

MASON COUNTY
US-62X OVER THE OHIO RIVER
SIMON KENTON BRIDGE

ESTIMATE OF QUANTITIES																									
BID ITEM CODE		03300	08151	08106	23331EC	08549	23580EC	20377EC	23580EC	20377EC	23386EC	03294	22146EN	23744EC	26141EC	26232EC	02726	25108ED	25110ED	24085EC	23298EC	02650	02671	02568	02569
BID ITEM	Eliminate Transverse Joint	Steel Reinforcement, Epoxy Coated	Concrete Class "M1"	Epoxy Urethane Waterproofing Overlay	Blast Cleaning	Handrall Connection Repair - Collar	Bridge Handrail Repair - Bottom Horizontal	Connection Repair - Picket Repair	Bridge Handrail Repair - Panel Replacement	Joint Seal Replacement	Expansion Joint Replace - 1½"	Concrete Patching Repair	Epoxy Injection Crack Repair	Galvanic Anode	Concrete Coating	Staking	Suspender Collar Repair - Suspender Rope Replacement	Hand Rail Splice Replacement - Hand Rope and Stanchion Replacement	Bolt Repair - Cable Band Bolt Replacement	Steel - Anchorage Door Installation	Maintain and Control Traffic	Portable Changeable Message Sign	Mobilization	Demobilization	
UNIT	L.F.	LBS.	C.Y.	S.F.	S.Y.	EA.	L.F.	EA.	L.F.	L.F.	L.F.	S.F.	L.F.	EA.	S.F.	L.S.	EA.	L.S.	EA.	L.S.	L.S.	E.A.	L.S.	L.S.	
Repair 1: Suspender Replacement																	136								
Repair 2: Handrope and Stanchion Replacement																		1							
Repair 3: Eliminate Transverse Joint	58	400																							
Repair 4: Anchorage Waterproofing Epoxy Urethane Overlay		1800	3.5	4108	457																				
Repair 5: Cable Band Bolt Replacement																			880						
Repair 6: Bridge Handrail Repair						3	118	30	178																
Repair 7: Joint Seal Replacement										60															
Repair 8: Replace Compression Seal Joint		300									40														
Repair 9: Concrete Patching and Coating - Substructure												640	800	737	13300										
Repair 10: Concrete Repairs - Superstructure												30													
Repair 11: Patch Spalled Sidewalk Concrete			0.5																						
Repair 12: Anchorage Access Door																				1					
BRIDGE TOTALS	58	2500	4	4108	457	3	118	30	178	60	40	670	800	737	13300	1	136	1	880	1	1	14	1	1	

[illegible]

SPECIAL NOTES

Traffic Control on Bridge Repair Contracts
3-8 Epoxy-Urethane Waterproofing Overlay
Eliminate Joints
Bridge Joint Seal Replacement
Embedded Galvanic Anodes
Epoxy Crack Injection
Concrete Patching Repair
Concrete Coating
Structural Adhesives with Extended Contact Time
Painting Structural Steel Repairs
Cable Band Bolt Replacement
Suspender Rope Replacement
Hand Rope Replacement
Anchorage Door Installation
Contract Completion Date and Penalties on Bridge Repair Contracts
Pre-Bid Conference
Bridge over Railroad
Subcontracting of Specialty Work Items



SPECIAL PROVISIONS

[illegible]

SPECIFICATIONS

2019 Standard Specifications for Road and Bridge Construction.

2020 AASHTO LRFD Bridge Design Specifications

SHEETS 14-14, 35	SHEETS 1-3, 15-34, 36
	
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LETTING DATE

CONSTRUCTION PROJECT NO.

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

MASON COUNTY

US-62X OVER THE OHIO RIVER

SIMON KENTON BRIDGE

BID ITEM CODE

03300

08151

08106

23331EC

08549

23580EC

20377EC

23580EC

20377EC

23386EC

03294

22146EN

23744EC

26141EC

26232EC

02726

25108ED

25110ED

24085EC

23298EC

02650

02671

02568

02569

BID ITEM

Eliminate Transverse Joint

Steel Reinforcement, Epoxy Coated

Concrete Class "M1"

Epoxy Urethane Waterproofing Overlay

Blast Cleaning

Handrail Connection Repair - Collar

Bridge Handrail Repair - Bottom Horizontal

Handrail Connection Repair - Picket Repair

Bridge Handrail Repair - Panel Replacement

Joint Seal Replacement

Expansion Joint Replace - 1½"

Concrete Patching Repair

Epoxy Injection Crack Repair

Galvanic Anode

Concrete Coating

Staking

Suspender Collar Repair - Suspender Rope Replacement

Hand Rail Splice Replacement - Hand Rope and Stanchion Replacement

Bolt Repair - Cable Band Bolt Replacement

Steel - Anchorage Door Installation

Maintain and Control Traffic

Portable Changeable Message Sign

Mobilization

Demobilization

UNIT

L.F.

LBS.

C.Y.

S.F.

S.Y.

EA.

L.F.

EA.

L.F.

L.F.

L.F.

S.F.

L.F.

EA.

S.F.

L.S.

EA.

L.S.

EA.

L.S.

L.S.

E.A.

L.S.

L.S.

Repair 1: Suspender Replacement

Repair 2: Handrope and Stanchion Replacement

Repair 3: Eliminate Transverse Joint

Repair 4: Anchorage Waterproofing Epoxy Urethane Overlay

Repair 5: Cable Band Bolt Replacement

Repair 6: Bridge Handrail Repair

Repair 7: Joint Seal Replacement

Repair 8: Replace Compression Seal Joint

Repair 9: Concrete Patching and Coating - Substructure

Repair 10: Concrete Repairs - Superstructure

Repair 11: Patch Spalled Sidewalk Concrete

Repair 12: Anchorage Access Door

BRIDGE TOTALS

58

2500

4

4108

457

3

118

30

178

60

40

670

800

737

13300

1

136

1

880

1

1

14

1

1

SHEETS 4-14, 35

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SHEETS 1-3, 15-34, 36

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DEPARTMENT OF HIGHWAYS

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TITLE SHEET
CROSSING
OHIO RIVER

ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S01

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SPECIAL NOTES

Traffic Control on Bridge Repair C

3-8 Epoxy-Urethane Waterproofing

Eliminate Joints

Bridge Joint Seal Replacement

Embedded Galvanic Anodes

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Painting Structural Steel Repairs

Cable Band Bolt Replacement

Suspender Rope Replacement

Hand Rope Replacement

Anchorage Door Installation

Contract Completion Date and Penalties o

Pre-Bid Conference

Bridge over Railroad

Subcontracting of Specialty Work

SPECIAL PROVISIONS

STANDARD DRAWINGS

BJE-001-14

Armored Edges

BJE-003

Expansion Joint Replacemen

BJE-005

Expansion Joint Replacemen

SPECIFICATIONS

2019 Standard Specifications Construction.

2020 AASHTO LRFD Bridge Design

SPECIFICATIONS: All references to the Standard Specifications are to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction with current Supplemental Specifications. All references to the AASHTO specifications are to the AASHTO LRFD Bridge Design Specifications, 9th Edition.

MATERIALS DESIGN SPECIFICATIONS:
Class "M" Reinforced Concrete f'c = 4,000 psi
For Steel Reinforcement fy = 60,000 psi
Structural Steel fy = 50,000 psi

CONCRETE: Class "M" Concrete is to be used for the expansion joint replacement.

REINFORCEMENT: Dimensions shown from the face of concrete to bars are to center of bars unless otherwise shown. Spacing of bars is from center to center of bars. Clear distance to face of concrete is 2" unless otherwise noted. All reinforcing bars shall be epoxy coated in accordance with Section 811.10 of the Standard Specifications. Use stirrup bend diameters for bars designated by suffix (s) in a Bill of Reinforcement.

EXISTING STEEL REINFORCEMENT: The cost of cutting, bending, and cleaning existing steel reinforcement shall be incidental to the retrofit item being completed.

BEVELED EDGES: Bevel all exposed edges ¾", unless otherwise noted.

INCIDENTAL ITEMS: The Contractor is required to complete the structure in accordance with the Plans and Specifications. Material or labor, not otherwise specified, are to be considered incidental to the contract.

COMPLETION OF THE STRUCTURE: The Contractor is required to complete the structure in accordance with the Plans and Specifications. Material, labor, or construction operations, not otherwise specified, are to be included in the bid item most appropriate to the work involved. This may include cofferdams, shoring, excavations, backfilling, removal of all or parts of existing structures, phased construction, incidental materials, labor or anything else required to complete the structure. After completion of all operations, the structure and site shall be left in a condition that is in accordance with Section 105.12 of the Specifications.

SHOP DRAWINGS: When any changes in the design plans are proposed by the Fabricator or Supplier, the Shop Drawings reflecting these changes shall be submitted to the Consultant. When any changes in the design plans are proposed by the Fabricator or Supplier, submit those changes to the Consultant. The consultant shall provide one approved copy of the shop drawings to the Division of Structural Design. Submit final approved shop drawings to the Engineer. Shop drawings shall be required for the following repairs:
- Repair 1: Suspender Replacement
- Repair 2: Handrope and Stanchion Replacement

PLANS OF EXISTING STRUCTURE: Plans of the existing structure and shop drawings are available as an aid to the Contractor and shall be used to supplement details not shown on the Plans. The completeness of these drawings is not guaranteed and no responsibility is assumed by KYTC for their accuracy.

EXISTING STRUCTURE VERIFICATION:
The Contractor is not to order any materials, produce any shop drawings, or begin any construction activities until after verifying dimensions and conditions in the field. Dimensions and details shown on these Plans in relation to the existing structure shall be considered approximate. Existing plans, if available, shall not be considered accurate. It shall be the Contractor's responsibility to verify such dimensions and details in the field and to notify the Project Engineer and the Designer of any differences. Failure to notify either may delay drawing and other approvals. Thereafter make the necessary approved adjustments prior to construction or ordering materials. All Specification requirements shall remain in effect. Any variations shall not be cause for additional compensation for a change in the scope of work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. In addition, the overrun and underrun formulas may be applied to appropriate repairs provided that the requirement of Article 104.02.02 of the Standard Specifications is satisfied. The cost of all labor, equipment, surveying, and materials necessary to verify field dimensions shall be included in the lump sum price for "Staking".

ON SITE INSPECTION: Each contractor submitting a bid for this work shall make a thorough inspection of the bridge and the work site prior to submitting a bid and shall be thoroughly familiarized with existing conditions so that work can be expeditiously performed after a contract is awarded. A suitable method of performing the work described herein should be investigated. Submission of a bid will be considered evidence of this inspection having been made. Any claims from site conditions will not be honored by the Department of Highways.

DIMENSIONS: Dimensions shown on these plans are taken from the original construction contract plans and available repair plans and do not necessarily reflect revisions made during construction. The Contractor shall verify elevations and dimensions, including thickness or parts, with field measurements prior to ordering materials or fabricating steelwork. All plan dimensions are for a normal temperature of 60 degrees Fahrenheit. Layout dimensions are horizontal dimensions.

MAINTENANCE OF TRAFFIC: This bridge repairs are to be constructed in accordance with the Special Note for Traffic Control on Bridge Repair Contracts.

DAMAGE TO THE STRUCTURE: The Contractor shall bear full responsibility and expense for repair of any and all damage to the structure, should such damage result from the Contractor's actions. The Contractor is completely responsible for the stability of the structure from the time of mobilization until after the bridge has been reopened to normal traffic following completion of all work required in the Contract. After completion of all operations, the structure and site shall be left in a condition that is in accordance with Section 105.12 of the Specifications.

BEFORE YOU DIG: The Contractor shall be responsible for all requirements and conformation with the Underground Facility Damage Prevention Act of 1994. The Contractor will be responsible for locating any utilities on this project. All underground utilities shall be located prior to construction. Any utilities disturbed or damaged as a result of the Contractor's operations will be repaired to the satisfaction of the utility owner at the Contractor's expense. The Contractor is advised to call (800) 752-6007 a minimum of two working days prior to excavation for information on the location of some, but not necessarily all underground utilities.

STANDARD DRAWINGS: A Standard Drawing book may be obtained from the KYTC Policy Support Branch of the Department of Administrative Services in Frankfort, KY at (502) 564-3670. See other appropriate KYTC Standard Drawings where applicable.

RIVER NAVIGATION: Continuous maintenance and safety of river navigation throughout the term of the project shall be a prime consideration. All work involving the removal of the existing bridge deck or installation or removal of the structural elements beneath the bridge deck shall cease when there is approaching river traffic. This work shall not resume until the river traffic is clear of the bridge area. At least 30 days in advance of beginning construction, the successful Contractor shall submit to the Department (for submittal to the Coast Guard) a work plan for performing work over the Ohio River. This work plan shall include but is not limited to methods for containing debris, debris removal from stream, and maintenance of existing navigational traffic during construction. The Contractor must advise the Coast Guard of the Contractor's proposed schedule of work at least 10 days prior to the commencement of any field operations. The notification shall be addressed to:

Western Rivers Bridge Branch
Eighth Coast Guard District
1222 Spruce Street, Room 2.102D
St. Louis, Missouri 63103
Phone: 571-607-2270
Email: Eric.Washburn@uscg.mil

FALL PROTECTION: Provide flooring for workers in situations where the danger from a fall is compounded by traffic and for protection to river traffic below. If temporary flooring is necessary, the flooring is to be designed using the sum of dead load and live vertical loads. Include 50 psf on horizontal surfaces and the weight of any material or equipment that is placed or allowed to fall during construction or demolition in the live load computation. Submit the flooring design along with the falsework design to the Engineer for approval. Consider all phases of furnishing and removing the flooring as incidental to the contract. This item may be considered in addition to any requirement set forth in subsection 107.01.01 of the Specifications.

SAFETY BOAT: A safety boat in the water is required anytime the Contractor is working over the navigable channel without proper railing. Cost shall be incidental to the Project.

COOPERATION BY CONTRACTOR: The Contractor is advised that additional contracts may be let within the project limits prior to the completion of this project. Contractors working on the same project or adjacent projects shall cooperate with each other.

CONSTRUCTION LOAD: The Contractor shall not utilize equipment weighing more than the posted limits (15 tons) on the bridge at any time. Storage of material on the bridge is prohibited.

SAWCUTTING EXISTING CONCRETE OR MASONRY: Prior to the removal of the existing concrete or masonry, cut the surface with a concrete saw to a depth of one inch to facilitate a neat line. The cost of cutting concrete or masonry shall be incidental to the contract.

Concrete Bonding Agents: An epoxy bond coat conforming to Sections 511 and 826 of the Specifications or a structural adhesive conforming to the Special Note for Structural Adhesives with Extended Contact Time shall be used on the surface of any concrete joint specified as "bonded" in these plans. The cost of this work, including all labor, tools, and materials, is to be incidental to the unit bid price for the class of concrete being bonded.

UTILITIES: The Contractor shall be responsible for locating any and all existing utilities prior to construction activities that may involve utilities (overhead or underground). The Contractor shall protect all utilities, lighting, and signage attached to the structure during construction. All cost for protection shall be incidental to this contract. Any damage caused by the Contractor shall be repaired at no additional cost to the Department.

PROHIBITED FIELD WELDING: No welding of any nature, other than indicated on the Plans, is to be performed without the written consent of the Designer, and then only in the manner and at the locations designated in the authorization. Field welding if allowed, shall be performed by a certified field welder.

WELDING SPECIFICATIONS: All welding and welding materials shall conform to "Joint Specification ANSI/AASHTO/AWS D1.5-2020 Bridge Welding Code".

WELDING PROCEDURE: Qualification tests of all welding procedures, when required by AWS, shall be completed by the Contractor and approved by the Engineer prior to the final approval of the shop drawings and welding procedure and start of fabrication.

HIGH STRENGTH BOLT CONNECTIONS : Unless otherwise specified in the Plans, all bolted connections to be ASTM F3125 Grade A325 high strength bolts, nuts and washers. Open holes shall be 1/16" larger than the diameter of the bolts. Furnish Type 1 galvanized bolts as described in AASHTO M164. All high strength bolted connections are to be installed using "Direct Tension Indicators" (DTI's) in accordance with the Standard Specifications and ASTM F959. All DTI's shall be suitable for use with galvanized steel bolts. Installation details of the DTI's shall be shown on the shop Plans.

Any holes in steel members that are not specified to receive any other connected part shall be filled with a high strength bolt that is tensioned per the Specifications.

Bolt threads shall be excluded from the shear plane in all bolted connections, unless otherwise noted.

SLIP CRITICAL CONNECTIONS: Slip critical connections have been designed for Class A Surface conditions in accordance with AASHTO Specifications.

CHARPY V-NOTCH: All steel shall meet the longitudinal Charpy V-notch toughness test for fracture critical components Zone 2 in accordance with the following:
M270 Gr 50W (Up to 2" thickness) of 25 ft-lbs at 40 deg F.
M270 Gr 50W (2" to 4" thickness) of 30 ft-lbs at 40 deg F.

Sampling and testing procedures shall be in accordance with AASHTO T243 current edition, utilizing (H) frequency testing. When plate thickness exceeds 1½", frequency of testing shall be (P).

MILL TEST REPORTS: Notarized mill test reports shall be furnished in triplicate to the Department showing that all structural steel conforms to the requirements of the Specifications.

IDENTIFICATION MARKING OF STEEL MEMBERS: Steel mill and fabricator identification markings for steel plates, shapes, or fabricated members shall be by metal tags, soapstone, or some other readily removable material, or shall be marked in an area of the completed member which will be encased or covered with concrete. Marking methods and locations are subject to approval of the Engineer. Paint or wax based crayons shall not be used for marking.

HANDLING AND STORING OF STEEL MEMBERS: Steel members must not be gouged, dented, or allowed to rub against other members which would result in damage to the blast cleaned profile of the steel. Members shall be handled using softeners and slings instead of chokers and chains. Members shall be stored in the fabrication shop or on the project site in such a manner as to be kept free and clean of all foreign substances such as grease, oil, mortar, concrete, chalk, crayon, paint, and dirt. All storage must be above ground and sloped to allow free drainage of melted snow, rainwater, and dew.If stored for periods longer than three months, the members must be placed on metal supports. For periods of storage up to three months, members may be placed on clean, untreated, wood timbers.Plate girders shall be stored with the web in the upright position. Treated lumber or timber shall not be allowed to come in contact with the steel members.

LEAD PAINT: Residual lead paint may be present on the bridge, even after previous sandblastings and painting of the bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when removing, cutting, grinding, cleaning, or performing any other actions. The Department will not consider any claims based on residual lead paint. The Contractor shall remove any existing lead waste stored on the bridge and dispose at no additional cost to the Department.

DISPOSAL OF MATERIALS: All materials and debris removed from or beneath the bridge shall become the property of the Contractor and shall be removed from the right-of-way.

CLEANING AND PAINTING: New structural steel is to be painted in accordance with Section 607.03.23 of the Specifications. All structural steel is to receive the first coat of paint (Prime Coat) in the shop prior to shipping. The Contractor is responsible for maintaining the first coat of paint throughout erections to prevent staining of the substructure. The Contractor will be responsible for removing any rust staining on the substructure due to failure to maintain the first coat. For maintenance cleaning and painting of existing bridges, Contractors are hereby reminded that in accordance with Section 614.03.09, all steel surfaces to be painted, including exposed surfaces of connection plates, nuts, bolts, and washers, shall be blast cleaned to a near white condition in accordance with SSPC-SP10 immediately prior to primer application.

PAINTING DAMAGED AREAS: All areas of new or existing structural steel on which the paint has been damaged by the Contractor shall be cleaned and spot painted to the satisfaction of the Engineer and in accordance with the Special Note for painting structural steel repairs. The cost of this touch-up is to be incidental to the Contract.

Concrete Coating: Apply concrete coating in accordance with the Special Note for Concrete Coating.

JOINT AND DRAIN CLEANING: Joints and deck drains shall be cleaned of debris during preparation for 3/8"Epoxy-Urethane Waterproofing Overlay and after overlay is fully cured. Care shall be taken to avoid damage to joint seals. Any damage caused by the Contractor shall be repaired at no additional cost to the Department. The cost of joint and drain cleaning is to be incidental to 3/8" Epoxy-Urethane Waterproofing Overlay.

DURABLE PAVEMENT STRIPING: Durable pavement striping shall be installed according to Section 714 identical to existing markings after overlay is fully cured and cleaned. Care shall be taken to avoid damage to joint seals. Any damage caused by the Contractor shall be repaired at no additional cost to the Department. The cost of durable pavement striping will be in accordance with Section 714.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION	DATE

DATE PLOTTED: 05/06/2025



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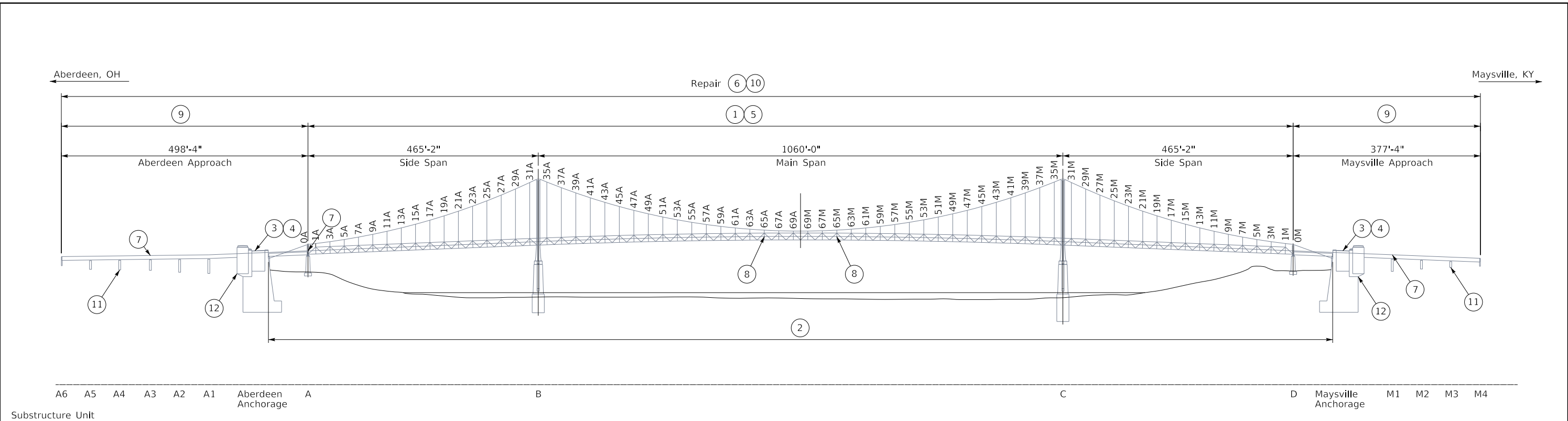
GENERAL NOTES

CROSSING
OHIO RIVER

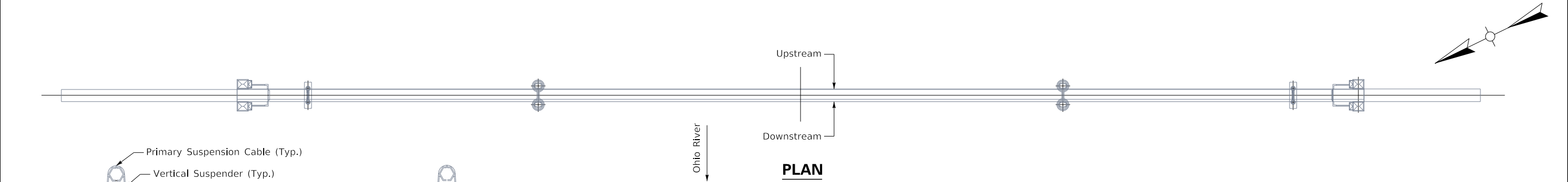
ROUTE
US 62X

ITEM NO. 9-10091.00
SHEET NO. S02

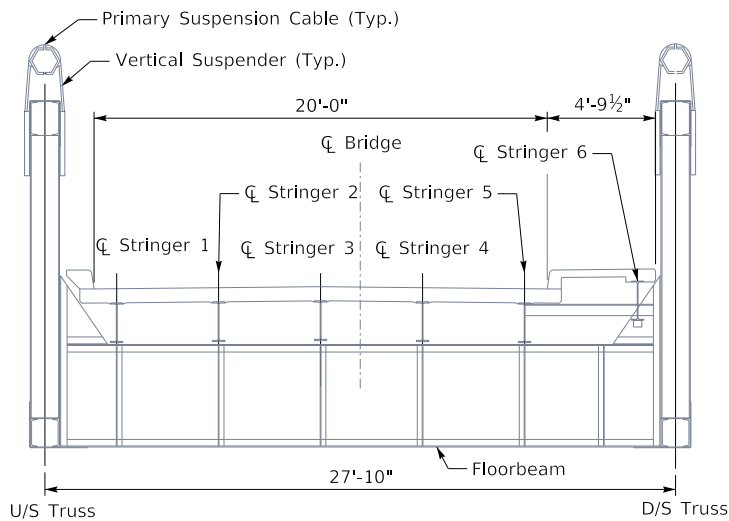
COUNTY OF MASON
DRAWING NUMBER 28962



ELEVATION



PLAN



TYPICAL SECTION - MAIN SPANS LOOKING SOUTH

- Repair 1: Suspender Replacement (S4-S10)
- Repair 2: Handrope and Stanchion Replacement (S11-S14)
- Repair 3: Eliminate Transverse Joint (S15)
- Repair 4: Anchorage Waterproofing Epoxy Urethane Overlay (S16)
- Repair 5: Cable Band Bolt Replacement (S17)
- Repair 6: Bridge Handrail Repair (S18-S22)
- Repair 7: Joint Seal Replacement (S23)
- Repair 8: Replace Compression Seal Joint (S24)
- Repair 9: Concrete Patching and Coating - Substructure (S25-S32)
- Repair 10: Concrete Patching - Superstructure (S33)
- Repair 11: Patch Spalled Sidewalk Concrete (S34)
- Repair 12: Anchorage Access Door (S35)

SUSPENDER ROPE REPLACEMENT GENERAL NOTES:

1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures, including survey of all suspender rope lengths to an accuracy of $\frac{1}{4}$ ", to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
2. New suspender ropes shall conform to the specifications set forth in the special note for suspender replacement.
3. Suspender rope replacement sequence shall prioritize the locations with existing temporary supports, a proposed repair sequence for the existing temporary supports is shown below. The contractor may submit an alternate repair sequence for approval. Refer to the special note for suspender rope replacement for requirements.

