x		÷	1	=	
		-		_		<u> </u>	TOTAL	CARRIED TO) SUBSI	JMMAI	RY =	226
			<u></u>	<u></u>	.							
ITEM 843 - PATC									R PLAN	I		
										C.F.		SQ I
ITEM 843 - PATC						I TROWELAB			R PLAN		=	SQ I 80.

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ITEM	514 - FIELD	PAIN [®]	TING, N	1ISC: MA		AND SECOND		/EMBER	S				12	
DESCRIPTION	#			L		W				C.F.		SQ FT	11	
GUE-70-1656R BOTTOM FLANGES	6	x	60		х	1.0417	x		÷	50%	=	187.5	11	
GUE-70-1656R CROSSFRAMES	13	x	2		х	0.25	x		÷	75%	=	4.9	11	
GUE-70-1656R END CROSSFRAMES	10	x	2		х	0.25	x		÷	75%	=	3.8	13	
WEBS/FLANGES AT BEAM ENDS	8	x	5		х	8.0834	x		÷	75%	=	242.5]3	
		x			х		x		÷		=		3	
						TOTAL	CARR		SENERAL S	UMMA	RY =	439	13	
ITEM 519	- PATCHING			STRUCT	JRE	, AS PER PLAI	N (PIE		/INS)				11	
DESCRIPTION	#		CI	RC.		Н				C.F.		SQ FT	12	
GUE-70-1656R PIER BASES	8	x	9.42		x	3	x	100%	÷	1	=	226.1	12	
		x			x		x		÷	1	=		11	
						1	OTAL		D TO SUBS	UMMA	RY =	226		
<u></u>						<u></u>							5	
ITEM 843 - PATC			STRUC	TURES W	/ITH	H TROWELABI	E MC	DRTAR, A	S PER PLA	N				N
DESCRIPTION	#			L		н				C.F.		SQ FT		IONS
GUE-70-1656R DECK CORNERS	4	x	10		x	2	x		÷	1	=	80.0		ATI
		x			х		x		÷	1	=		_	UL/
						٦	OTAL	CARRIE	D TO SUBS	UMMA	RY =	80		
														CA

ITEM	514 - FIELD	PAIN	TING, MISC: N	MAIN	AND SECC		/IEMBERS	5			
DESCRIPTION	#		L		w				C.F.		SQ FT
GUE-70-1656R BOTTOM FLANGES	6	x	60	x	1.0417	x		÷	50%	=	187.5
GUE-70-1656R CROSSFRAMES	13	x	2	x	0.25	x		÷	75%	=	4.9
GUE-70-1656R END CROSSFRAMES	10	x	2	x	0.25	x		÷	75%	=	3.8
WEBS/FLANGES AT BEAM ENDS	8	x	5	x	8.0834	x		÷	75%	=	242.5
		x		x		x		÷		=	
	-	-	-	-	ТО		IED TO G		JMMAF	- RY =	439
ITEM 519	- PATCHING		ICRETE STRU		E, AS PER I	PLAN (PIE		INS)			
DESCRIPTION	#		CIRC.		н				C.F.		SQ FT
GUE-70-1656R PIER BASES	8	x	9.42	x	3	x	100%	÷	1	=	226.1
		x		x		x		÷	1	=	
			-		-	TOTAL	CARRIED	TO SUBS	UMMA	RY =	226
<u></u>	<u>uuu</u>		<u></u>	<u></u>		<u></u>					
ITEM 843 - PATC		RETE	STRUCTURES		H TROWEI	ABLE MC	RTAR, AS	PER PLAN	J		
	#		L		н				C.F.		SQ FT
DESCRIPTION											20.0
	4	x	10	X	2	X		÷		=	80.0
DESCRIPTION		x x	10	x x	2	x x		÷ ÷	1	=	80.0

SFN

SFN

3001687

3001717 DESIGN AGENCY

DESIGNER
MHKCHECKER
TAGREVIEWER
JKS 02/14/25PROJECT ID
121X67SUBSETTOTAL
413841SHEETTOTAL
62

		PAIN	IING, N	/IISC: MA	IN	AND SECOND	ARY N	1EMBERS				
DESCRIPTION	#			L		w				C.F.		SQ FT
JE-70-1656R BOTTOM FLANGES	6	x	60		х	1.0417	x		÷	50%	=	187.5
GUE-70-1656R CROSSFRAMES	13	x	2		x	0.25	x		÷	75%	=	4.9
E-70-1656R END CROSSFRAMES	10	x	2		х	0.25	x		÷	75%	=	3.8
VEBS/FLANGES AT BEAM ENDS	8	x	5		х	8.0834	x		÷	75%	=	242.5
		x			x		x		÷		=	
			•			TOTAL	CARR	IED TO GEN	ERAL S	UMMAI	RY =	439
ITEM 51	9 - PATCHING	i con	ICRETE	STRUCTI	URE	E, AS PER PLAN	N (PIE		5)	-		
DESCRIPTION	#		CI	RC.		н				C.F.		SQ FT
GUE-70-1656R PIER BASES	8	x	9.42		x	3	x	100%	÷	1	=	226.1
		x			x		x		÷	1	=	
	-	-	-	-		T	OTAL	CARRIED TO	D SUBS	UMMAI	RY =	226
	<u></u>					<u></u>	<u></u>	<u>aaaa</u>			<u></u>	
ITEM 843 - PAT	CHING CONC	RETE	STRUC	TURES W	νιτι	H TROWELABL	E MO	RTAR, AS P	ER PLAI	N		
DESCRIPTION	#			L		н				C.F.		SQ FT
GUE-70-1656R DECK CORNERS	4	x	10		х	2	x		÷	1	=	80.0
		x			x		х		÷	1	=	