

**DESIGN DESIGNATION- LOCATION 5
HOCKING TOWNSHIP**

CURRENT ADT (2025) 650
 DIRECTIONAL DISTRIBUTION 56%
 TRUCKS (24 HOUR B&C) 0
 LEGAL SPEED 55
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL MINOR COLLECTOR

**DESIGN DESIGNATION- LOCATION 6
BERNE TOWNSHIP**

CURRENT ADT (2025) 18,500
 DIRECTIONAL DISTRIBUTION 60%
 TRUCKS (24 HOUR B&C) 3,330
 LEGAL SPEED 70
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL NON-INTERSTATE FREEWAY

**DESIGN DESIGNATION- LOCATION 7, 8, 9, & 10
BERNE TOWNSHIP**

CURRENT ADT (2025) 27,000
 DIRECTIONAL DISTRIBUTION 63%
 TRUCKS (24 HOUR B&C) 3,240
 LEGAL SPEED 70
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL NON-INTERSTATE FREEWAY

**DESIGN DESIGNATION- LOCATION 11 & 12
BERNE TOWNSHIP**

CURRENT ADT (2025) 27,000
 DIRECTIONAL DISTRIBUTION 63%
 TRUCKS (24 HOUR B&C) 3,240
 LEGAL SPEED 60
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL PRINCIPAL ARTERIAL

Locations and Treatments

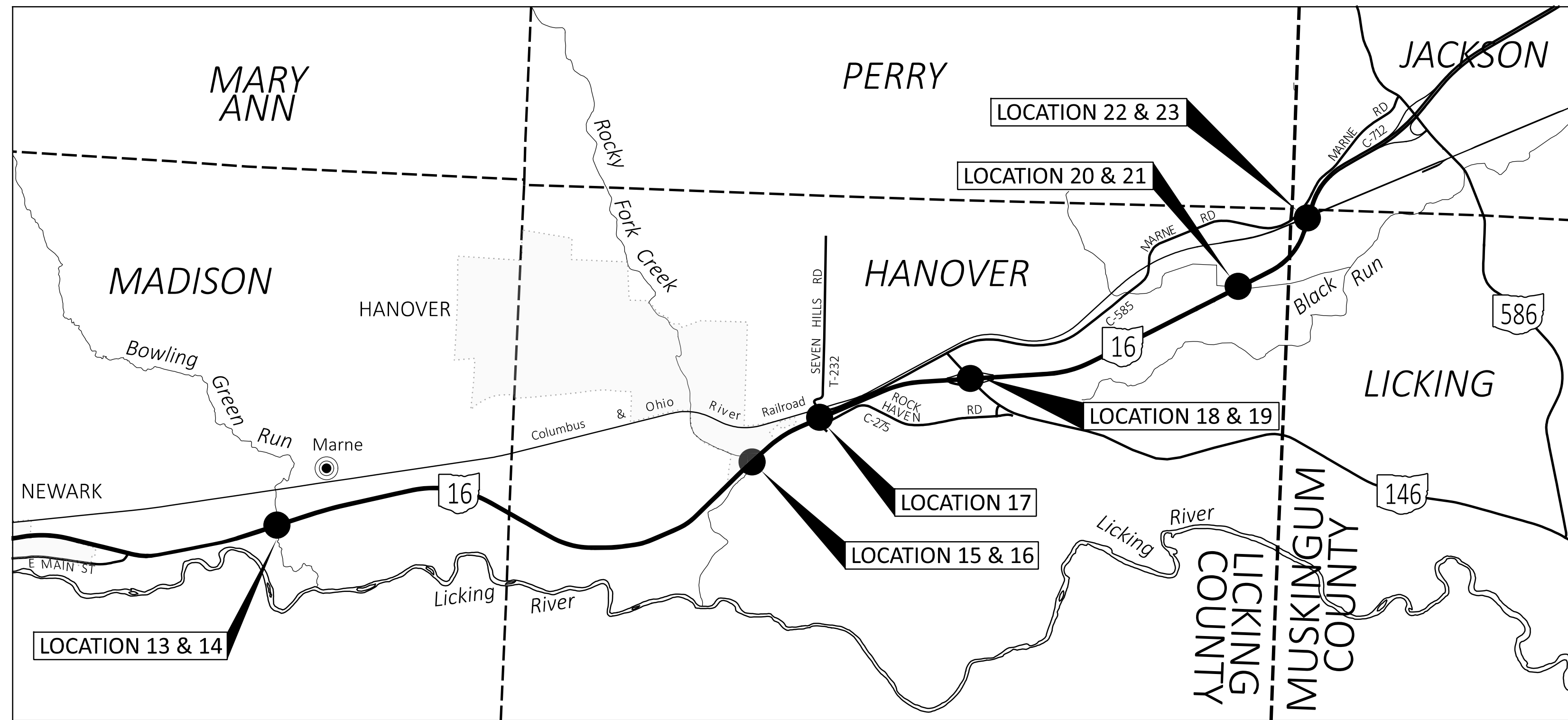
| Location | County | Route | Bridge No. | SFN | Latitude | Longitude | Description | Proposed Treatments |
|----------|--------|-------|----------------|---------|-----------|------------|-----------------------------------|--|
| 5 | FAI | US 33 | FAI-33-18.33 | 2300834 | 39.667557 | -82.607081 | BIS RD (CR 90) OVER US 33 | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPAIR EROSION AT FORWARD RIGHT END. |
| 6 | FAI | US 33 | FAI-33-18.87 | 2300869 | 39.667012 | -82.595932 | ROSS RD (TR 284) OVER US 33 | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPLACE JOINT SEALER AT APPROACH SLABS. |
| 7 | FAI | US 33 | FAI-33-20.66 R | 2300915 | 39.664623 | -82.564354 | US 33 EB OVER TARKILN RD (TR 280) | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. |
| 8 | FAI | US 33 | FAI-33-20.66 L | 2300958 | 39.664623 | -82.563992 | US 33 WB OVER TARKILN RD (TR 280) | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. |
| 9 | FAI | US 33 | FAI-33-20.91 R | 2300974 | 39.661528 | -82.561440 | US 33 EB OVER CR 33A | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. |
| 10 | FAI | US 33 | FAI-33-20.91 L | 2301008 | 39.661809 | -82.561323 | US 33 WB OVER CR 33A | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. |
| 11 | FAI | US 33 | FAI-33-23.69 R | 2301113 | 39.622461 | -82.550989 | US 33 EB OVER HOCKING RIVER | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. PATCH ABUTMENTS. |
| 12 | FAI | US 33 | FAI-33-23.69 L | 2301083 | 39.622384 | -82.550745 | US 33 WB OVER HOCKING RIVER | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. PATCH ABUTMENTS. |

LOCATION 12 UTILITIES

AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
 38831 STATE ROUTE 7
 REEDSVILLE, OHIO 45772
 ATTN: CLARKE SAUNDERS
 740-985-3054
 CMSAUNDERS@AEP.COM

TC ENERGY
 301 MAPLE STREET
 SUGAR GROVE, OHIO 43155
 ATTN: JAKE DUSKA
 740-746-2284
 JACOB_DUSKA@TCENERGY.COM





**DESIGN DESIGNATION- LOCATION 13 & 14
MADISON TOWNSHIP**

CURRENT ADT (2025) 22,000
 DIRECTIONAL DISTRIBUTION 67%
 TRUCKS (24 HOUR B&C) 2,420
 LEGAL SPEED 60
 DESIGN FUNCTIONAL CLASSIFICATION: URBAN NON-INTERSTATE FREEWAY

**DESIGN DESIGNATION- LOCATION 15, 16, & 17
HANOVER TOWNSHIP**

CURRENT ADT (2025) 17,000
 DIRECTIONAL DISTRIBUTION 65%
 TRUCKS (24 HOUR B&C) 2,210
 LEGAL SPEED 70
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL NON-INTERSTATE FREEWAY

**DESIGN DESIGNATION- LOCATION 18, 19, 20, & 21
HANOVER TOWNSHIP**

CURRENT ADT (2025) 9,000
 DIRECTIONAL DISTRIBUTION 65%
 TRUCKS (24 HOUR B&C) 1,530
 LEGAL SPEED 70
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL NON-INTERSTATE FREEWAY

**DESIGN DESIGNATION- LOCATION 22 & 23
LICKING TOWNSHIP**

CURRENT ADT (2025) 7,900
 DIRECTIONAL DISTRIBUTION 62%
 TRUCKS (24 HOUR B&C) 869
 LEGAL SPEED 70
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL NON-INTERSTATE FREEWAY

LOCATION 17 UTILITIES

AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
 38831 STATE ROUTE 7
 REEDSVILLE, OHIO 45772
 ATTN: CLARKE SAUNDERS
 740-985-3054
 CMSAUNDERS@AEP.COM

GLOFIBER (HORIZON NETWORK)
 1123 GOODALE BOULEVARD, SUITE 550
 COLUMBUS, OH 43212
 ATTN: STACIE STEARNS
 614-570-4323
 STACIE.STEARNS@GLOFIBER.COM

SPECTRUM CABLE TV
 737 HOWARD ST.
 ZANESVILLE, OHIO 43701
 ATTN: JOSH HITE
 740-466-7357
 JOSHUA.HITE@CHARTER.COM

Locations and Treatments

| Location | County | Route | Bridge No. | SFN | Latitude | Longitude | Description | Proposed Treatments |
|----------|--------|-------|----------------|---------|-----------|------------|------------------------------------|---|
| 13 | LIC | SR 16 | LIC-16-25.91 L | 4501292 | 40.065813 | -82.315645 | SR 16 WB OVER BOWLING GREEN RUN | PATCH DECK, DECK ENDS, AND APPROACH SLABS, SEAL WITH HMWM. REPLACE JOINT SEALER AT APPROACH SLABS. |
| 14 | LIC | SR 16 | LIC-16-25.91 R | 4501322 | 40.065586 | -82.315644 | SR 16 EB OVER BOWLING GREEN RUN | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPLACE JOINT SEALER AT APPROACH SLABS. |
| 15 | LIC | SR 16 | LIC-16-29.30 L | 4501381 | 40.071255 | -82.257972 | SR 16 WB OVER ROCKY FORK CREEK | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. PATCH WINGWALLS. |
| 16 | LIC | SR 16 | LIC-16-29.30 R | 4501411 | 40.071388 | -82.257395 | SR 16 EB OVER ROCKY FORK CREEK | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPAIR EROSION AT FORWARD RIGHT END. |
| 17 | LIC | SR 16 | LIC-16-29.84 | 4501446 | 40.076239 | -82.249099 | SEVEN HILLS RD (TR 232) OVER SR 16 | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. |
| 18 | LIC | SR 16 | LIC-16-30.86 L | 4501470 | 40.079489 | -82.230734 | SR 16 WB OVER SR 146 | PATCH DECK, SEAL WITH HMWM. REMOVE SPALLS OVER TRAFFIC. |
| 19 | LIC | SR 16 | LIC-16-30.86 R | 4501500 | 40.079288 | -82.230479 | SR 16 EB OVER SR 146 | PATCH DECK, SEAL WITH HMWM. REMOVE SPALLS OVER TRAFFIC. |
| 20 | LIC | SR 16 | LIC-16-32.72 L | 4501535 | 40.087839 | -82.198010 | SR 16 WB OVER BR OF BLACK RUN | REPAIR TOP OF PARAPET. |
| 21 | LIC | SR 16 | LIC-16-32.72 R | 4501551 | 40.087698 | -82.197743 | SR 16 EB OVER BR OF BLACK RUN | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPAIR TOP OF PARAPET. REPLACE JOINT SEALER AT APPROACH SLABS. |
| 22 | MUS | SR 16 | MUS-16-0.29 L | 6000037 | 40.094305 | -82.189034 | SR 16 WB OVER CUOH RAILROAD | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. REPLACE JOINT SEALER AT APPROACH SLABS. |
| 23 | MUS | SR 16 | MUS-16-0.29 R | 6000045 | 40.094410 | -82.188694 | SR 16 EB OVER CUOH RAILROAD | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM. PATCH REAR DIAPHRAGM. REPLACE JOINT SEALER AT APPROACH SLABS. |

DESIGN AGENCY



DESIGNER

JKS

REVIEWER

JKS 03/18/26

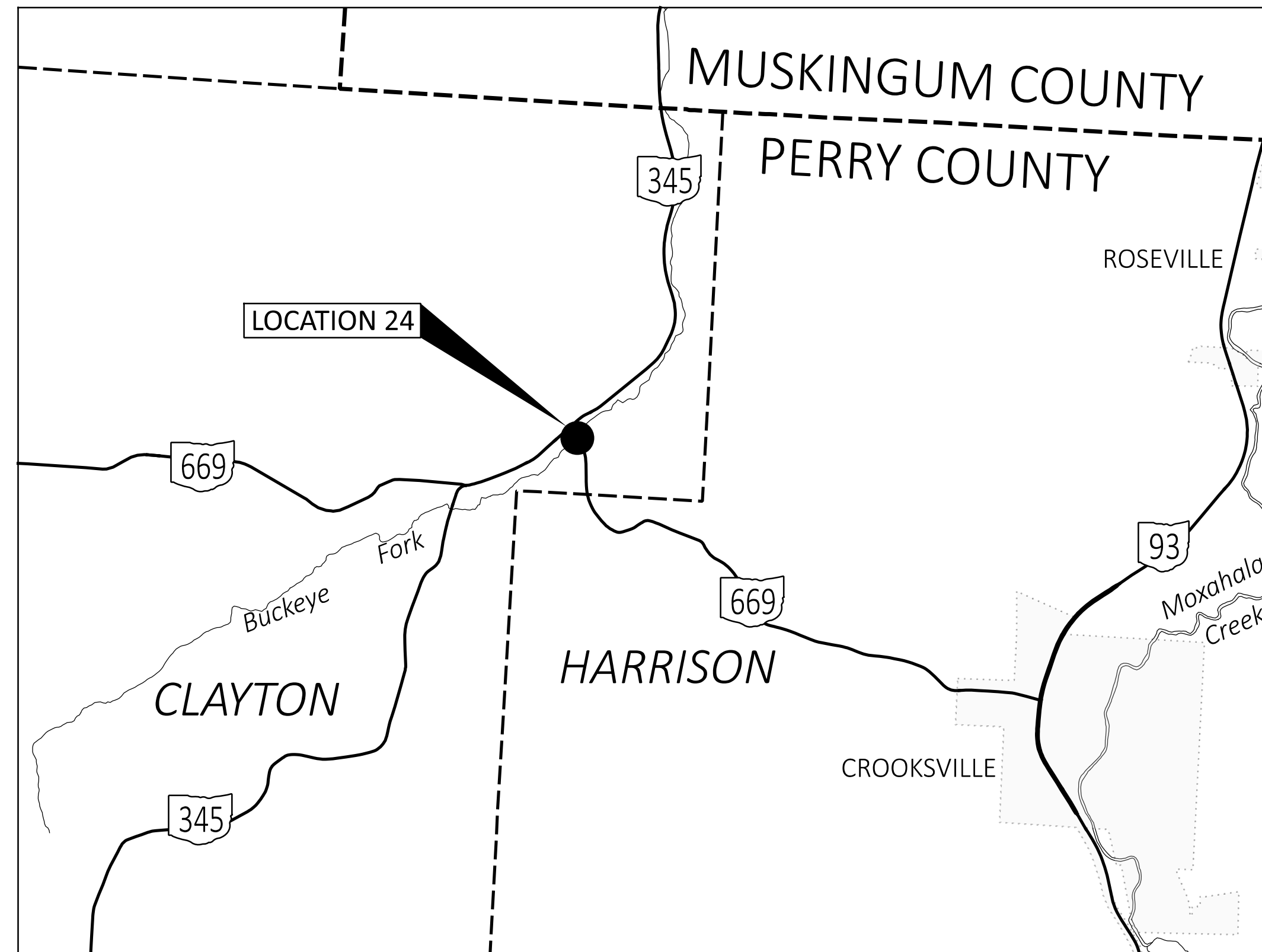
PROJECT ID

124808

SHEET

P.4 TOTAL

57



| Locations and Treatments | | | | | | | | |
|--------------------------|--------|--------|--------------|---------|-----------|------------|--|---|
| Location | County | Route | Bridge No. | SFN | Latitude | Longitude | Description | Proposed Treatments |
| 24 | PER | SR 669 | PER-669-7.02 | 6403573 | 39.794525 | -82.147135 | SR 669 OVER BUCKEYE FORK OF JONATHAN CREEK | PATCH DECK AND DECK ENDS, SEAL WITH HMWM. |

**DESIGN DESIGNATION- LOCATION 24
 CLAYTON TOWNSHIP**

CURRENT ADT (2025) 1,400
 DIRECTIONAL DISTRIBUTION 62%
 TRUCKS (24 HOUR B&C) 126
 LEGAL SPEED 55
 DESIGN FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR



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. SEE LOCATION MAP SHEETS FOR KNOWN UTILITIES AT SPECIFIC LOCATIONS.

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 CONSTRUCTION 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 CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

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 PER-669-0.00 (PID 109748). THAT PROJECT MAY BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT AND COULD AFFECT MAINTENANCE OF TRAFFIC FOR WORK ON THE PER-669-7.02 BRIDGE.

THE CONTRACTOR FOR THIS PROJECT SHALL COORDINATE WITH THE CONTRACTOR FOR BRIDGE REPLACEMENT PROJECT PER-345-6.48 (PID 117969). THAT PROJECT MAY BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT AND COULD AFFECT MAINTENANCE OF TRAFFIC FOR WORK ON THE PER-669-7.02 BRIDGE.

WORK ON THE PER-669-7.02 BRIDGE SHALL NOT BEGIN UNTIL THE COMPLETION OF RESURFACING PROJECT PER-669-0.00 (PID 109748), APPROXIMATELY SEPTEMBER 2026.

ENVIRONMENTAL NOTE

SEVERAL STRUCTURES IN THE PROJECT AREA INVOLVE WORK OVER RIVERS OR STREAMS. ALL WORK IS PROHIBITED FROM OCCURRING BELOW THE OHWM IN ANY RIVER/STREAM FLOWING UNDER THE STRUCTURES. NO TEMPORARY OR PERMANENT FILL MATERIALS MAY ENTER THE WATERWAY DURING CONSTRUCTION. IF DEBRIS ENTERS THE WATERWAY DURING CONSTRUCTION, REMOVE THE DEBRIS IMMEDIATELY USING EQUIPMENT STAGED OUTSIDE THE JURISDICTIONAL BOUNDARY. ALL BRIDGE SCUPPERS SHALL BE COVERED, AT THE APPROVAL OF THE ENGINEER, FOR ANY WORK TAKING PLACE ON AND/OR ADJACENT TO THE STRUCTURES.