TABLE 1 SUSPENDER REPLACEMENT SEQUENCE
FOR TEMPORARY REPAIR LOCATIONS

PHASE	PANEL POINT	CABLE
1	M5	DS
	M35	DS
	M11	US
2	A37	DS
	M3	US
	M41	US
3	A55	DS
	M29	US
	M51	US
4	A67	DS
	M43	US
5	M37	DS
	A57	US
6	A65	US
7	A67	US

4. After locations with existing temporary supports have been replaced, a normal replacement sequence can be performed as long as the following conditions are met:
 - 4.a. The contractor shall only replace one suspender rope on each side span, on each cable, at any one time. Main spans shall be split in half to allow work on each half of the main span, on each cable, at any one time however if work is occurring on each half near the midspan, work locations shall be at least 3 panel points away.
 - 4.b. If suspender ropes are being removed from each upstream and downstream cable on the same span, there shall be 3 panel points of spacing between work locations.
 - 4.c. All replacement locations must be supported with temporary supports until replacement work is complete, at no time shall any work location be unsupported.
5. After the bridge is closed to traffic, the contractor shall conduct a survey of the existing bridge prior to any replacement activities, to collect profile grade elevations at the centerline of the bridge and along the stiffening truss top chord. The contractor is required to verify existing elevations are within $\frac{1}{8}$ " of the existing profile grade after completion of each individual suspender replacement. The contractor is required to submit a completed profile grade upon completion of all suspender replacement work.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025

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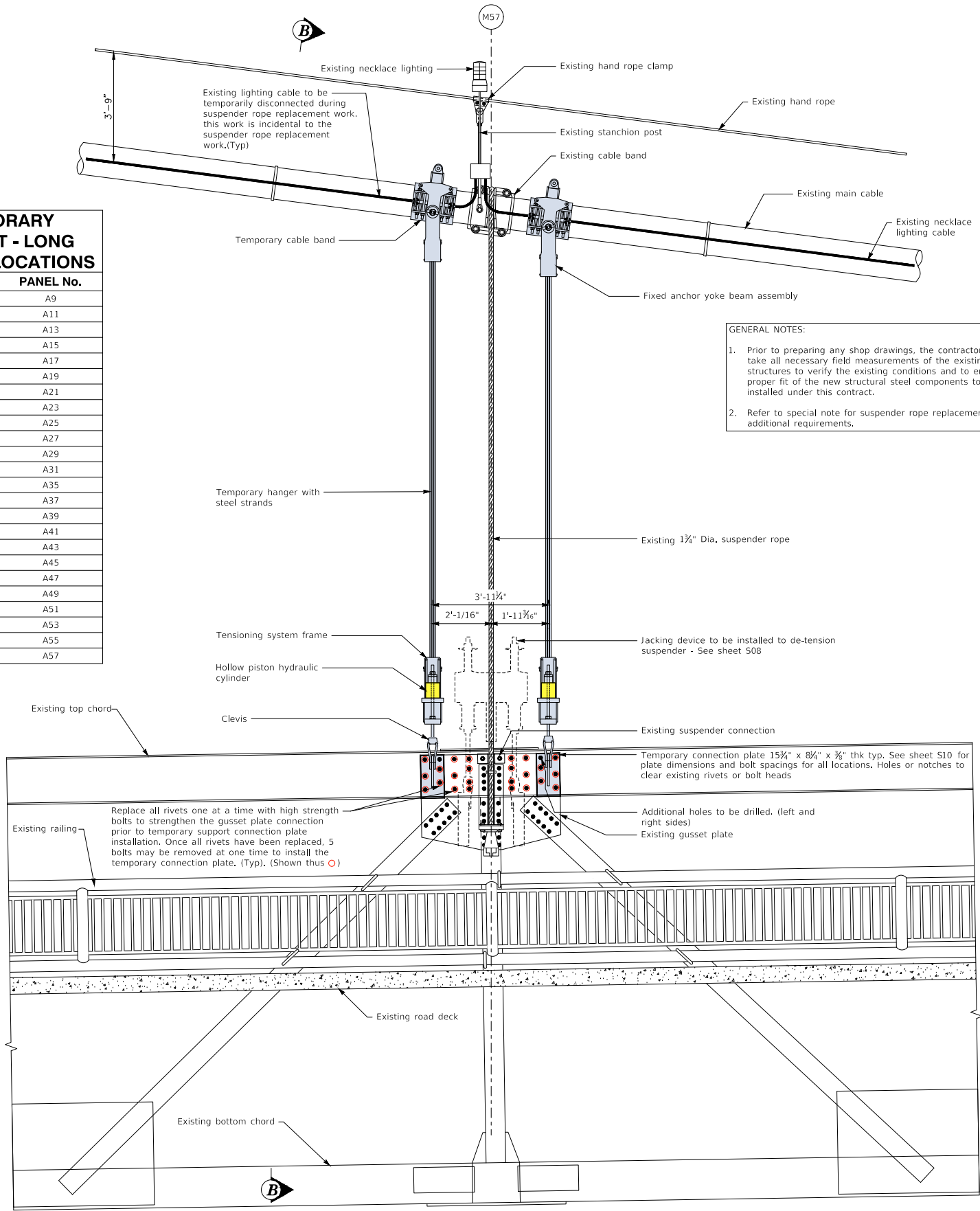
FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

DATE: 05/06/2025	CHECKED BY:
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

MISC DETAILS
CROSSING OHIO RIVER

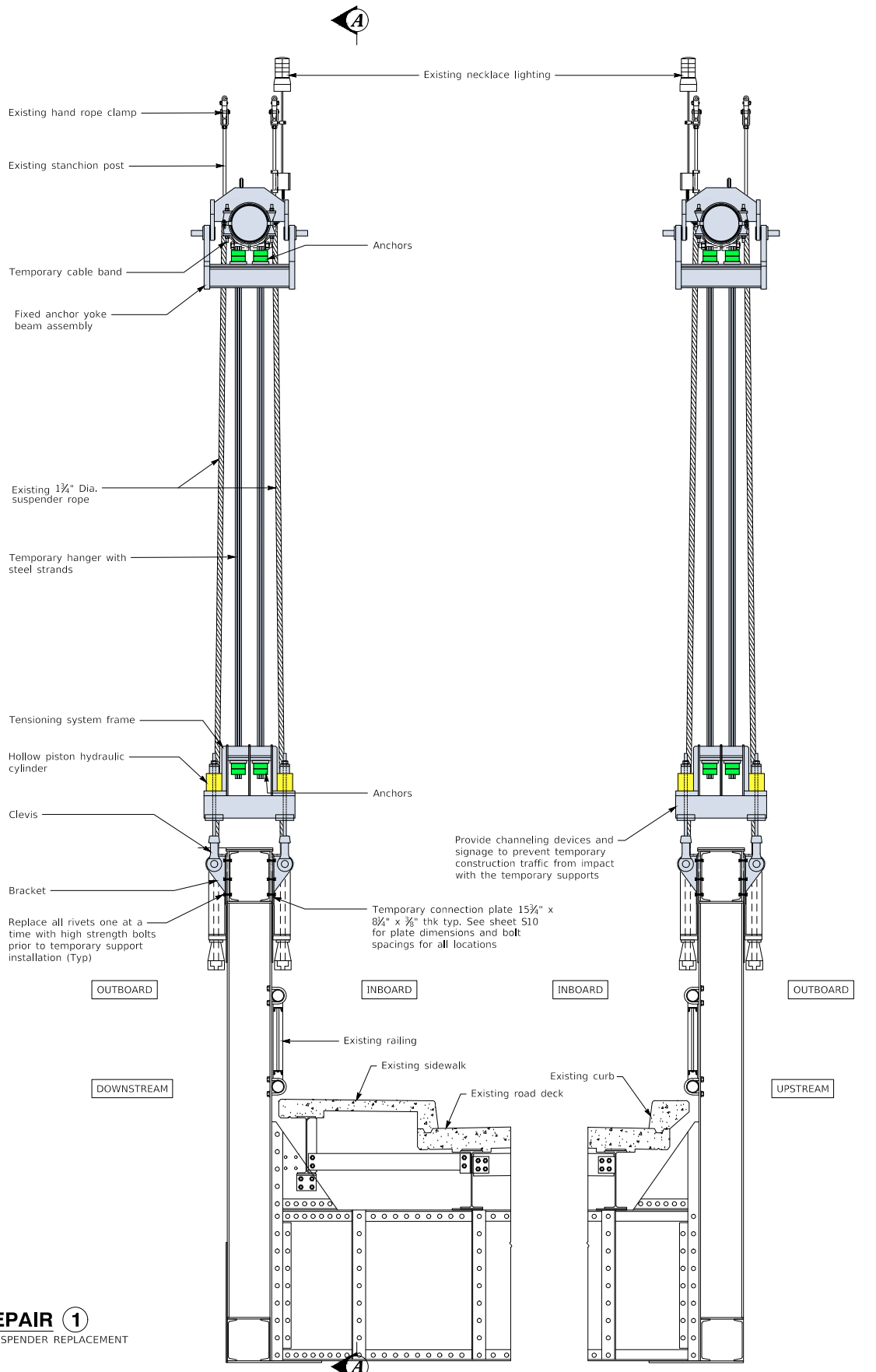
ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S04	COUNTY OF MASON DRAWING NUMBER 28962
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TEMPORARY SUPPORT - LONG BRACKET LOCATIONS	
PANEL No.	PANEL No.
M9	A9
M11	A11
M13	A13
M15	A15
M17	A17
M19	A19
M21	A21
M23	A23
M25	A25
M27	A27
M29	A29
M31	A31
M35	A35
M37	A37
M39	A39
M41	A41
M43	A43
M45	A45
M47	A47
M49	A49
M51	A51
M53	A53
M55	A55
M57	A57



- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.

SECTION 'A' - (TYPICAL VIEW SHOWN ON M57)



REPAIR 1
VERTICAL SUSPENDER REPLACEMENT

SECTION 'B' - TYPICAL VIEW SHOWN ON M57



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025



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FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

DATE: 05/06/2025	CHECKED BY:
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

TEMPORARY SUPPORT - LONG BRACKET DETAILS

CROSSING
OHIO RIVER

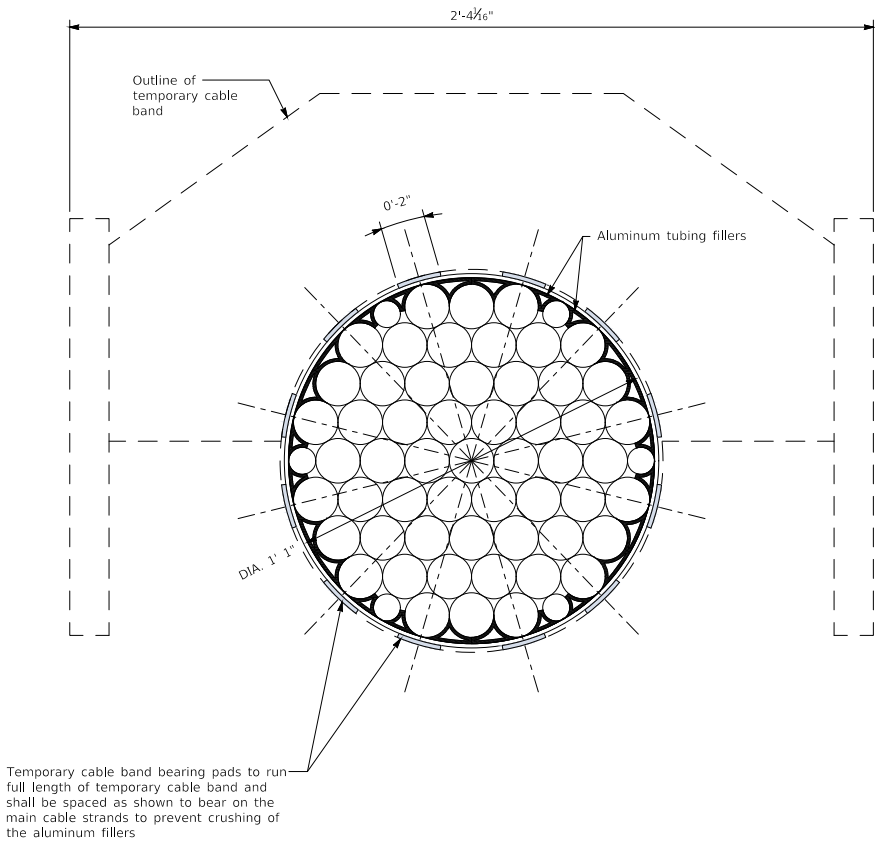
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S05

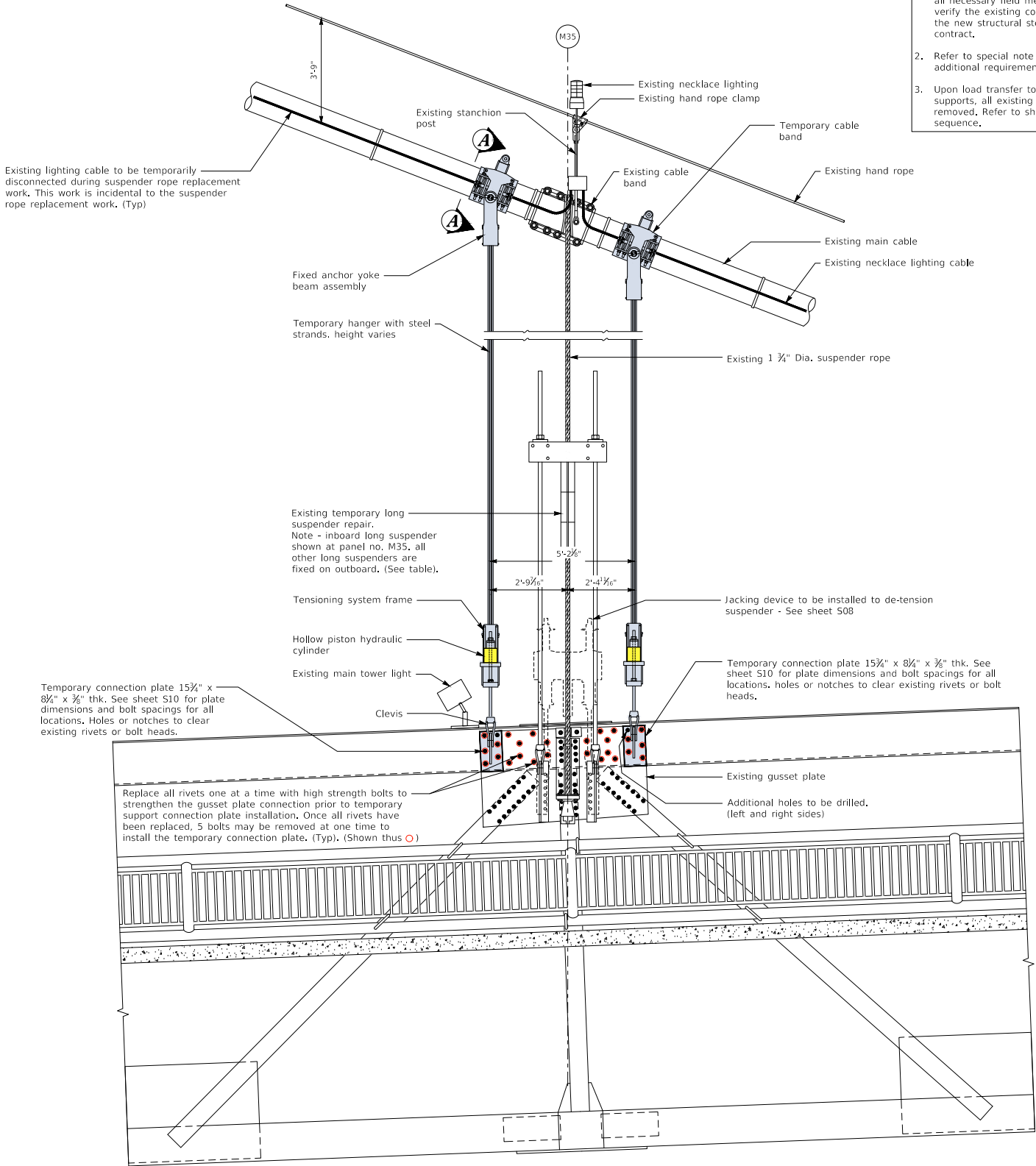
COUNTY OF
MASON
DRAWING NUMBER
28962

TEMPORARY LONG SUSPENDER REPAIR LOCATIONS

PANEL No.	EAST / WEST CABLE	INBOARD / OUTBOARD
M11	EAST	OUTBOARD
M29	EAST	OUTBOARD
M35	WEST	INBOARD
M37	WEST	OUTBOARD
M41	EAST	OUTBOARD
M43	EAST	OUTBOARD
M51	EAST	OUTBOARD
A43	EAST	OUTBOARD
A37	WEST	OUTBOARD



SECTION 'A' - MAIN CABLE AND TEMPORARY CABLE BAND SHOWING BEARING PAD LOCATIONS



- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.
 3. Upon load transfer to new temporary suspender replacement supports, all existing temporary support elements shall be removed. Refer to sheet S04 general notes for proposed repair sequence.

TYPICAL ELEVATION AT TEMPORARY LONG REPAIR SUSPENDER
(TYPICAL VIEW SHOWN ON M35)

REPAIR 1

VERTICAL SUSPENDER REPLACEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025

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FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

DATE: 05/06/2025	CHECKED BY
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

LONG BRACKET DETAILS AT TEMP REPAIR

CROSSING
OHIO RIVER

ROUTE
US 62X

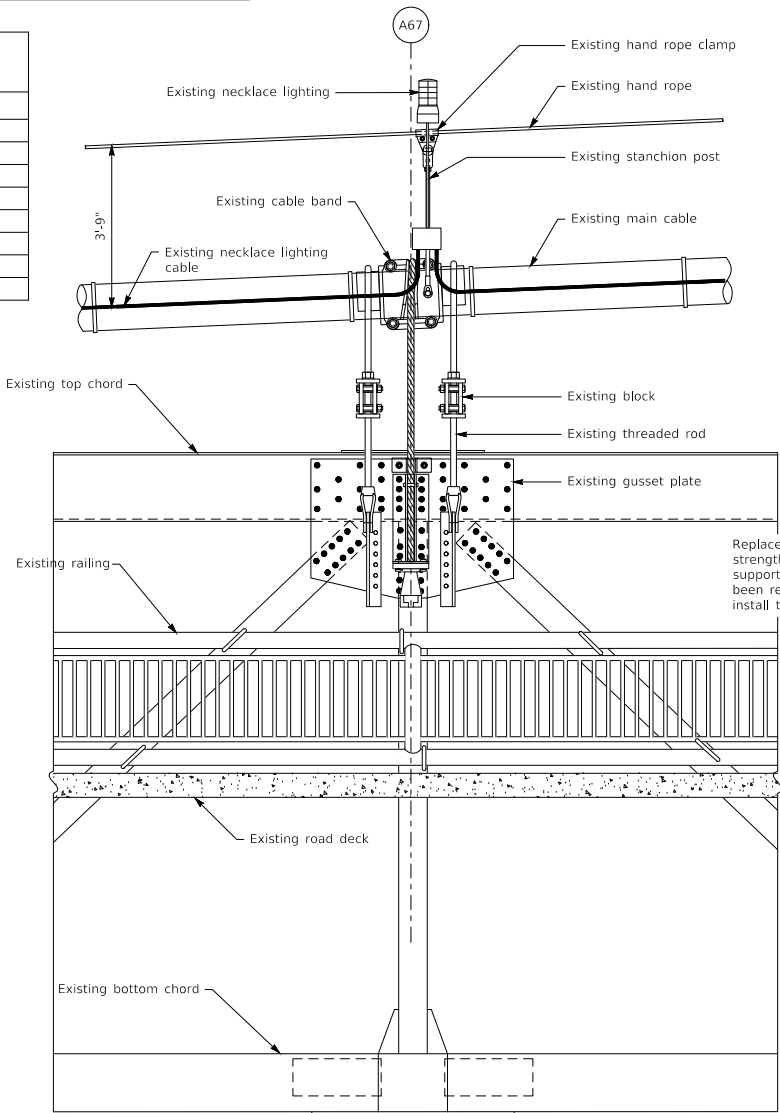
ITEM NO. 9-10091.00
SHEET NO. S06

COUNTY OF MASON
DRAWING NUMBER 28962

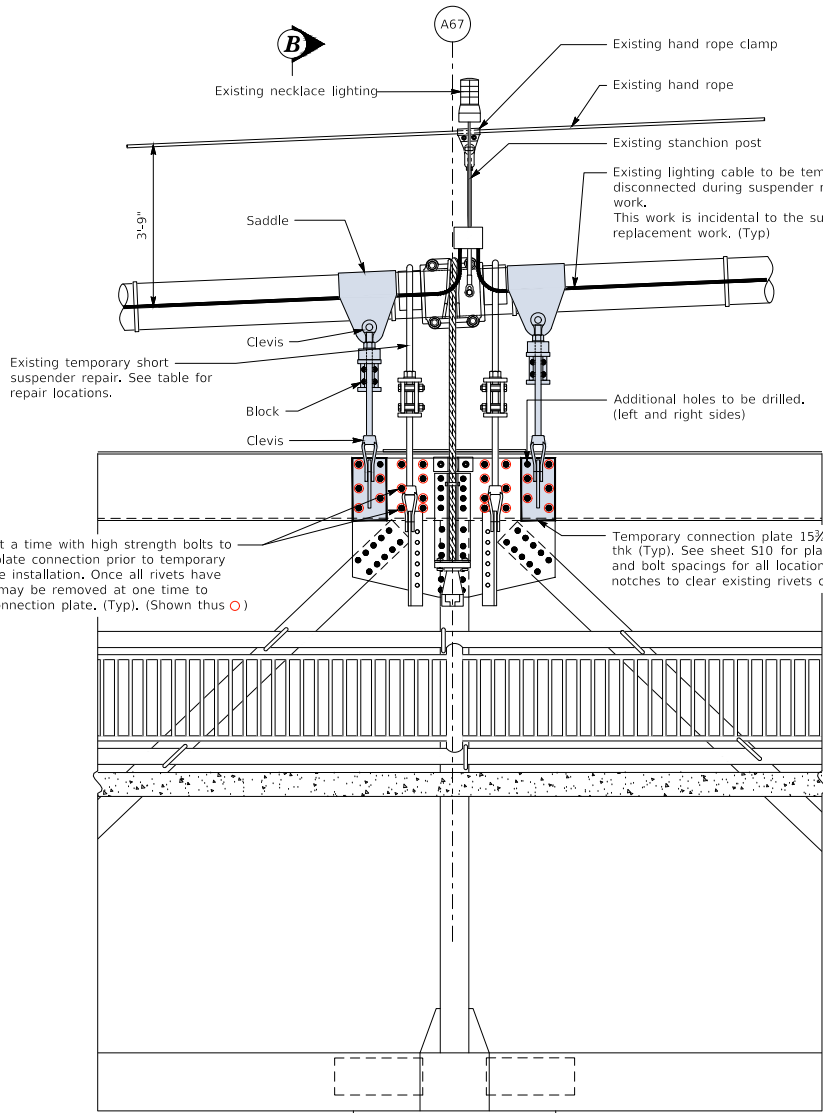
TEMPORARY SHORT SUSPENDER LOCATIONS	
PANEL No.	EAST / WEST CABLE
M3	EAST
M5	WEST
A67	EAST
A67	WEST
A65	EAST
A57	EAST
A55	WEST

SHORT CABLE LOCATIONS	
PANEL No.	PANEL No.
M1	A1
M3	A3
M5	A5
M61	A61
M63	A63
M65	A65
M67	A67
M69	A69

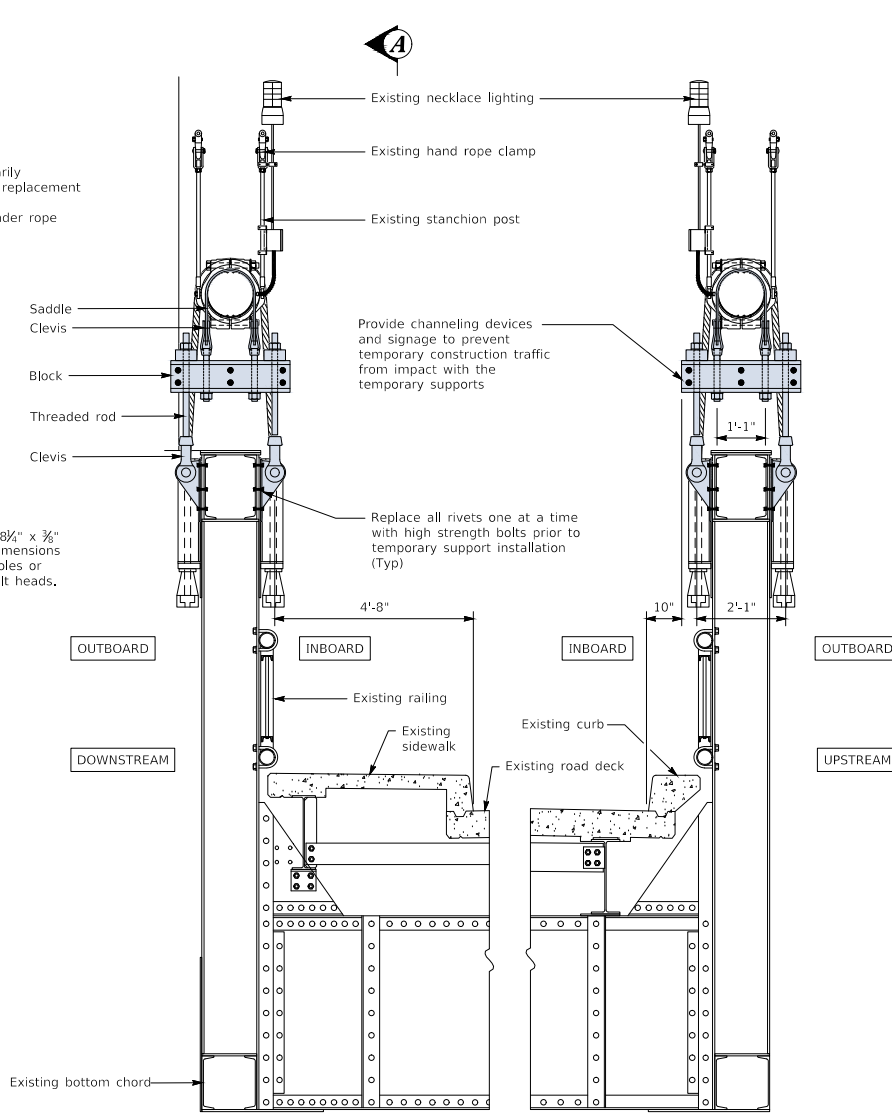
- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.
 3. Upon load transfer to new temporary suspender replacement supports, all existing temporary support elements shall be removed, refer to sheet S04 general notes for proposed repair sequence.



**SECTION 'A' - EXISTING TYPICAL ELEVATION
AT SHORT SUSPENDER
(TYPICAL VIEW SHOWN ON A67 - TEMPORARY REPAIR)**



**SECTION 'A' - PROPOSED TYPICAL ELEVATION
AT SHORT SUSPENDER
(TYPICAL VIEW SHOWN ON A67 - TEMPORARY REPAIR)**



**SECTION 'B'
TYPICAL BRIDGE SECTION**

REPAIR ①

VERTICAL SUSPENDER REPLACEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: BimsonE

REVISION	DATE

DATE PLOTTED: 02/05/2025



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DATE: 05/06/2025	CHECKED BY
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

TEMPORARY SUPPORT - SHORT CABLE
CROSSING
OHIO RIVER

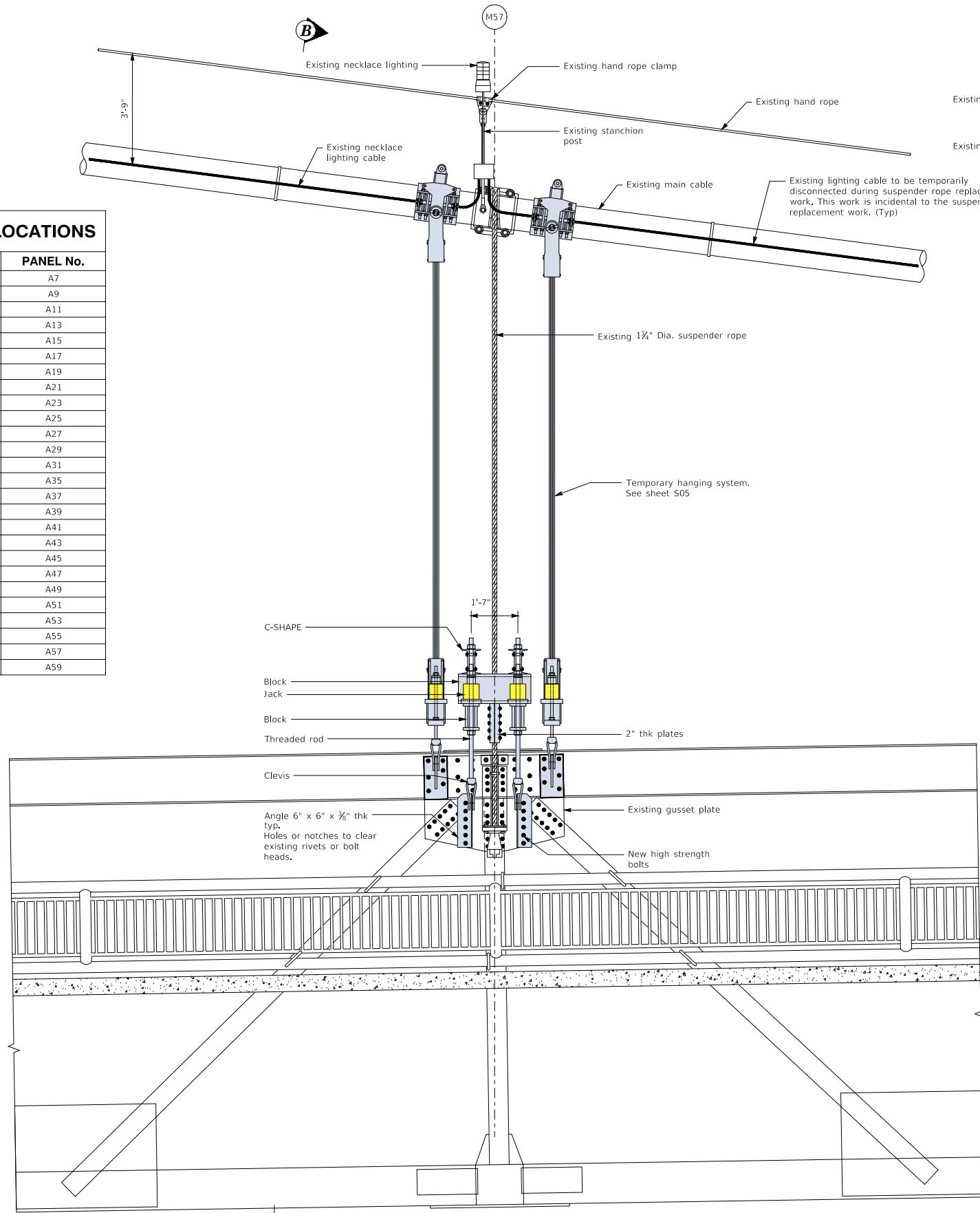
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US 62X

ITEM NO. 9-10091.00
SHEET NO. S07

COUNTY OF MASON
DRAWING NUMBER 28962

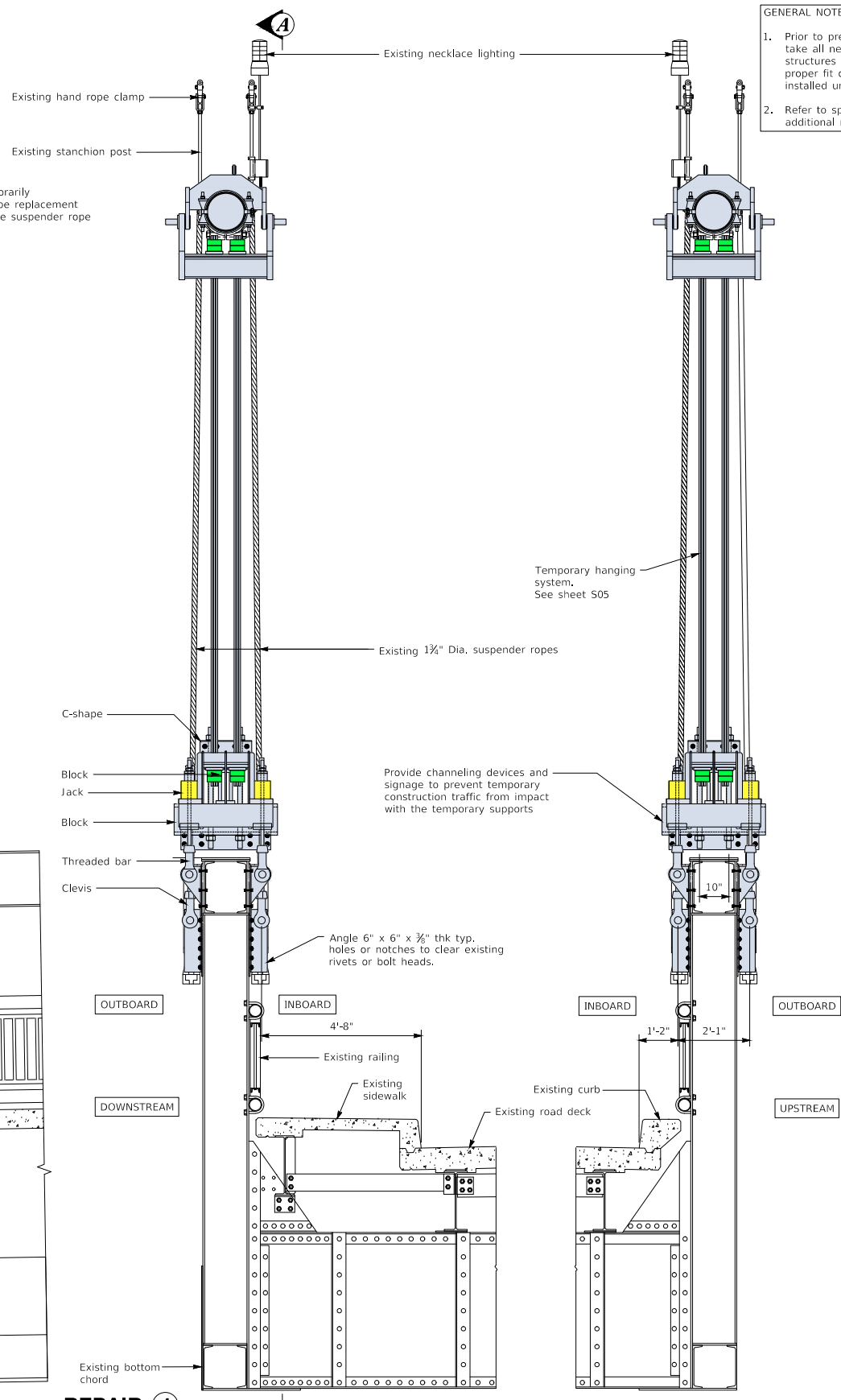
JACKING LOCATIONS

PANEL No.	PANEL No.
M7	A7
M9	A9
M11	A11
M13	A13
M15	A15
M17	A17
M19	A19
M21	A21
M23	A23
M25	A25
M27	A27
M29	A29
M31	A31
M35	A35
M37	A37
M39	A39
M41	A41
M43	A43
M45	A45
M47	A47
M49	A49
M51	A51
M53	A53
M55	A55
M57	A57
M59	A59



B

SECTION 'A' - (TYPICAL VIEW SHOWN ON M57)



A

SECTION 'B'

- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION

DATE



PREPARED BY
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www.aecom.com

DATE: 05/06/2025

DESIGNED BY: N.KIRN

DETAILED BY: M.BULMER

CHECKED BY

J.PUDLEINER

N.KIRN

JACKING DEVICE

CROSSING
OHIO RIVER

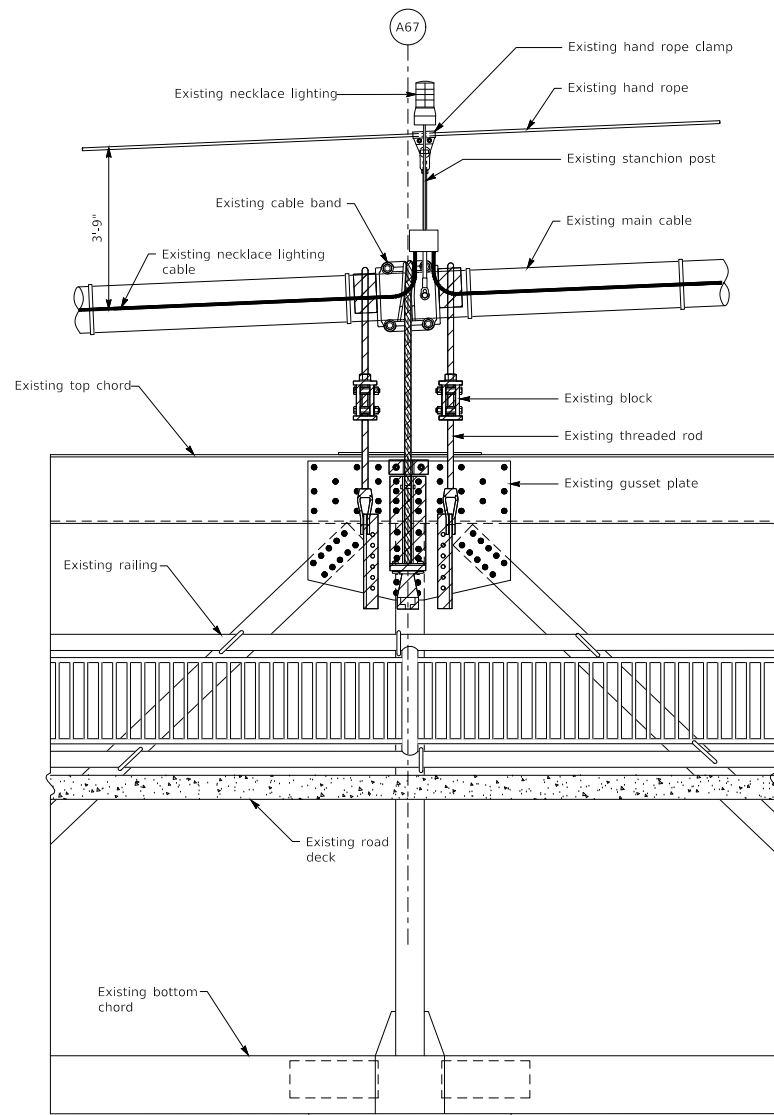
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S08

COUNTY OF
MASON
DRAWING NUMBER
28962

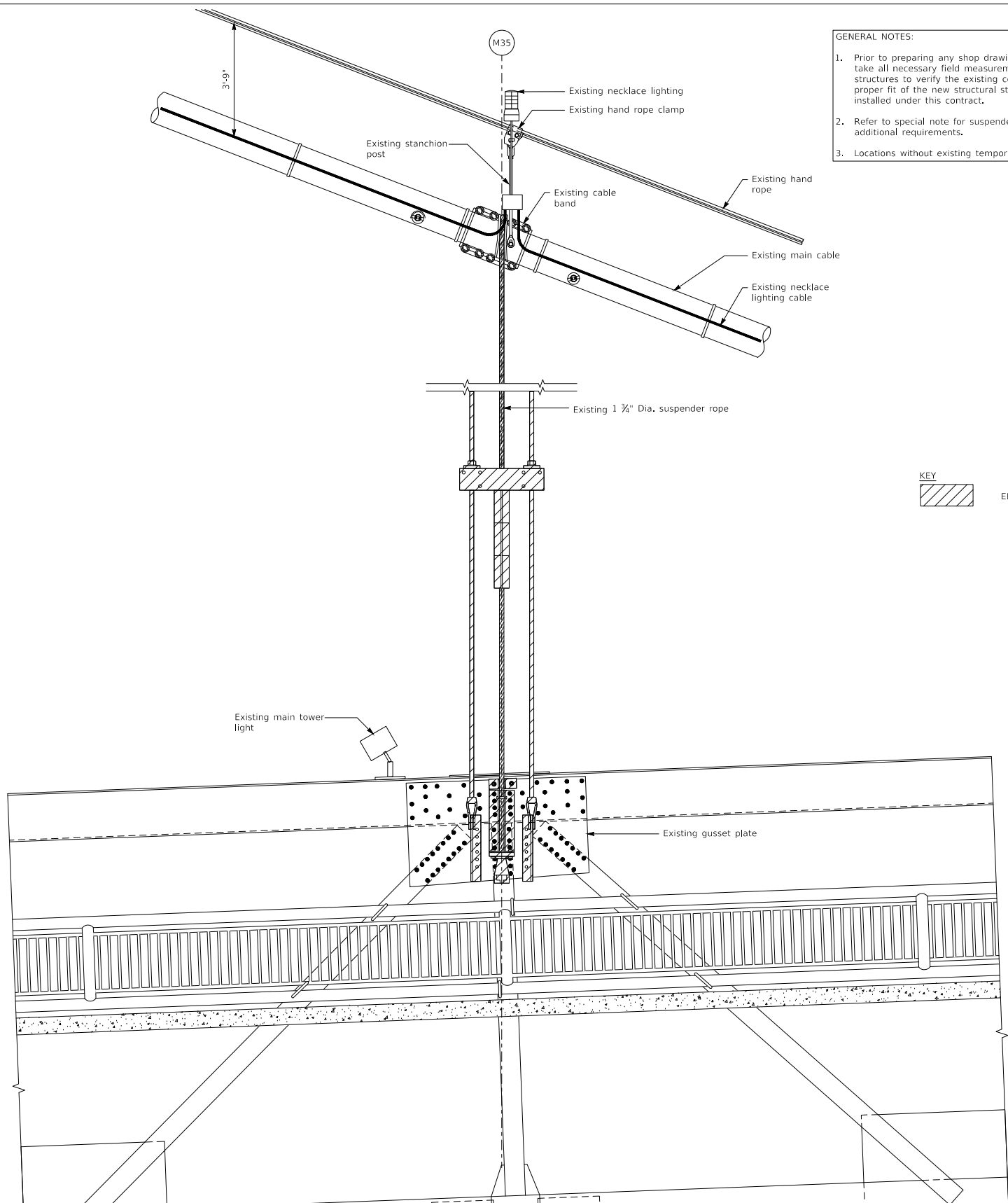
DATE PLOTTED: 02/05/2025

FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP



**EXISTING SHORT SUSPENDER REMOVAL LIMITS WITH
EXISTING TEMPORARY SUPPORTS**

REPAIR ①
VERTICAL SUSPENDER REPLACEMENT



**EXISTING LONG SUSPENDER REMOVAL LIMITS WITH
EXISTING TEMPORARY SUPPORTS**

- GENERAL NOTES:**
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.
 3. Locations without existing temporary supports similar

KEY
ELEMENTS TO BE REMOVED



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025

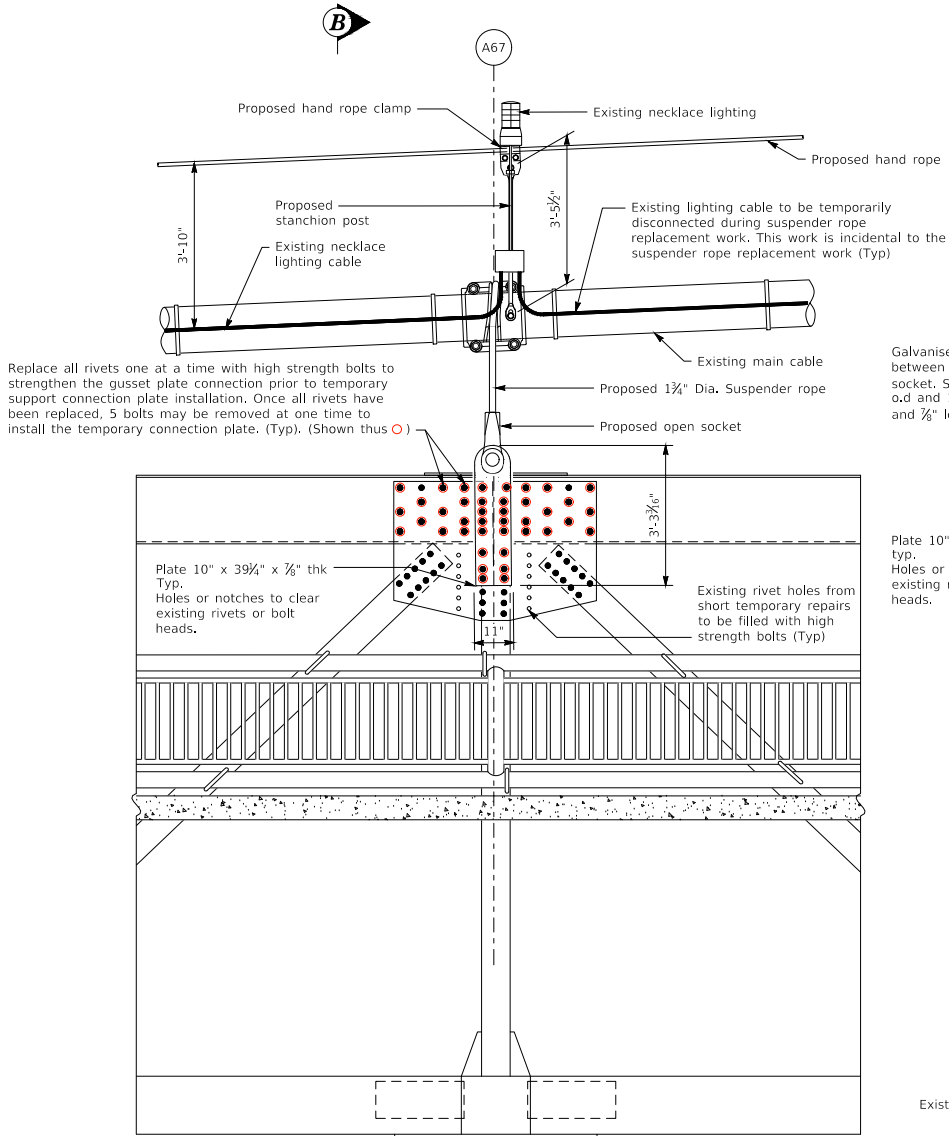
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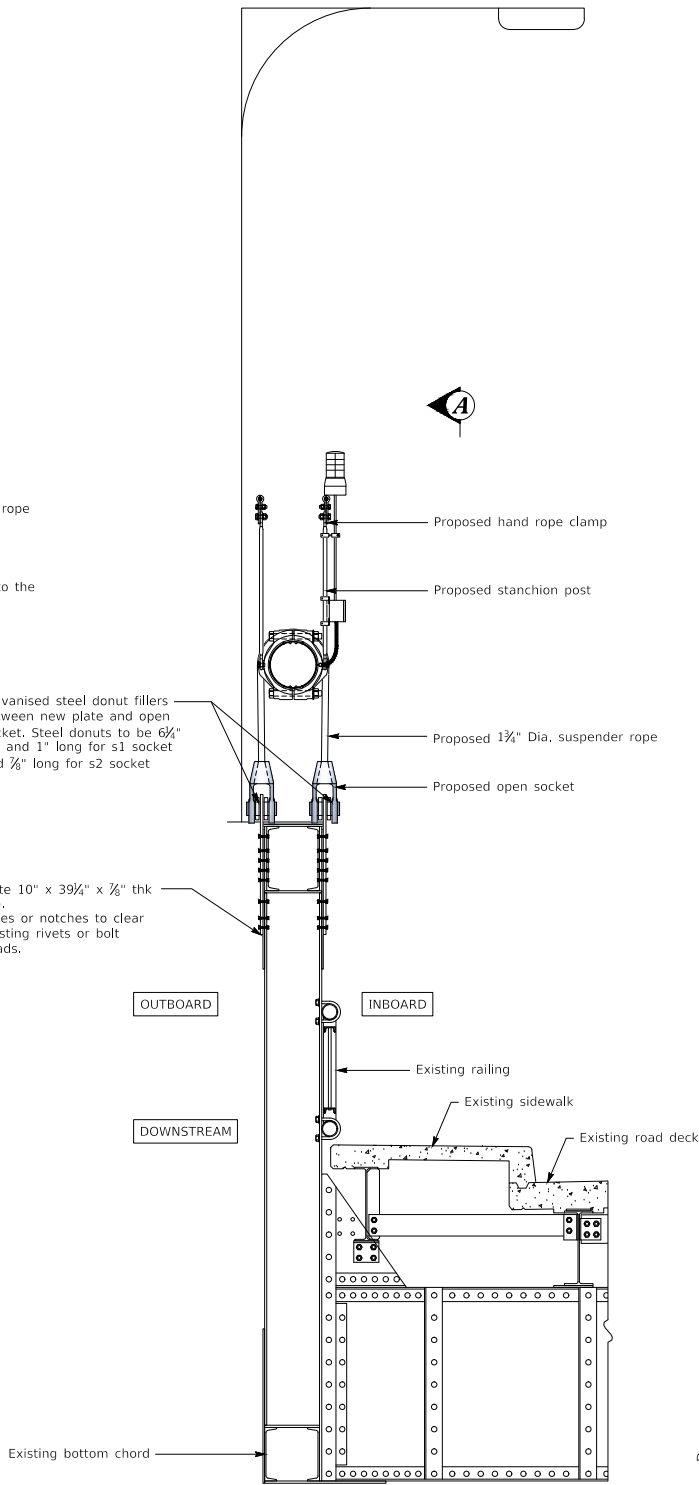
DATE: 05/06/2025	CHECKED BY
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

SUSPENDER ROPE REMOVAL DETAILS
CROSSING
OHIO RIVER

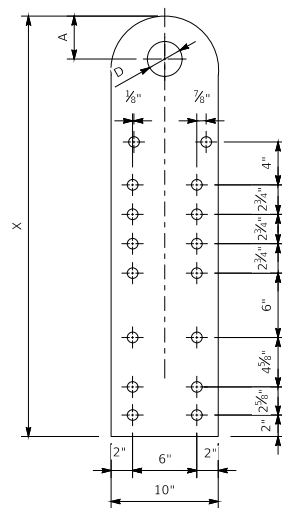
ROUTE US 62X	ITEM NO. 9-10091.00	COUNTY OF MASON
	SHEET NO. S09	DRAWING NUMBER 28962



**SECTION 'A' - PROPOSED TYPICAL ELEVATION
AT SHORT SUSPENDER
(TYPICAL VIEW SHOWN ON A67 - TEMPORARY REPAIR)**



**SECTION 'B'
TYPICAL BRIDGE SECTION**



CONNECTION PLATE TYPE 1 LOCATIONS	
PANEL No.	PANEL No.
M9	A9
M11	A11
M13	A13
M15	A15
M17	A17
M19	A19
M21	A21
M23	A23

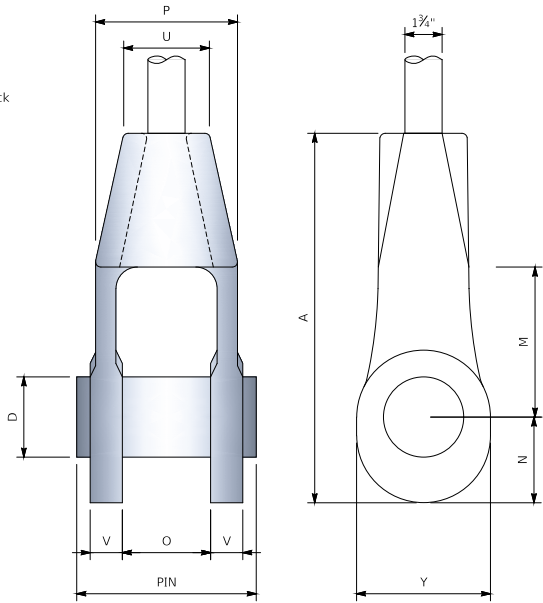
CONNECTION PLATE DIMENSIONS			
	X	A	D
TYPE 1	41"	5"	3 ⁷ / ₃₂ "
TYPE 2	40 ¹ / ₄ "	5"	3 ⁷ / ₃₂ "
TYPE 3	39 ¹ / ₄ "	4 ¹ / ₂ "	3 ¹ / ₂ "

CONNECTION PLATE TYPE 2 LOCATIONS	
PANEL No.	PANEL No.
M1	A1
M3	A3
M5	A5
M7	A7
M25	A25
M27	A27
M29	A29
M31	A31
M35	A35
M37	A37
M39	A39
M41	A41
M43	A43
M45	A45
M47	A47
M49	A49
M51	A51
M53	A53
M55	A55
M57	A57
M59	A59
M61	A61
M63	A63
M65	A65
M67	A67

CONNECTION PLATE TYPE 3 LOCATIONS	
PANEL No.	PANEL No.
M69	A69

CONNECTION PLATE DETAILS

- GENERAL NOTES:
- Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 - Refer to special note for suspender rope replacement for additional requirements.



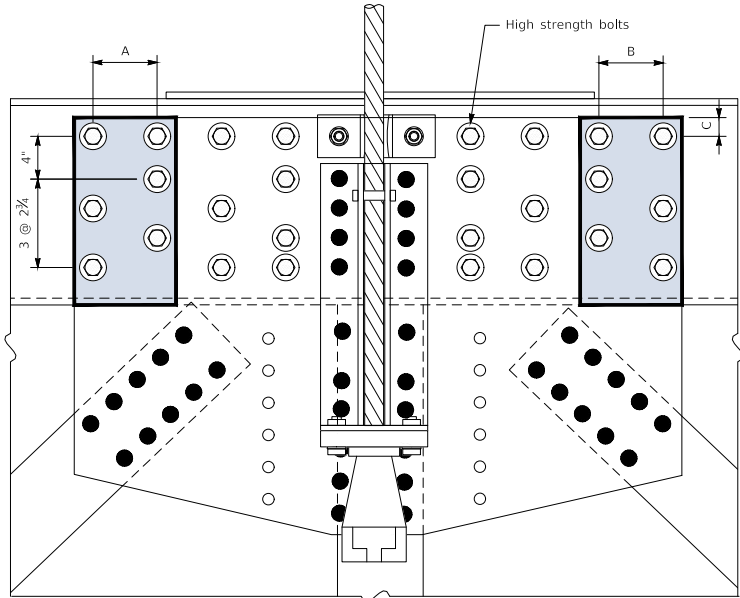
OPEN STRAND SOCKETS DIMENSIONS (in)										
	A	M	N	O	P	U	V	Y	D	PIN
S1	17¼	7	4	4½	6¾	4	1½	6¾	3¾	8¾
S2	15½	5½	4	3½	5½	4	1¼	6¾	3¾	7¾

- NOTES:
- S1 Socket for all locations other than A69 and M69
- S2 Socket for A69 and M69

OPEN STRAND SOCKETS DETAILS

- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for suspender rope replacement for additional requirements.

		LEFT SIDE		RIGHT SIDE		
PANEL No.	PANEL No.	A (in)	MIN. REQ'D WIDTH (in)	B (in)	MIN. REQ'D WIDTH (in)	C (in)
M1	A1	6	8¼	5½	8	1¾
M3	A3	5½	8	4½	8	1¾
M5	A5	4½	8	3½	8	1¾
M7	A7	4	8	5½	8	1¾
M9	A9	5	8	5	8	2½
M11	A11	5	8	6	8¼	2½
M13	A13	6	8¼	4	8	2½
M15	A15	3½	8	4	8	2½
M17	A17	3½	8	4	8	2½
M19	A19	3½	8	6	8¼	2½
M21	A21	6	8¼	5	8	2½
M23	A23	5	8	5	8	2½
M25	A25	5	8	4½	8	1¾
M27	A27	3½	8	4½	8	1¾
M29	A29	4½	8	5½	8	1¾
M31	A31	5½	8	5½	8	1¾
M35	A35	4¾	8	6	8¼	1¾
M37	A37	4½	8	4¾	8	1¾
M39	A39	8¼	10½	8¼	10½	1¾
M41	A41	8¼	10½	6	8¼	1¾
M43	A43	6	8¼	6	8¼	1¾
M45	A45	6	8¼	6	8¼	1¾
M47	A47	6	8¼	4	8	1¾
M49	A49	3½	8	3¾	8	1¾
M51	A51	3½	8	3¾	8	1¾
M53	A53	3½	8	3¾	8	1¾
M55	A55	3½	8	6	8¼	1¾
M57	A57	6	8¼	6	8¼	1¾
M59	A59	6	8¼	6	8¼	1¾
M61	A61	6	8¼	6	8¼	1¾
M63	A63	6	8¼	6	8¼	1¾
M65	A65	6	8¼	6	8¼	1¾
M67	A67	6	8¼	6	8¼	1¾
M69	A69	6	8¼	6	8¼	1¾



NOTE:
Gusset plate profile varies
Clevis and bracket to temporary
plate omitted for clarity

TYPICAL TEMPORARY SUPPORT CONNECTION
DETAILS BY PANEL POINT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025

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FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

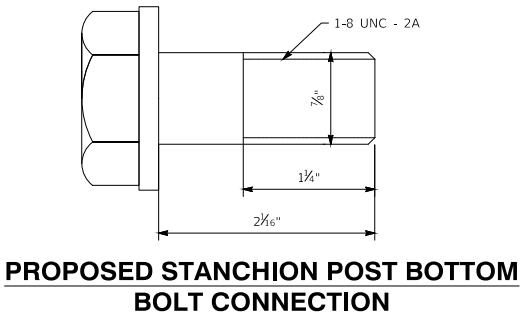
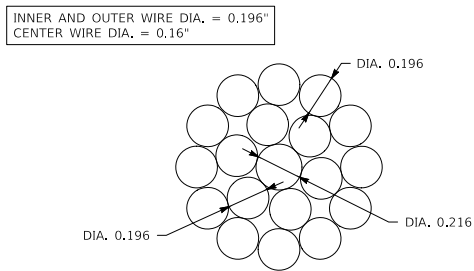
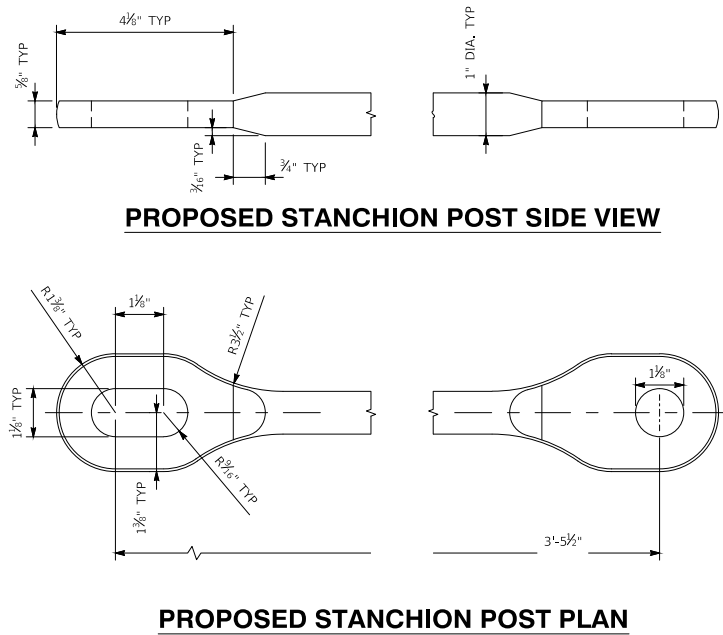
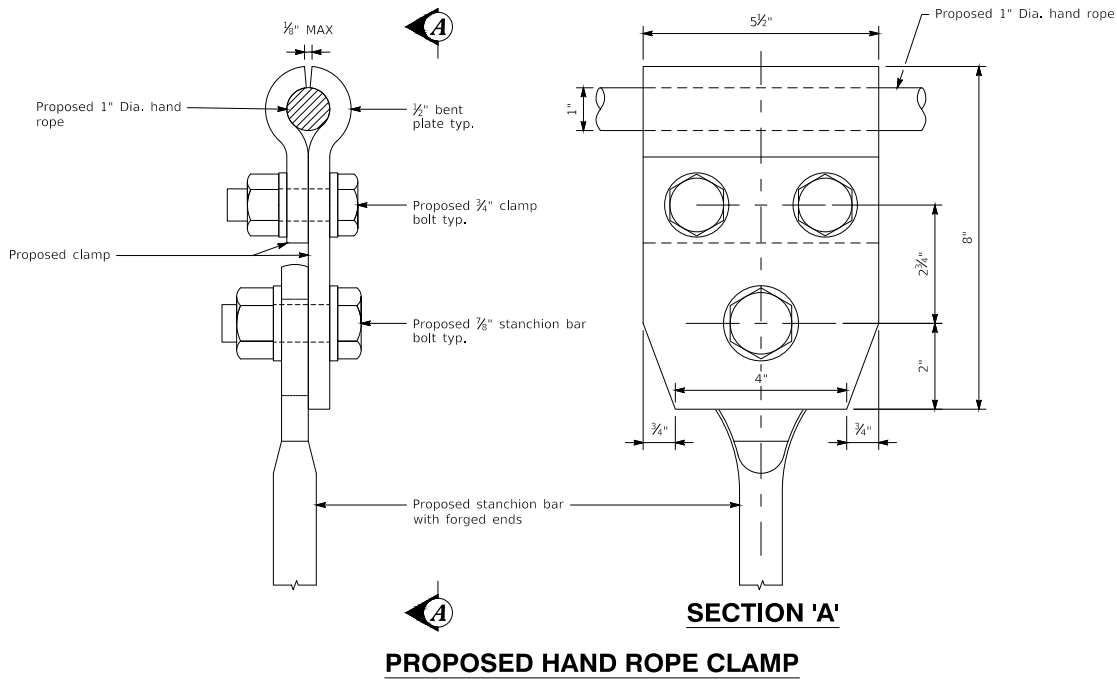
DATE: 05/06/2025	CHECKED BY
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

TEMPORARY SUPPORT BRACKET DETAILS

CROSSING
OHIO RIVER

ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S11	COUNTY OF MASON DRAWING NUMBER 28962
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- GENERAL NOTES:
1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
 2. Refer to special note for hand rope replacement for additional requirements.

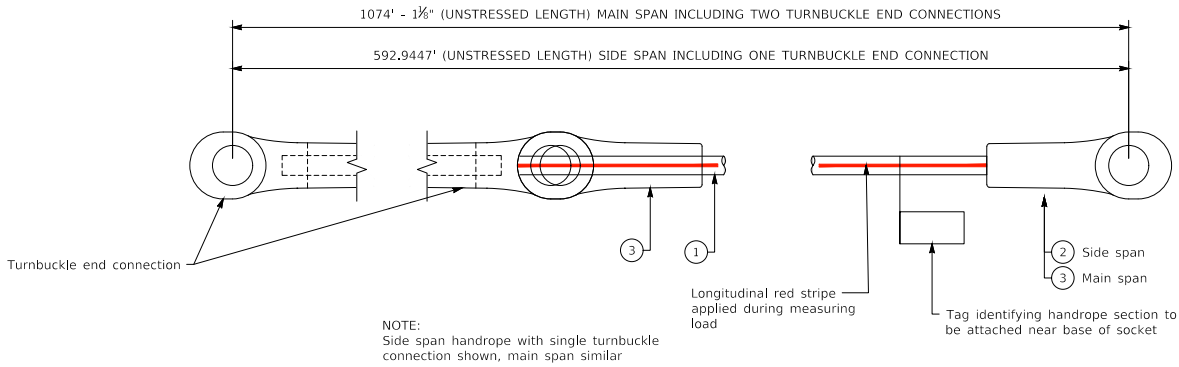


NOTE:
At locations where handrope makes contact with existing light posts and railings, contractor shall install sacrificial softeners on both the hand rope and the light post/railing, see example detail below.