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 HAFFER-LIPSTREU @ (740) 323-5103 (NICOLE.HAFFERLIPSTREU@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.

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

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 UNCERTAINTIES 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.

REFERENCE

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

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

SS 843 DATED: 01-19-2024
SS 846 DATED: 04-17-2015

Removed RB-1-55

1 ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

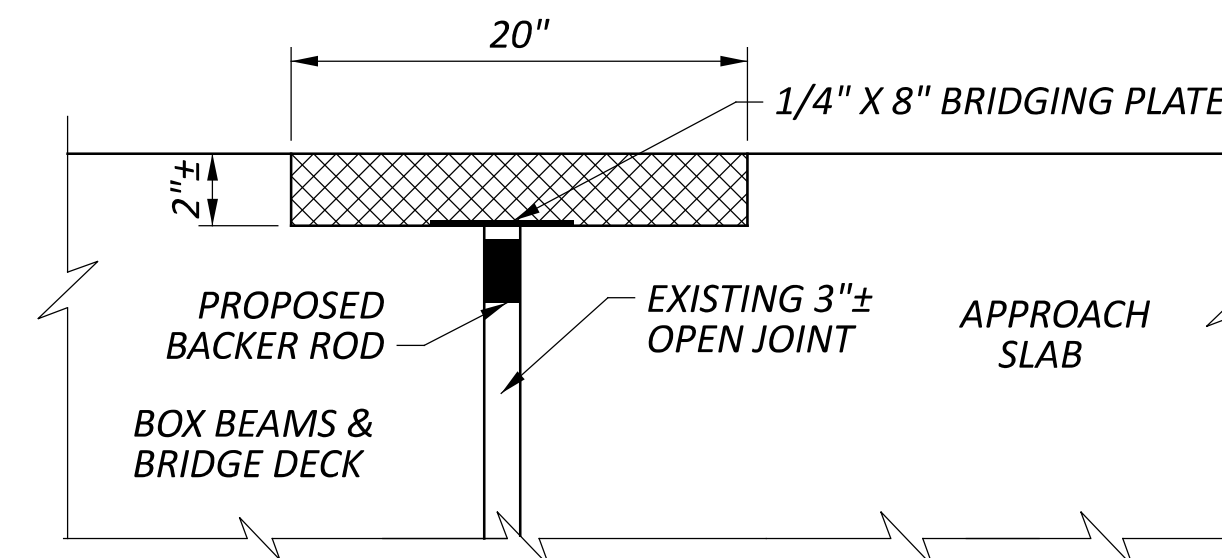
THIS WORK CONSISTS OF THE REMOVAL OF DETERIORATED SECTIONS OF THE EXISTING POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES:

PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED I.E. EXISTING BRIDGE DECK, AND APPROACH SLAB. 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 LINEAR FOOT BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM.

1 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM

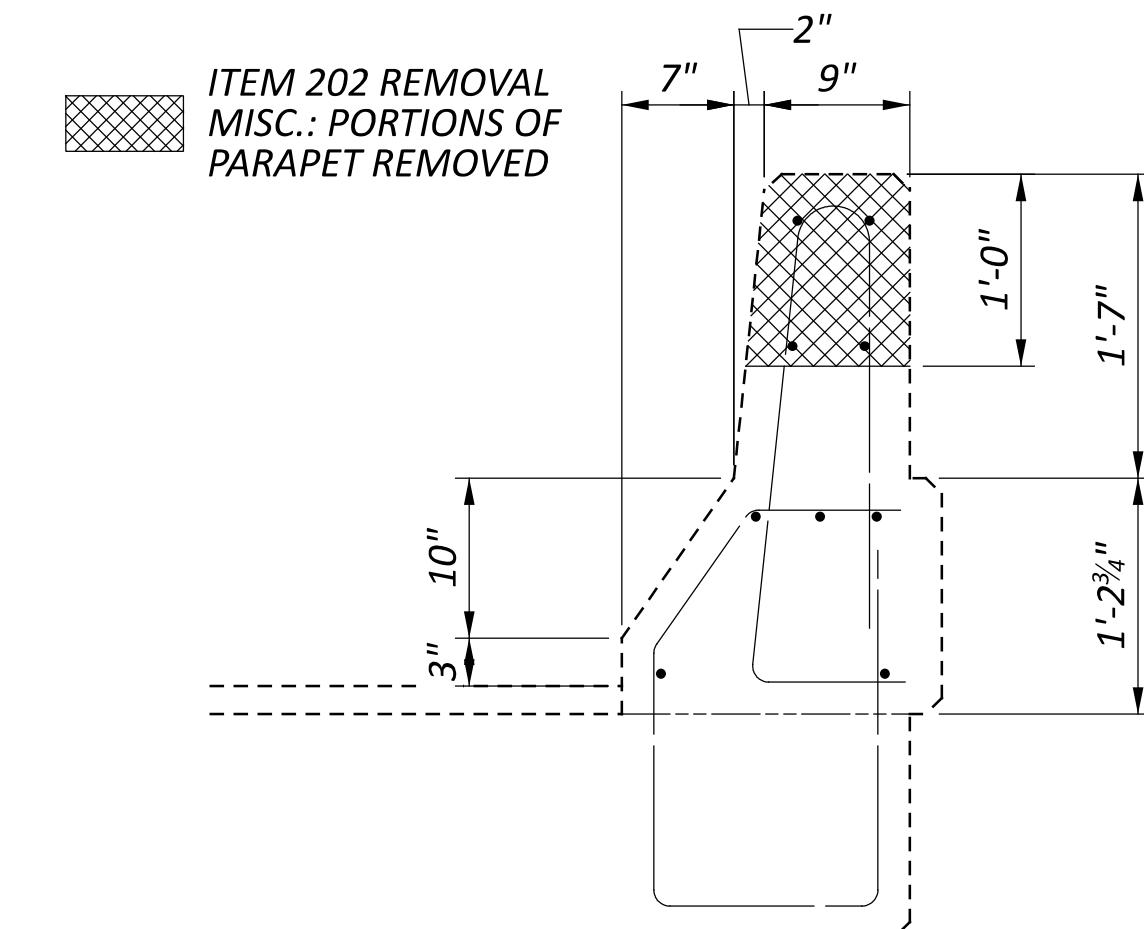
SEE SUPPLEMENTAL SPECIFICATION 846 FOR DETAILS



2 ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED

THIS WORK CONSISTS OF THE REMOVAL OF THE PARAPET TOPS AS SHOWN ON THIS SHEET AND THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING 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.

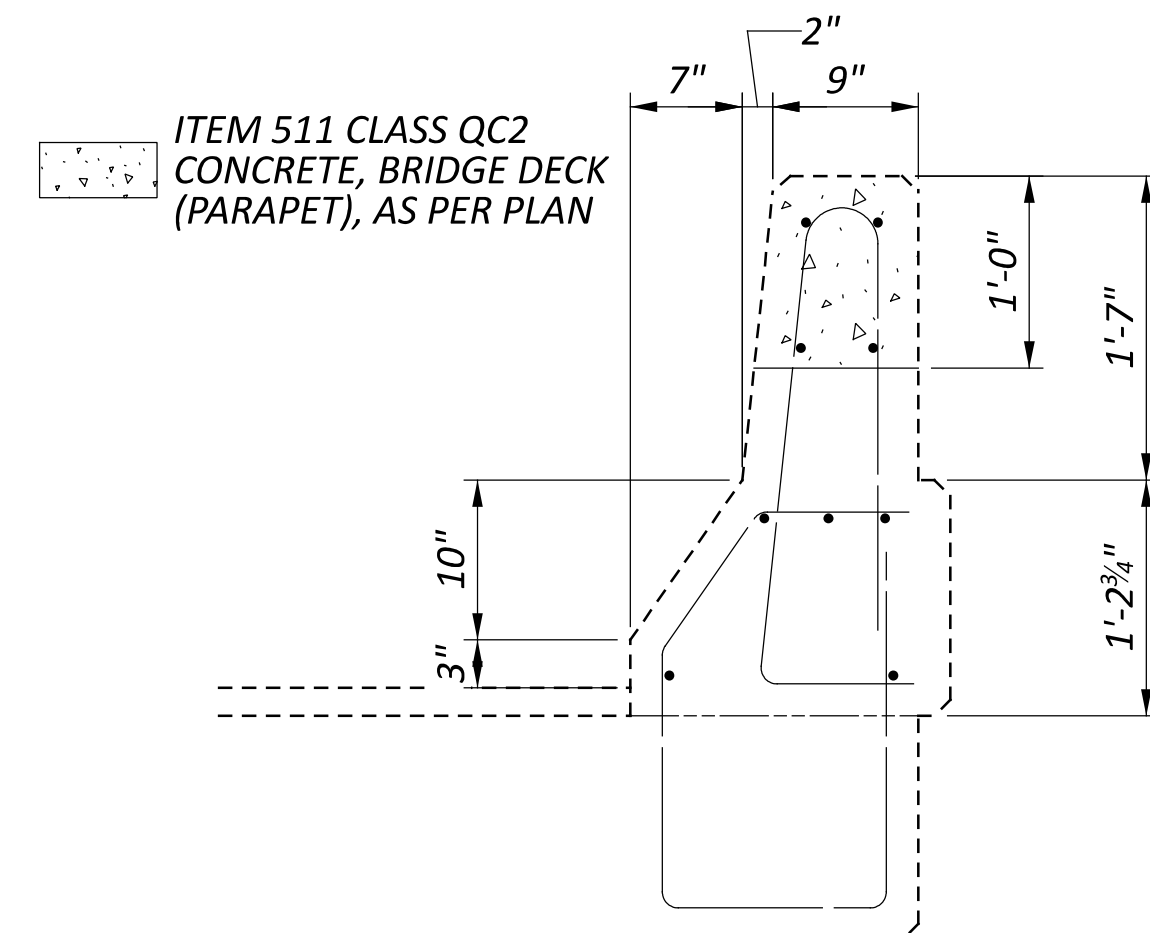
THE DEPARTMENT WILL MEASURE QUANTITY OF REMOVALS ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 REMOVAL MISC.: PORTIONS OF PARAPET REMOVED.



2 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN

THIS WORK CONSISTS OF CONSTRUCTING THE PROPOSED PARAPET TOPS AS SHOWN BELOW AND IN THE BRIDGE DETAILS.

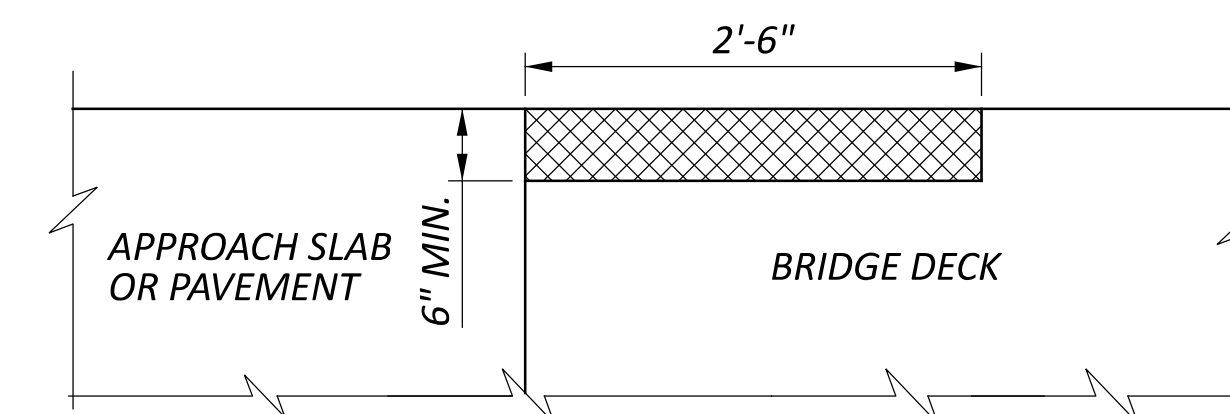
THE DEPARTMENT WILL MEASURE QUANTITY ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE BID FOR ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN.



3 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED

THIS WORK CONSISTS OF THE REMOVAL OF CONCRETE AT THE DECK ENDS AS SHOWN ON THIS SHEET AND THE BRIDGE DETAIL SHEETS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED IN THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING CONCRETE REMOVALS TO PROTECT PORTIONS OF THE BRIDGE 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 QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 REMOVAL MISC.: PORTIONS OF DECK END REMOVED.



3 ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR

TO EXPEDITE WORK, CLASS QC2 CONCRETE WITH ACCELERATING ADMIXTURE SIKA RAPID-1 OR ANY APPROVED EQUIVALENT ADMIXTURE SHALL BE USED TO ACHIEVE 3,000 PSI COMPRESSIVE STRENGTH IN 12 HOURS. USE A NON-CHLORIDE ACCELERATING ADMIXTURE AND PROVIDE DOCUMENTATION THAT THE MIX WILL ACHIEVE THE REQUIRED STRENGTH IN THE SPECIFIED TIME.

THIS ITEM SHALL CONFORM TO CMS 511 WITH THE FOLLOWING CONDITIONS AND REVISIONS:

AT LEAST 5 DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A SCHEDULE OF REPAIR WORK ITEMS TO BE COMPLETED. THE SCHEDULE SHALL INCLUDE A BREAKDOWN OF ALL MAJOR WORK ACTIVITIES ON AN HOURLY BASIS. REPAIR WORK SHALL NOT BEGIN UNTIL THE SCHEDULE IS APPROVED BY THE ENGINEER.

SEAL ALL EXPOSED CONSTRUCTION JOINTS WITH HMWM SEALER AS PER CMS 511.19.

PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR, EQUIPMENT, AND MATERIALS WILL BE MADE AT THE CUBIC FOOT CONTRACT PRICE BID FOR ITEM 511 CONCRETE, MISC.: QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR.

4 ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN

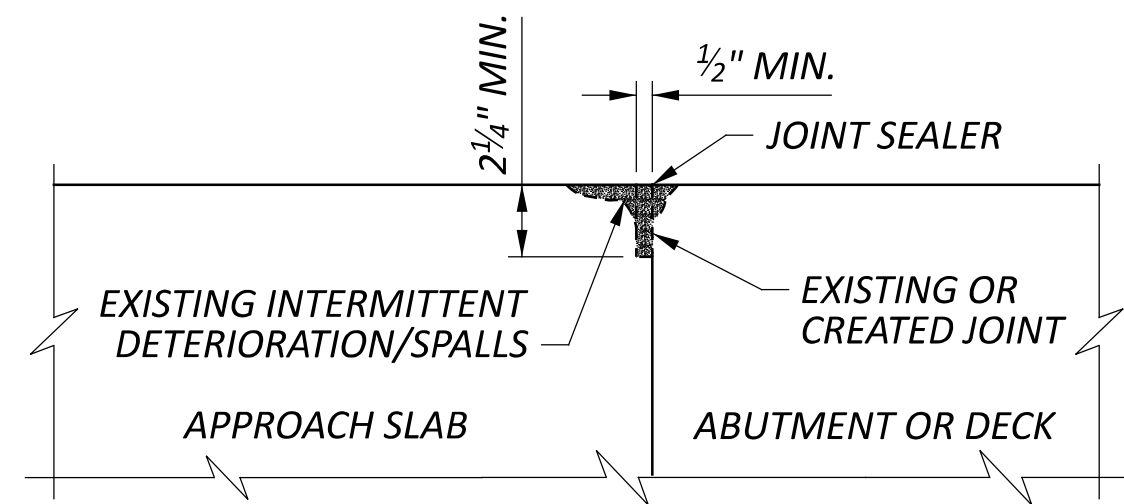
THIS WORK CONSISTS OF SEALING CONCRETE DECKS WITH HMWM RESIN AS PER CMS 512.04 AND 705.15. THE CONTRACTOR SHALL ENSURE ALL DIRT AND DEBRIS IS CLEARED FROM THE BRIDGE AND EXPANSION JOINTS PRIOR TO SEALING. PERMANENT PAVEMENT MARKINGS AND EXISTING COATING DO NOT NEED TO BE REMOVED PRIOR TO SEALING THE BRIDGE DECK. EXISTING PAVEMENT MARKINGS WILL BE REMOVED DURING THE PREP FOR PERMANENT PAVEMENT MARKINGS. ALL OTHER REPAIR WORK SHALL BE DONE PRIOR TO SEALING THE BRIDGE DECK. THE CONTRACTOR SHALL ENSURE THAT THE SEALER IS NOT APPLIED TO THE EXPANSION JOINTS OF THE BRIDGE. THE ABOVE WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN.

5 ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN

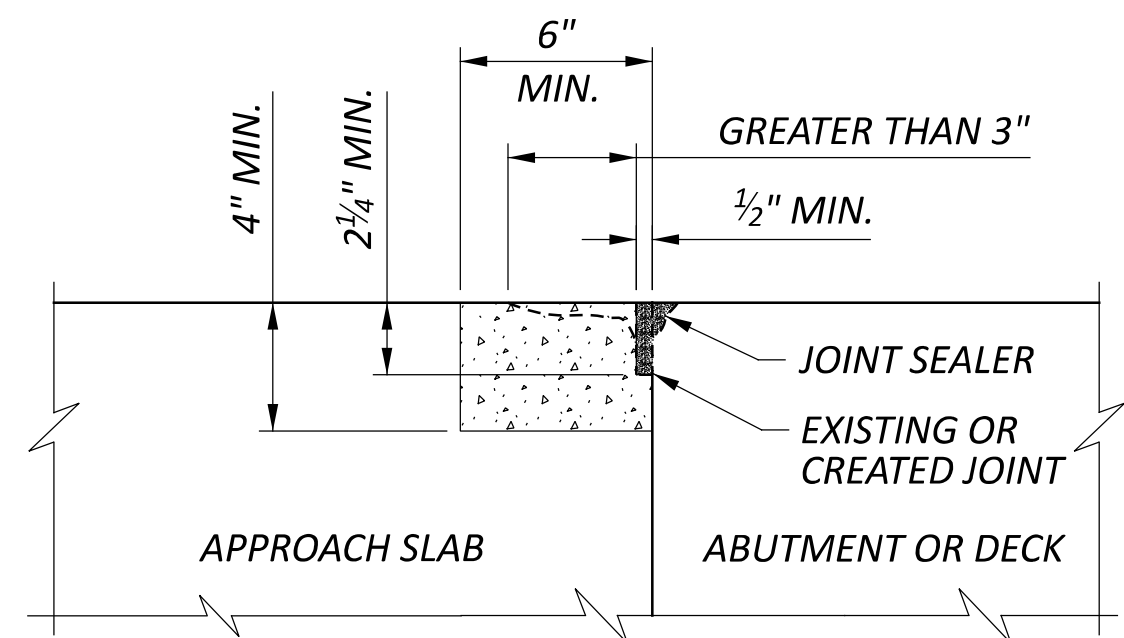
THIS WORK CONSISTS OF SEALING CONCRETE SIDEWALKS ON BRIDGE NO. KNO-62-17.80 SFN 4202236 WITH GRAVITY-FED RESIN AS PER CMS 512.06 AND 705.25. THE CONTRACTOR SHALL ENSURE ALL DIRT AND DEBRIS IS CLEARED FROM THE SIDEWALK AND EXPANSION JOINTS PRIOR TO SEALING. ALL OTHER REPAIR WORK SHALL BE DONE PRIOR TO SEALING THE SIDEWALK. THE CONTRACTOR SHALL ENSURE THAT THE SEALER IS NOT APPLIED TO THE EXPANSION JOINTS OF THE BRIDGE. THE ABOVE WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN.