PROPOSED HAND ROPE STRAND DETAIL

ITEM No.	PART No.	DESCRIPTION
1	1" strand	1" x 1x19 Class A coating inner wires, Class C coating outer wires, GR1 A586 Structural Strand

- HAND ROPE STRAND NOTES:
1. STRAND - 1" 1x19 CLASS A COATING INNER WIRES, CLASS C COATING OUTER WIRES GRADE 1 ASTM A586
 - MBF = 122,000 LBS
 2. PRESTRETCH
 - PRESTRETCH LOAD: 50% OF MBF = 61,000 LBS
 - HOLD 5 MINUTES
 - RELAX TO 5% OF MBF = 24,400 LBS
 - REPEAT TOTAL OF 3 CYCLES
 3. MEASURING LOAD: 20% OF MBF = 24,400 LBS
 - LONGITUDINAL RED STRIPE APPLIED DURING MEASURING LOAD
 - TOLERANCE +/- 1/2" PER 100'
 4. SOCKETS TO BE ZINC POURED
 - STANDARD WIRECO PRACTICES TO BE USED
 5. PROOFLOAD TO 50% OF MBF = 61,000 LBS



ITEM No.	PART No.	DESCRIPTION
1	1" STRAND	1" x 1x19 CLASS A COATING INNER WIRES, CLASS C COATING OUTER WIRES GR1 A586 STRUCTURAL STRAND
2	1" STRAND OPEN SOCKET	OPEN SOCKET WITH 2 1/4" PIN FOR 1" STRAND
3	1" STRAND CLOSED SOCKET	CLOSED SOCKET FOR 1" STRAND

REPAIR ②

HANDROPE AND STANCHION REPLACEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: barbermj

REVISION	DATE

DATE PLOTTED: 02/05/2025

PREPARED BY
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FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

DATE: 05/06/2025	CHECKED BY
DESIGNED BY: N.KIRN	J.PUDLEINER
DETAILED BY: M.BULMER	N.KIRN

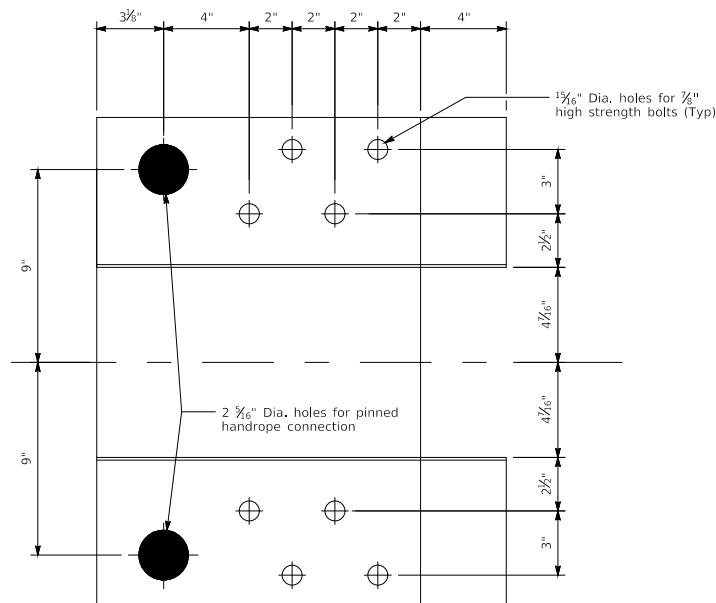
HANDROPE AND STANCHION REPLACEMENT

CROSSING
OHIO RIVER

ROUTE
US 62X

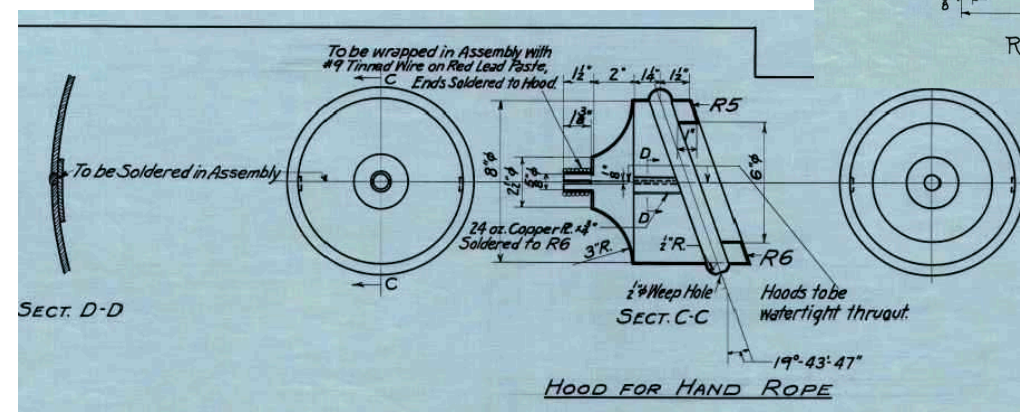
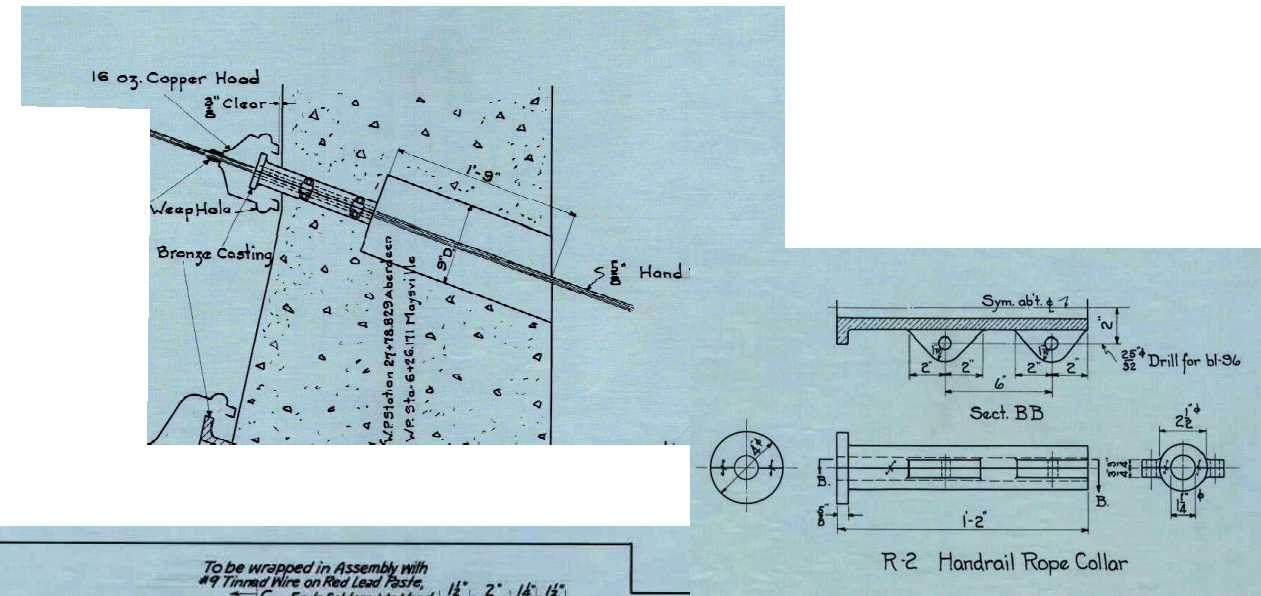
ITEM NO.
9-10091.00
SHEET NO.
S12

COUNTY OF
MASON
DRAWING NUMBER
28962



GENERAL NOTES:

1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
2. Refer to special note for hand rope replacement for additional requirements.



NOTE
Hand rope hood at face of anchorage to be replaced with a galvanized steel cover. Replacement hood to be sealed so as to be water and air tight. Bronze handrope collar (R-2) to be reused.

REPAIR ②

HANDROPE AND STANCHION REPLACEMENT

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

USER: barbermi

	REVISION	DATE
thermi	DATE PLOTTED: 02/05/2025	

DATE PLOTTED: 02/05/2025



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FILE NAME: KYTC-SIMON-KENTON-BRIDGE WIP

DATE: 05/06/2025

DESIGNED BY: N.KIRN

DETAILED BY: M.BULMER

CHECKED BY

J. PUDLEINER

N.KIRN

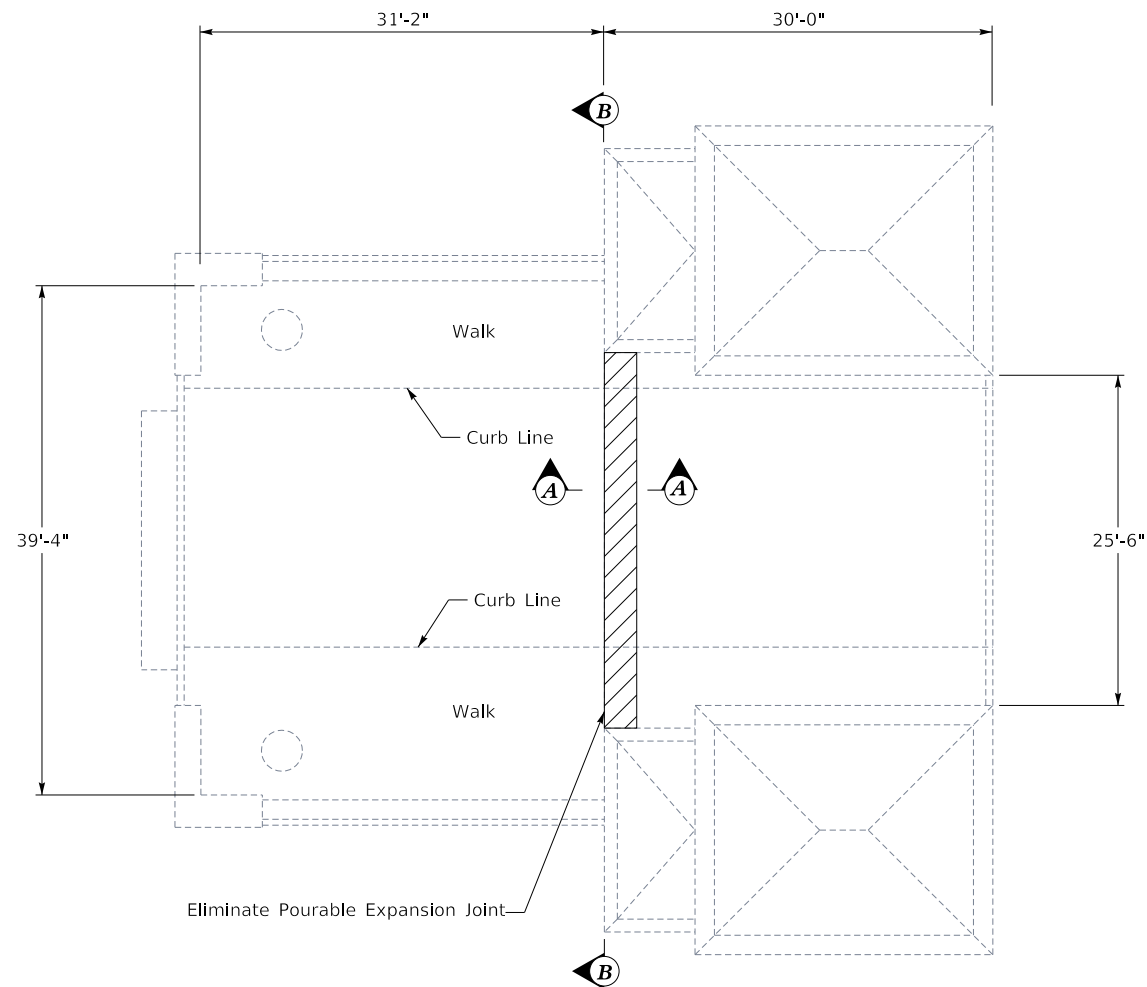
HANDROPE AND STANCHION REPLACEMENT

CROSSING
OHIO RIVER

ROUTE
US 62X

ITEM NO.	
9-10091.00	
SHEET NO.	
S13	

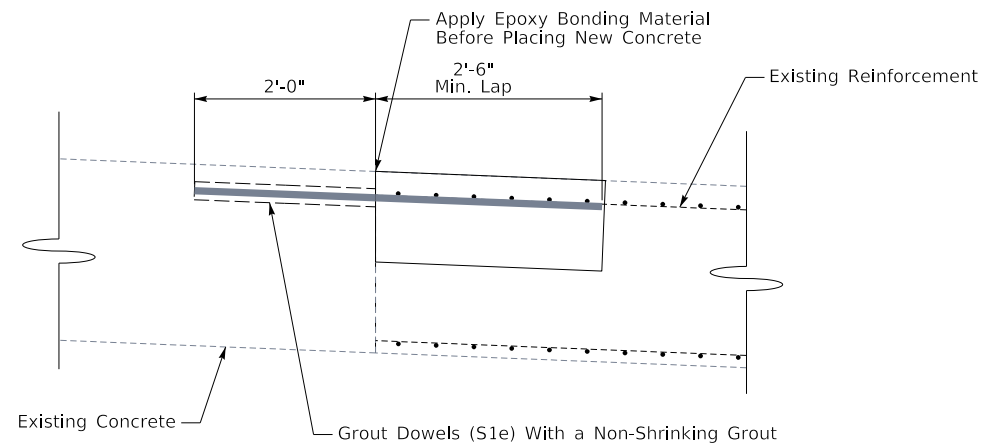
COUNTY OF
MASON
DRAWING NUMBER
28962



PLAN

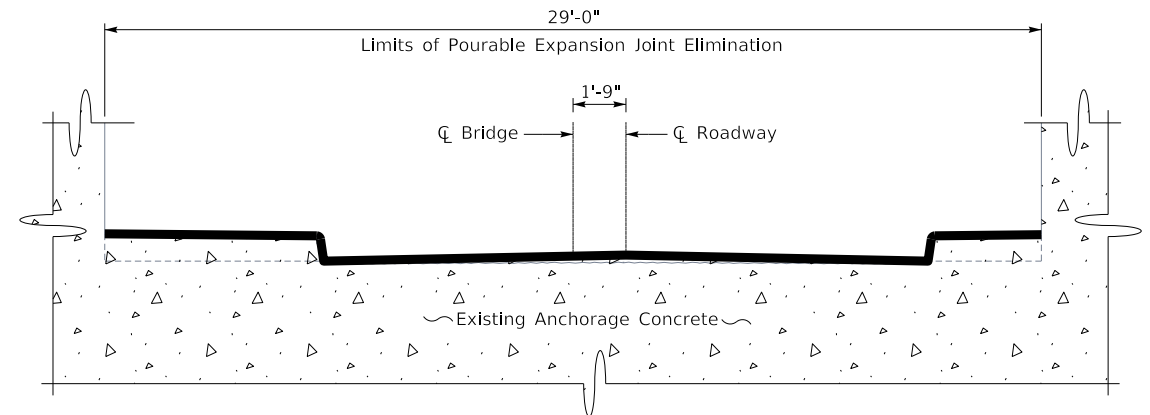
= Removal Limits

Maysville Anchorage Shown
Aberdeen Anchorage Similar



DOWEL DETAIL

- The cost of drilling holes, grouting, and epoxy bond material shall be considered incidental to the unit price bid for Eliminate Transverse Joint.

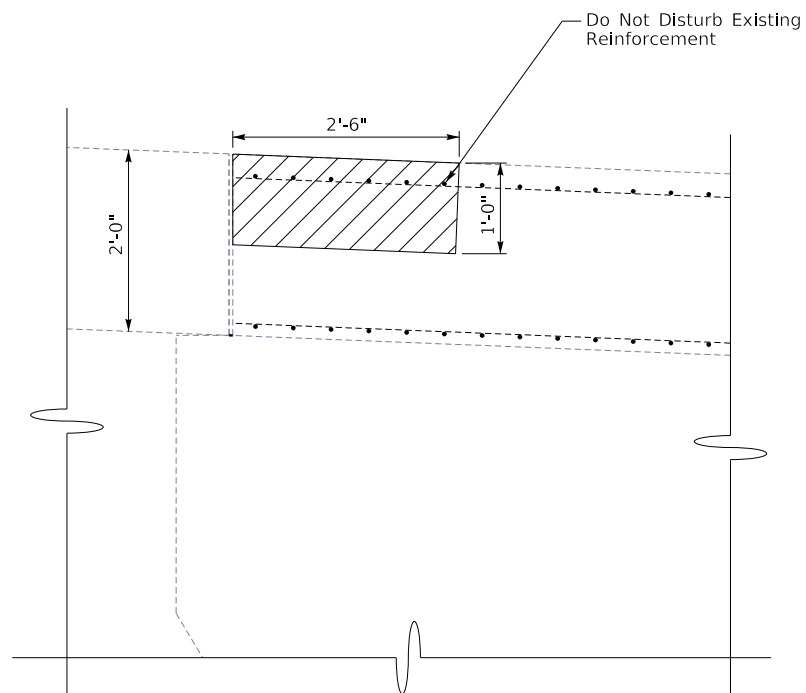


SECTION B-B

REPAIR 3 ELIMINATE TRANSVERSE JOINT

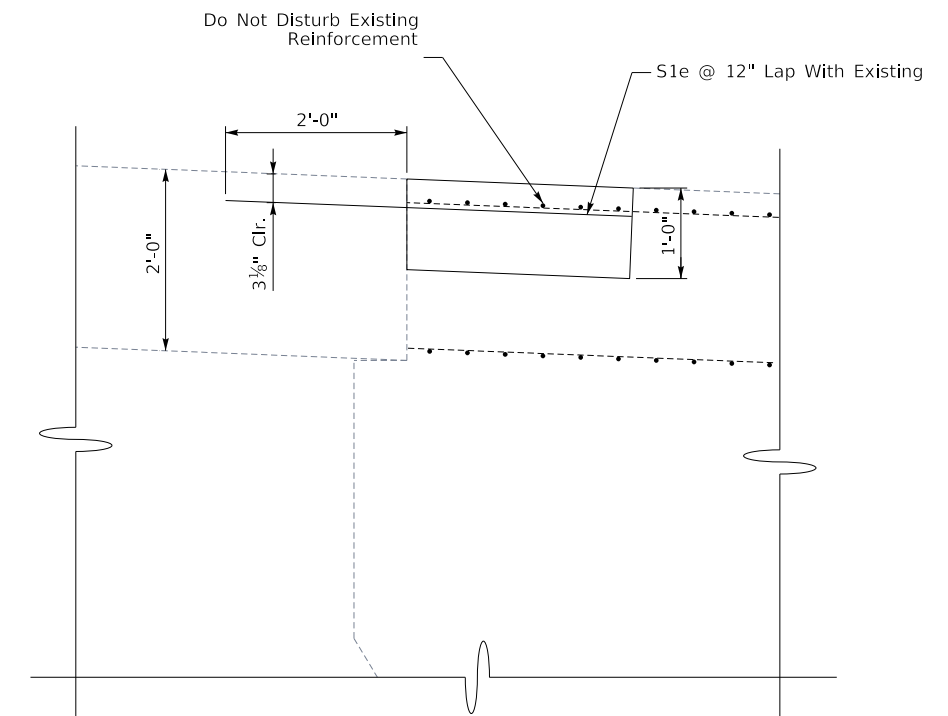
Repair 3 - Eliminate Transverse Joint

1. Eliminate transverse pourable expansion joints above the Maysville and Aberdeen anchorages by removing the existing joint and constructing a continuous slab.
2. See the Special Note for Eliminate Joints.



= Removal Limits

SECTION A-A EXISTING



SECTION A-A PROPOSED

	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS		REVISION 	DATE 	PREPARED BY AECOM 500 West Jefferson Street Suite 1600 Louisville, KY 40202-4251 www.aecom.com	DATE: 05/06/2025 DESIGNED BY: D. Liem DETAILED BY: D. Liem	CHECKED BY J. Whelan J. Whelan	ELIMINATE TRANSVERSE JOINT CROSSING OHIO RIVER	ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S15	COUNTY OF MASON DRAWING NUMBER 28962

USER: LiemD

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

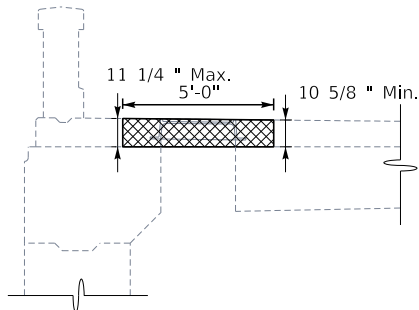


REPAIR 4
ANCHORAGE WATERPROOFING
EPOXY URETHANE OVERLAY

Repair 4 - Anchorage Waterproofing

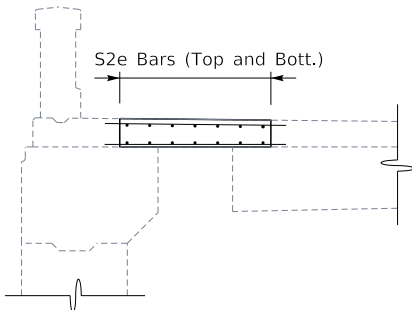
1. Eliminate manhole covers in sidewalks of Maysville and Aberdeen Anchorages.
2. Place $\frac{3}{8}$ " Epoxy-Urethane Waterproofing Overlay on Maysville and Aberdeen Anchorages.

Epoxy Overlay top of slab and sidewalk



SECTION C-C

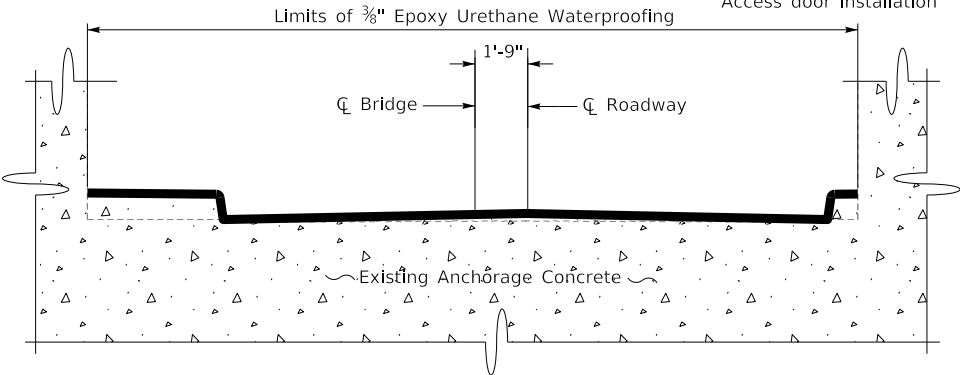
= Limits of Removal



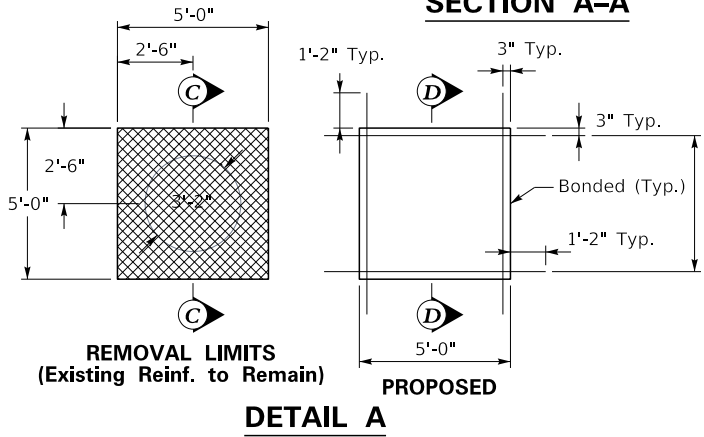
SECTION D-D

NOTES

1. Grout S1e bars into existing concrete with Hilti Hit-re 500 V3, or approved equal epoxy mortar in accordance with the manufacturer's specifications. Include the cost of furnishing and placing the epoxy mortar in the price of the reinforcement.
2. See the Special Note for $\frac{3}{8}$ " Epoxy-Urethane Waterproofing Overlay for Bridge Decks.
3. The cost of drilling holes, grouting, and epoxy bond material shall be considered incidental to the unit price bid for Concrete Class M1.
4. The unit price bid for Concrete Class M1 and Steel Reinforcement Epoxy Coated shall be considered full compensation for all labor, drilling, materials, equipment, tools and incidentals necessary to complete the manhole elimination work as shown.
5. Manhole elimination work shall not be completed until after completion of Repair 12 - Anchorage Access door installation

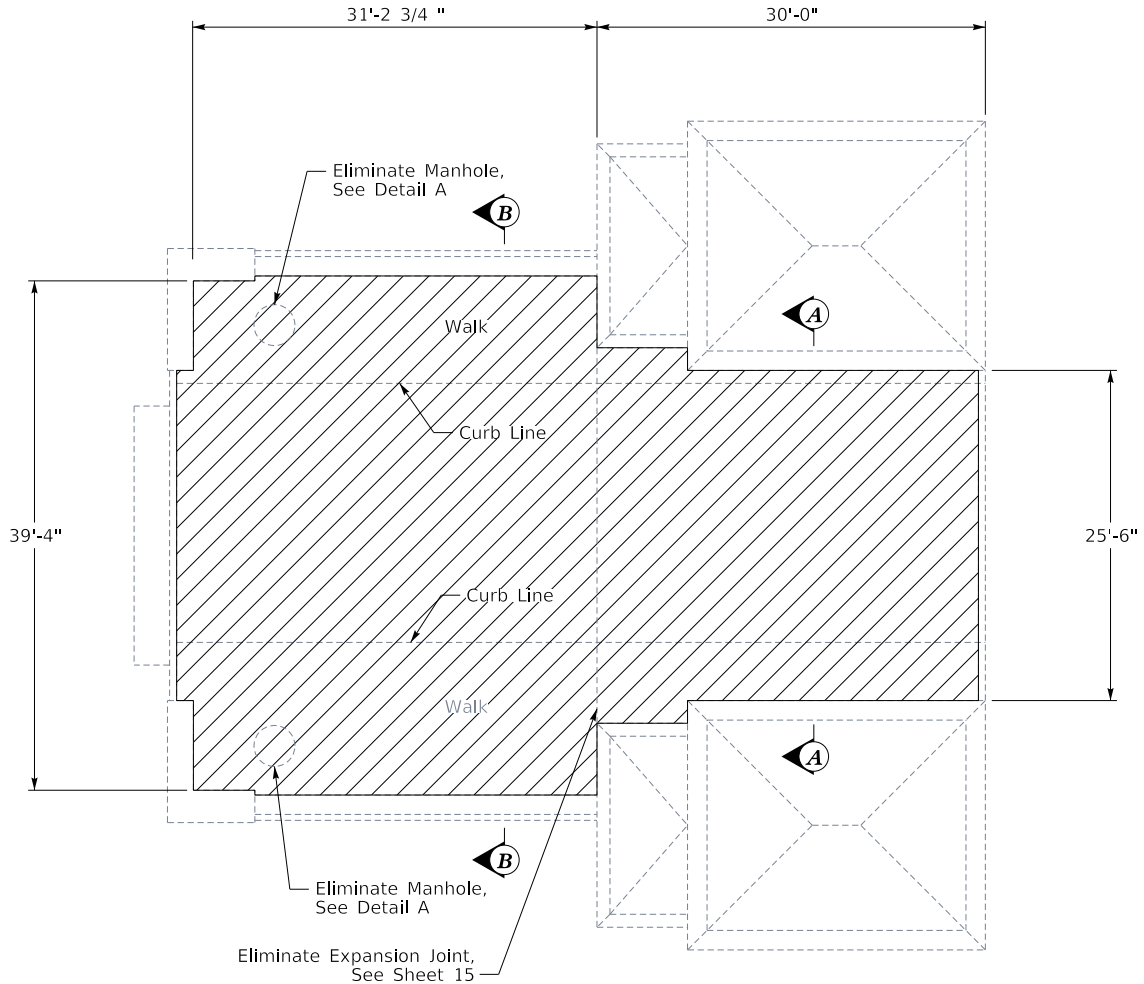


SECTION A-A



S2e @ 6" (Top and Bott.)
(Both Directions)

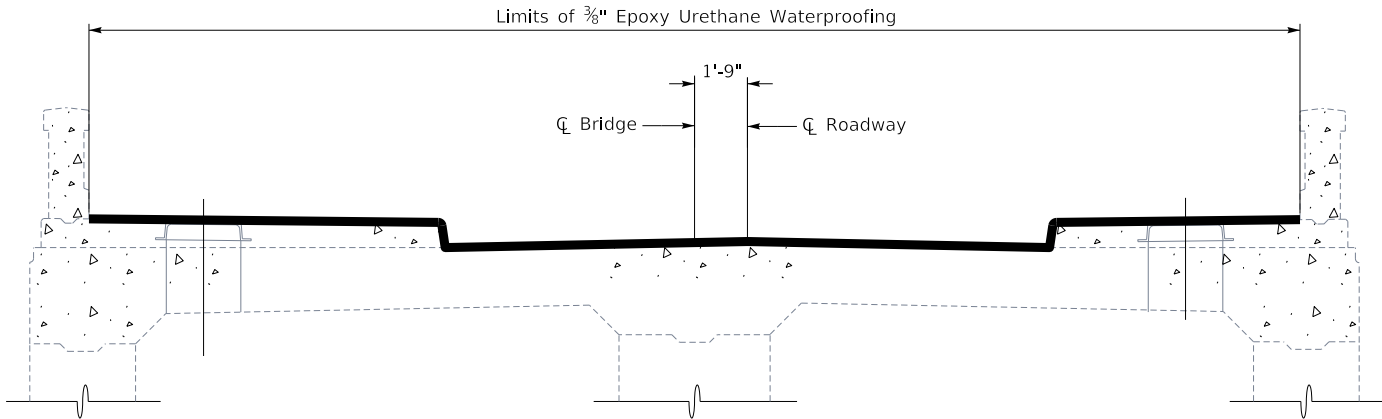
BILL OF REINFORCEMENT						
MARK	TYPE	NO.	SIZE	LENGTH		LOCATION
				FT.	IN.	
S1e	Str.	64	5	4	6	Slab
S2e	Str.	160	6	7	4	Sidewalk



PLAN

= Limits of Waterproofing

Maysville Anchorage Shown
Aberdeen Anchorage Similar



SECTION B-B



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION

DATE



PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

DATE: 05/06/2025

DESIGNED BY: J. Whelan

DETAILED BY: D. Liem

CHECKED BY

D. Liem

J. Whelan

ANCHORAGE WATERPROOFING

CROSSING
OHIO RIVER

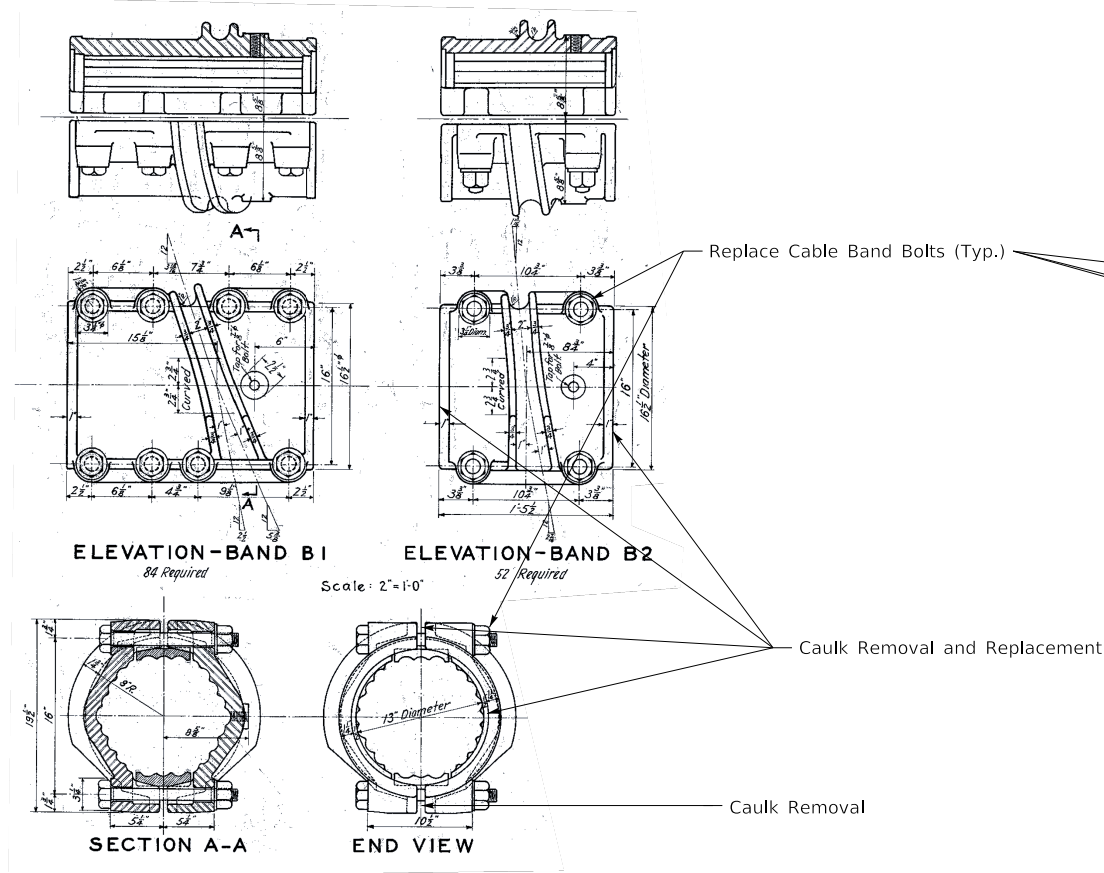
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S16

COUNTY OF
MASON
DRAWING NUMBER
28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

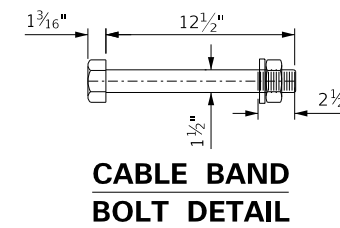
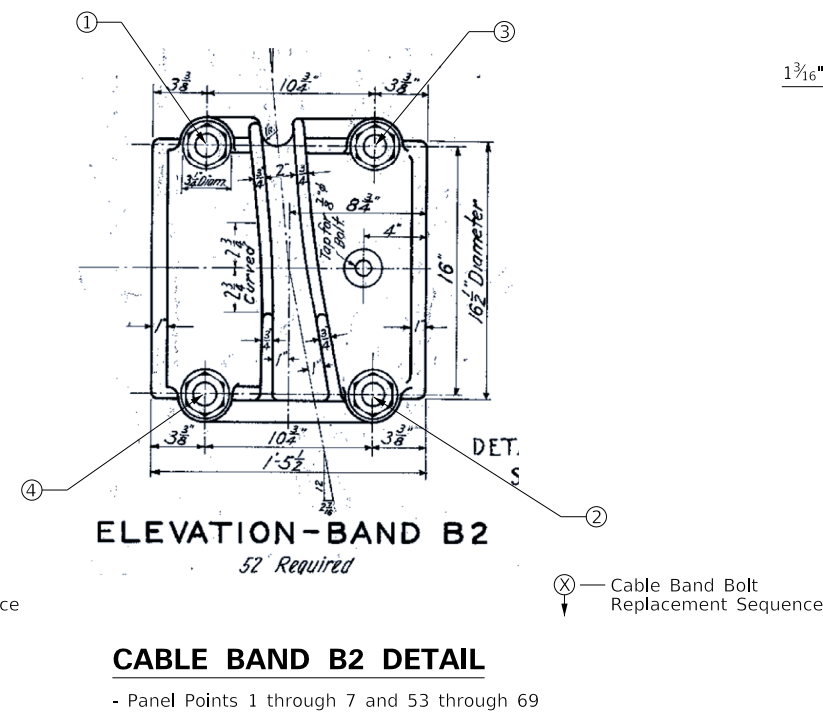
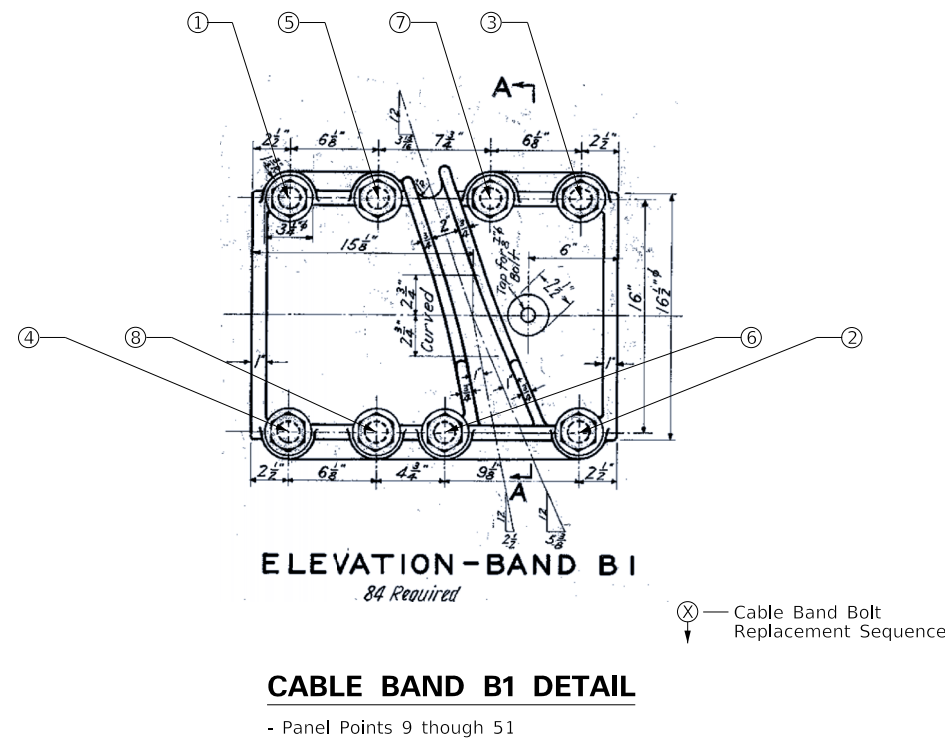


REPAIR 5

CABLE BAND BOLT REPLACEMENT

Repair 5 - Cable Band Bolt Replacement

1. See the Special Note for Cable Band Bolt Replacement.

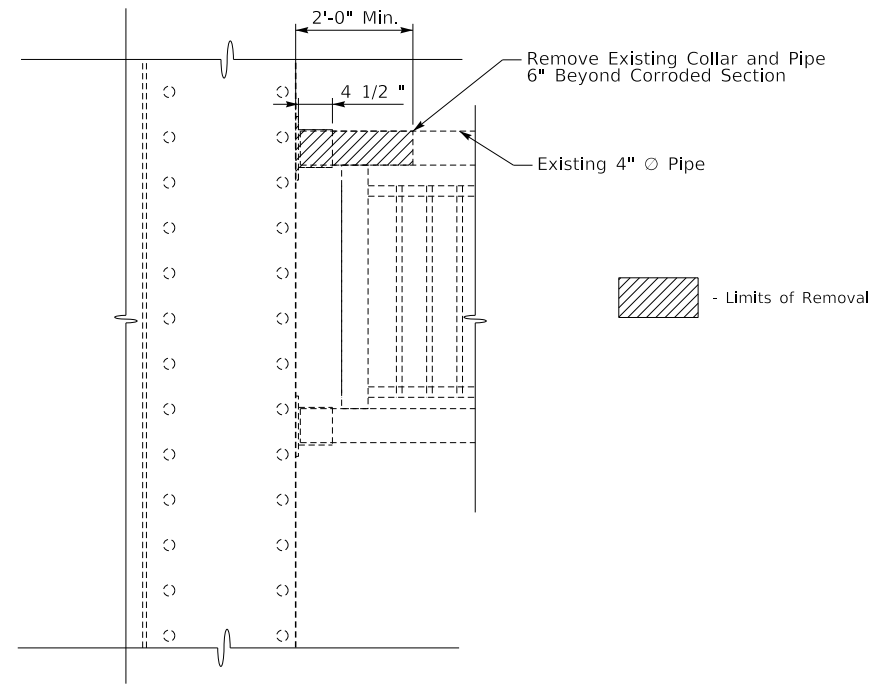


	COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS		REVISION DATE	PREPARED BY AECOM 500 West Jefferson Street Suite 1600 Louisville, KY 40202-4251 www.aecom.com	DATE: 08/25/2025 DESIGNED BY: N. Kim DETAILED BY: D. Liem	CHECKED BY J. Pudlener J. Whelan	CABLE BAND BOLT REPLACEMENT CROSSING OHIO RIVER	ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S17	COUNTY OF MASON DRAWING NUMBER 28962

USER: LiemD

DATE PLOTTED: 08/25/2025

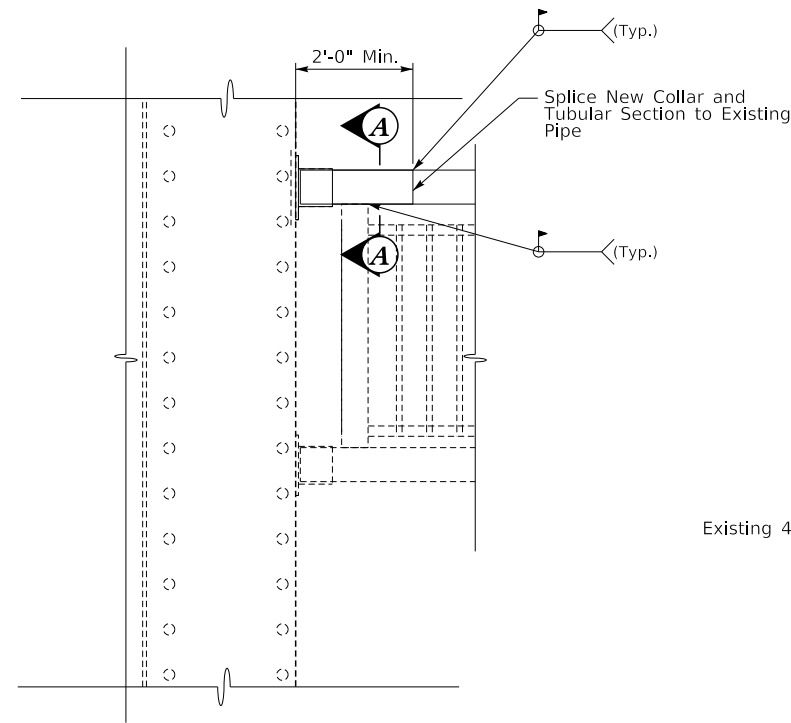
FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 08-25-25



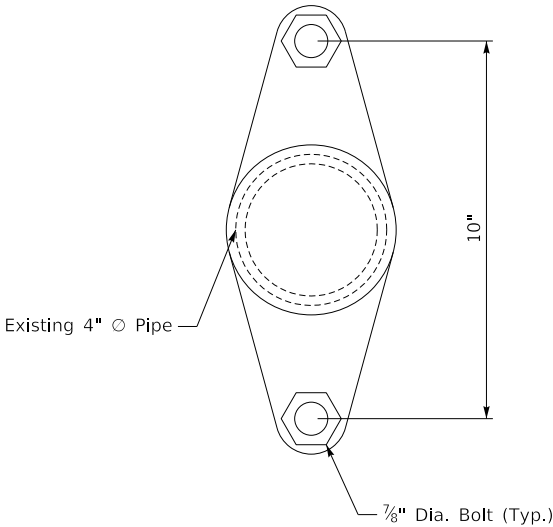
EXISTING ELEVATION

REPAIR 6

BRIDGE HANDRAIL REPAIR - CONNECTION COLLAR



PROPOSED ELEVATION



SECTION A-A



Repair Railing Connection

ELEVATION VIEW LOOKING FROM BRIDGE DECK

Elbow Connection Repair Locations	
Upstream	0A-1A
Upstream	0M (top and bottom)

Repair 6 - Bridge Handrail Repair - Collar

1. This item of work consists of removing the deteriorated rail connection collars and associated horizontal tubing, and replacing it in kind in accordance with these plans.
2. The unit price bid for this item of work (Handrail Connection Repair - Collar) shall include the cost of all materials, labor, and incidentals necessary to complete the work. The measurement for this repair shall be considered as each collar repaired.
3. All steel pipe to be ASTM A53 or ASTM A500 Grade C.
4. All material to be zinc primed.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

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Louisville, KY 40202-4251
www.aecom.com

DATE: 05/06/2025

DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

HANDRAIL REPAIR - COLLAR

CROSSING
OHIO RIVER

ROUTE

US 62X

ITEM NO.

9-10091.00

SHEET NO.

S18

COUNTY OF

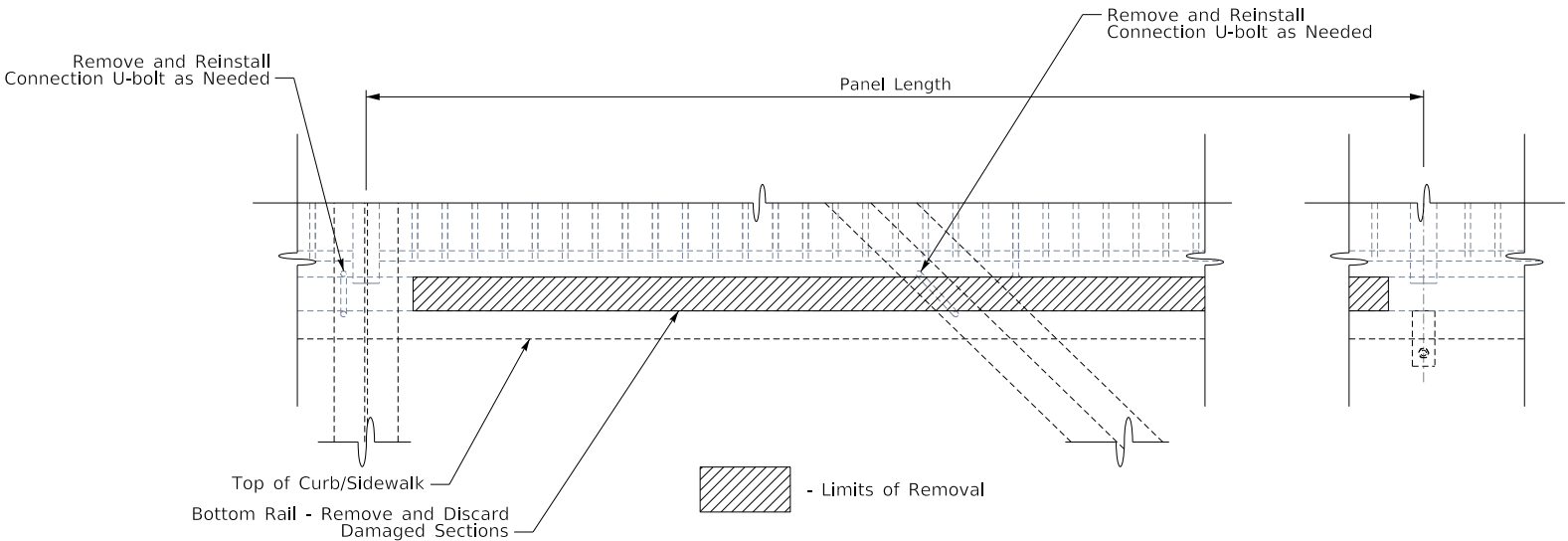
MASON

DRAWING NUMBER

28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

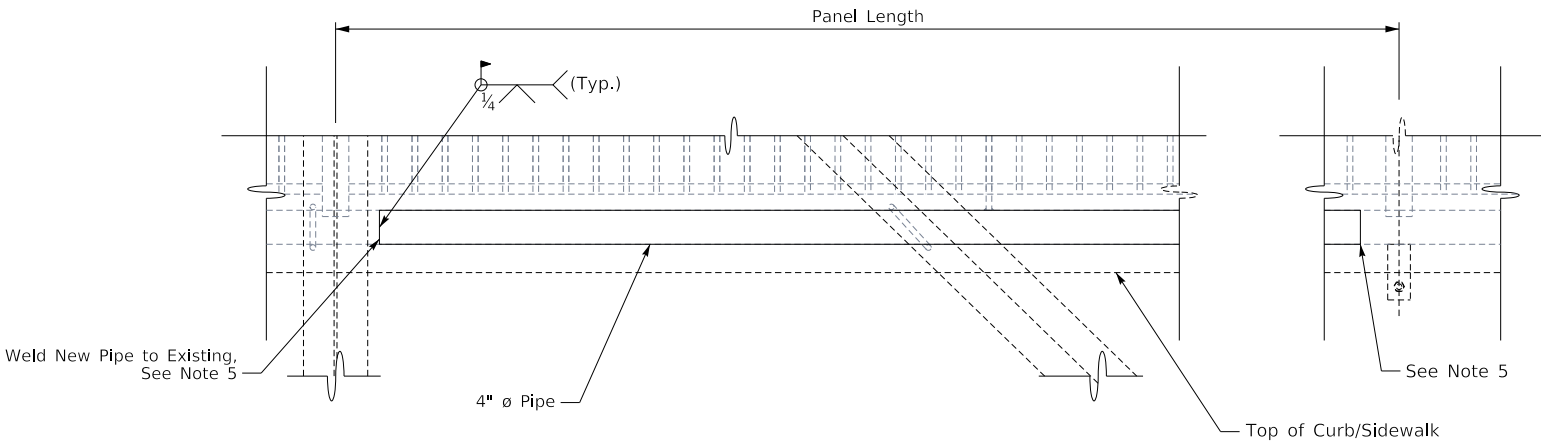


BOTTOM HORIZONTAL REMOVAL – MAIN SPANS

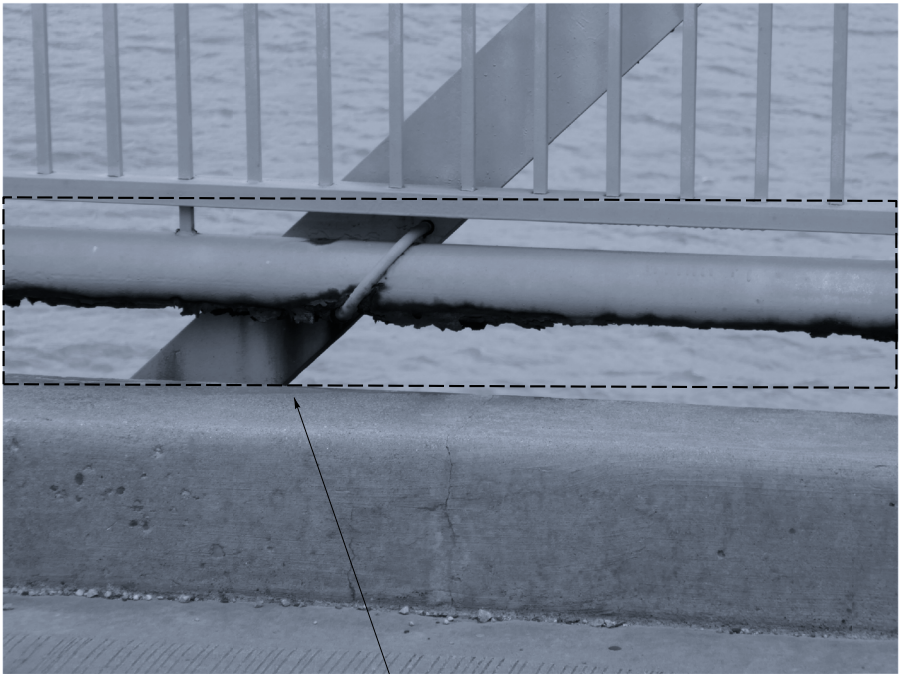


Replace Deteriorated Rail Elements

VIEW LOOKING FROM UNDERNEATH AT RAILING BOTTOM MEMBER



BOTTOM HORIZONTAL REPAIR – MAIN SPANS



Replace Deteriorated Rail Elements

VIEW LOOKING AT RAILING BOTTOM MEMBER

Repair 6 - Bridge Handrail Repair - Bottom Horizontal

1. This item of work consists of removing the deteriorated lower 4" diameter pipe and replacing it in kind in accordance with these plans.
2. The unit price bid for this item of work (Bridge Handrail Repair - Bottom Horizontal) shall include the cost of all materials, labor, and incidentals necessary to complete the work. The measurement for this repair shall be considered per linear foot of bottom horizontal replaced.
3. All steel pipe to be ASTM A53 or ASTM A500 Grade C.
4. All material to be zinc primed.
5. All splice locations shall be a minimum of 6" clear of existing truss members.

Bottom Horizontal Repair Locations	
Upstream	69M-67M
Upstream	65A-69M

REPAIR 6

BRIDGE HANDRAIL REPAIR - BOTTOM HORIZONTAL



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



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DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

HANDRAIL REPAIR - BOT. HORIZ.

CROSSING
OHIO RIVER

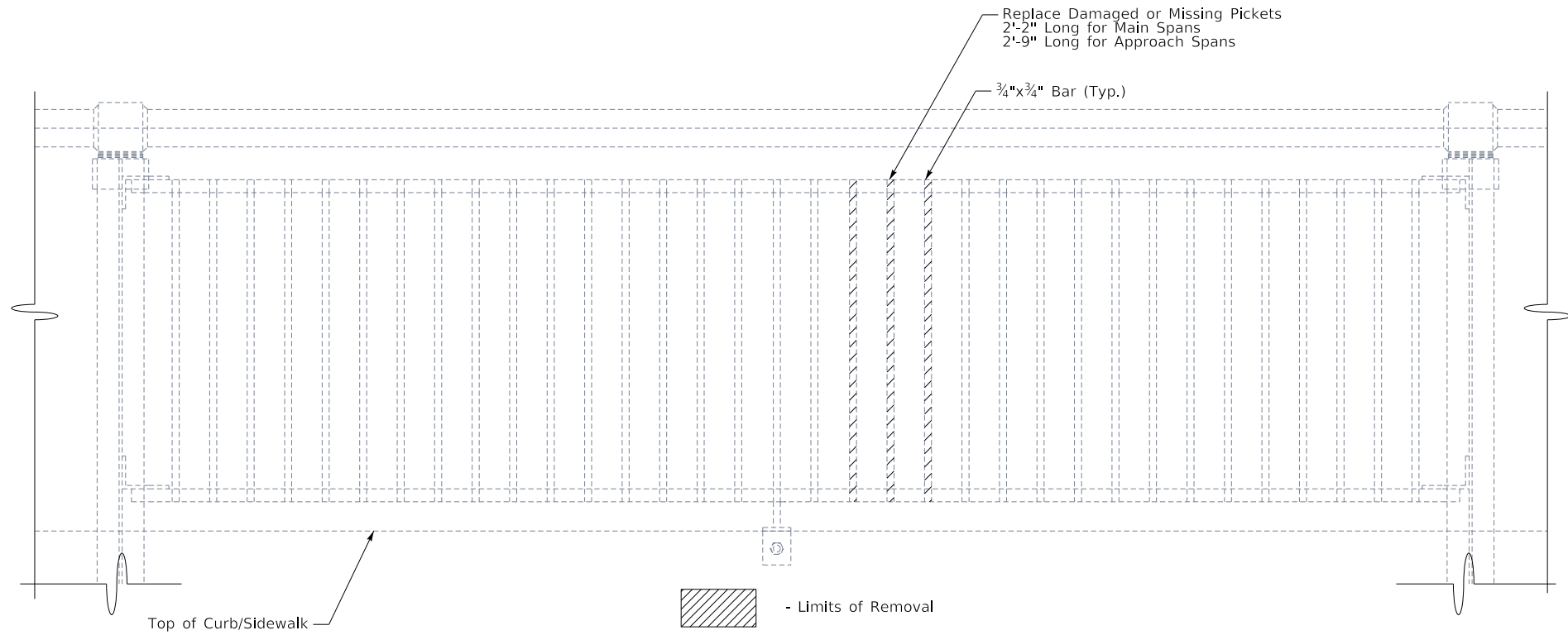
ROUTE
US 62X

ITEM NO.
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SHEET NO.
S19

COUNTY OF
MASON
DRAWING NUMBER
28962

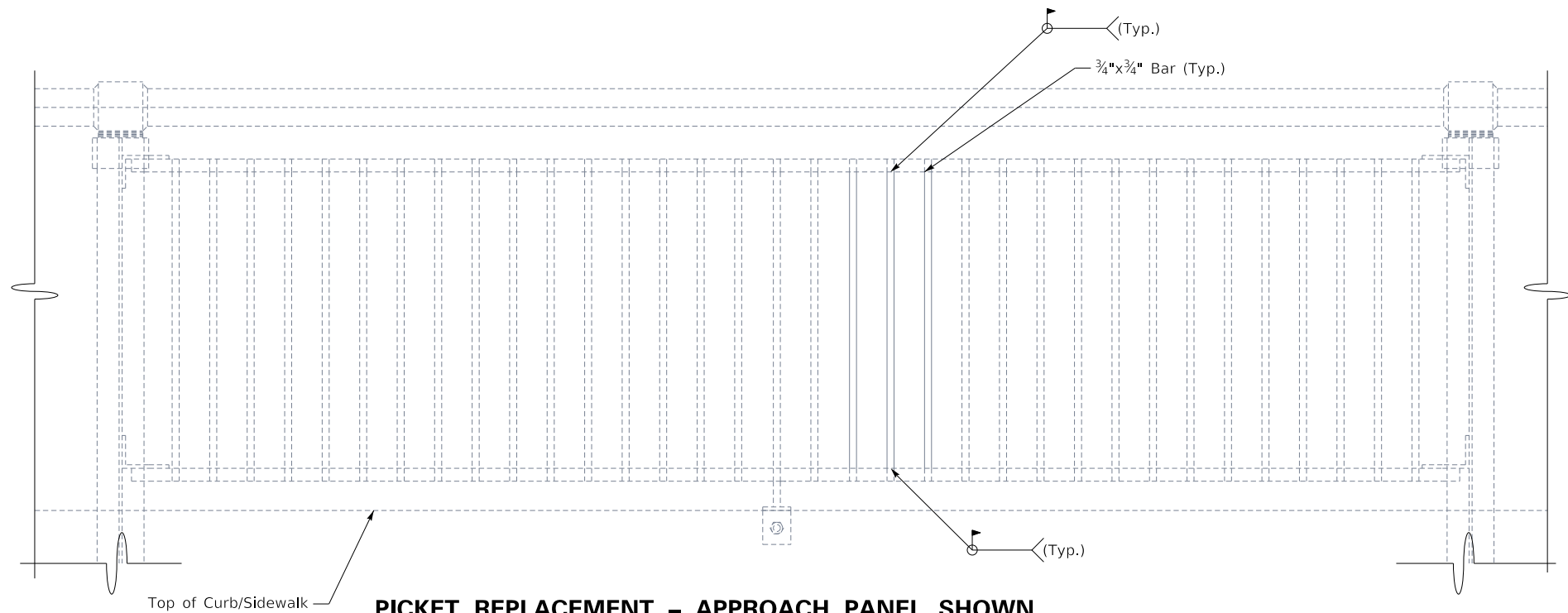
DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25



PICKET REMOVAL – APPROACH PANEL SHOWN

Picket Repair Locations		
Upstream/Downstream	Location	# of Pickets
Upstream	11A-13A	4
Downstream	21A-23A	4
Upstream	21M-19M	8
Upstream	15M-13M	2
Downstream	11M-9M	3
Downstream	Span M0	2
Downstream	Span M1	7

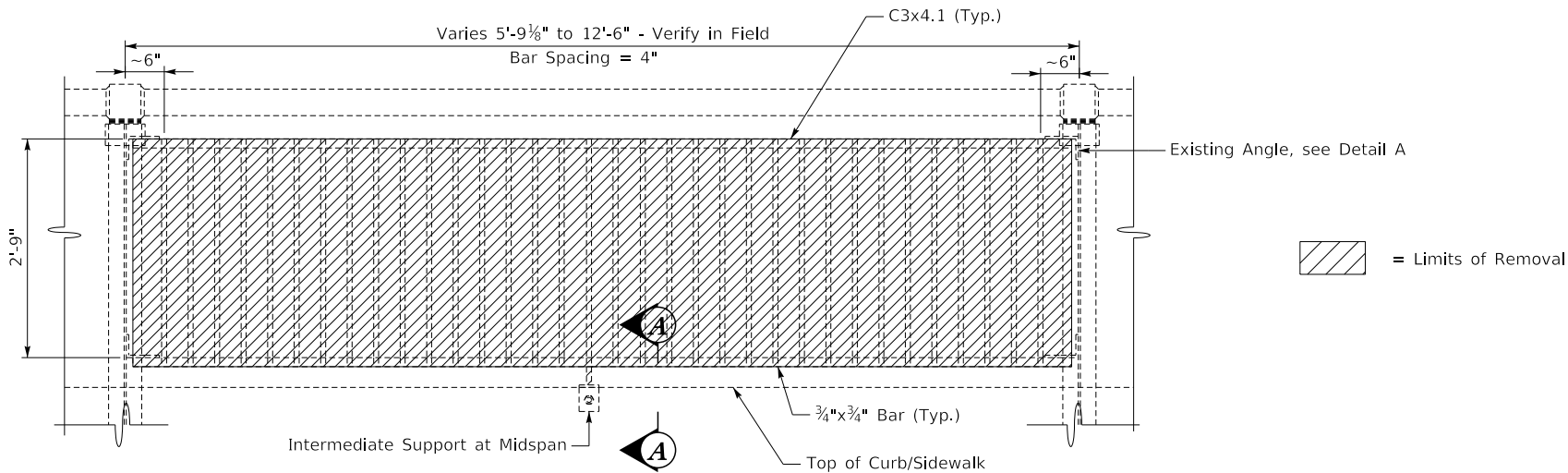


PICKET REPLACEMENT – APPROACH PANEL SHOWN

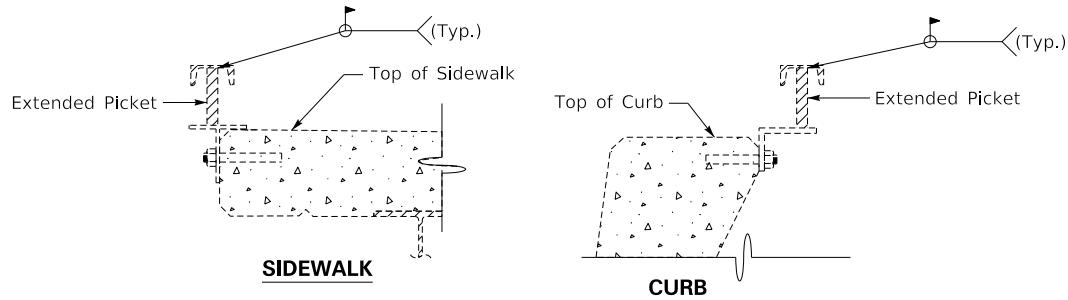
REPAIR 6

BRIDGE HANDRAIL REPAIR - PICKET REPLACEMENT

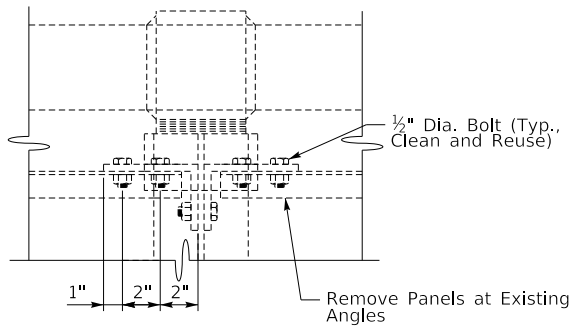
- Repair 6 - Bridge Handrail Repair - Pickets
- Repair isolated sections of bridge rail pickets in kind.
 - The unit price bid for this item of work (Handrail Connection Repair - Picket Repair) shall include the cost of all materials, labor, and incidentals necessary to complete the work. The measurement for this repair shall be considered as each picket replaced.
 - Material furnished shall be AASHTO M270 Grade 36 (ASTM A709).