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

PERFORM THE FOLLOWING WORK AFTER ALL SEALING HAS BEEN PERFORMED ON THE BRIDGE DECK. FOR THE LOCATIONS PROVIDED REMOVE ANY COMPRESSION SEAL, FOREIGN MATERIAL, AND DEBRIS FROM THE EXISTING JOINT BETWEEN THE APPROACH SLAB AND ABUTMENT BACKWALL. IF ONLY A SAWCUT EXISTS AT THIS LOCATION, PERFORM A NEW SAWCUT TO ESTABLISH A 1/2" WIDE BY 2 1/4" DEEP JOINT ALONG THIS INTERFACE. ONCE THE JOINT HAS BEEN OPENED OR CREATED, AIRBLAST THOROUGHLY PRIOR TO PLACEMENT OF HOT APPLIED JOINT SEALER AS PER 705.04 AS DIRECTED BY THE ENGINEER. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 516 - 2" JOINT SEALER, AS PER PLAN.



ABUTMENT SECTION FOR JOINT SEALER ONLY



ABUTMENT SECTION FOR PATCHING CONCRETE AND JOINT SEALER

7 ITEM 519 - PATCHING BRIDGE DECKS, TYPE B

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 (OR MORE IF NEEDED)** TO EXPOSE THE TOP MAT OF REINFORCING STEEL FOR ADEQUATE CONCRETE-TO-STEEL BOND) 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 DETERIORATED 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.

8 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 4"**. PATCHING LOCATIONS SHALL BE VERIFIED AND PERFORMED 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).

9 ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)

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 PERFORMED 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 (DECK EDGES).

10 ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

REMOVAL OF UNSOUND CONCRETE SHALL BE PERFORMED AS SPECIFIED IN CMS 519.03. CONCRETE SHALL BE REMOVED AND REPLACED AT A **DEPTH OF 4"**. PATCHING LOCATIONS SHALL BE VERIFIED AND PERFORMED 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 (DECK UNDERSIDE).

ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN

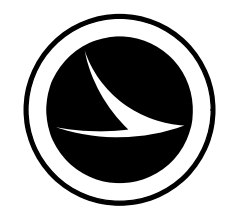
THIS ITEM SHALL BE USED TO FILL IN AREAS OF EROSION AS SHOWN IN THE BRIDGE DETAIL SHEETS. THE ERODED AREAS SHALL BE EXCAVATED TO ENSURE CLEAN EDGES.

THE DEPARTMENT WILL MEASURE THE QUANTITY OF WORK ON A CUBIC YARD BASIS AND INCLUDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK FOR PAYMENT WITH ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN.



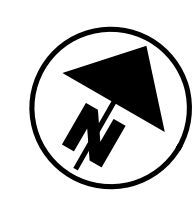
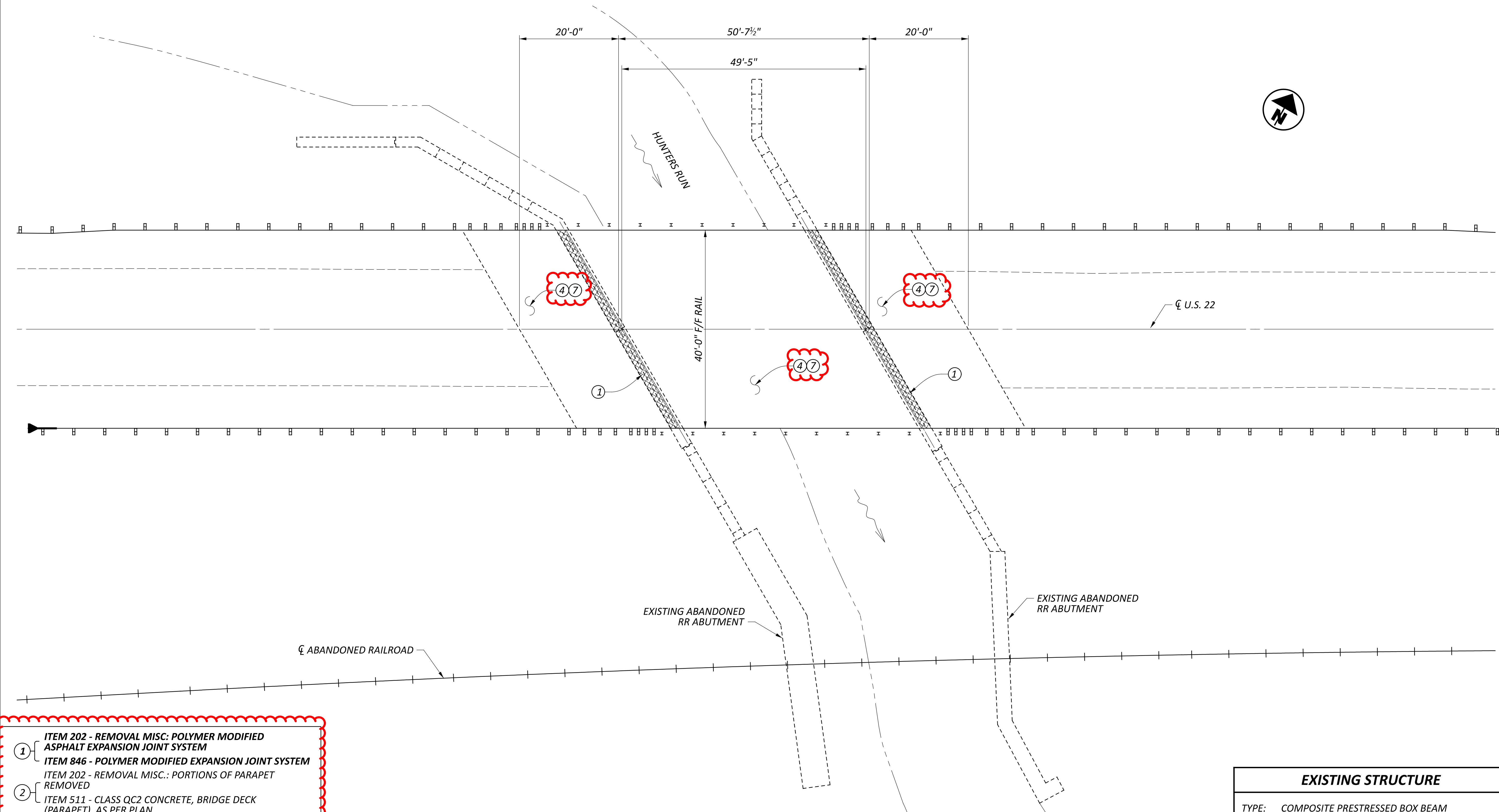
| SHEET NUMBER | | | | | | | | | | PART. | ITEM | ITEM | GRAND | UNIT | DESCRIPTION | SEE SHEET NO. |
|--------------|-------|----|----|----|----|----|----|----|----|--------|------|-------|-------|------|---|---------------|
| 8 | 12 | 13 | 15 | 27 | 39 | 41 | 45 | 52 | 57 | 01/NFP | EXT | TOTAL | | | | |
| | | | | | | | | | | | | | | | | |
| | 1,979 | | | | | | | | | 1,979 | 512 | 10301 | 1,979 | SY | STRUCTURE REPAIR (SFN 2300974 BRIDGE NO. FAI-33-20.91R) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 20 | | | | | | | | | 20 | 519 | 12300 | 20 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 1,979 | | | | | | | | | 1,979 | 512 | 10301 | 1,979 | SY | STRUCTURE REPAIR (SFN 2301008 BRIDGE NO. FAI-33-20.91L) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 20 | | | | | | | | | 20 | 519 | 12300 | 20 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 882 | | | | | | | | | 882 | 512 | 10301 | 882 | SY | STRUCTURE REPAIR (SFN 2301113 BRIDGE NO. FAI-33-23.69R) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 14 | | | | | | | | | 14 | 519 | 11101 | 14 | SF | PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS) | 7 |
| | 18 | | | | | | | | | 18 | 519 | 12300 | 18 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 882 | | | | | | | | | 882 | 512 | 10301 | 882 | SY | STRUCTURE REPAIR (SFN 2301083 BRIDGE NO. FAI-33-23.69L) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 6 | | | | | | | | | 6 | 519 | 11101 | 6 | SF | PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS) | 7 |
| | 18 | | | | | | | | | 18 | 519 | 12300 | 18 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | | | | | 5 | | | | | 5 | 202 | 98500 | 5 | CY | STRUCTURE REPAIR (SFN 4501292 BRIDGE NO. LIC-16-25.91L) REMOVAL MISC.: PORTIONS OF DECK END REMOVED | 6 |
| | | | | | 5 | | | | | 5 | 511 | 71100 | 5 | CY | CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR | 6 |
| | 576 | | | | | | | | | 576 | 512 | 10301 | 576 | SY | SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 86 | | | | | | | | | 86 | 516 | 31011 | 86 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 7 |
| | 12 | | | | | | | | | 12 | 519 | 12300 | 12 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 576 | | | | | | | | | 576 | 512 | 10301 | 576 | SY | STRUCTURE REPAIR (SFN 4501322 BRIDGE NO. LIC-16-25.91R) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 86 | | | | | | | | | 86 | 516 | 31011 | 86 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 7 |
| | 12 | | | | | | | | | 12 | 519 | 12300 | 12 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 865 | | | | | | | | | 865 | 512 | 10301 | 865 | SY | STRUCTURE REPAIR (SFN 4501381 BRIDGE NO. LIC-16-29.30L) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 25 | | | | | | | | | 25 | 519 | 11101 | 25 | SF | PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS) | 7 |
| | 18 | | | | | | | | | 18 | 519 | 12300 | 18 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 950 | | | | | | | | | 950 | 512 | 10301 | 950 | SY | STRUCTURE REPAIR (SFN 4501411 BRIDGE NO. LIC-16-29.30R) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 19 | | | | | | | | | 19 | 519 | 12300 | 19 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 934 | | | | | | | | | 934 | 512 | 10301 | 934 | SY | STRUCTURE REPAIR (SFN 4501446 BRIDGE NO. LIC-16-29.84) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 47 | | | | | | | | | 47 | 519 | 12300 | 47 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 684 | | | | | | | | | 684 | 512 | 10301 | 684 | SY | STRUCTURE REPAIR (SFN 4501470 BRIDGE NO. LIC-16-30.86L) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 35 | | | | | | | | | 35 | 519 | 12300 | 35 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |
| | 654 | | | | | | | | | 654 | 512 | 10301 | 654 | SY | STRUCTURE REPAIR (SFN 4501500 BRIDGE NO. LIC-16-30.86R) SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN | 7 |
| | 33 | | | | | | | | | 33 | 519 | 12300 | 33 | SY | PATCHING CONCRETE BRIDGE DECK - TYPE B | |

Item Removed

DESIGN AGENCY

 DESIGNER
 JKS
 REVIEWER
 JKS 03/18/26
 PROJECT ID
 124808
 SHEET TOTAL
 P.10 57

| PROJECT LOCATIONS | | | | | | BRIDGE | | | | | | | |
|-------------------|--------|--------|---------------|---------|---------------------------|--|---------------|--|-----------------------------------|--|---|--|--|
| | | | | | | 512 | | | 516 | 519 | | | |
| LOCATION | COUNTY | ROUTE | BRIDGE NUMBER | SFN | FEATURES INTERSECTED | SEALING CONCRETE BRIDGE DECKS WITH HMWM, AS PER PLAN | | TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN, AS PER PLAN | 2" DEEP JOINT SEALER, AS PER PLAN | PATCHING CONCRETE BRIDGE DECK - TYPE B | PATCHING CONCRETE STRUCTURES, AS PER PLAN (ABUTMENTS) | PATCHING CONCRETE STRUCTURES, AS PER PLAN (DECK EDGES) | PATCHING CONCRETE STRUCTURES, AS PER PLAN (DECK UNDERSIDE) |
| | | | | | | BRIDGE DECK | APPROACH SLAB | SIDEWALK | | | | | |
| | | | | | | SQ YD | SQ YD | SQ YD | | | | | |
| 1 | FAI | US 22 | 12.43 | 2300184 | HUNTERS RUN | 226 | 178 | | | 21 | | | |
| 2 | FAI | US 22 | 13.58 | 2300257 | HUNTERS RUN | 239 | | 89 | | 17 | 16 | | |
| 3 | FAI | US 22 | 13.85 | 2300273 | HOCKING RIVER | | | 89 | | 5 | | | |
| 4 | FAI | SR 37 | 13.01 | 2301288 | FETTERS RUN | | | | | | | 42 | 35 |
| 5 | FAI | US 33 | 18.33 | 2300834 | BIS RD (CR 90) | 1412 | 200 | | | 17 | | | |
| 6 | FAI | US 33 | 18.87 | 2300869 | ROSS RD (TR 284) | 1132 | 200 | | 94 | 14 | | | |
| 7 | FAI | US 33 | 20.66 R | 2300915 | TARKILN RD (TR 280) | 935 | 289 | | | 25 | | | |
| 8 | FAI | US 33 | 20.66 L | 2300958 | TARKILN RD (TR 280) | 935 | 289 | | | 25 | | | |
| 9 | FAI | US 33 | 20.91 R | 2300974 | CR 33A | 1690 | 289 | | | 20 | | | |
| 10 | FAI | US 33 | 20.91 L | 2301008 | CR 33A | 1690 | 289 | | | 20 | | | |
| 11 | FAI | US 33 | 23.69 R | 2301113 | HOCKING RIVER | 660 | 222 | | | 18 | 14 | | |
| 12 | FAI | US 33 | 23.69 L | 2301083 | HOCKING RIVER | 660 | 222 | | | 18 | 6 | | |
| 13 | LIC | SR 16 | 25.91 L | 4501292 | BOWLING GREEN RUN | 354 | 222 | | 86 | 12 | | | |
| 14 | LIC | SR 16 | 25.91 R | 4501322 | BOWLING GREEN RUN | 354 | 222 | | 86 | 12 | | | |
| 15 | LIC | SR 16 | 29.30 L | 4501381 | ROCKY FORK CREEK | 643 | 222 | | | 18 | 25 | | |
| 16 | LIC | SR 16 | 29.30 R | 4501411 | ROCKY FORK CREEK | 706 | 244 | | | 19 | | | |
| 17 | LIC | SR 16 | 29.84 | 4501446 | SEVEN HILLS RD (TR 232) | 834 | 100 | | | 47 | | | |
| 18 | LIC | SR 16 | 30.86 L | 4501470 | SR 146 | 684 | | | | 35 | | | |
| 19 | LIC | SR 16 | 30.86 R | 4501500 | SR 146 | 654 | | | | 33 | | | |
| 21 | LIC | SR 16 | 32.72 R | 4501551 | BRANCH OF BLACK RUN | 371 | 233 | | 97 | 31 | | | |
| 22 | MUS | SR 16 | 00.29 L | 6000037 | CUOH RAILROAD | 949 | 236 | | 111 | 24 | | | |
| 23 | MUS | SR 16 | 00.29 R | 6000045 | CUOH RAILROAD | 934 | 234 | | 110 | 24 | 5 | | |
| 24 | PER | SR 669 | 7.02 | 6403573 | BUCKEYE FK OF JONATHAN CR | 319 | | | | 16 | | | |
| SUB-TOTAL | | | | | | 16381 | 3891 | 178 | 584 | 471 | 66 | 42 | 35 |
| TOTAL | | | | | | 20272 | | | | | | | |

STRUCTURES SUBSUMMARY

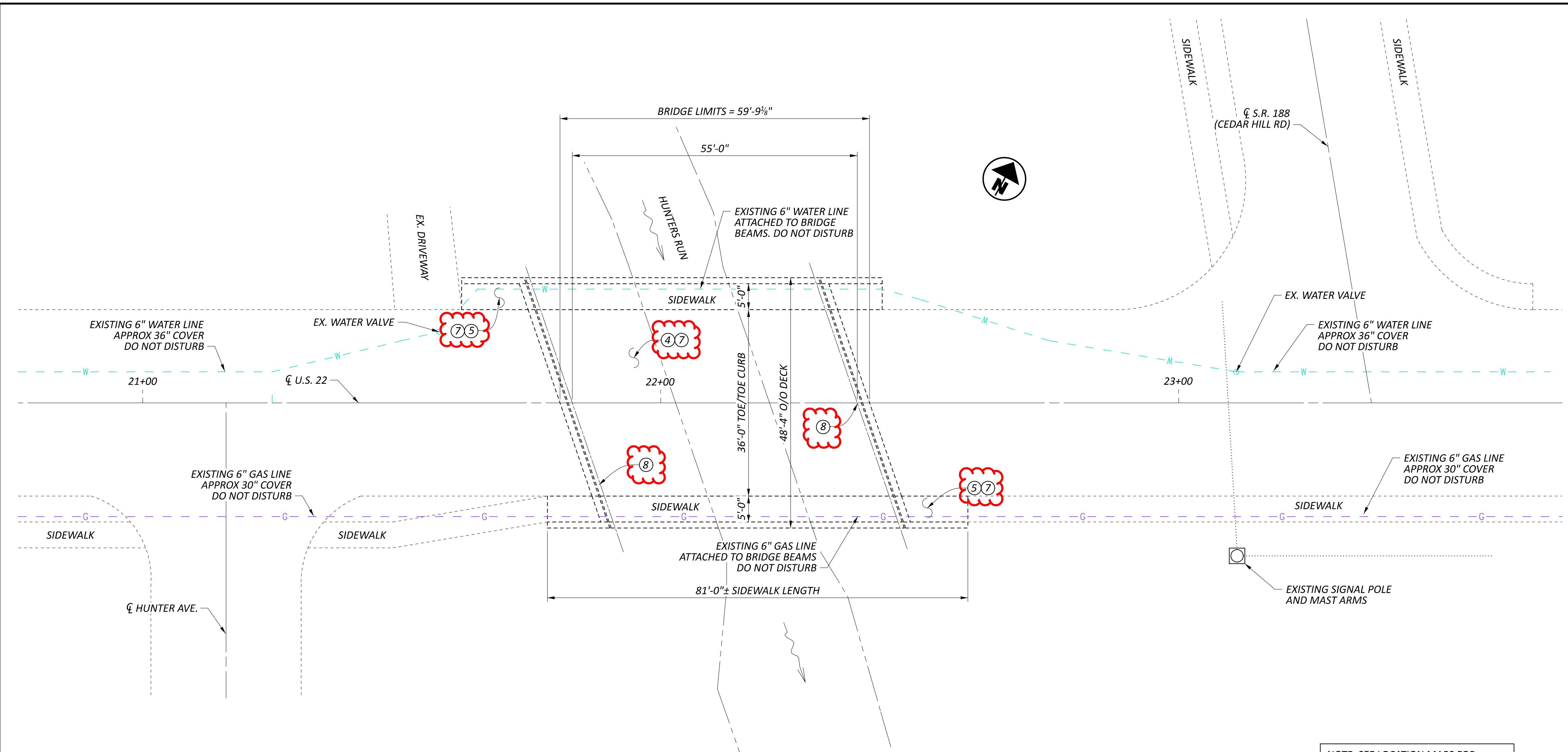


- ① **ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM**
- ① **ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM**
- ② **ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED**
- ③ **ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN**
- ③ **ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED**
- ③ **ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR**
- ④ **ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN**
- ⑤ **ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN**
- ⑥ **ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN**
- ⑦ **ITEM 519 - PATCHING BRIDGE DECKS, TYPE B**
- ⑧ **ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)**
- ⑨ **ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)**
- ⑩ **ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)**