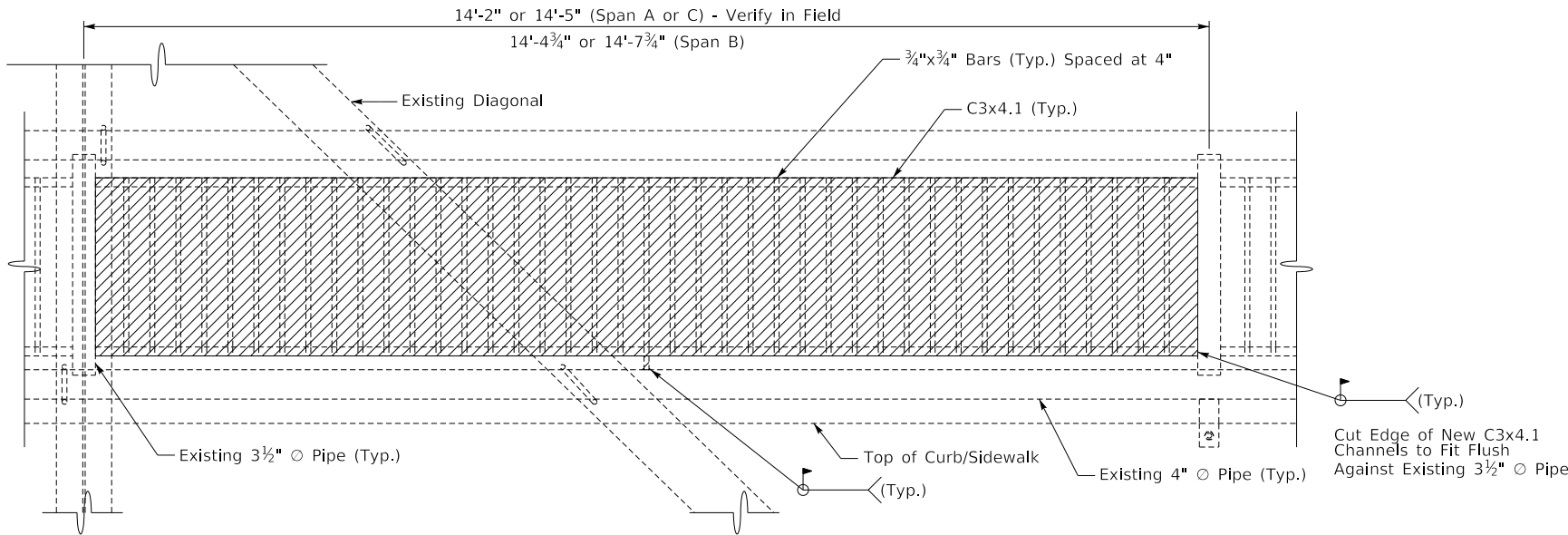
TYPICAL HANDRAIL PANEL – APPROACH SPANS



SECTION A-A



DETAIL A



TYPICAL HANDRAIL PANEL – MAIN SPANS



Replace Deteriorated Rail Elements

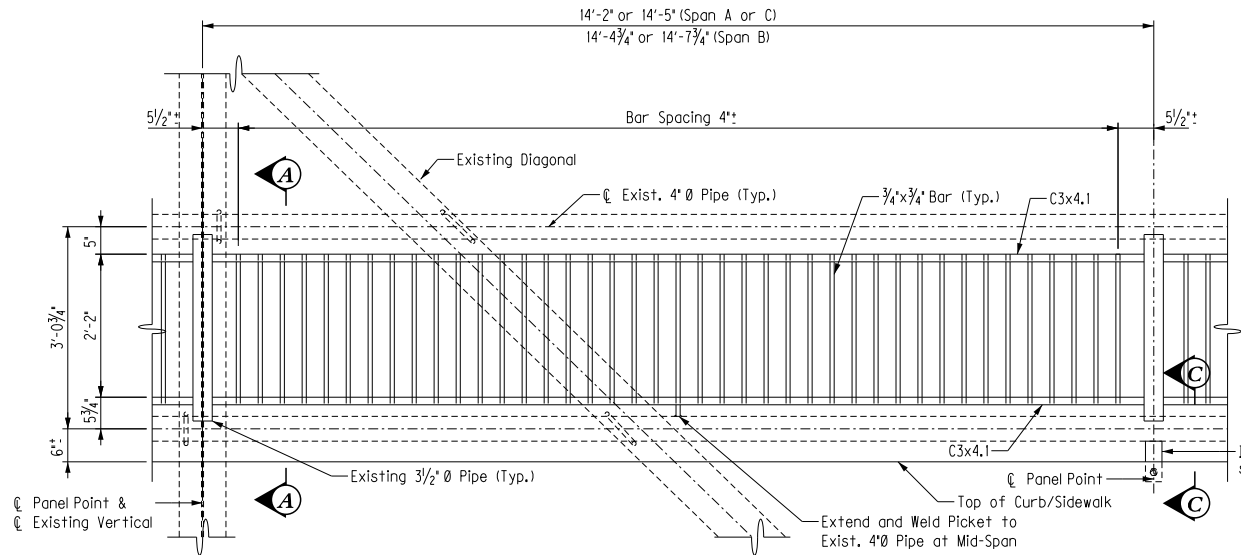
VIEW LOOKING AT RAILING PICKET MEMBERS

Picket Panel Replacement		
Upstream/Downstream	Location	# of Panels
Upstream	Span A1	1
Upstream	Span A0	3
Upstream	35A-37A	1
Upstream	Span M0	3
Upstream	Span M1	3
Upstream	Span M4	3

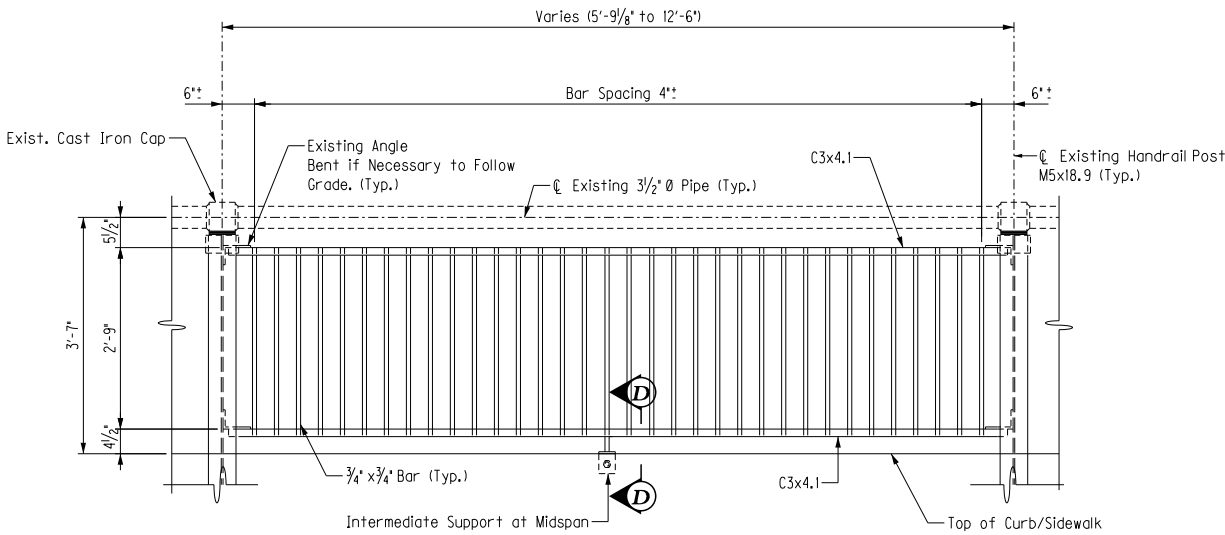
REPAIR 6

BRIDGE HANDRAIL REPAIR - PICKET PANEL

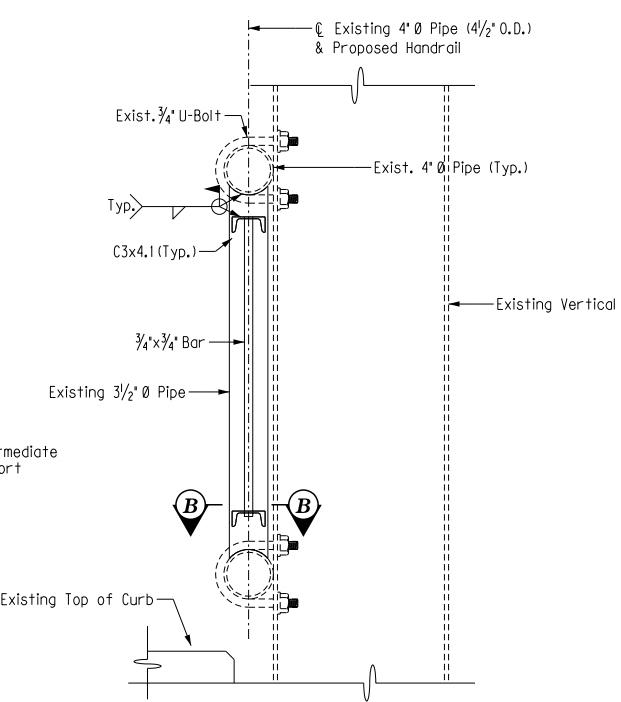
- Repair 6 - Bridge Handrail Repair - Panel
1. Repair isolated sections of bridge railing in kind.
 2. The unit price bid for this item of work (Bridge Handrail Repair - Panel Replacement) shall include the cost of all materials, labor, and incidentals necessary to complete the work. The measurement for this repair shall be considered per linear foot of panel replaced.
 3. Material furnished shall be AASHTO M270 Grade 36 (ASTM A709).



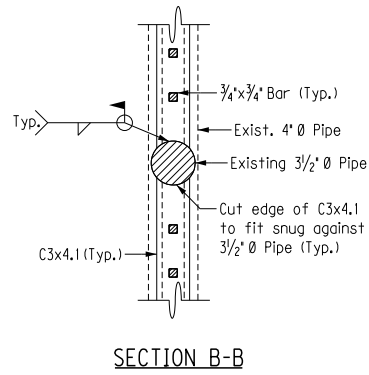
TYPICAL HANDRAIL PANEL - MAIN SPANS



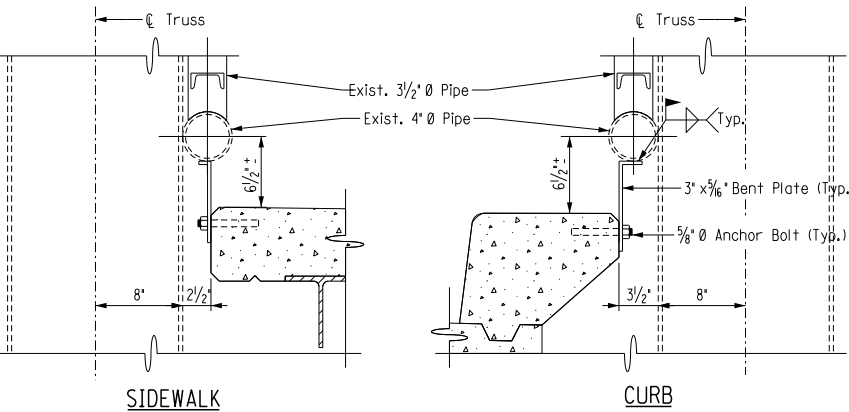
TYPICAL HANDRAIL PANEL - APPROACH SPANS



SECTION A-A
Curb Side Shown



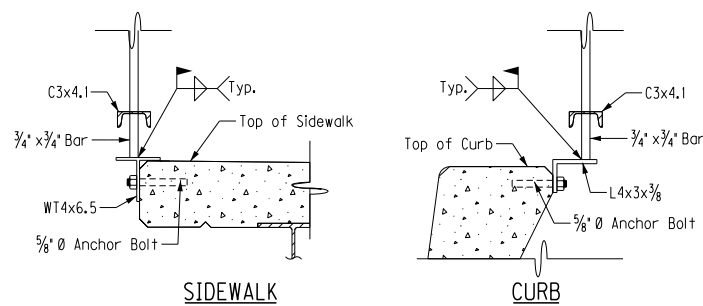
SECTION B-B



SIDEWALK

CURB

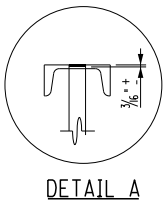
SECTION C-C



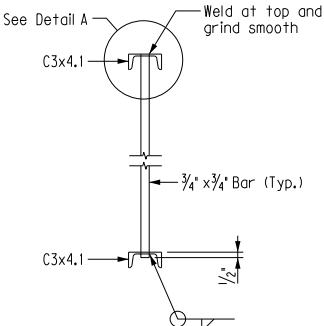
SIDEWALK

CURB

SECTION D-D



DETAIL A



BAR CONNECTION DETAIL

FOR INFORMATION

REPAIR 6

BRIDGE HANDRAIL REPAIR - PICKET PANEL

Repair 6 - Bridge Handrail Repair - Panel

1. Repair isolated sections of bridge railing in kind.
2. The unit price bid for this item of work (Bridge Handrail Repair - Panel Replacement) shall include the cost of all materials, labor, and incidentals necessary to complete the work. The measurement for this repair shall be considered per linear foot of panel replaced.
3. Material furnished shall be AASHTO M270 Grade 36 (ASTM A709).

Picket Panel Replacement		
Upstream/Downstream	Location	# of Panels
Upstream	Span A1	1
Upstream	Span A0	3
Upstream	35A-37A	1
Upstream	Span M0	3
Upstream	Span M1	3
Upstream	Span M4	3



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

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DATE

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DATE: 05/06/2025
DESIGNED BY: D. Liem
DATE: 05/06/2025
CHECKED BY: J. Whelan
DETAILED BY: D. Liem
J. Whelan

PANEL REPAIR - PROPOSED
CROSSING
OHIO RIVER

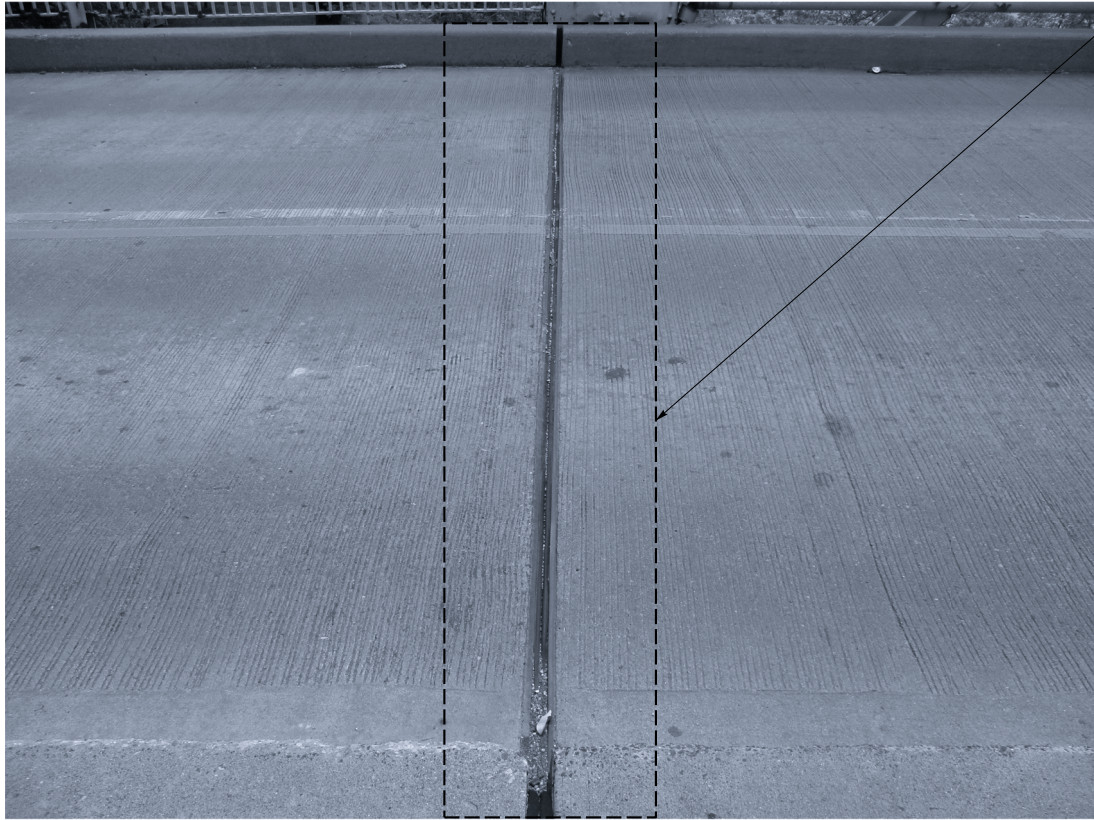
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S22

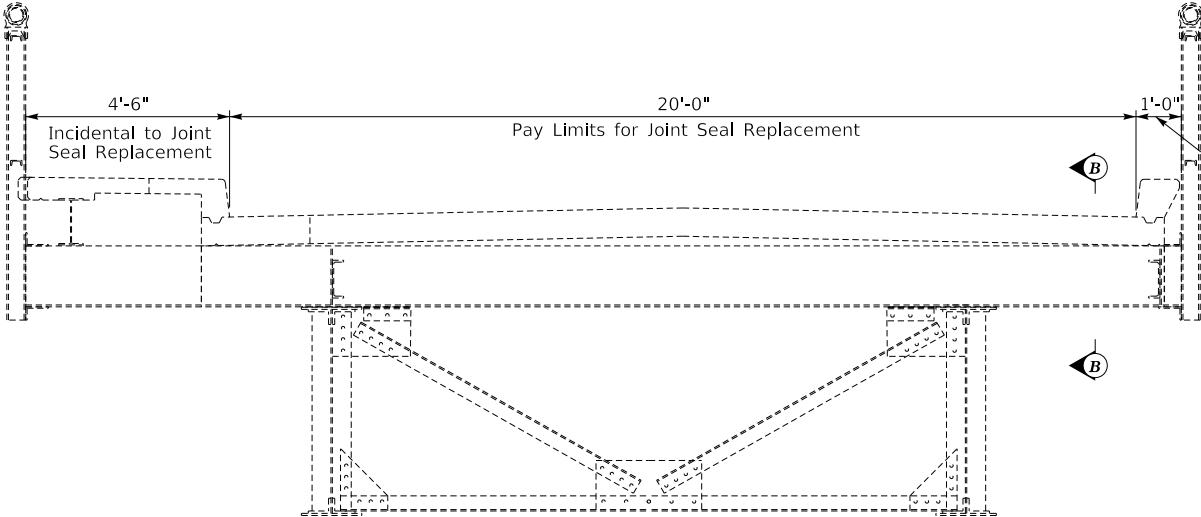
COUNTY OF
MASON
DRAWING NUMBER
28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25



Replace Joint Seal With Precompressed Foam Expansion Seal



Incidental to Joint Seal Replacement

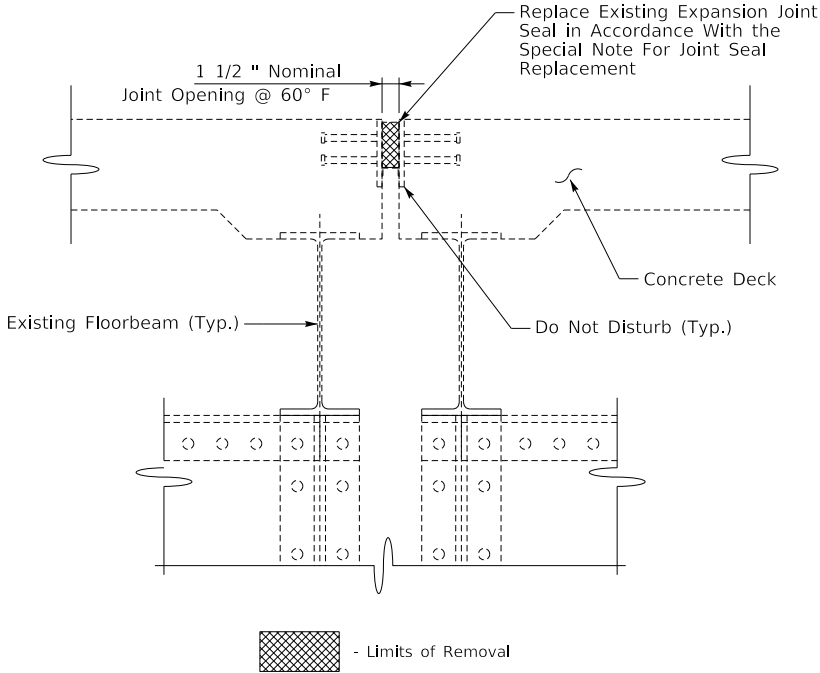
SECTION A-A

Repair 7 - Joint Seal Replacement

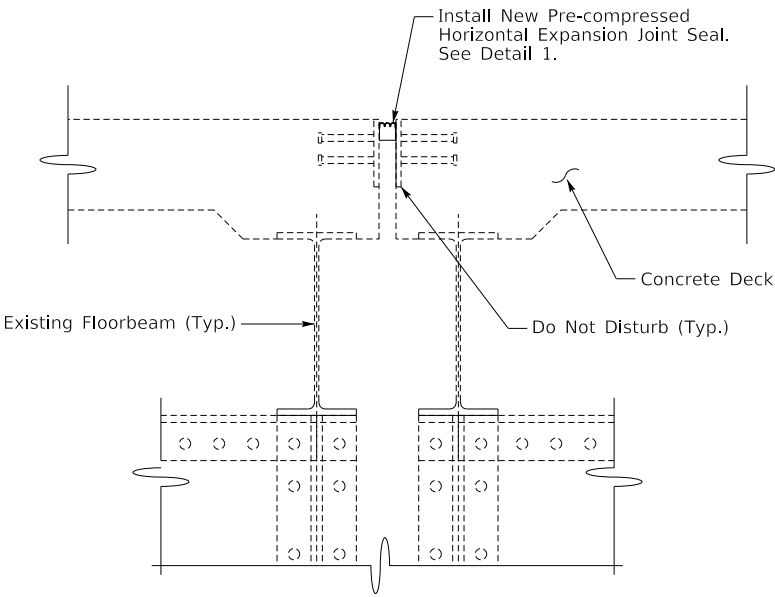
1. Replace expansion joint seals with pre-compressed foam expansion joint seal.
2. See the Special Note for Bridge Joint Seal Replacement.
3. See Standard Drawings BJE-001, BJE-003, and BJE-005 for additional details.

Location	Action
Approach Pier A3	Joint Seal Replacement
0A	Joint Seal Replacement
Approach Pier M1	Joint Seal Replacement

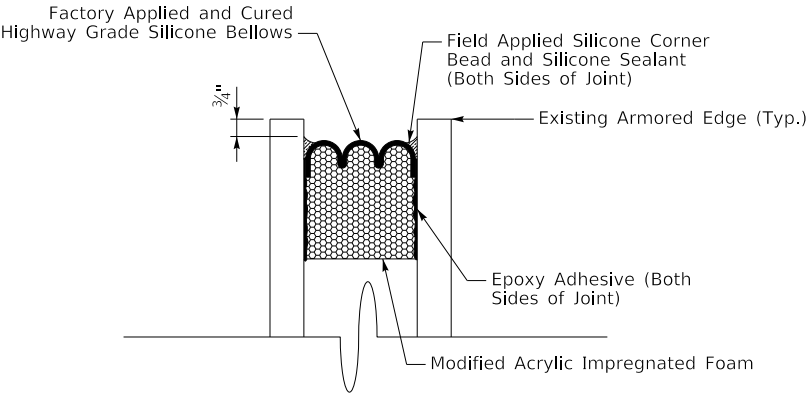
REPAIR 7
JOINT SEAL REPLACEMENT



SECTION B-B - REMOVAL



SECTION B-B - REPLACEMENT



DETAIL 1



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



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Louisville, KY 40202-4251
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DATE: 05/06/2025

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DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

JOINT SEAL REPLACEMENT

CROSSING
OHIO RIVER

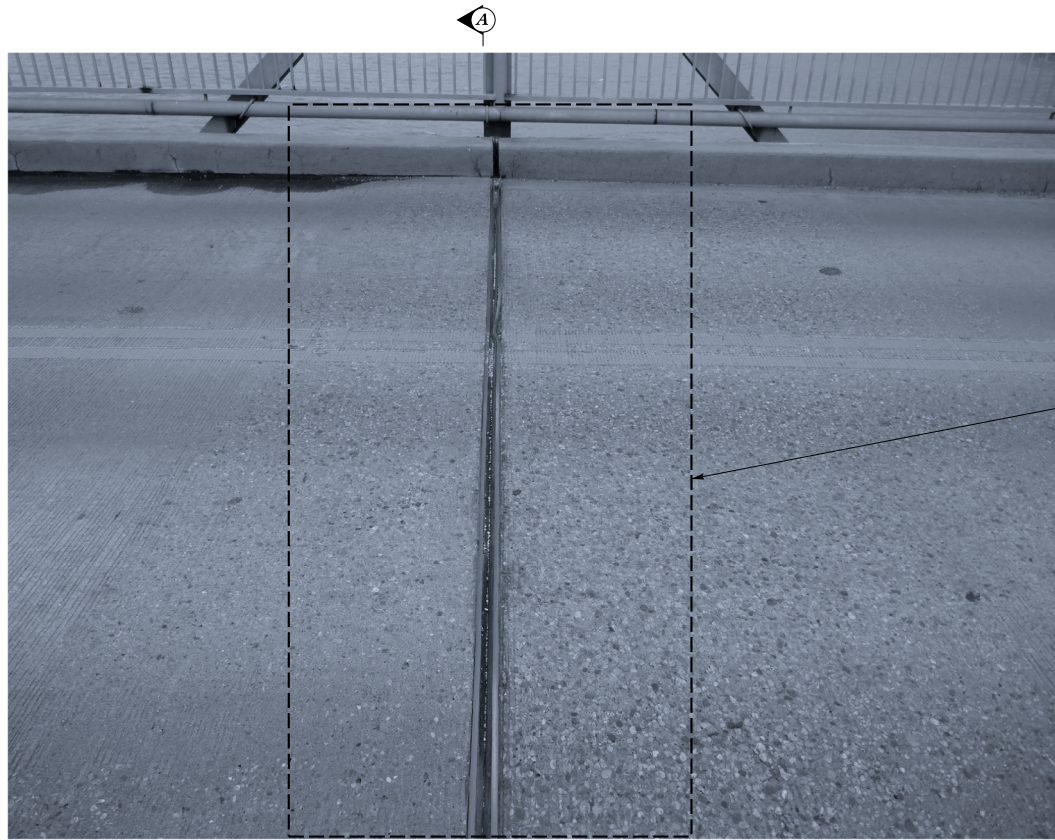
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S23

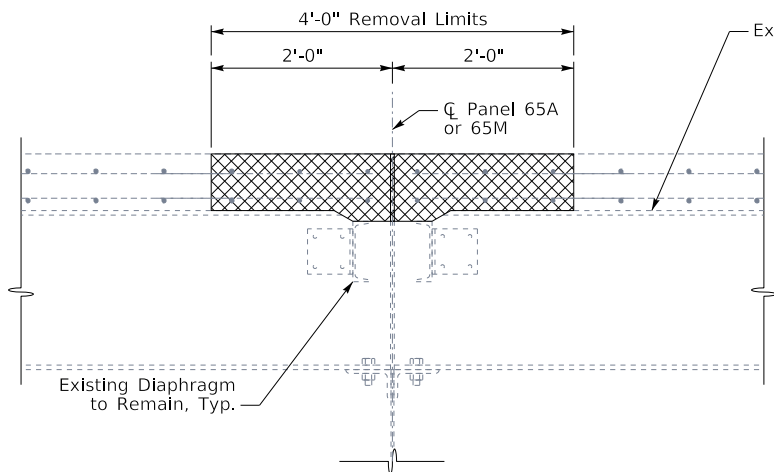
COUNTY OF
MASON
DRAWING NUMBER
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DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25



REPAIR 8
REPLACE COMPRESSION SEAL JOINT



Existing Diaphragm to Remain, Typ.

Existing Stringer Top Flange (DND)

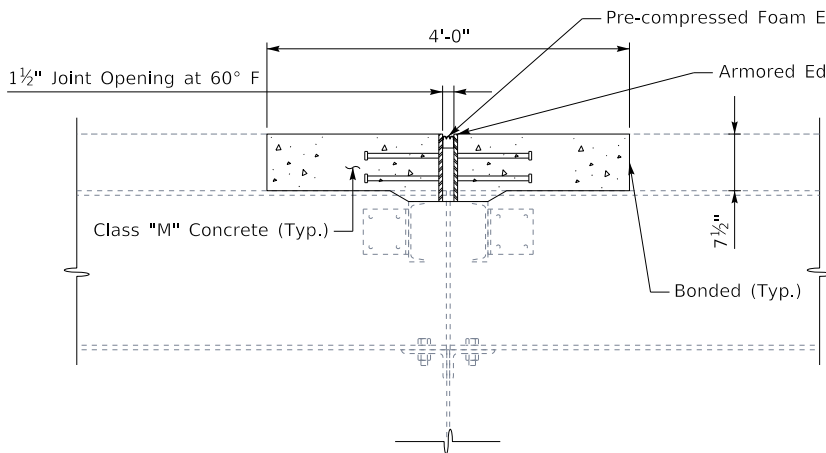
Panel 65A or 65M

4'-0" Removal Limits

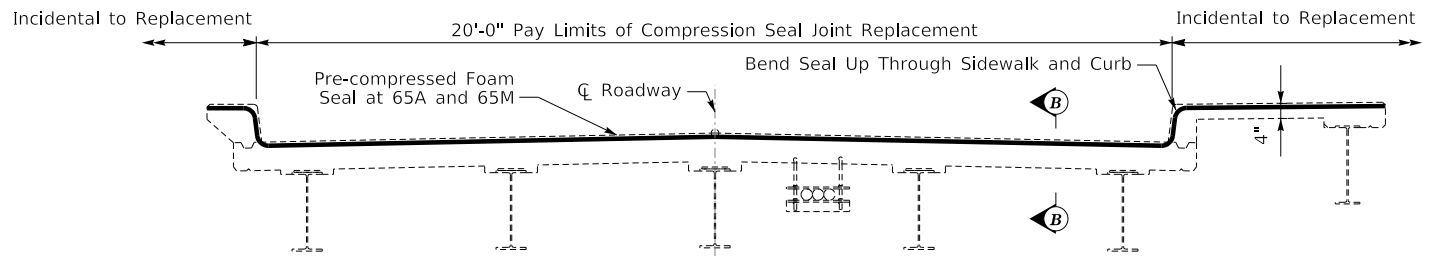
2'-0"

2'-0"

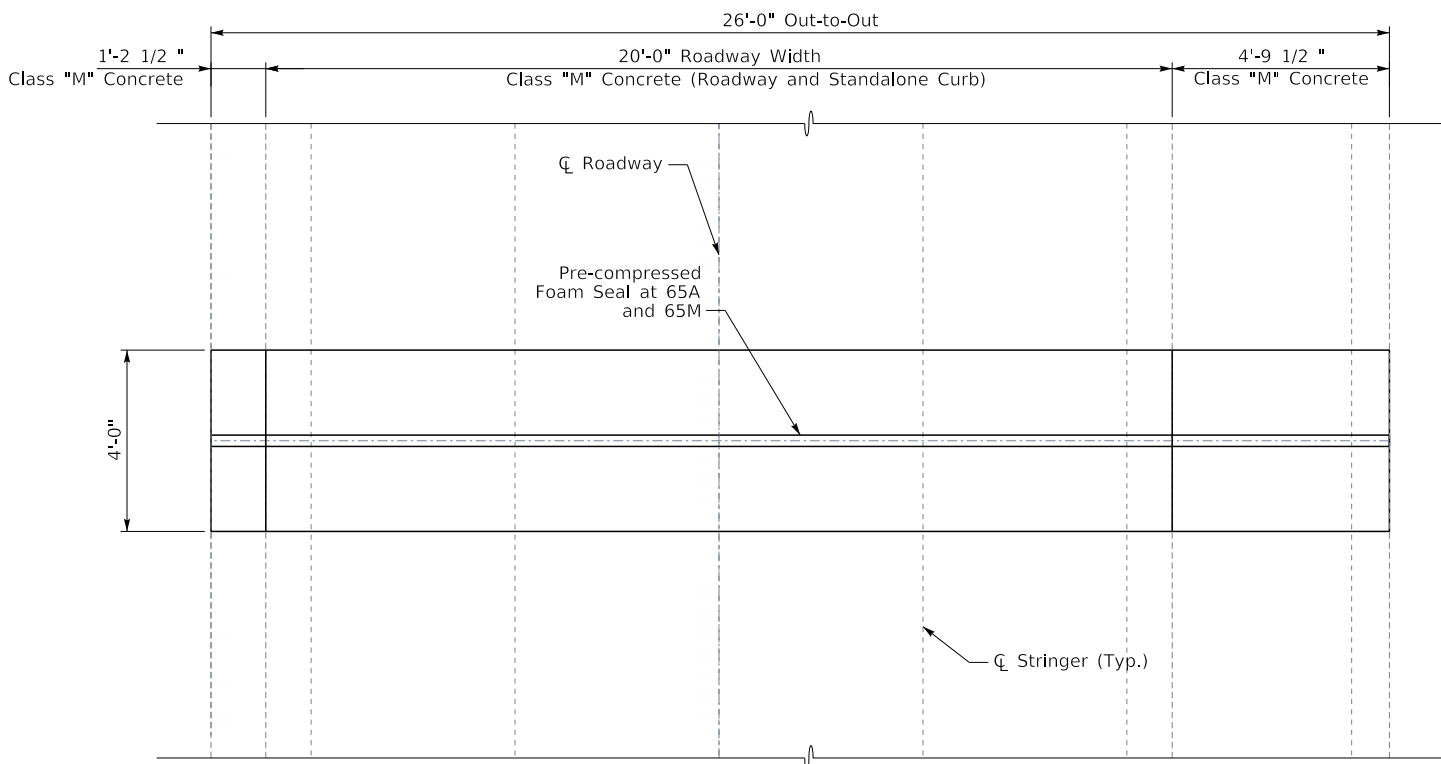
SECTION B-B REMOVAL



SECTION B-B PROPOSED



SECTION A-A



PROPOSED JOINT REPLACEMENT PLAN

Repair 8 - Replace Compression Joint Seal

1. Replace compression joint assembly at the locations below:
2. Match existing roadway grade and profile.

Location	Action
65A	Joint Replacement
65M	Joint Replacement



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



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www.aecom.com

DATE: 05/06/2025

DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

REPLACE COMPRESSION SEAL JOINT

CROSSING
OHIO RIVER

ROUTE

US 62X

ITEM NO.

9-10091.00

SHEET NO.

S24

COUNTY OF

MASON

DRAWING NUMBER

28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25



Concrete Patching and Coating of Substructure Units

REPAIR 9

CONCRETE PATCHING AND COATING - SUBSTRUCTURE

Repair 9 - Concrete Patching and Coating - Substructure

1. The total anticipated quantity for Pier A1 patching is 5 square feet, including a 10% contingency.
2. See Special Note for Epoxy Crack Injection.
3. See Special Note for Concrete Patching Repair.
4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

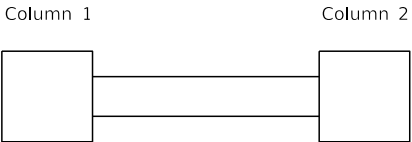
LEGEND



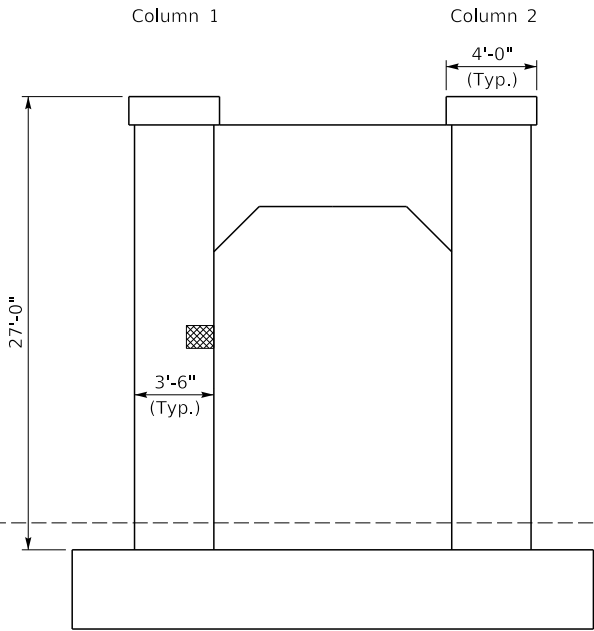
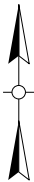
- Existing Patch



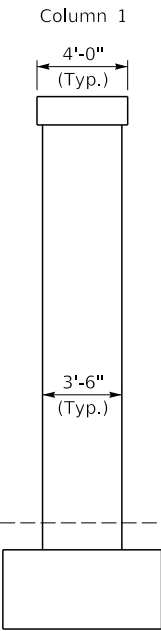
- Proposed Concrete Patching



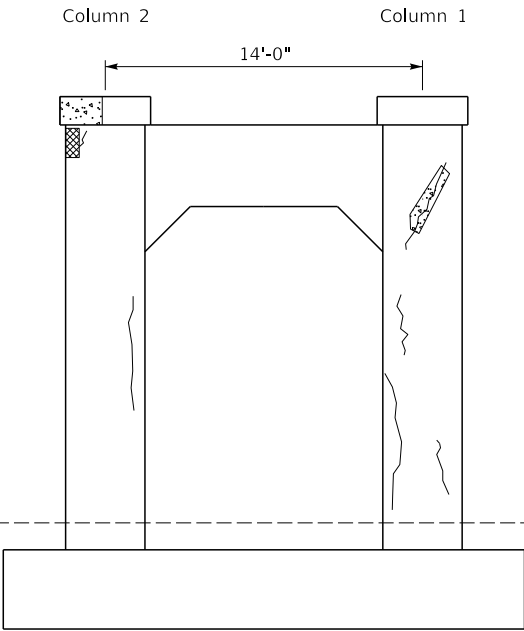
PLAN OF CAP



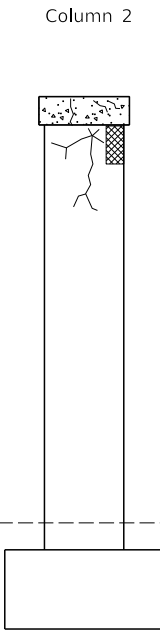
SOUTH ELEVATION



WEST ELEVATION

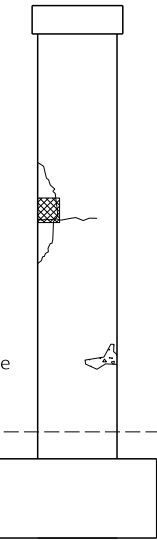


NORTH ELEVATION

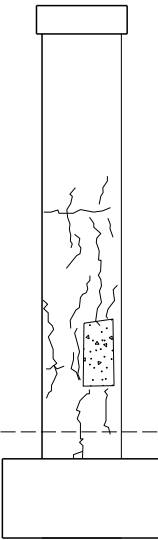


EAST ELEVATION

Approximate Ground Line



EAST FACE OF COLUMN 1



WEST FACE OF COLUMN 2

PIER A1



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION

DATE



PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

DATE: 05/06/2025

DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

CONCRETE COATING-SUBSTRUCTURE

CROSSING
OHIO RIVER

ROUTE

US 62X

ITEM NO.

9-10091.00

SHEET NO.

S25

COUNTY OF

MASON

DRAWING NUMBER

28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

Repair 9 - Concrete Patching and Coating - Substructure

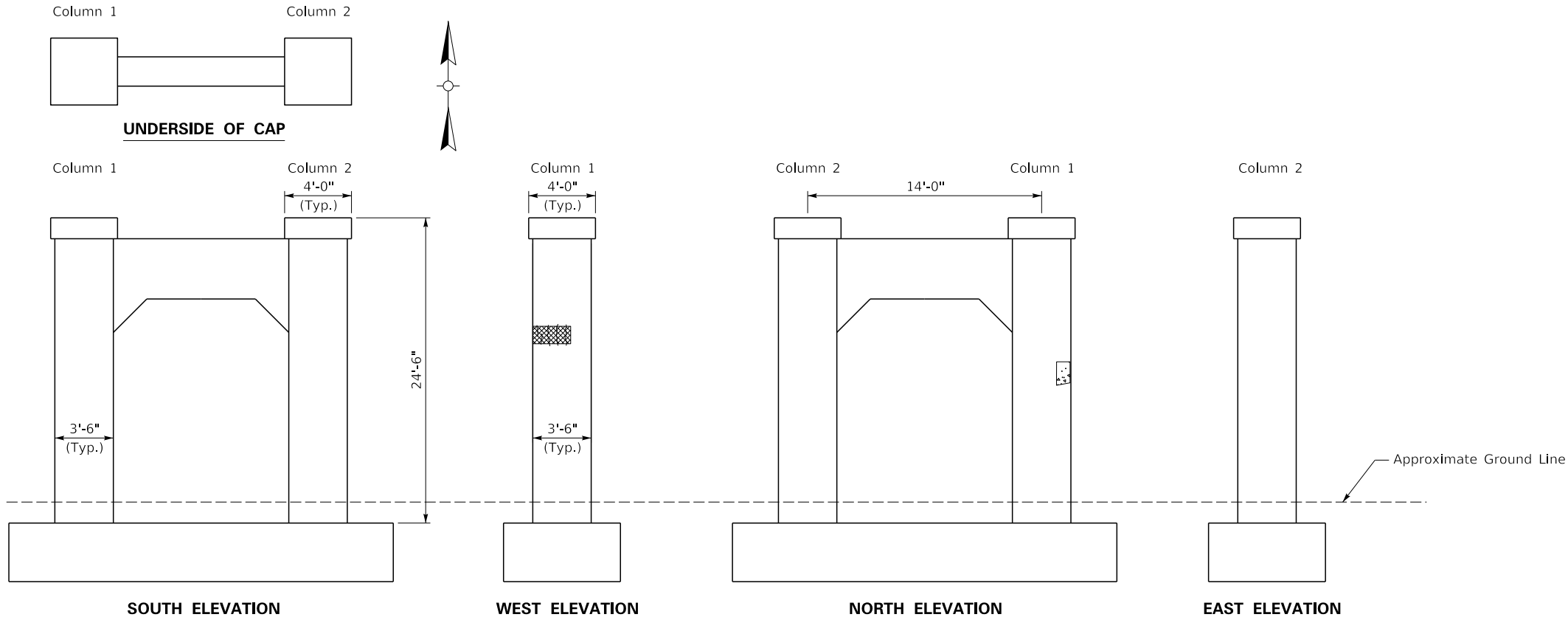
1. The total anticipated quantity for Pier A2 patching is 3 square feet, including a 10% contingency. The total anticipated quantity for Pier A3 patching is 34 square feet, including a 10% contingency.
2. See Special Note for Epoxy Crack Injection.
3. See Special Note for Concrete Patching Repair.
4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

LEGEND

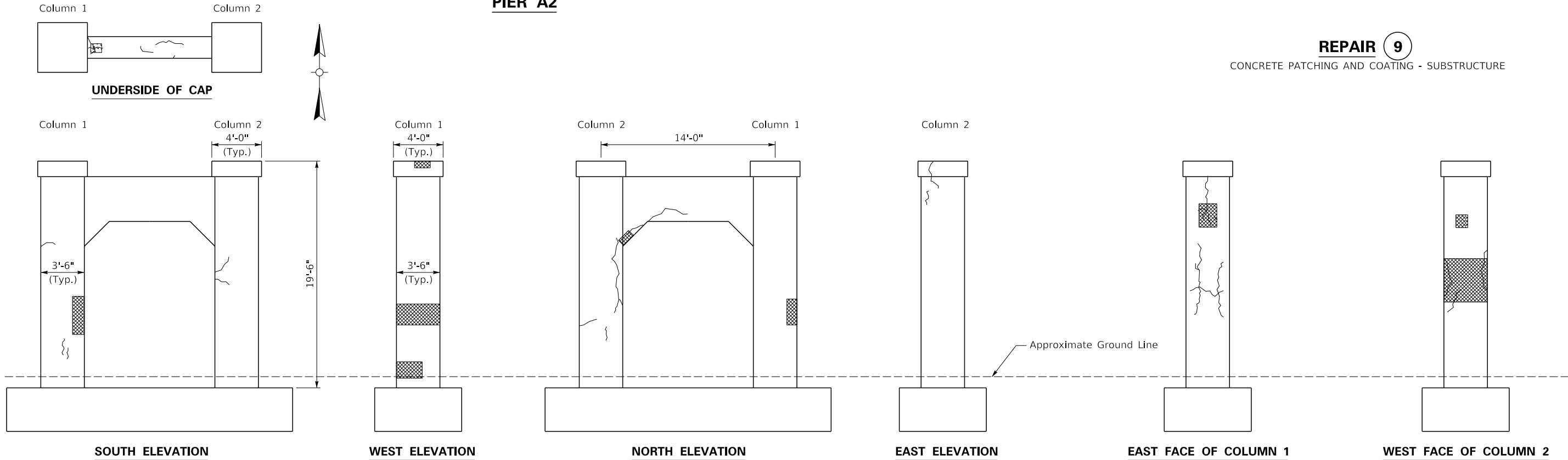
- Existing Patch
- Proposed Concrete Patching

REPAIR 9

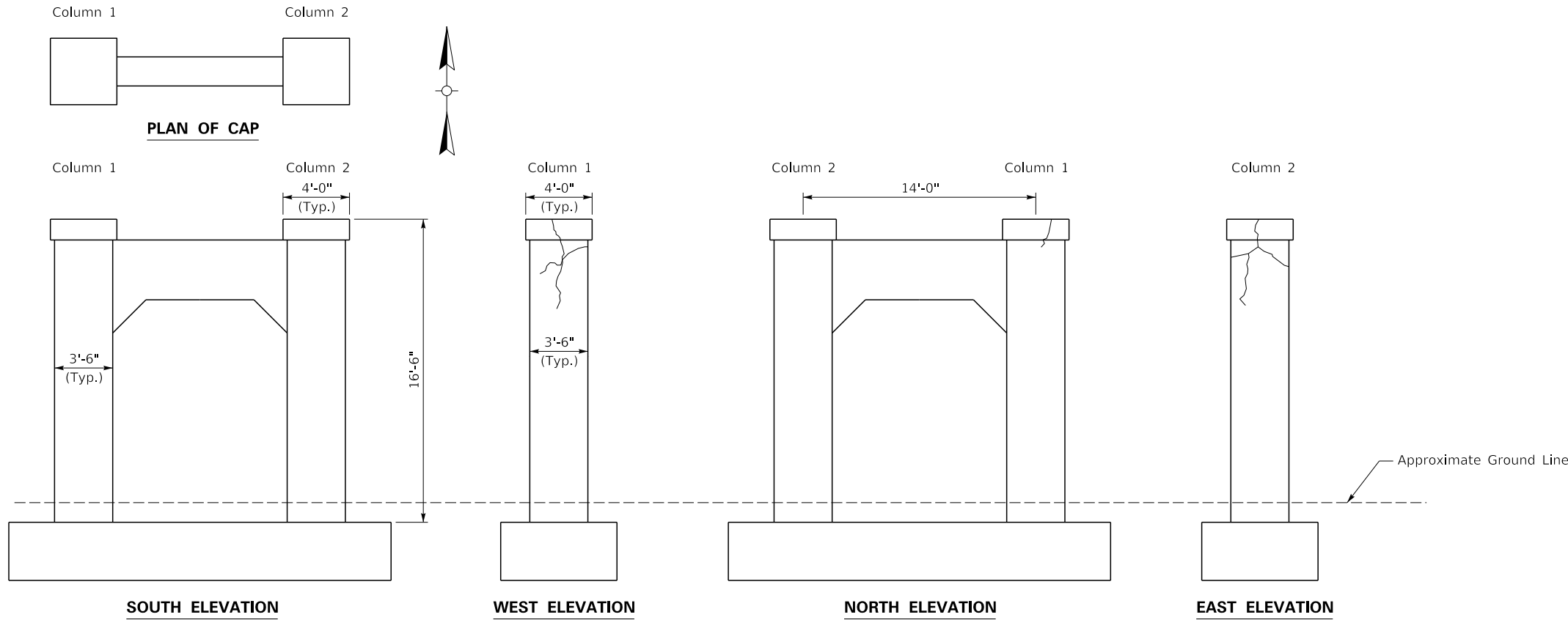
CONCRETE PATCHING AND COATING - SUBSTRUCTURE



PIER A2



PIER A3

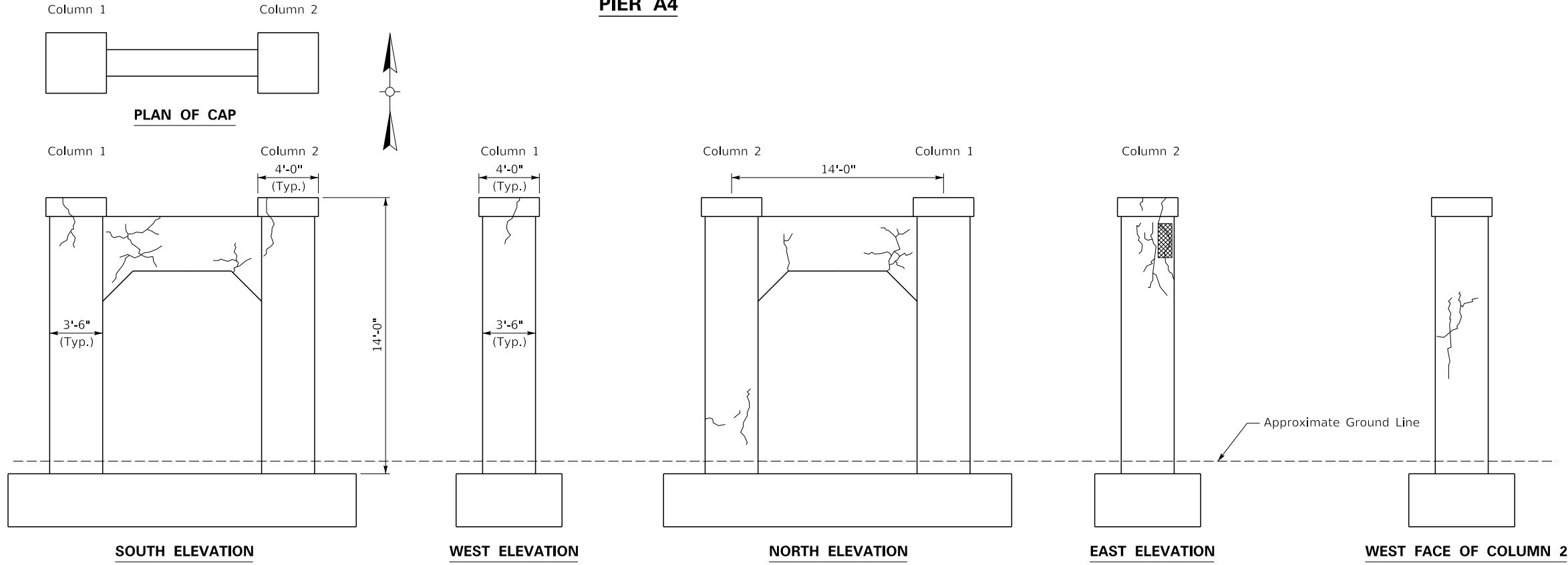


- Repair 9 - Concrete Patching and Coating - Substructure
1. The total anticipated quantity for Pier A4 patching is 0 square feet. The total anticipated quantity for Pier A5 patching is 3 square feet, including a 10% contingency.
 2. See Special Note for Epoxy Crack Injection.
 3. See Special Note for Concrete Patching Repair.
 4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
 5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

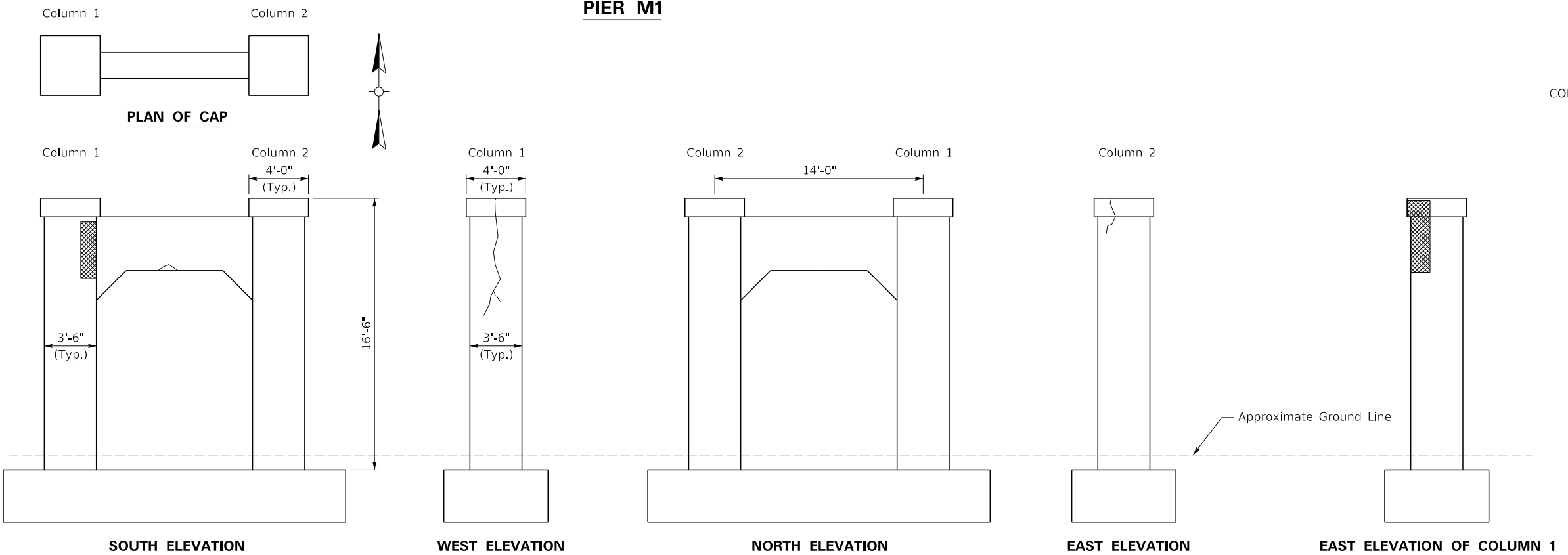
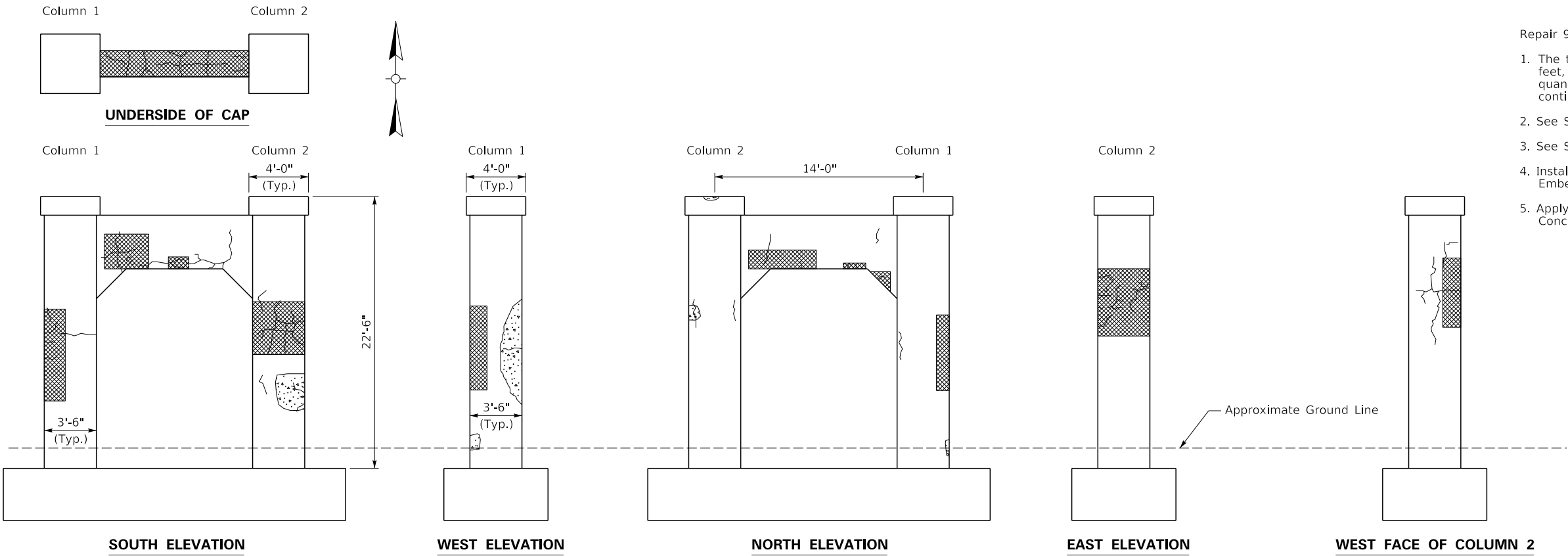
LEGEND

- Existing Patch

- Proposed Concrete Patching



REPAIR 9
CONCRETE PATCHING AND COATING - SUBSTRUCTURE



- Repair 9 - Concrete Patching and Coating - Substructure
1. The total anticipated quantity for Pier M1 patching is 95 square feet, including a 10% contingency. The total anticipated quantity for Pier M2 patching is 12 square feet, including a 10% contingency.
 2. See Special Note for Epoxy Crack Injection.
 3. See Special Note for Concrete Patching Repair.
 4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
 5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

REPAIR 9
CONCRETE PATCHING AND COATING - SUBSTRUCTURE

LEGEND

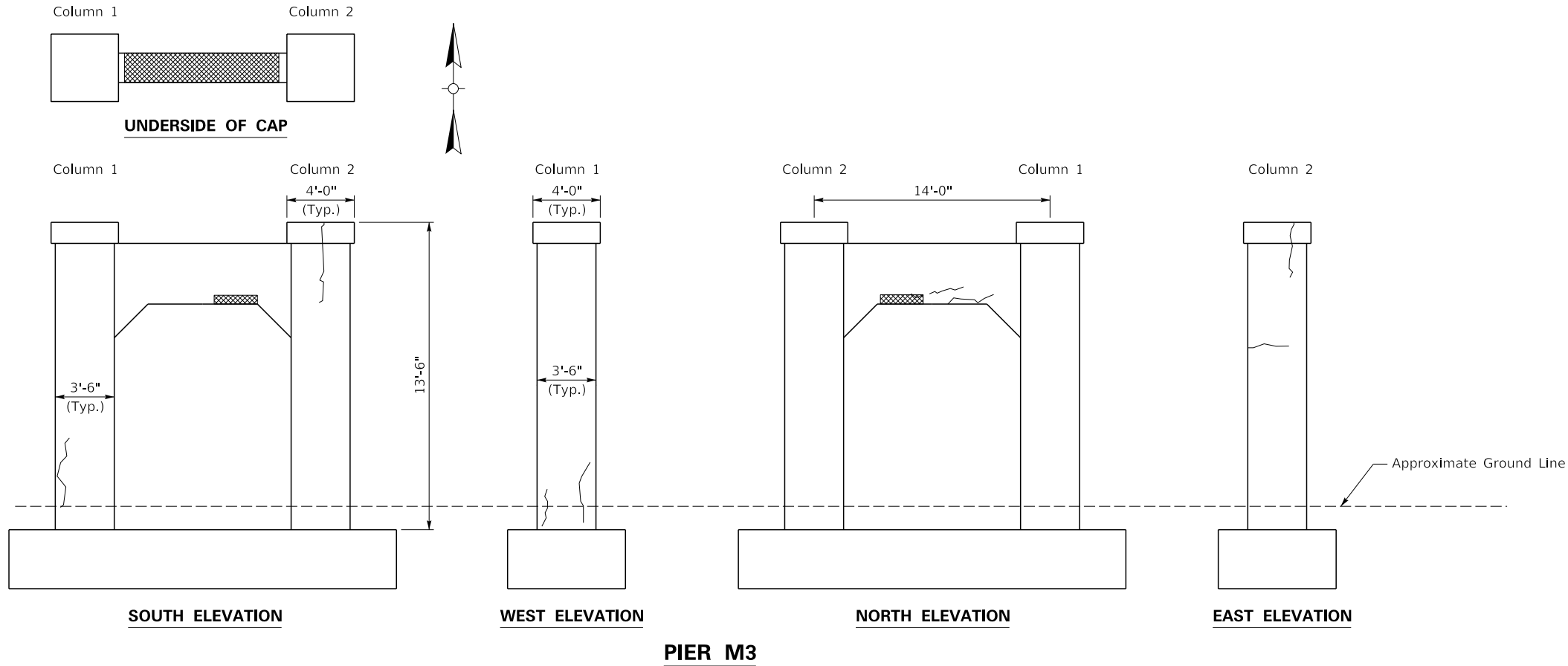
- Existing Patch
- Proposed Concrete Patching

REVISION	DATE

DATE: 05/06/2025	CHECKED BY
DESIGNED BY: D. Liem	J. Whelan
DETAILED BY: D. Liem	J. Whelan

CONCRETE COATING-SUBSTRUCTURE
CROSSING OHIO RIVER

ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S28	COUNTY OF MASON DRAWING NUMBER 28962
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- Repair 9 - Concrete Patching and Coating - Substructure
1. The total anticipated quantity for Pier M3 patching is 21 square feet, including a 10% contingency.
 2. See Special Note for Epoxy Crack Injection.
 3. See Special Note for Concrete Patching Repair.
 4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
 5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

LEGEND

- Existing Patch
- Proposed Concrete Patch

REPAIR 9
CONCRETE PATCHING AND COATING - SUBSTRUCTURE

 COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	 USER: LiemD	REVISION		DATE	AECOM PREPARED BY AECOM 500 West Jefferson Street Suite 1600 Louisville, KY 40202-4251 www.aecom.com	DATE: 05/06/2025	CHECKED BY	CONCRETE COATING-SUBSTRUCTURE CROSSING OHIO RIVER	ROUTE US 62X	ITEM NO. 9-10091.00	COUNTY OF MASON
						DESIGNED BY: D. Liem	J. Whelan			SHEET NO. S29	DRAWING NUMBER 28962
						DETAILED BY: D. Liem	J. Whelan				