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | COMPOSITE PRESTRESSED BOX BEAM ON REINFORCED CONCRETE ABUTMENTS |
| SPANS: | 49'-5" C/C BEARINGS |
| ROADWAY: | 40'-0" F/F BRIDGE RAIL |
| LOADING: | HS20-44 WITH ALTERNATE MILITARY |
| SKEW: | 30° RIGHT FORWARD |
| WEARING SURFACE: | MONOLITHIC CONCRETE |
| APPROACH SLABS: | 20' LONG (AS-1-81M) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | 1952 WITH 1999 REHAB |
| DISPOSITION: | PATCH AND SEAL DECK AND APPROACH SLABS, REPAIR PMEJ |

GENERAL PLAN
 BRIDGE NO. FAI-22-12.43
 US 22 OVER HUNTERS RUN

| | |
|---------------|---------|
| SFN | 2300184 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 1 | 44 |
| SHEET | TOTAL |
| P.14 | 57 |



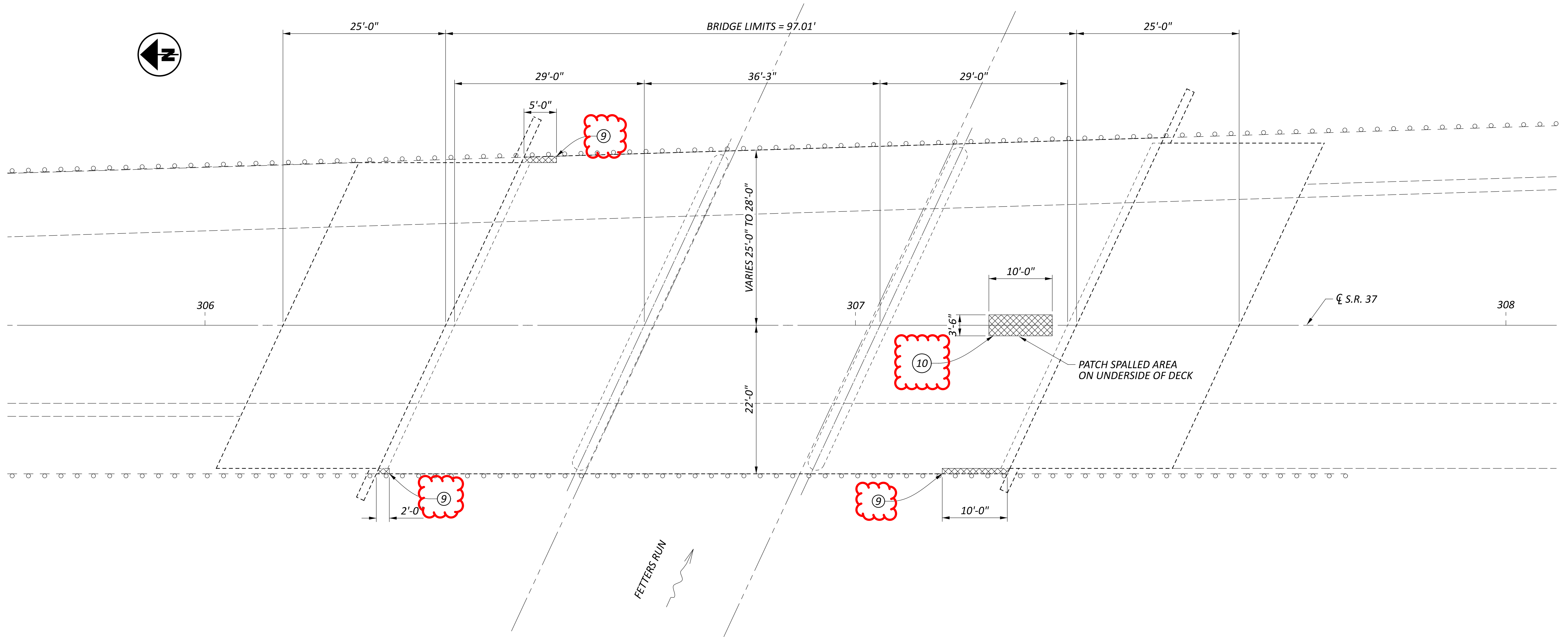
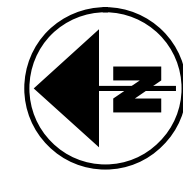
- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ① ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ② ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ③ ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

NOTE: SEE LOCATION MAPS FOR UTILITY CONTACT INFORMATION

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | COMPOSITE STEEL BEAM WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 55'-0" C/C BEARINGS |
| ROADWAY: | 36'-0" F/F CURB WITH 5 FOOT SIDEWALKS |
| LOADING: | HS20-44 WITH ALTERNATE MILITARY |
| SKEW: | 18° 54' RIGHT FORWARD |
| WEARING SURFACE: | 1" MONOLITHIC CONCRETE |
| APPROACH SLABS: | 15' LONG (AS-1-81) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | 1988 |
| DISPOSITION: | PATCH AND SEAL DECK AND SIDEWALKS, PATCH ABUTMENTS |

GENERAL PLAN
BRIDGE NO. FAI-22-13.58
US 22 OVER HUNTERS RUN

| | |
|---------------|---------|
| SFN | 2300257 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 3 | 44 |
| SHEET | |
| TOTAL | |
| P.16 | 57 |



- ① ITEM 202 - REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ① ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ② ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ③ ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ③ ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | CONTINUOUS CONCRETE SLAB WITH CAPPED PILE SUBSTRUCTURES |
| SPANS: | 29' - 36.25' - 29' |
| ROADWAY: | VARIES 47' TO 50' F/F GUARDRAIL |
| LOADING: | HS20-44 & INTERSTATE ALTERNATE |
| SKIEW: | 25° LEFT FORWARD FROM CHORD |
| WEARING SURFACE: | 2.5"± ASPHALT CONCRETE |
| APPROACH SLABS: | 25' LONG (AS-1-72) |
| ALIGNMENT: | 2° RIGHT CURVE |
| CROWN: | .047'/' SUPERELEVATION |
| DATE BUILT: | 1979 |
| DISPOSITION: | PATCH UNDERSIDE OF DECK AND DECK EDGES |

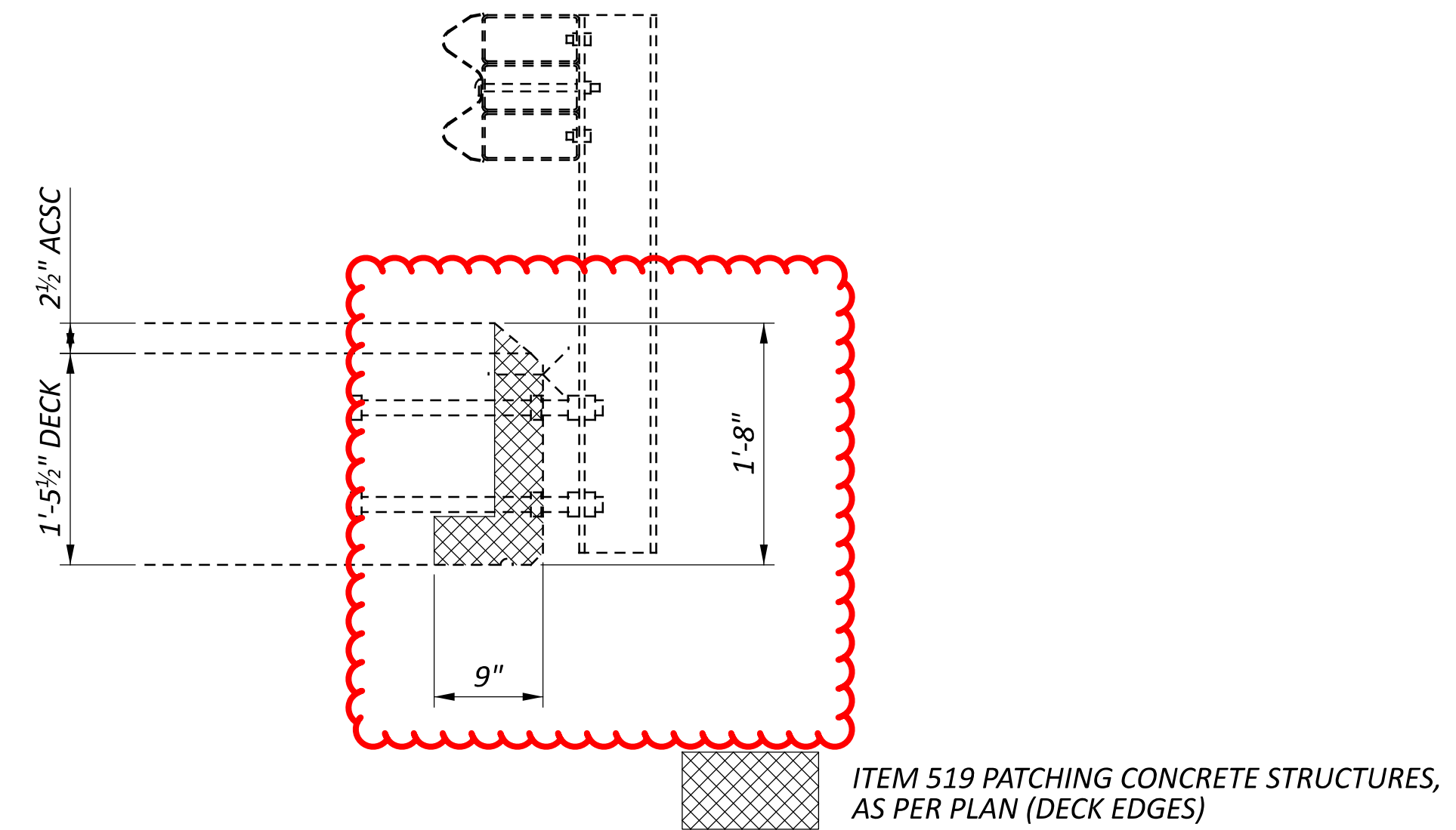
| | |
|--------------|---------|
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 11 | 44 |
| SHEET | TOTAL |
| P.24 | 57 |

GENERAL PLAN
 BRIDGE NO. FAI-37-13.01
 SR 37 OVER FETERS RUN

SFN 2301288
 DESIGN AGENCY

| ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN (DECK EDGES) | | | | | | | | | |
|---|---|---|----|--|--------|--|---|------|-------|
| DESCRIPTION | # | | L | | W | | | C.F. | SQ FT |
| RIGHT REAR | 1 | x | 2 | | 2.4167 | | x | ÷ | 4.8 |
| RIGHT FORWARD | 1 | x | 10 | | 2.4167 | | x | ÷ | 24.2 |
| LEFT REAR | 1 | x | 5 | | 2.4167 | | x | ÷ | 12.1 |
| | | x | | | | | x | ÷ | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | 42 |

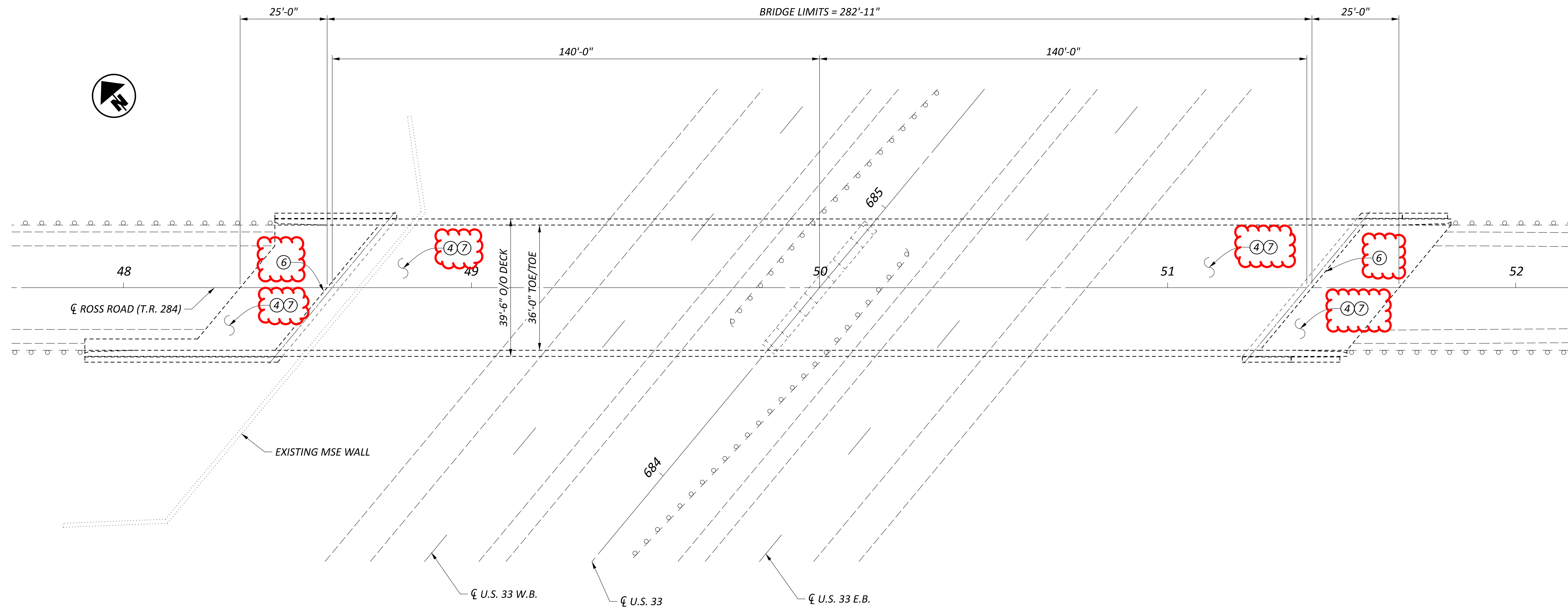
| ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN (DECK UNDERSIDE) | | | | | | | | | |
|---|---|---|----|--|-----|--|---|------|-------|
| DESCRIPTION | # | | L | | W | | | C.F. | SQ FT |
| SPAN 3 AT CENTERLINE | 1 | x | 10 | | 3.5 | | x | ÷ | 35.0 |
| | | x | | | | | x | ÷ | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | 35 |



DECK EDGE PATCHING DETAIL

ESTIMATED QUANTITIES
 BRIDGE NO. FAI-37-13.01
 SR 37 OVER FETTERS RUN

| | |
|---------------|---------|
| SFN | |
| 2301288 | |
| DESIGN AGENCY | |
| | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 12 | 44 |
| SHEET | TOTAL |
| P.25 | 57 |

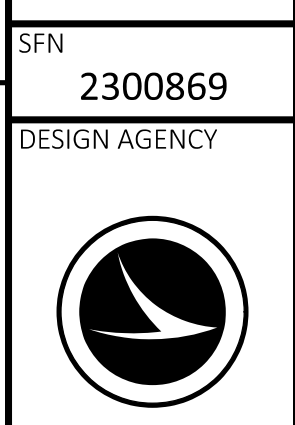


- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ① ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ① ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ② ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | PRESTRESSED CONCRETE 90" BULB-T GIRDERS WITH COMPOSITE DECK, HAMMERHEAD WALL PIERS, AND SEMI-INTEGRAL ABUTMENTS |
| SPANS: | 138'-9.5" - 138'-9.5" C/C BEARINGS |
| ROADWAY: | 36'-0" TOE/TOE PARAPETS |
| LOADING: | HS25 AND ALTERNATE MILITARY |
| SKIEW: | 39° 42' 31" LEFT FORWARD |
| WEARING SURFACE: | 1" MONOLITHIC CONCRETE |
| APPROACH SLABS: | 25' LONG (AS-1-81) |
| ALIGNMENT: | TANGENT |
| CROWN: | VARIABLES |
| DATE BUILT: | 2002 |
| DISPOSITION: | PATCH AND SEAL DECK AND APPROACH SLABS |

| | |
|--------------|---------|
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 15 | 44 |
| SHEET TOTAL | |
| P.28 | 57 |

GENERAL PLAN
 BRIDGE NO. FAI-33-18.87
 ROSS RD (TR 284) OVER US 33



| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | | | |
|--|---|---|--------|---|----|---|--|--|------|---|---|--------|
| DESCRIPTION | # | | L | | W | | | | C.F. | | | SQ YD |
| BRIDGE DECK | 1 | x | 282.92 | x | 36 | x | | | ÷ | 9 | = | 1131.7 |
| APPROACH SLABS | 2 | x | 25 | x | 36 | x | | | ÷ | 9 | = | 200.0 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 1332 |

| ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN | | | | | | | | | | | | |
|--|---|---|---------|---|--|---|--|--|------|---|---|------|
| DESCRIPTION | # | | L | | | | | | C.F. | | | FT |
| APPROACH SLABS | 2 | x | 46.8333 | x | | x | | | ÷ | 1 | = | 93.7 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 94 |

| ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B | | | | | | | | | | | | |
|---|----|---|--------|---|----|---|--|--|------|---|---|-------|
| DESCRIPTION | % | | L | | W | | | | C.F. | | | SQ YD |
| BRIDGE DECK | 1% | x | 282.92 | x | 36 | x | | | ÷ | 9 | = | 11.3 |
| APPROACH SLABS | 1% | x | 50 | x | 36 | x | | | ÷ | 9 | = | 2.0 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 14 |

| ITEM 614 - WORK ZONE CENTER LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | | | |
|--|---|---|--------|---|--|---|--|--|------|------|---|------|
| DESCRIPTION | # | | L | | | | | | C.F. | | | MILE |
| BRIDGE DECK | 1 | x | 282.92 | x | | x | | | ÷ | 5280 | = | 0.05 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | ÷ | 5280 | = | 0.01 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.06 |

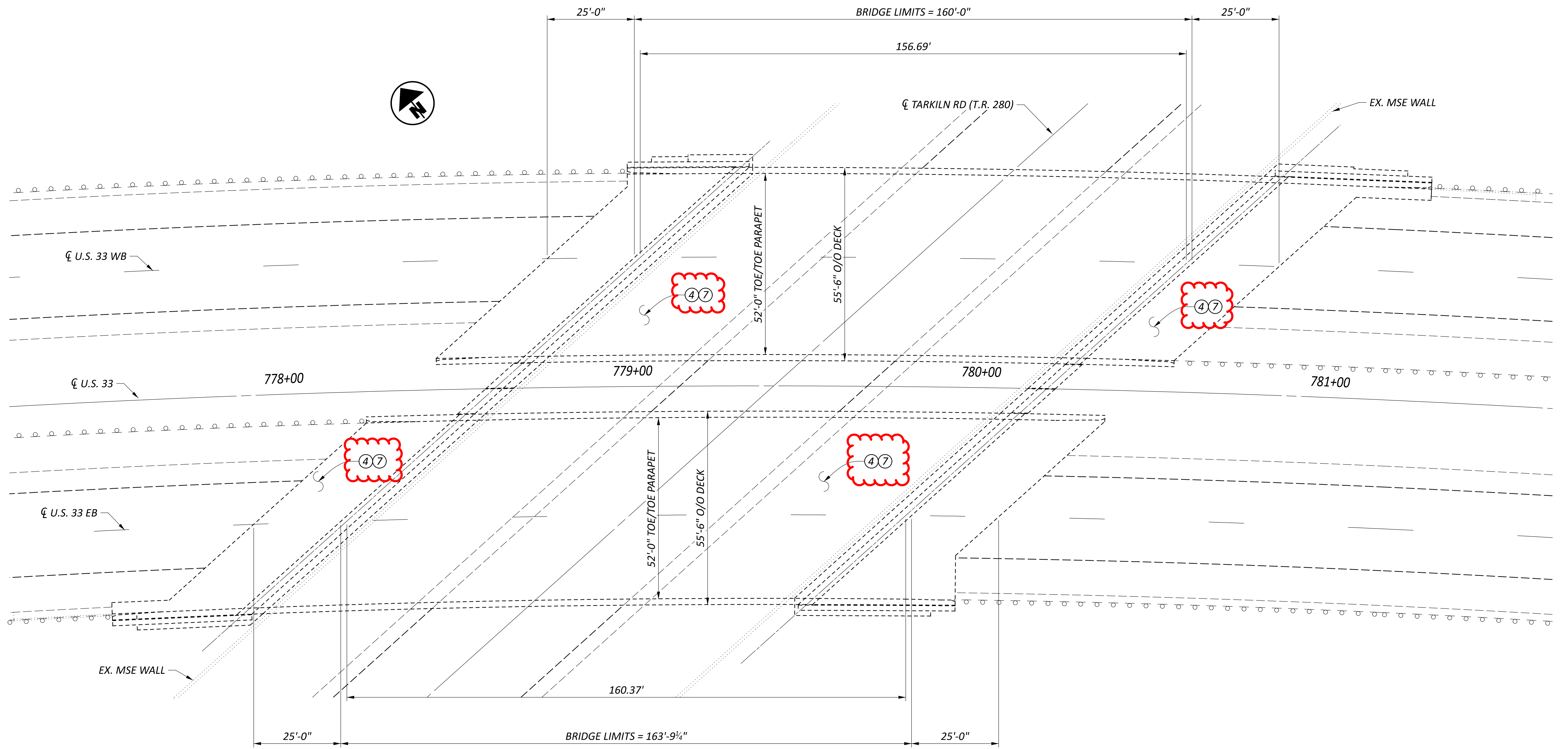
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 642 PAINT | | | | | | | | | | | | |
|--|---|---|--------|---|--|---|--|--|------|------|---|------|
| DESCRIPTION | # | | L | | | | | | C.F. | | | MILE |
| BRIDGE DECK | 2 | x | 282.92 | x | | x | | | ÷ | 5280 | = | 0.11 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | ÷ | 5280 | = | 0.02 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.13 |

| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | | | |
|------------------------------------|---|---|--------|---|--|---|--|--|------|------|---|------|
| DESCRIPTION | # | | L | | | | | | C.F. | | | MILE |
| BRIDGE DECK | 2 | x | 282.92 | x | | x | | | ÷ | 5280 | = | 0.11 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | ÷ | 5280 | = | 0.02 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.13 |

| ITEM 642 - CENTER LINE, TYPE 1 | | | | | | | | | | | | |
|------------------------------------|---|---|--------|---|--|---|--|--|------|------|---|------|
| DESCRIPTION | # | | L | | | | | | C.F. | | | MILE |
| BRIDGE DECK | 1 | x | 282.92 | x | | x | | | ÷ | 5280 | = | 0.05 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | ÷ | 5280 | = | 0.01 |
| | | x | | x | | x | | | ÷ | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.06 |

ESTIMATED QUANTITIES
 BRIDGE NO. FAI-33-18.87
 ROSS RD (TR 284) OVER US 33

| | |
|---------------|---------|
| SFN | 2300869 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 16 | 44 |
| SHEET | TOTAL |
| P.29 | 57 |

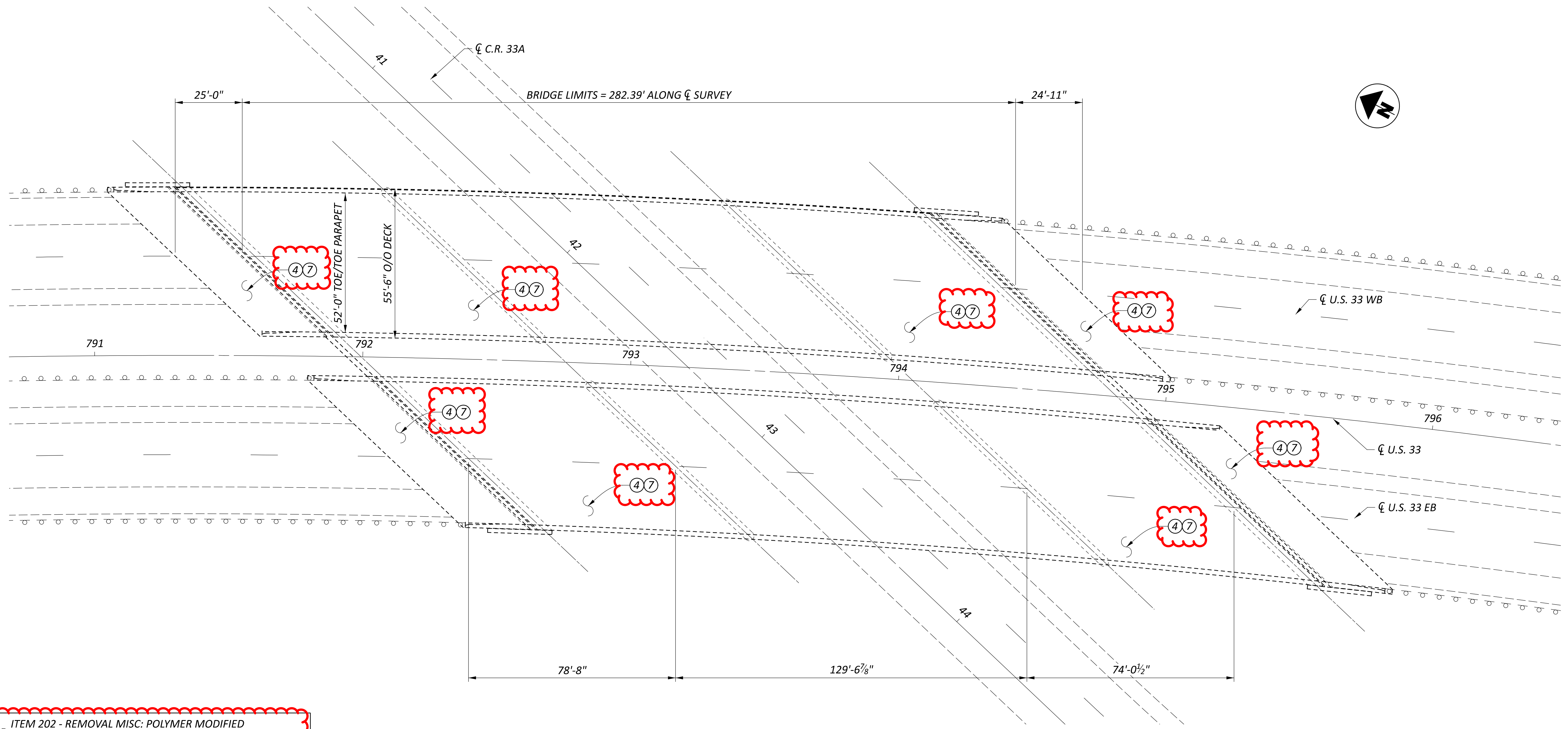


- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ② ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ③ ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ④ ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ⑤ ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ⑥ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ⑦ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑧ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑨ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑩ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑪ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑫ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑬ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | POST TENSIONED 90" CONCRETE BULB-T GIRDERS WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 156.69' (LEFT) AND 160.37' (RIGHT) C/C BRGS ALONG REFERENCE CHORD |
| ROADWAY: | 52'-0" TOE/TOE PARAPET |
| LOADING: | HS25 AND ALTERNATE MILITARY |
| SKIEW: | 48° 01' 09" LEFT FORWARD |
| WEARING SURFACE: | 1" MONOLITHIC CONCRETE |
| APPROACH SLABS: | 25' LONG (AS-1-81 MODIFIED) |
| ALIGNMENT: | 01° 27' 18" RIGHT CURVE |
| CROWN: | 0.052 ' /' SUPERELEVATED |
| DATE BUILT: | 2002 |
| DISPOSITION: | PATCH DECK AND APPROACH SLABS SEAL WITH HMWM |

| | |
|---------------|----------|
| SFN | 2300915 |
| SFN | 2300958 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS | 03/18/26 |
| PROJECT ID | 124808 |
| SUBSET | TOTAL |
| 17 | 44 |
| SHEET | TOTAL |
| P.30 | 57 |

GENERAL PLAN
BRIDGE NO. FAI-33-20.66 L&R
US 33 OVER TARKILN RD (TR 280)

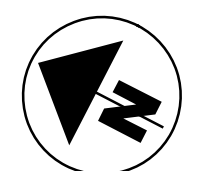


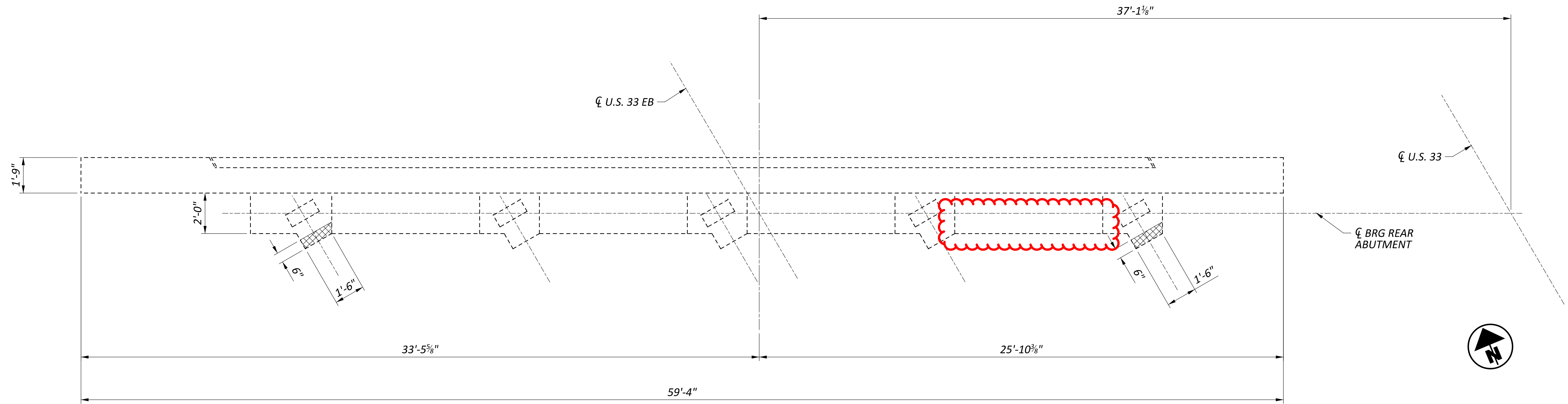
- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
 ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|--|
| TYPE: | CONTINUOUS COMPOSITE STEEL GIRDER WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 78'-8", 129'-6 7/8", 74'-0 1/2" C/C BRGS ALONG REFERENCE CHORD & C U.S. 33 |
| ROADWAY: | 52'-0" TOE/TOE PARAPETS |
| LOADING: | HS25 AND ALTERNATE MILITARY |
| SKIEW: | 49° 35' 11" RIGHT FORWARD |
| WEARING SURFACE: | MONOLITHIC CONCRETE |
| APPROACH SLABS: | 25' LONG (AS-1-81) |
| ALIGNMENT: | 01° 27' 18" RIGHT CURVE |
| CROWN: | VARIES |
| DATE BUILT: | 2003 |
| DISPOSITION: | PATCH AND SEAL DECK AND APPROACH SLABS |

| | |
|------------|----------|
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS | 03/18/26 |
| PROJECT ID | 124808 |
| SUBSET | TOTAL |
| 19 | 44 |
| SHEET | TOTAL |
| P.32 | 57 |

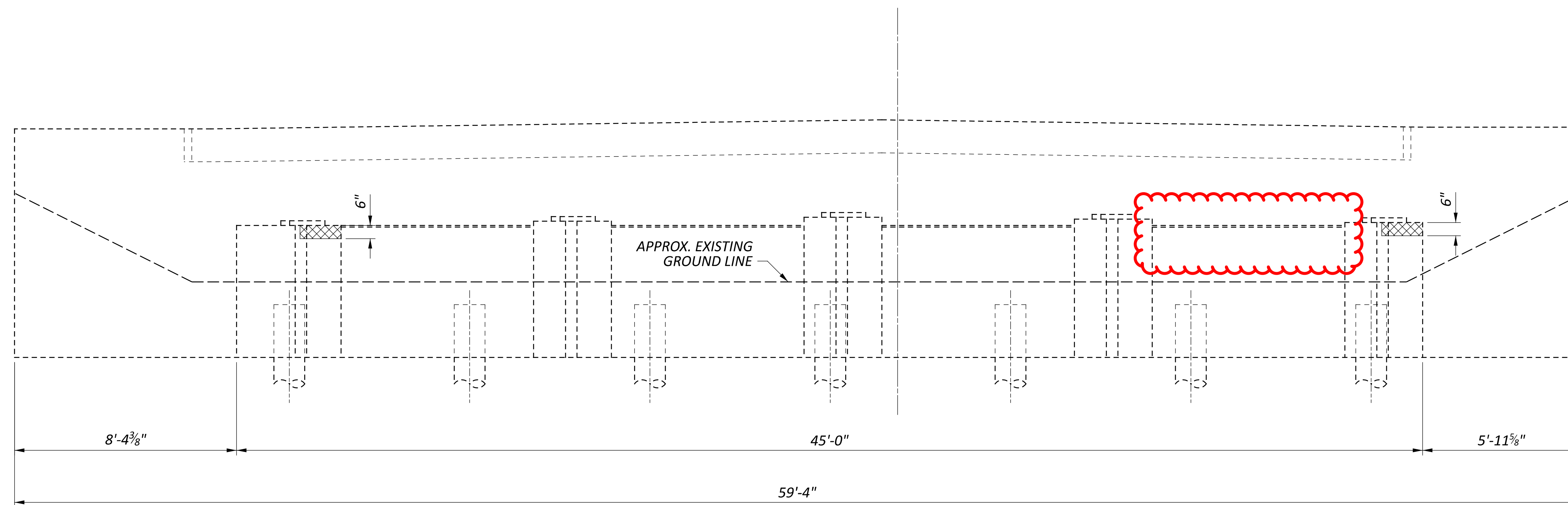
GENERAL PLAN
 BRIDGE NO. FAI-33-20.91 L&R
 US 33 OVER CR 33A





FAI-33-23.69R (SFN 2301113) REAR ABUTMENT

ITEM 519 PATCHING CONCRETE STRUCTURES, A.P.P. (ABUTMENTS)



FAI-33-23.69 R REAR ABUTMENT

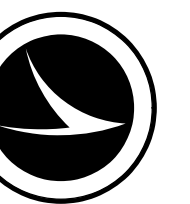


REAR ABUTMENT
 BRIDGE NO. FAI-33-23.69 R
 US 33 EB OVER HOCKING RIVER

SFN 2301083

SFN 2301113

DESIGN AGENCY



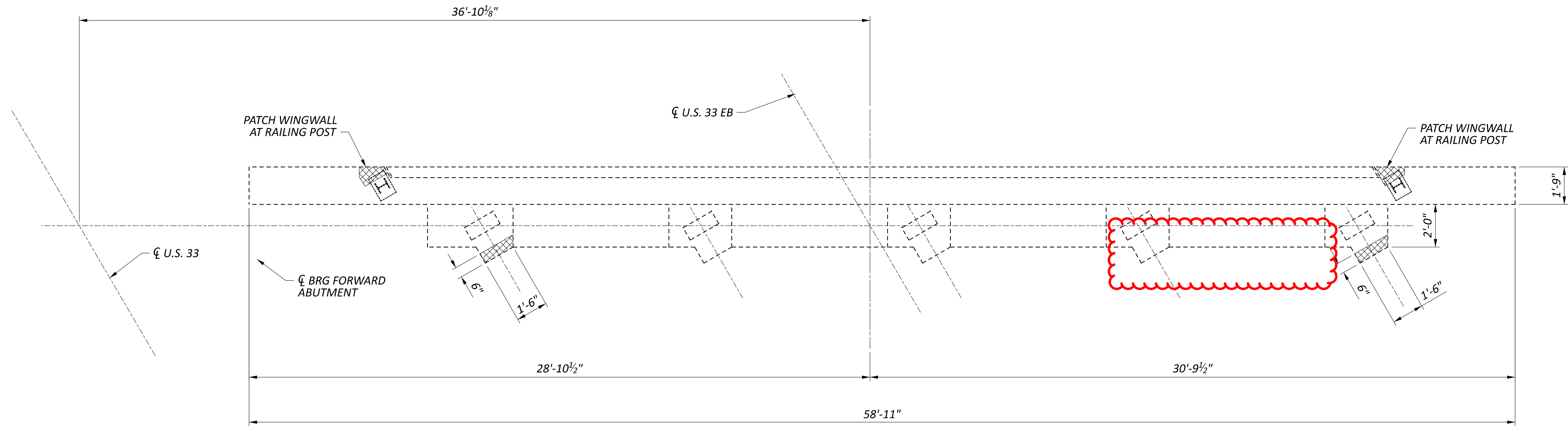
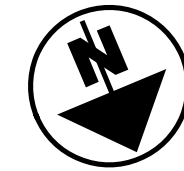
DESIGNER JKS CHECKER TAG

REVIEWER JKS 03/18/26

PROJECT ID 124808

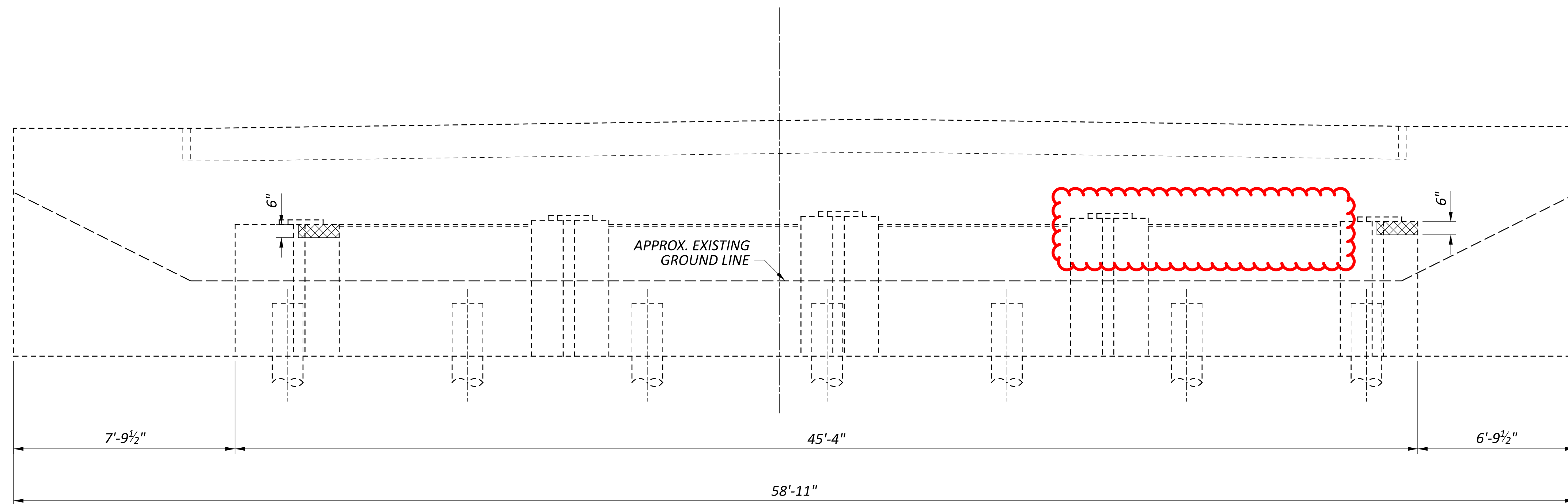
SUBSET TOTAL 22 44

SHEET TOTAL P.35 57



FAI-33-23.69 R (SFN 2301113) FORWARD ABUTMENT

 ITEM 519 PATCHING CONCRETE STRUCTURES, A.P.P. (ABUTMENTS)



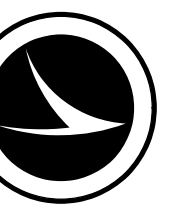
FAI-33-23.69 R FORWARD ABUTMENT

FORWARD ABUTMENT
 BRIDGE NO. FAI-33-23.69 R
 US 33 EB OVER HOCKING RIVER

SFN 2301083

SFN 2301113

DESIGN AGENCY



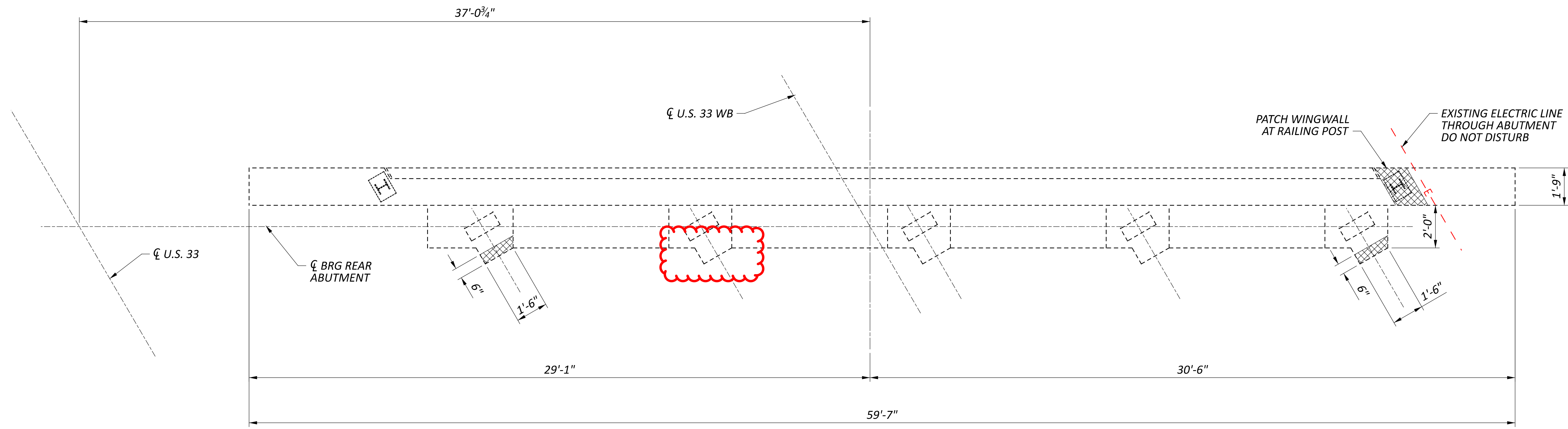
DESIGNER: JKS
 CHECKER: TAG

REVIEWER: JKS 03/18/26

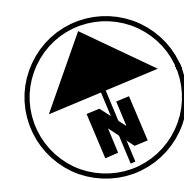
PROJECT ID: 124808

| | |
|--------|-------|
| SUBSET | TOTAL |
| 23 | 44 |

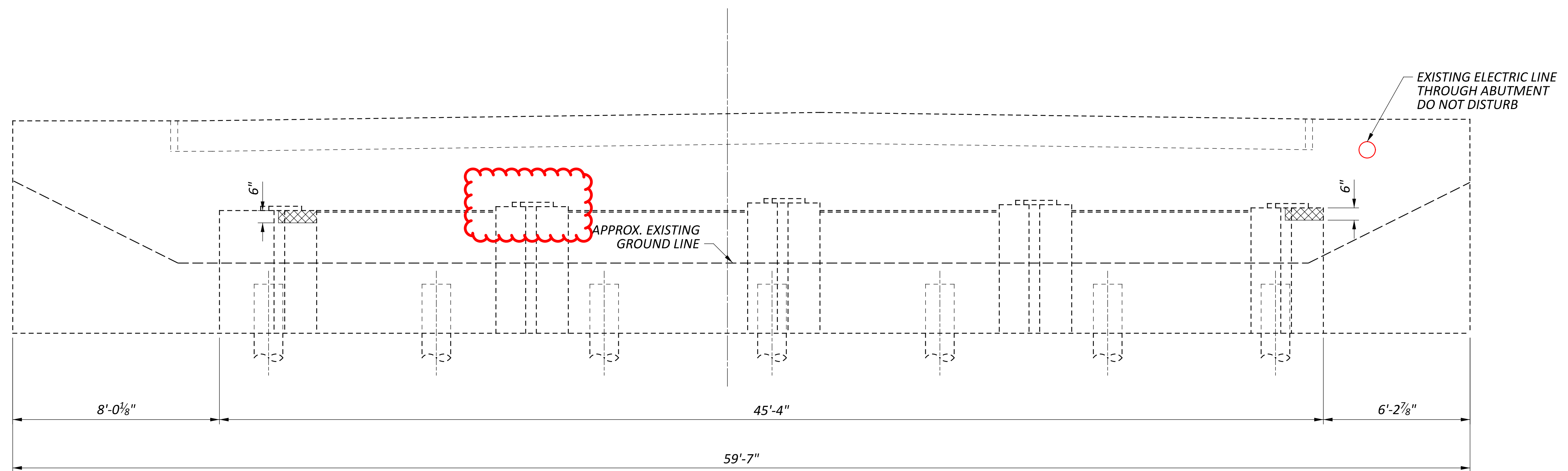
| | |
|-------|-------|
| SHEET | TOTAL |
| P.36 | 57 |



FAI-33-23.69 L (SFN 2301083) REAR ABUTMENT



 ITEM 519 PATCHING CONCRETE STRUCTURES, A.P.P. (ABUTMENTS)



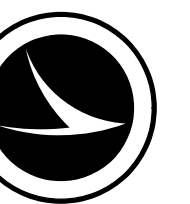
FAI-33-23.69 L REAR ABUTMENT

REAR ABUTMENT
 BRIDGE NO. FAI-33-23.69 L
 US 33 WB OVER HOCKING RIVER

SFN 2301083

SFN 2301113

DESIGN AGENCY



DESIGNER JKS CHECKER TAG

REVIEWER JKS 03/18/26

PROJECT ID 124808

SUBSET TOTAL 24 44

SHEET TOTAL P.37 57

| ITEM 202 - REMOVAL, MISC.: PORTIONS OF DECK END REMOVED | | | | | | | | | | |
|--|----|---|-------|--|---|----|---|---|------|------------|
| DESCRIPTION | # | | L | | W | | T | | C.F. | CU YD |
| DECK ENDS | 2 | x | 22 | | x | 5 | | x | 0.5 | ÷ 27 = 4.1 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 5 |
| ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR | | | | | | | | | | |
| DESCRIPTION | # | | L | | W | | T | | C.F. | CU YD |
| DECK ENDS | 2 | x | 22 | | x | 5 | | x | 0.5 | ÷ 27 = 4.1 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 5 |
| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | |
| DESCRIPTION | # | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 1 | x | 79.58 | | x | 40 | | x | 9 | ÷ = 353.7 |
| APPROACH SLABS | 2 | x | 25 | | x | 40 | | x | 9 | ÷ = 222.2 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 576 |
| ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | FT |
| APPROACH SLABS | 2 | x | 43 | | | | | x | 1 | ÷ = 86 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 86 |
| ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B | | | | | | | | | | |
| DESCRIPTION | % | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 2% | x | 79.58 | | x | 40 | | x | 9 | ÷ = 7.1 |
| APPROACH SLABS | 2% | x | 50 | | x | 40 | | x | 9 | ÷ = 4.4 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 12 |
| ITEM 614 - WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 79.58 | | | | | x | 5280 | ÷ = 0.02 |
| APPROACH SLABS | 2 | x | 25 | | | | | x | 5280 | ÷ = 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.02 |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 79.58 | | | | | x | 5280 | ÷ = 0.03 |
| APPROACH SLABS | 4 | x | 25 | | | | | x | 5280 | ÷ = 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 79.58 | | | | | x | 5280 | ÷ = 0.03 |
| APPROACH SLABS | 4 | x | 25 | | | | | x | 5280 | ÷ = 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 642 - LANE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 79.58 | | | | | x | 5280 | ÷ = 0.02 |
| APPROACH SLABS | 2 | x | 25 | | | | | x | 5280 | ÷ = 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.02 |

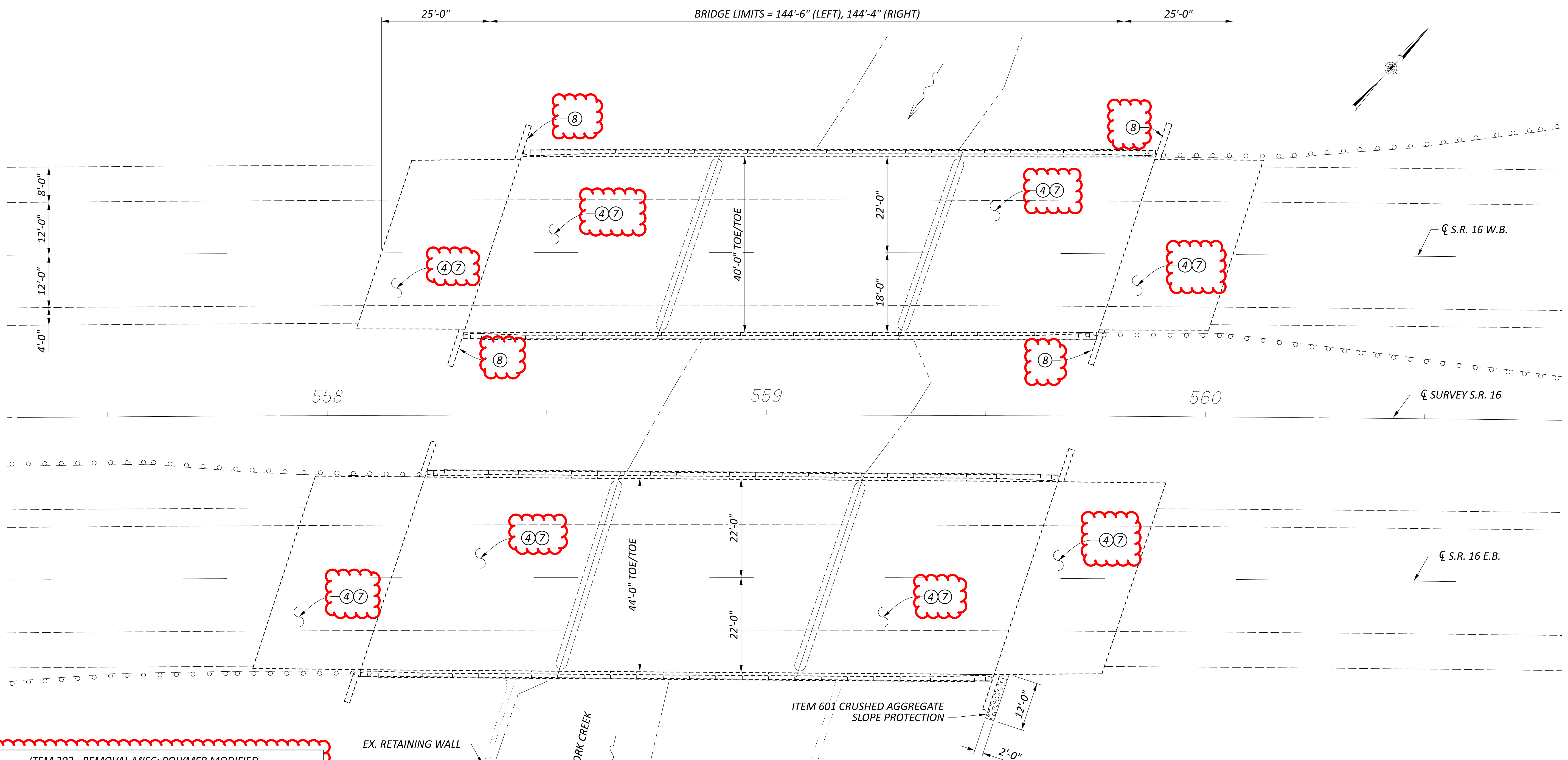
LIC-16-25.91 L
 SFN 4501292

LIC-16-25.91 R
 SFN 4501322

| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | |
|--|----|---|-------|--|---|----|--|---|------|-----------|
| DESCRIPTION | # | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 1 | x | 79.58 | | x | 40 | | x | 9 | ÷ = 353.7 |
| APPROACH SLABS | 2 | x | 25 | | x | 40 | | x | 9 | ÷ = 222.2 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 576 |
| ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | FT |
| APPROACH SLABS | 2 | x | 43 | | | | | x | 1 | ÷ = 86 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 86 |
| ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B | | | | | | | | | | |
| DESCRIPTION | % | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 2% | x | 79.58 | | x | 40 | | x | 9 | ÷ = 7.1 |
| APPROACH SLABS | 2% | x | 50 | | x | 40 | | x | 9 | ÷ = 4.4 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 12 |
| ITEM 614 - WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 79.58 | | | | | x | 5280 | ÷ = 0.02 |
| APPROACH SLABS | 2 | x | 25 | | | | | x | 5280 | ÷ = 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.02 |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 79.58 | | | | | x | 5280 | ÷ = 0.03 |
| APPROACH SLABS | 4 | x | 25 | | | | | x | 5280 | ÷ = 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 79.58 | | | | | x | 5280 | ÷ = 0.03 |
| APPROACH SLABS | 4 | x | 25 | | | | | x | 5280 | ÷ = 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 642 - LANE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 79.58 | | | | | x | 5280 | ÷ = 0.02 |
| APPROACH SLABS | 2 | x | 25 | | | | | x | 5280 | ÷ = 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.02 |

ESTIMATED QUANTITIES
 BRIDGE NO. LIC-16-25.91 L&R
 SR 16 OVER BOWLING GREEN RUN

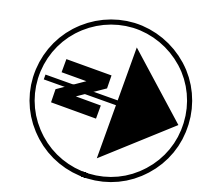
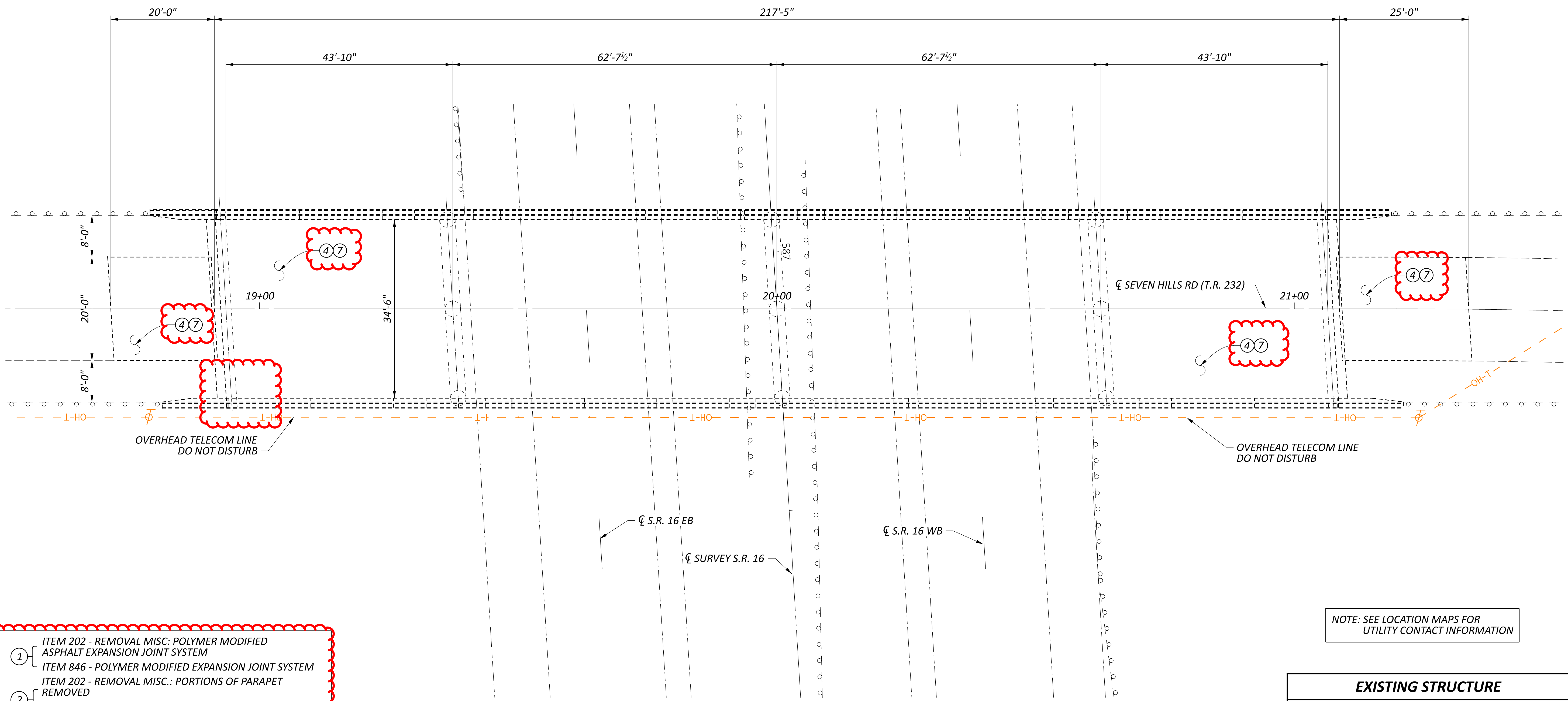
| | |
|---------------|---------|
| SFN | 4501292 |
| SFN | 4501322 |
| DESIGN AGENCY | |
| DESIGNER | JKS |
| CHECKER | TAG |
| REVIEWER | JKS |
| PROJECT ID | 124808 |
| SUBSET | 28 |
| TOTAL | 44 |
| SHEET | P.41 |
| TOTAL | 57 |



- ① ITEM 202 - REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
 ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | | SFN |
|---|--|--------------------|
| | | 4501381 |
| TYPE: CONTINUOUS CONCRETE SLAB WITH CAPPED PILE SUBSTRUCTURES | | SFN 4501411 |
| SPANS: 44' - 55' - 44' | | DESIGN AGENCY |
| ROADWAY: LEFT- 40'-0" T/T PARAPET RIGHT- 44'-0" T/T PARAPET | | |
| LOADING: LEFT- HS20-44; RIGHT- CF-400 (57) | | |
| SKEW: 18° LEFT FORWARD | | DESIGNER: JKS |
| WEARING SURFACE: 2" SDC OVERLAY | | CHECKER: TAG |
| APPROACH SLABS: 25' LONG (AS-1-81) | | REVIEWER: JKS |
| ALIGNMENT: 0° 20' RIGHT CURVE | | PROJECT ID: 124808 |
| CROWN: 0.016 '/' | | SUBSET: 29 |
| DATE BUILT: LEFT- 1971; RIGHT- 1960 | | TOTAL: 44 |
| DISPOSITION: PATCH DECK AND APPROACH SLABS SEAL WITH HMWM, PATCH WINGWALLS | | SHEET: P.42 |
| | | TOTAL: 57 |

GENERAL PLAN
 BRIDGE NO. LIC-16-29.30 L&R
 SR 16 OVER ROCKY FORK CREEK



- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ① ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ② ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ③ ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

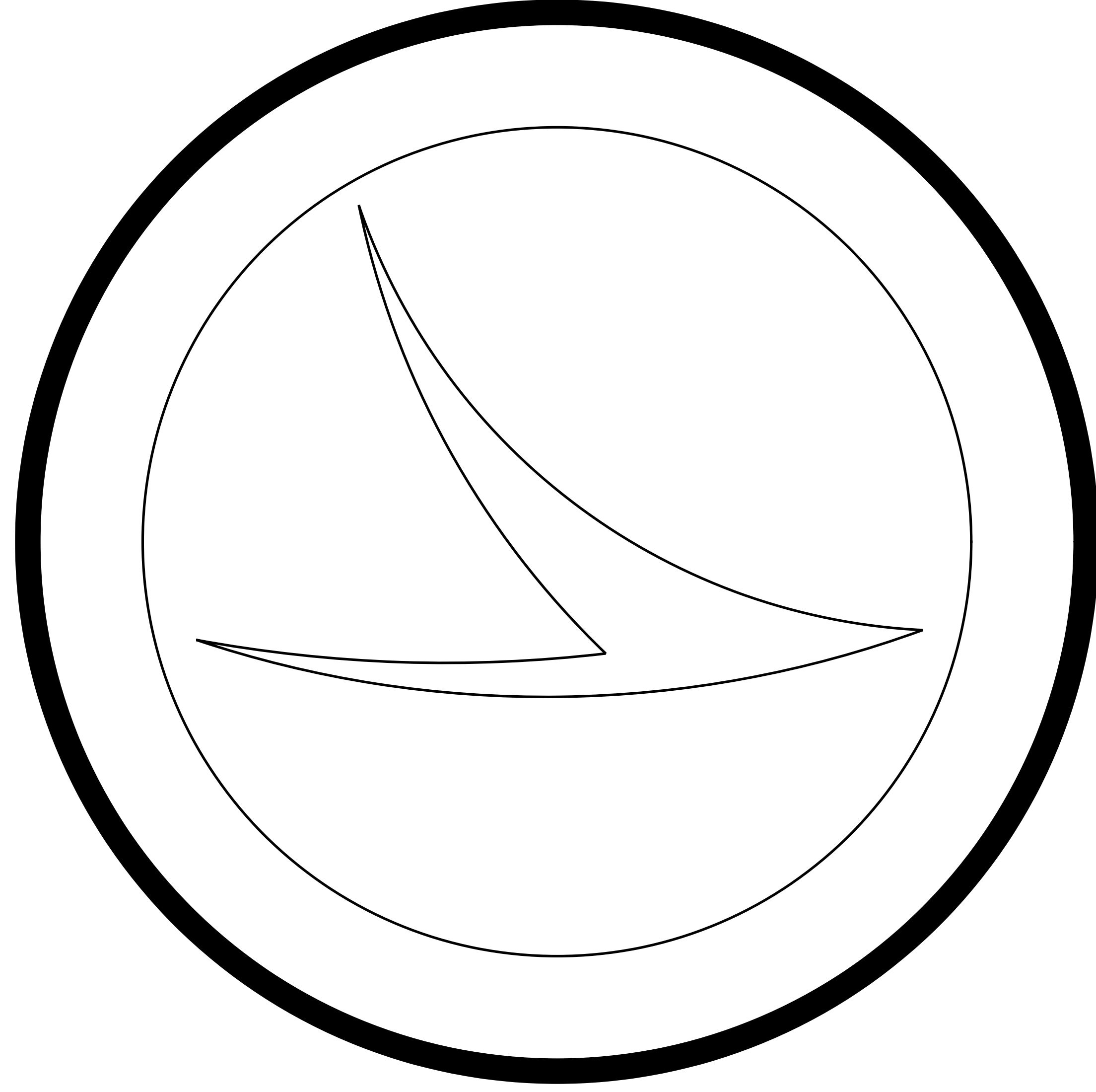
NOTE: SEE LOCATION MAPS FOR UTILITY CONTACT INFORMATION

| EXISTING STRUCTURE | |
|--------------------|--|
| TYPE: | CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 43.83' - 62.63' - 62.63' - 43.83' C/C BRGS |
| ROADWAY: | 34'-6" TOE/TOE PARAPETS |
| LOADING: | HS20-44 |
| SKEW: | 3° 30' RIGHT FORWARD |
| WEARING SURFACE: | 1" MONLITHIC CONCRETE |
| APPROACH SLABS: | 20' REAR, 25' FWD (AS-1-67) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | 1971 |
| DISPOSITION: | PATCH DECK AND APPROACH SLABS SEAL WITH HMWM |

GENERAL PLAN
 BRIDGE NO. LIC-16-29.84
 SEVEN HILLS RD (TR 232) OVER SR 16

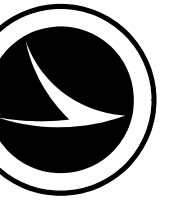
| | |
|------------|----------|
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS | 03/18/26 |
| PROJECT ID | 124808 |
| SUBSET | TOTAL |
| 33 | 44 |
| SHEET | TOTAL |
| P.46 | 57 |

SHEET NOT USED



SFN
4501446

DESIGN AGENCY



| | |
|----------|---------|
| DESIGNER | CHECKER |
| JKS | TAG |

| | |
|----------|----------|
| REVIEWER | |
| JKS | 03/18/26 |

| | |
|------------|--|
| PROJECT ID | |
| 124808 | |

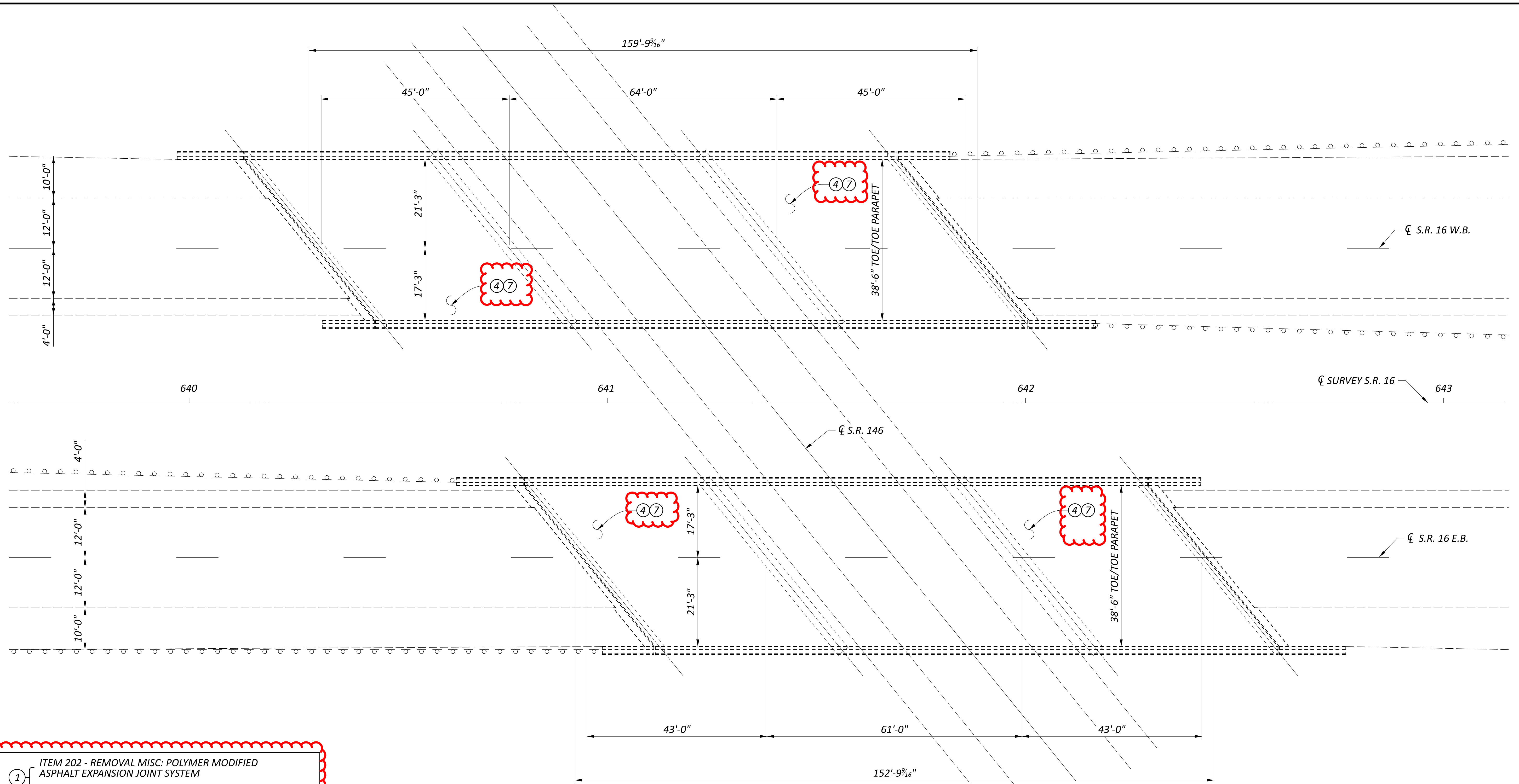
| | |
|--------|-------|
| SUBSET | TOTAL |
| 34 | 44 |

| | |
|-------|-------|
| SHEET | TOTAL |
| P.47 | 57 |

REAR ABUTMENT
BRIDGE NO. LIC-16-29.84
SEVEN HILLS RD (TR 232) OVER SR 16

| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | | | |
|--|----|---|--------|---|------|---|--|--|--|------|---|-------|
| DESCRIPTION | # | | L | | W | | | | | C.F. | | SQ YD |
| BRIDGE DECK | 1 | x | 217.42 | x | 34.5 | x | | | | 9 | = | 833.4 |
| APPROACH SLABS | 2 | x | 22.5 | x | 20 | x | | | | 9 | = | 100.0 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 934 |
| ITEM 513 - PATCHING CONCRETE BRIDGE DECK TYPE B | | | | | | | | | | | | |
| DESCRIPTION | % | | L | | W | | | | | C.F. | | SQ YD |
| BRIDGE DECK | 5% | x | 217.42 | x | 34.5 | x | | | | 9 | = | 41.7 |
| APPROACH SLABS | 5% | x | 45 | x | 20 | x | | | | 9 | = | 5.0 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 47 |
| ITEM 614 - WORK ZONE CENTER LINE, CLASS III, 642 PAINT | | | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | | C.F. | | MILE |
| BRIDGE DECK | 1 | x | 217.42 | x | | x | | | | 5280 | = | 0.04 |
| APPROACH SLABS | 2 | x | 22.5 | x | | x | | | | 5280 | = | 0.01 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.05 |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | | C.F. | | MILE |
| BRIDGE DECK | 2 | x | 217.42 | x | | x | | | | 5280 | = | 0.08 |
| APPROACH SLABS | 4 | x | 22.5 | x | | x | | | | 5280 | = | 0.02 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.10 |
| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | | C.F. | | MILE |
| BRIDGE DECK | 2 | x | 217.42 | x | | x | | | | 5280 | = | 0.08 |
| APPROACH SLABS | 4 | x | 22.5 | x | | x | | | | 5280 | = | 0.02 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.10 |
| ITEM 642 - CENTERLINE, TYPE 1 | | | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | | C.F. | | MILE |
| BRIDGE DECK | 1 | x | 217.42 | x | | x | | | | 5280 | = | 0.04 |
| APPROACH SLABS | 2 | x | 22.5 | x | | x | | | | 5280 | = | 0.01 |
| | | x | | x | | x | | | | | = | |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | | | 0.05 |

Removed item

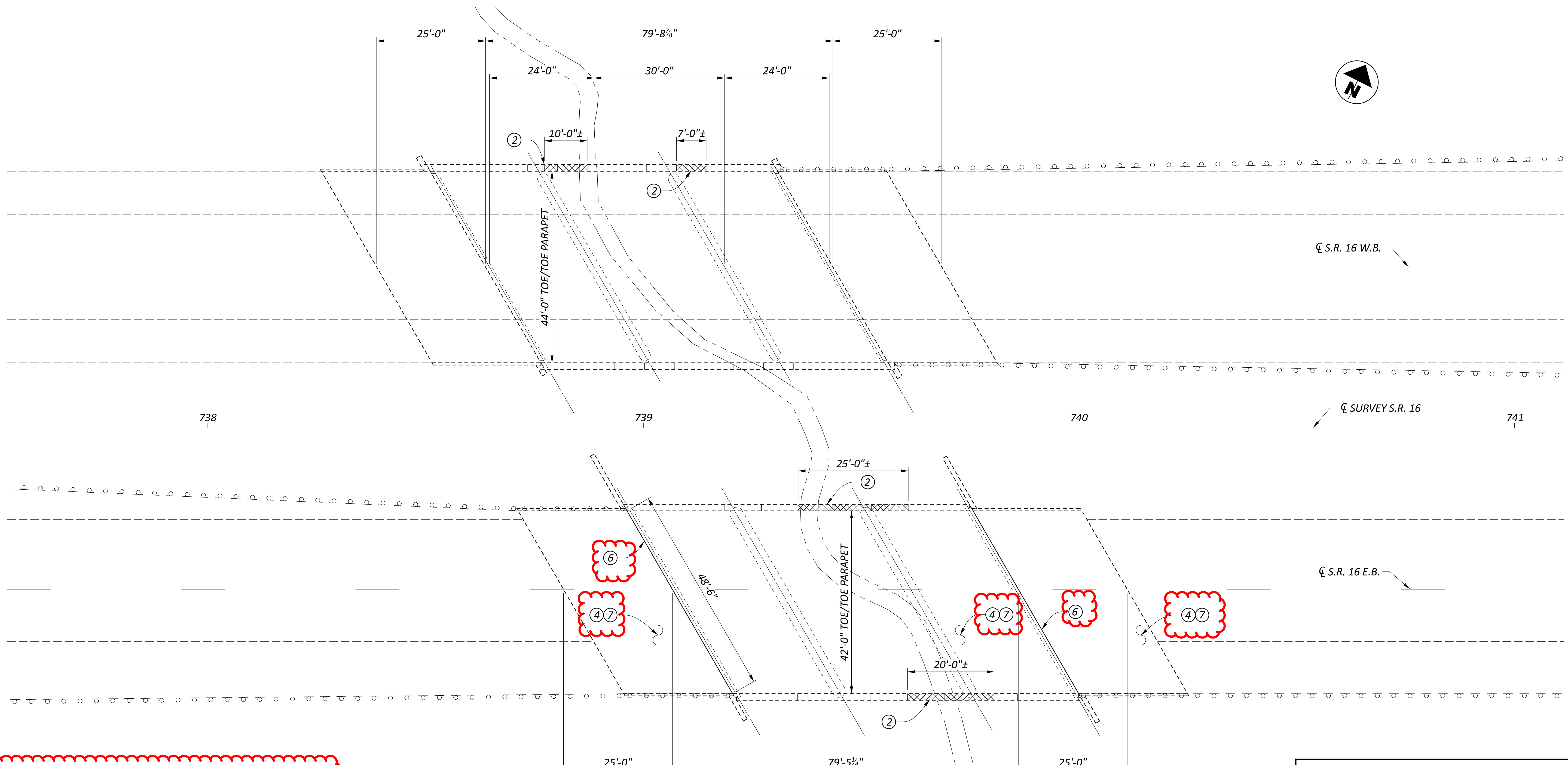


- ① ITEM 202 - REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
 ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 45' - 64' - 45' LEFT, 43' - 61' - 43' RIGHT |
| ROADWAY: | 38'-6" TOE/TOE PARAPETS |
| LOADING: | HS20-44 |
| SKEW: | 39° 05' RIGHT FORWARD |
| WEARING SURFACE: | 1.75" SDC OVERLAY |
| APPROACH SLABS: | 20' LONG (AS-1-67) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | 1970 |
| DISPOSITION: | PATCH DECK, SEAL WITH HMWM |

GENERAL PLAN
 BRIDGE NO. LIC-16-30.86 L&R
 SR 16 OVER SR 146

| | |
|---------------|---------|
| SFN | 4501470 |
| SFN | 4501500 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 36 | 44 |
| SHEET | |
| TOTAL | |
| P.49 | 57 |



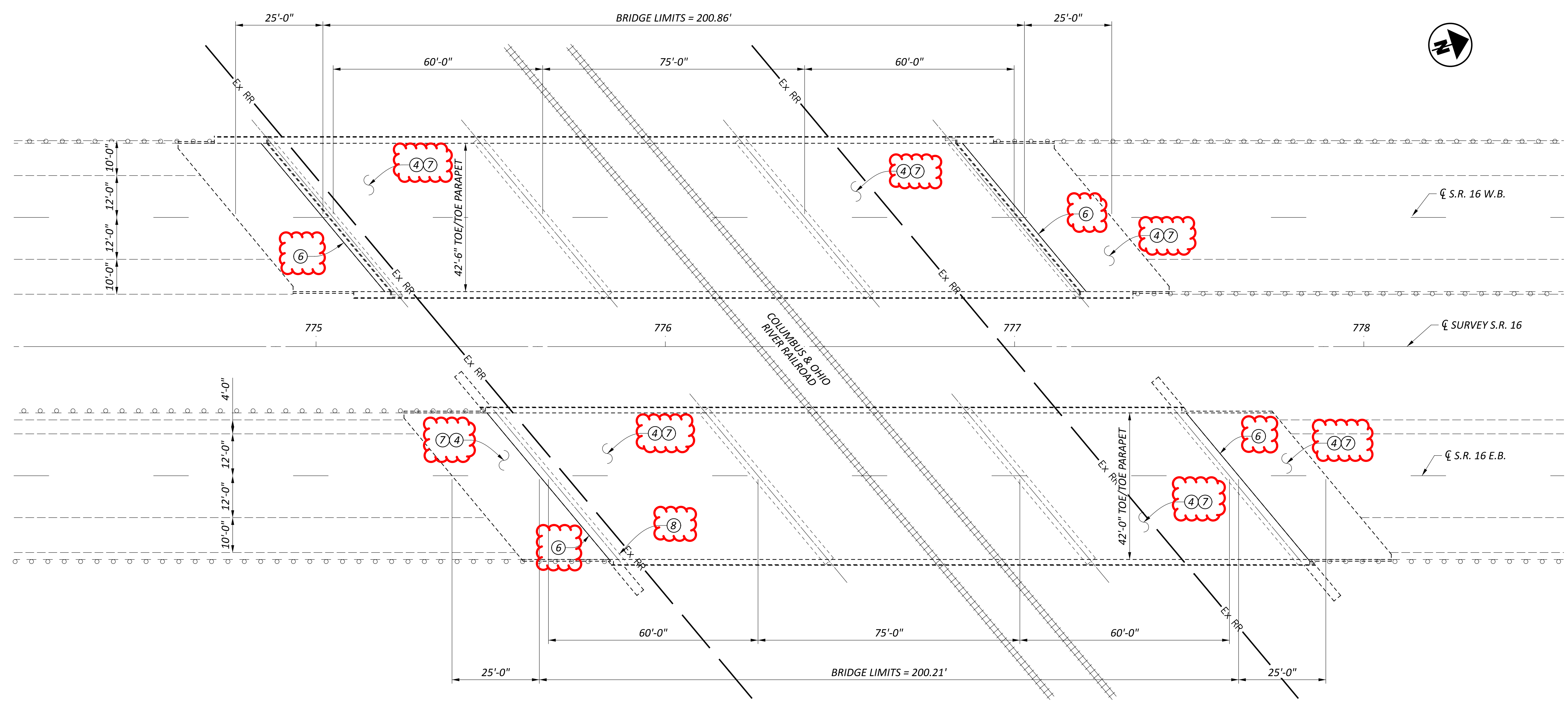
- ① ITEM 202 - REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
 ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ② ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ③ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ④ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑤ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑥ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑦ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑩ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|--|
| TYPE: | CONTINUOUS CONCRETE SLAB WITH CAPPED PILE SUBSTRUCTURES |
| SPANS: | 24' - 30' - 24' C/C BEARINGS |
| ROADWAY: | LEFT: 44'-0" TOE/TOE PARAPETS RIGHT: 42'-0" TOE/TOE PARAPETS |
| LOADING: | HS20-44 |
| SKEW: | 30° RIGHT FORWARD |
| WEARING SURFACE: | LEFT: 3" ASPHALT CONCRETE RIGHT: 1" MONOLITHIC |
| APPROACH SLABS: | 25' LONG (AS-1-67 LT, AS-1-81 RT) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | LT 1970, RT 1997 |
| DISPOSITION: | BOTH - REPAIR PARAPET TOPS RIGHT - PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM, REPLACE JOINT SEALER |

| | |
|---------------|--------------|
| SFN | 4501535 |
| SFN | 4501551 |
| DESIGN AGENCY | |
| DESIGNER | JKS |
| CHECKER | TAG |
| REVIEWER | JKS 03/18/26 |
| PROJECT ID | 124808 |
| SUBSET | TOTAL |
| 38 | 44 |
| SHEET | TOTAL |
| P.51 | 57 |

GENERAL PLAN
 BRIDGE NO. LIC-16-32.72 L&R
 SR 16 OVER BRANCH OF BLACK RUN

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/15/2026 TIME: 10:27:45 AM PLOTDRV: OHDOT.PDF.plt USER: Jodelyn.Stephani@dot.ohio.gov WORKSPACE: OHDOT\CE02_WORKSET: 124808_PRODUCT: OpenRoadsDesigner 24.00.00.205
 p:\1\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01_Active Projects\District 05_D05\124808\400-Engineering\Structures\SFN_6000037_SG003.dgn



- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
 ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ② ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
 ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
 ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
 ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ③ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ④ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑤ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑥ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑦ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑧ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑨ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)
- ⑩

| EXISTING STRUCTURE | |
|--------------------|--|
| TYPE: | LEFT- CONTINUOUS STEEL BEAM (NON-COMPOSITE) WITH REINFORCED CONCRETE SUBSTRUCTURES RIGHT- CONTINUOUS STEEL BEAM (COMPOSITE) WITH SEMI-INTEGRAL ABUTMENTS AND T-TYPE PIERS |
| SPANS: | 60' - 75' - 60' C/C BEARINGS |
| ROADWAY: | LEFT- 42'-6" TOE/TOE PARAPETS RIGHT- 42'-0" TOE/TOE PARAPETS |
| LOADING: | HS20-44 |
| SKEW: | 39° 48' RIGHT FORWARD |
| WEARING SURFACE: | LEFT- 1.25" MICRO-SILICA MODIFIED CONCRETE RIGHT- 1" MONOLITHIC CONCRETE |
| APPROACH SLABS: | 25' LONG (AS-1-81) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | LEFT- 1971, RIGHT- 1997 |
| DISPOSITION: | PATCH DECK AND APPROACH SLABS, SEAL WITH HMWM RIGHT ONLY- PATCH REAR DIAPHRAGM FACE |

| | |
|------------|----------|
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS | 03/18/26 |
| PROJECT ID | 124808 |
| SUBSET | TOTAL |
| 40 | 44 |
| SHEET | TOTAL |
| P.53 | 57 |

GENERAL PLAN
 BRIDGE NO. MUS-16-0.29 L&R
 SR 16 OVER CUOH RAILROAD

MUS-16-0.29 L

SFN 6000037

| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | |
|--|----|---|--------|---|------|---|--|--|------|-------|
| DESCRIPTION | # | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 1 | x | 200.86 | x | 42.5 | x | | | 9 | 948.5 |
| APPROACH SLABS | 2 | x | 25 | x | 42.5 | x | | | 9 | 236.1 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 1185 |
| ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | FT |
| APPROACH SLABS | 2 | x | 55.5 | x | | x | | | 1 | 111.0 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 111 |
| ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B | | | | | | | | | | |
| DESCRIPTION | % | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 2% | x | 200.86 | x | 42.5 | x | | | 9 | 19.0 |
| APPROACH SLABS | 2% | x | 50 | x | 42.5 | x | | | 9 | 4.7 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 24 |
| ITEM 614 - WORK ZONE LANE LINE, CLASS III, 6" 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 200.86 | x | | x | | | 5280 | 0.04 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | 5280 | 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 200.86 | x | | x | | | 5280 | 0.08 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | 5280 | 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.10 |
| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 200.86 | x | | x | | | 5280 | 0.08 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | 5280 | 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.10 |
| ITEM 642 - LANE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 200.86 | x | | x | | | 5280 | 0.04 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | 5280 | 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |

MUS-16-0.29 R

SFN 6000045

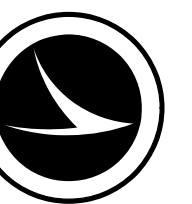
| ITEM 512 - SEALING CONCRETE BRIDGE DECK WITH HMWM, AS PER PLAN | | | | | | | | | | |
|--|----|---|--------|---|-----|---|--|--|------|-------|
| DESCRIPTION | # | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 1 | x | 200.21 | x | 42 | x | | | 9 | 934.3 |
| APPROACH SLABS | 2 | x | 25 | x | 42 | x | | | 9 | 233.3 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 1168 |
| ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | FT |
| APPROACH SLABS | 2 | x | 54.75 | x | | x | | | 1 | 109.5 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 110 |
| ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B | | | | | | | | | | |
| DESCRIPTION | % | | L | | W | | | | C.F. | SQ YD |
| BRIDGE DECK | 2% | x | 200.21 | x | 42 | x | | | 9 | 18.7 |
| APPROACH SLABS | 2% | x | 50 | x | 42 | x | | | 9 | 4.7 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 24 |
| ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN (ABUTMENTS) | | | | | | | | | | |
| DESCRIPTION | # | | L | | W | | | | C.F. | SQ FT |
| DIAPHRAGM FACE AT BEAM 6 | 1 | x | 2 | x | 1.5 | x | | | 1 | 3.0 |
| DIAPHRAGM FACE AT BEAM 6 | 1 | x | 1.5 | x | 1 | x | | | 1 | 1.5 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 5 |
| ITEM 614 - WORK ZONE LANE LINE, CLASS III, 6" 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 200.21 | x | | x | | | 5280 | 0.04 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | 5280 | 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 200.21 | x | | x | | | 5280 | 0.08 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | 5280 | 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.09 |
| ITEM 642 - EDGE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 2 | x | 200.21 | x | | x | | | 5280 | 0.08 |
| APPROACH SLABS | 4 | x | 25 | x | | x | | | 5280 | 0.02 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.09 |
| ITEM 642 - LANE LINE, 6", TYPE 1 | | | | | | | | | | |
| DESCRIPTION | # | | L | | | | | | C.F. | MILE |
| BRIDGE DECK | 1 | x | 200.21 | x | | x | | | 5280 | 0.04 |
| APPROACH SLABS | 2 | x | 25 | x | | x | | | 5280 | 0.01 |
| TOTAL CARRIED TO GENERAL SUMMARY = | | | | | | | | | | 0.05 |

ESTIMATED QUANTITIES
 BRIDGE NO. MUS-16-0.29 L&R
 SR 16 OVER CUOH RAILROAD

SFN 6000037

SFN 6000045

DESIGN AGENCY



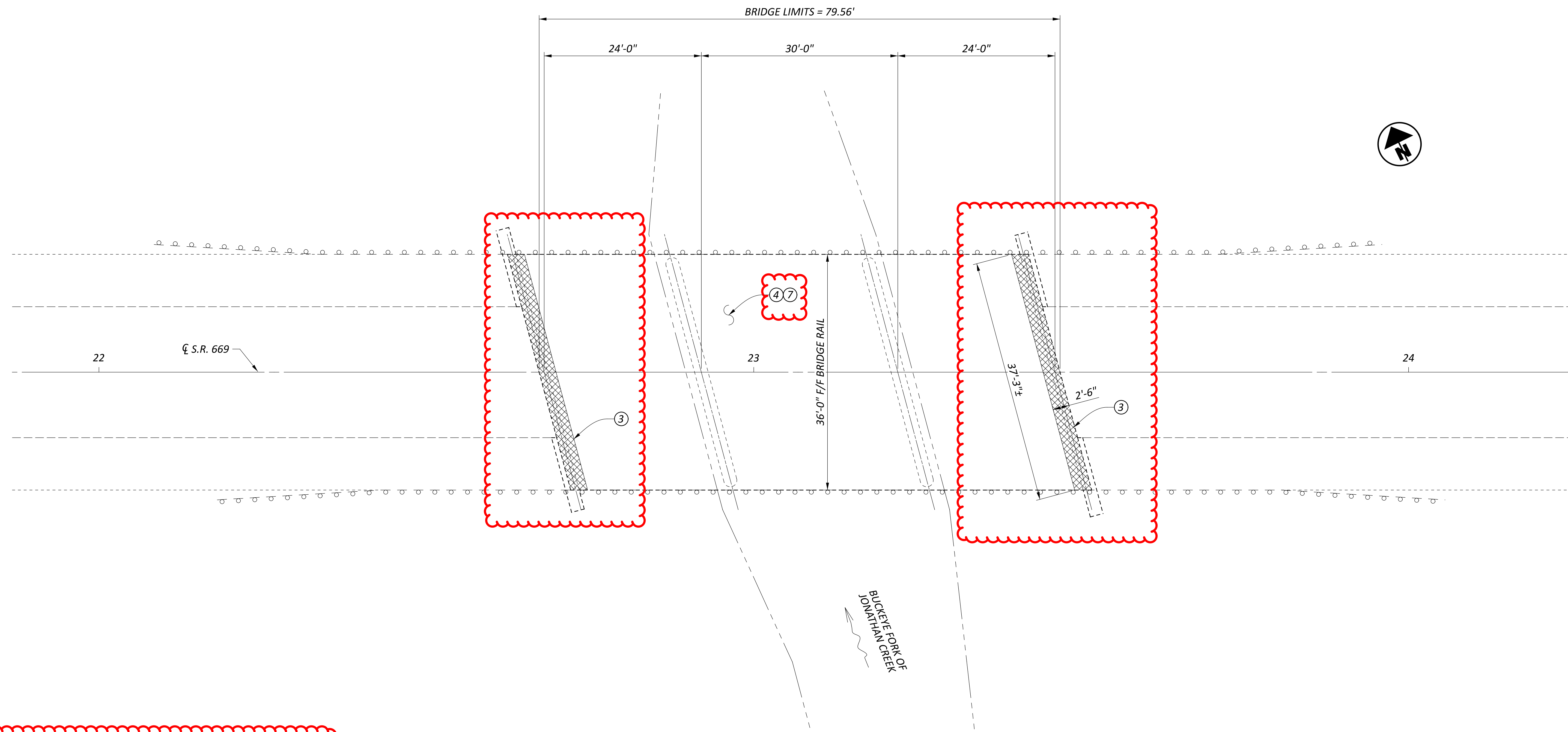
DESIGNER: JKS CHECKER: TAG

REVIEWER: JKS 03/18/26

PROJECT ID: 124808

SUBSET TOTAL: 42 44

SHEET TOTAL: P.55 57



- ① ITEM 202 - REMOVAL MISC: POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
- ② ITEM 846 - POLYMER MODIFIED EXPANSION JOINT SYSTEM
- ③ ITEM 202 - REMOVAL MISC.: PORTIONS OF PARAPET REMOVED
- ④ ITEM 511 - CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN
- ⑤ ITEM 202 - REMOVAL MISC.: PORTIONS OF DECK END REMOVED
- ⑥ ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, DECK END REPAIR
- ⑦ ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN
- ⑧ ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY-FED RESIN, AS PER PLAN
- ⑨ ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN
- ⑩ ITEM 519 - PATCHING BRIDGE DECKS, TYPE B
- ⑪ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (ABUTMENTS)
- ⑫ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK EDGES)
- ⑬ ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN (DECK UNDERSIDE)

| EXISTING STRUCTURE | |
|--------------------|---|
| TYPE: | CONTINUOUS CONCRETE SLAB WITH REINFORCED CONCRETE SUBSTRUCTURES |
| SPANS: | 24' - 30' - 24' C/C BEARINGS |
| ROADWAY: | 36'-0" F/F BRIDGE RAIL |
| LOADING: | CF-130 (57) |
| SKEW: | 15° RIGHT FORWARD |
| WEARING SURFACE: | 1.5" SDC OVERLAY |
| APPROACH SLABS: | 25' LONG (AS-1-54) |
| ALIGNMENT: | TANGENT |
| CROWN: | 0.016 '/' |
| DATE BUILT: | 1962 |
| DISPOSITION: | PATCH DECK AND DECK EDGES, SEAL WITH HMWM |

| | |
|---------------|---------|
| SFN | 6403573 |
| DESIGN AGENCY | |
| DESIGNER | CHECKER |
| JKS | TAG |
| REVIEWER | |
| JKS 03/18/26 | |
| PROJECT ID | |
| 124808 | |
| SUBSET | TOTAL |
| 43 | 44 |
| SHEET | TOTAL |
| P.56 | 57 |