USER: LiemD

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

Repair 9 - Concrete Patching and Coating - Substructure

1. The total anticipated quantity for Pier A patching is 93 square feet, including a 10% contingency.
2. See Special Note for Epoxy Crack Injection.
3. See Special Note for Concrete Patching Repair.
4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

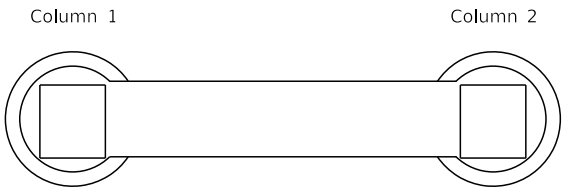
LEGEND



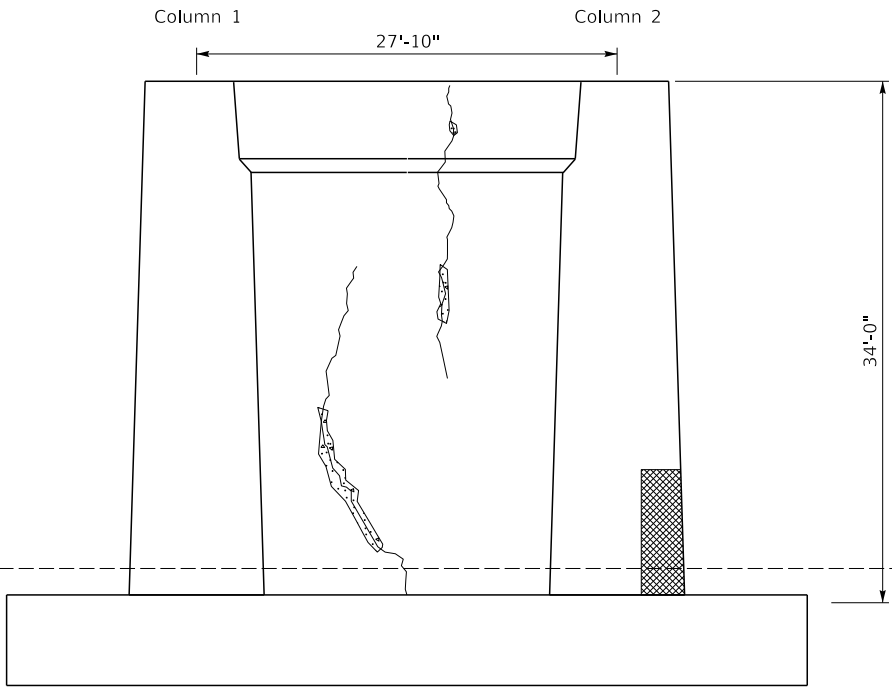
- Existing Patch



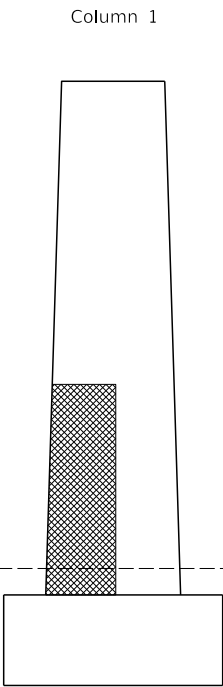
- Proposed Concrete Patch



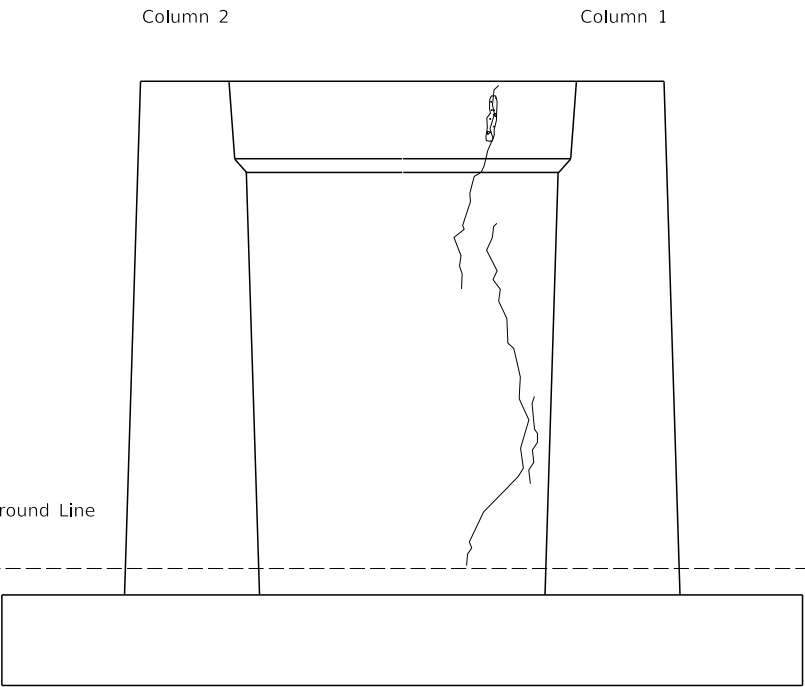
PLAN OF CAP



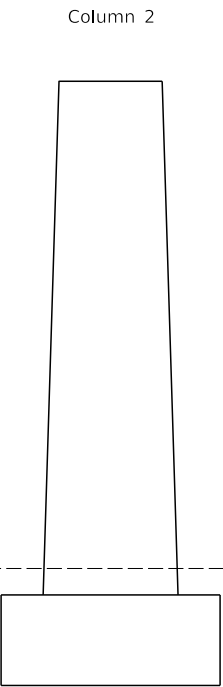
SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION

PIER A

REPAIR 9

CONCRETE PATCHING AND COATING - SUBSTRUCTURE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION	DATE

DATE PLOTTED: 05/06/2025



PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

DATE: 05/06/2025	CHECKED BY
DESIGNED BY: D. Liem	J. Whelan
DETAILED BY: D. Liem	J. Whelan

CONCRETE COATING-SUBSTRUCTURE
CROSSING OHIO RIVER

ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S30	COUNTY OF MASON DRAWING NUMBER 28962
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Repair 9 - Concrete Patching and Coating - Substructure

1. The total anticipated quantity for Pier D patching is 54 square feet, including a 10% contingency.
2. See Special Note for Epoxy Crack Injection.
3. See Special Note for Concrete Patching Repair.
4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

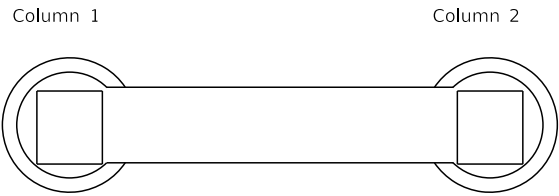
LEGEND



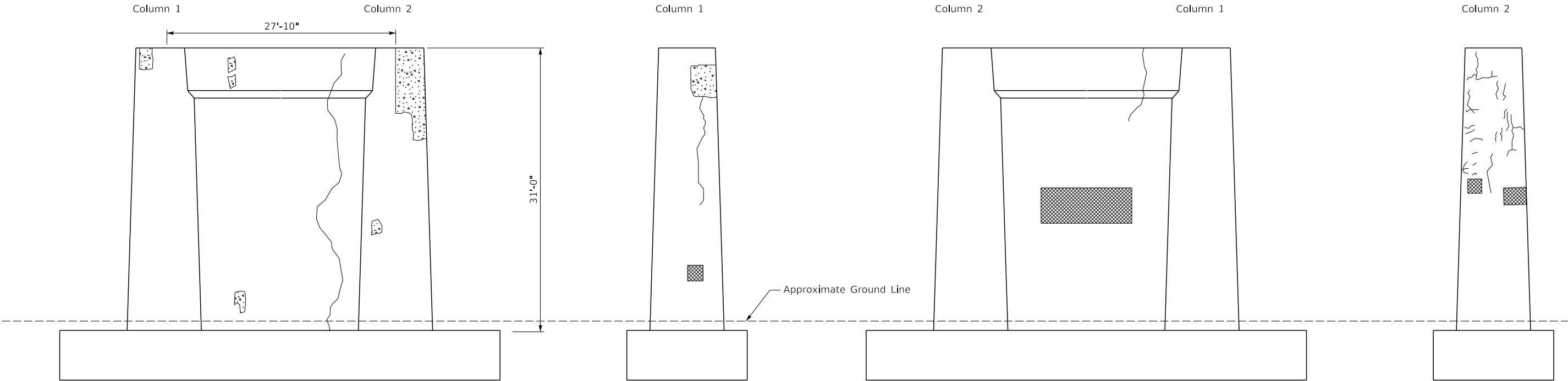
- Existing Patch



- Proposed Concrete Patching



PLAN OF CAP



SOUTH ELEVATION

WEST ELEVATION

NORTH ELEVATION

EAST ELEVATION

PIER D

REPAIR 9

CONCRETE PATCHING AND COATING - SUBSTRUCTURE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION	DATE

DATE PLOTTED: 05/06/2025



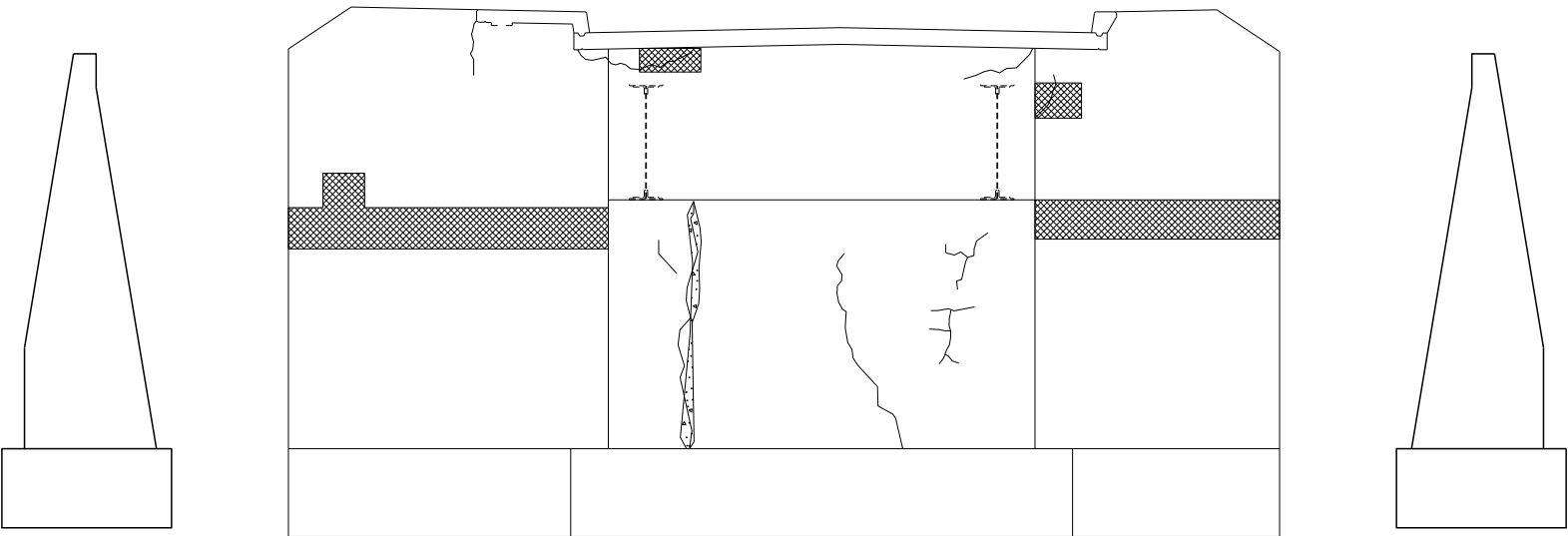
PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

DATE: 05/06/2025	CHECKED BY
DESIGNED BY: D. Liem	J. Whelan
DETAILED BY: D. Liem	J. Whelan

CONCRETE COATING-SUBSTRUCTURE
CROSSING OHIO RIVER

ROUTE US 62X	ITEM NO. 9-10091.00 SHEET NO. S31	COUNTY OF MASON DRAWING NUMBER 28962
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ABUTMENT A6 – WEST ELEVATION



ABUTMENT A6 – SOUTH ELEVATION

ABUTMENT A6 – EAST ELEVATION

Repair 9 - Concrete Patching and Coating - Substructure

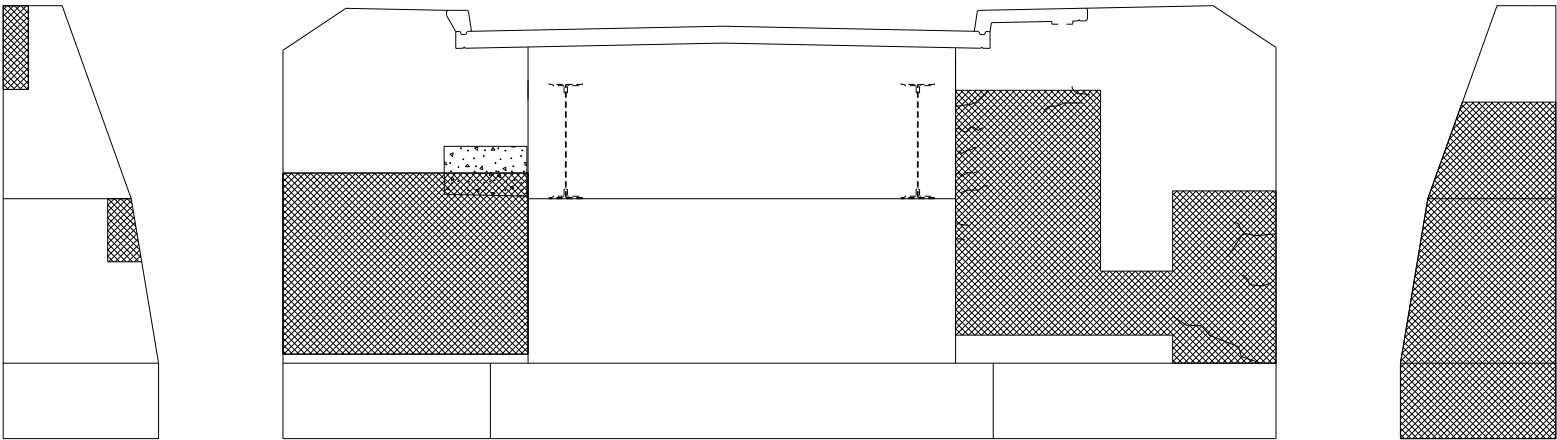
1. The total anticipated quantity for Abutment M4 patching is 263 square feet, including a 10% contingency. The total anticipated quantity for Abutment A6 patching is 48 square feet, including a 10% contingency.
2. See Special Note for Epoxy Crack Injection.
3. See Special Note for Concrete Patching Repair.
4. Install galvanic anodes in accordance with the Special Note for Embedded Galvanic Anodes.
5. Apply Concrete Coating in accordance with the Special Note for Concrete Coating.

LEGEND

-  - Existing Patch
-  - Proposed Concrete Patching

REPAIR 9

CONCRETE PATCHING AND COATING - SUBSTRUCTURE



ABUTMENT M4 – EAST ELEVATION

ABUTMENT M4 – NORTH ELEVATION

ABUTMENT M4 – WEST ELEVATION



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION

DATE

AECOM

PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

DATE: 05/06/2025

DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

CONCRETE COATING-SUBSTRUCTURE

CROSSING
OHIO RIVER

ROUTE

US 62X

ITEM NO.

9-10091.00

SHEET NO.

S32

COUNTY OF

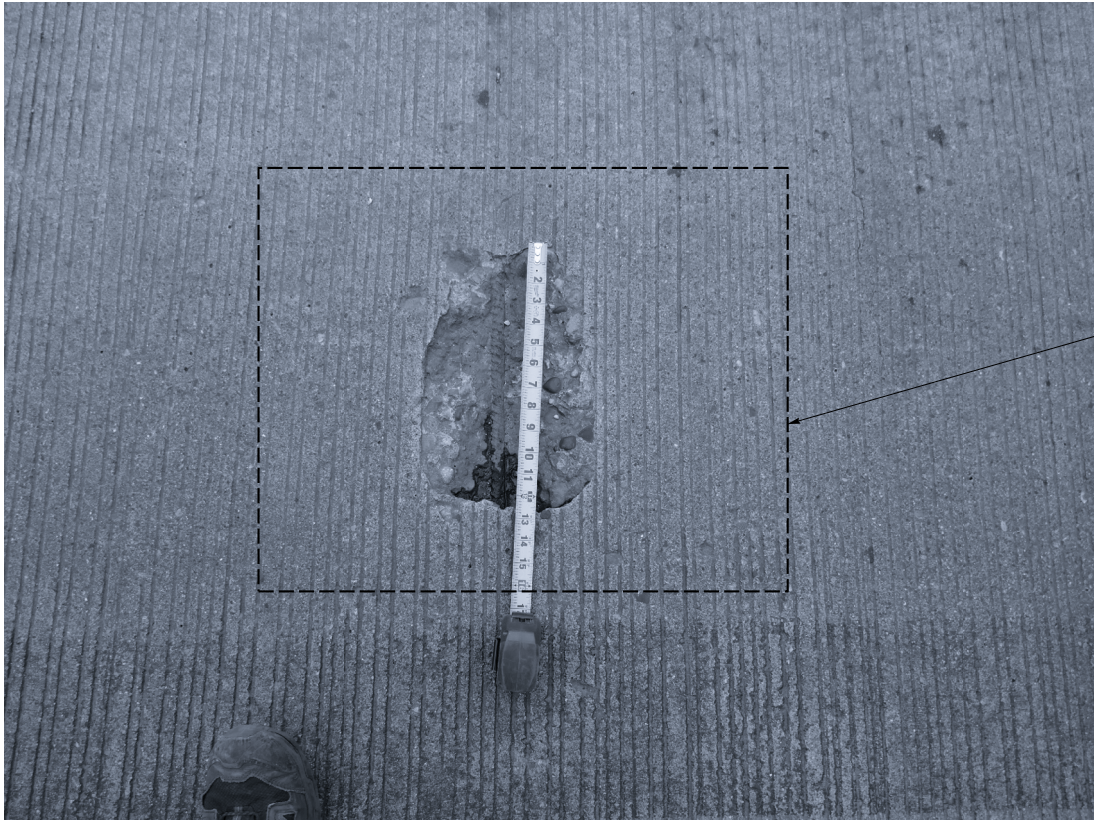
MASON

DRAWING NUMBER

28962

DATE PLOTTED: 05/06/2025

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25



Patch Spalled Areas of Superstructure

Location	SF
M7-M5 Underside	2
Contingency	28
Total	30

REPAIR 10
CONCRETE REPAIRS - SUPERSTRUCTURE

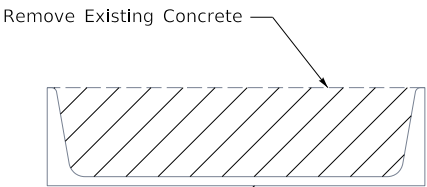
Repair 10 - Concrete Patching Repairs

- 1. Patch isolated concrete spalls in the deck.
- 2. Refer to Special Note for Concrete Patching



Repair Deteriorated Concrete Stair Treads

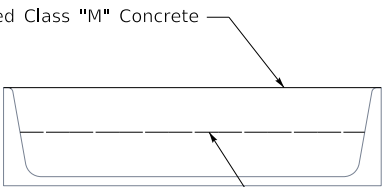
- Repair 11 - Sidewalk Concrete Patching
- 1. Replace sidewalk step concrete for 10 steps on the Aberdeen side and 3 steps on the Maysville side.
 - 2. Class "M" concrete is to be used for sidewalk step repairs.
 - 3. Concrete removal and welded wire reinforcement shall be considered incidental to the Unit Price bid for Concrete Class M1.



Remove Existing Concrete

Existing C10x15.3 (Clean and Reuse)

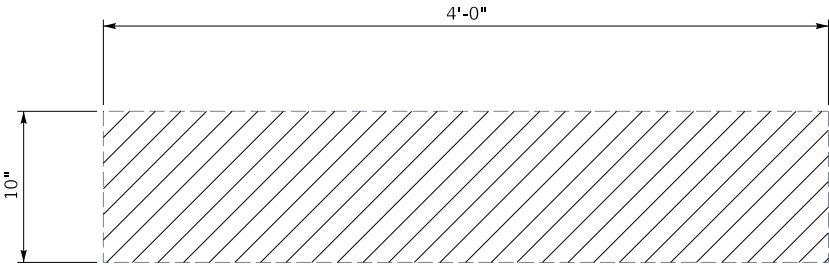
EXISTING SECTION



Proposed Class "M" Concrete

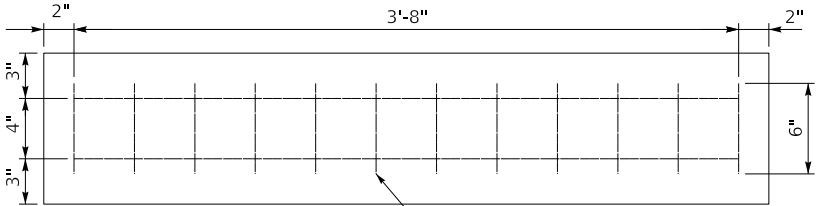
4X4 Welded Wire Fabric (WWF) Centered in New Concrete

PROPOSED SECTION



Removal Limits

EXISTING PLAN



4X4 WWF Centered in New Concrete

PROPOSED PLAN



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION	DATE

DATE PLOTTED: 05/06/2025



PREPARED BY
AECOM
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Suite 1600
Louisville, KY 40202-4251
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FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

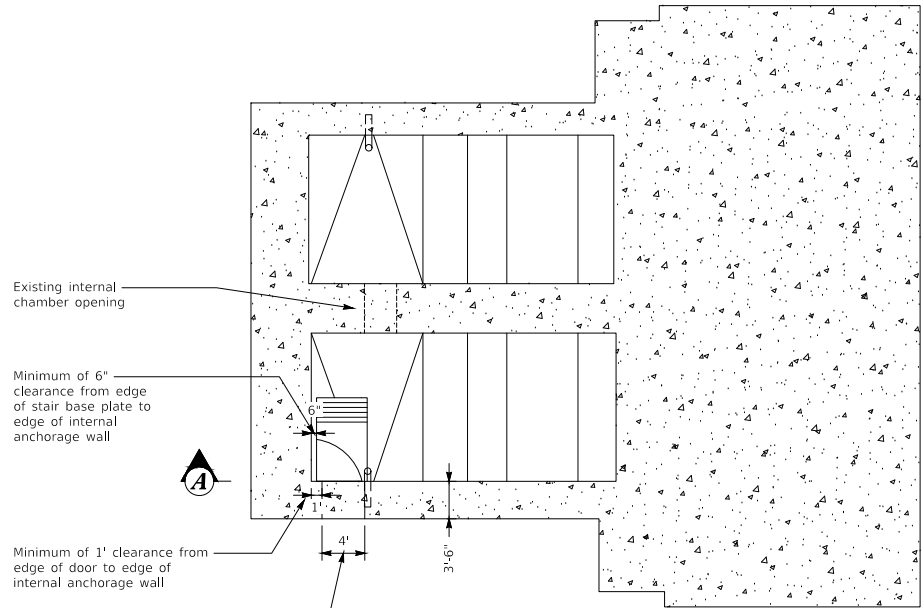
DATE: 05/06/2025	CHECKED BY
DESIGNED BY: D. Liem	J. Whelan
DETAILED BY: D. Liem	J. Whelan

SIDEWALK CONCRETE PATCHING
CROSSING
OHIO RIVER

ROUTE
US 62X

ITEM NO. 9-10091.00
SHEET NO. S34

COUNTY OF MASON
DRAWING NUMBER 28962



TYPICAL ANCHORAGE PLAN

*Maysville anchorage will require a landing and stairway inside the buffer chamber. Contractor shall collect existing elevation information inside and outside of the anchorage to determine the height of the platform required.

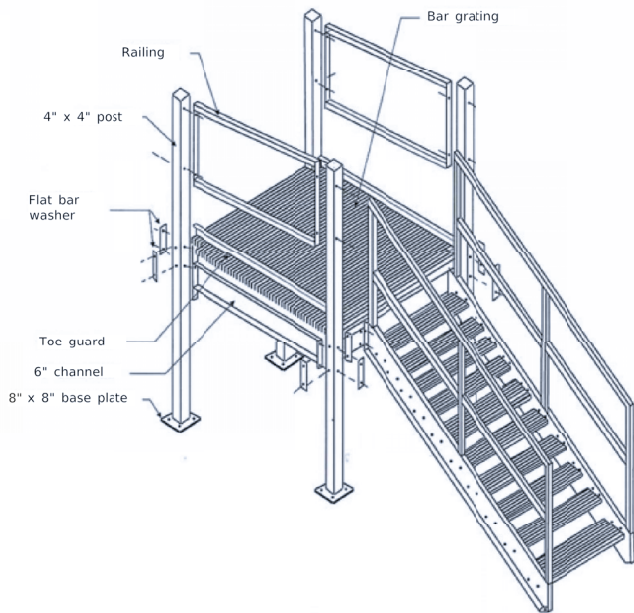
*APPROX. GROUND LINE EL 509.0
MAYSVILLE ANCHORAGE
*APPROX. GROUND LINE EL 504.5
ABERDEEN ANCHORAGE

Proposed header beam. See proposed options this sheet for details. Wall to be temporarily supported during installation.

APPROX FLOOR LEVEL
EL 505.0

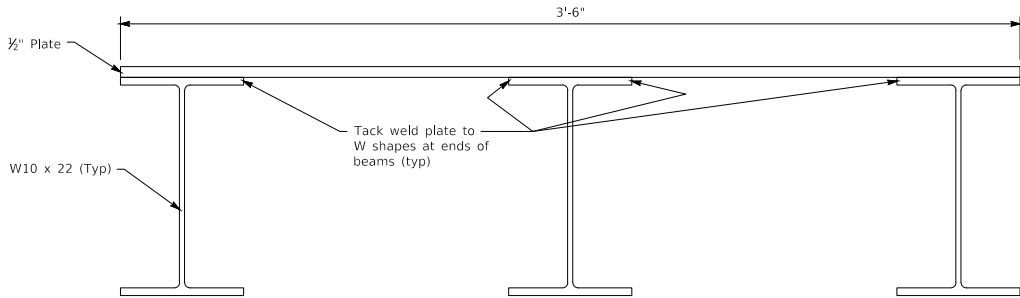
Proposed anchorage access door cut into external anchorage wall. Door to be 4' x 7'-6". Door opening to be 7" above groundline to prevent water ingress.

SECTION A-A

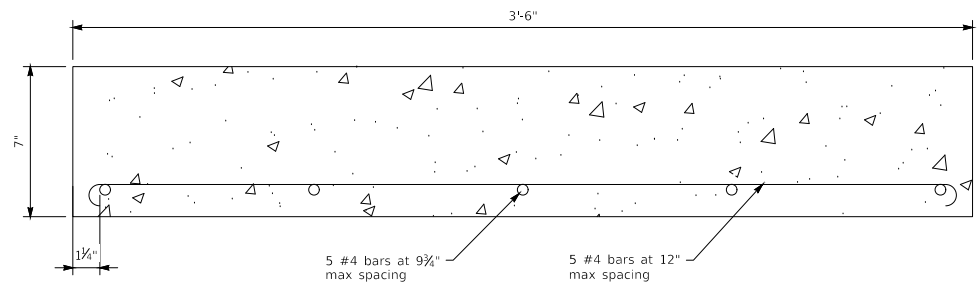


MAYSVILLE ANCHORAGE PROPOSED PREFABRICATED LANDING AND STAIRWAY

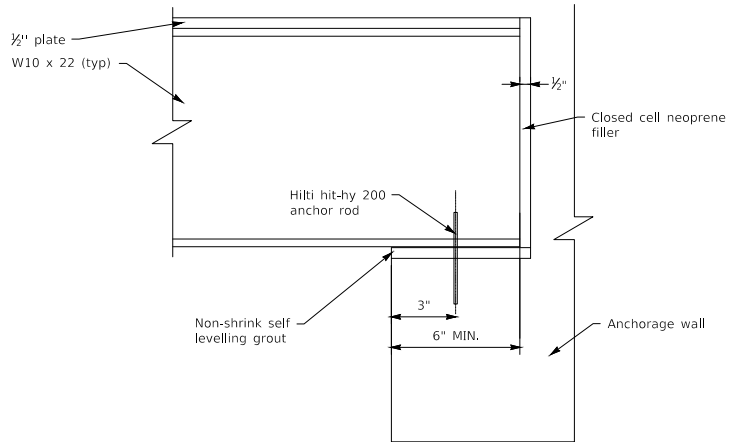
NOTE:
Non-shrink grout to be used under base plates to provide level anchoring surface



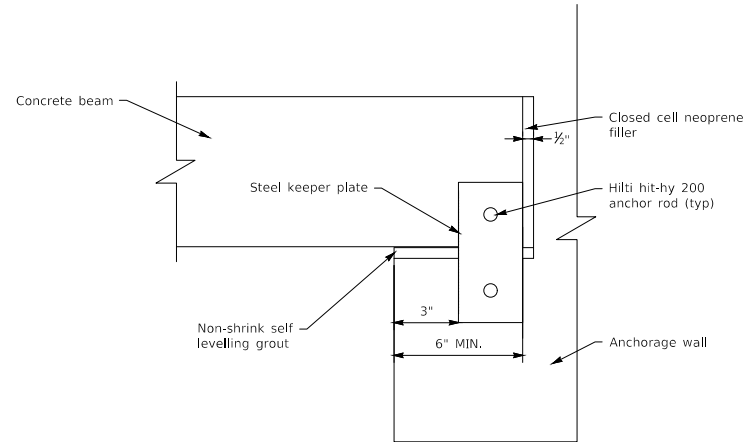
OPTION 1: 3 W10 x 22 HEADER BEAMS FOR ANCHORAGE DOORS



OPTION 2: PRECAST CONCRETE HEADER BEAM FOR ANCHORAGE DOORS



OPTION 1 END DETAIL AT ANCHORAGE WALL



OPTION 2 END DETAIL AT ANCHORAGE WALL

GENERAL NOTES:

1. Prior to preparing any shop drawings, the contractor shall take all necessary field measurements of the existing structures to verify the existing conditions and to ensure the proper fit of the new structural steel components to be installed under this contract.
2. Refer to special note for anchorage door installation for additional requirements.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: BimsonE

REVISION

DATE

PREPARED BY
AECOM
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

DATE: 05/06/2025
DESIGNED BY: N.KIRN
DETAILED BY: M.BULMER

CHECKED BY
J.PUDLEINER
N.KIRN

ANCHORAGE DOOR INSTALLATION
CROSSING
OHIO RIVER

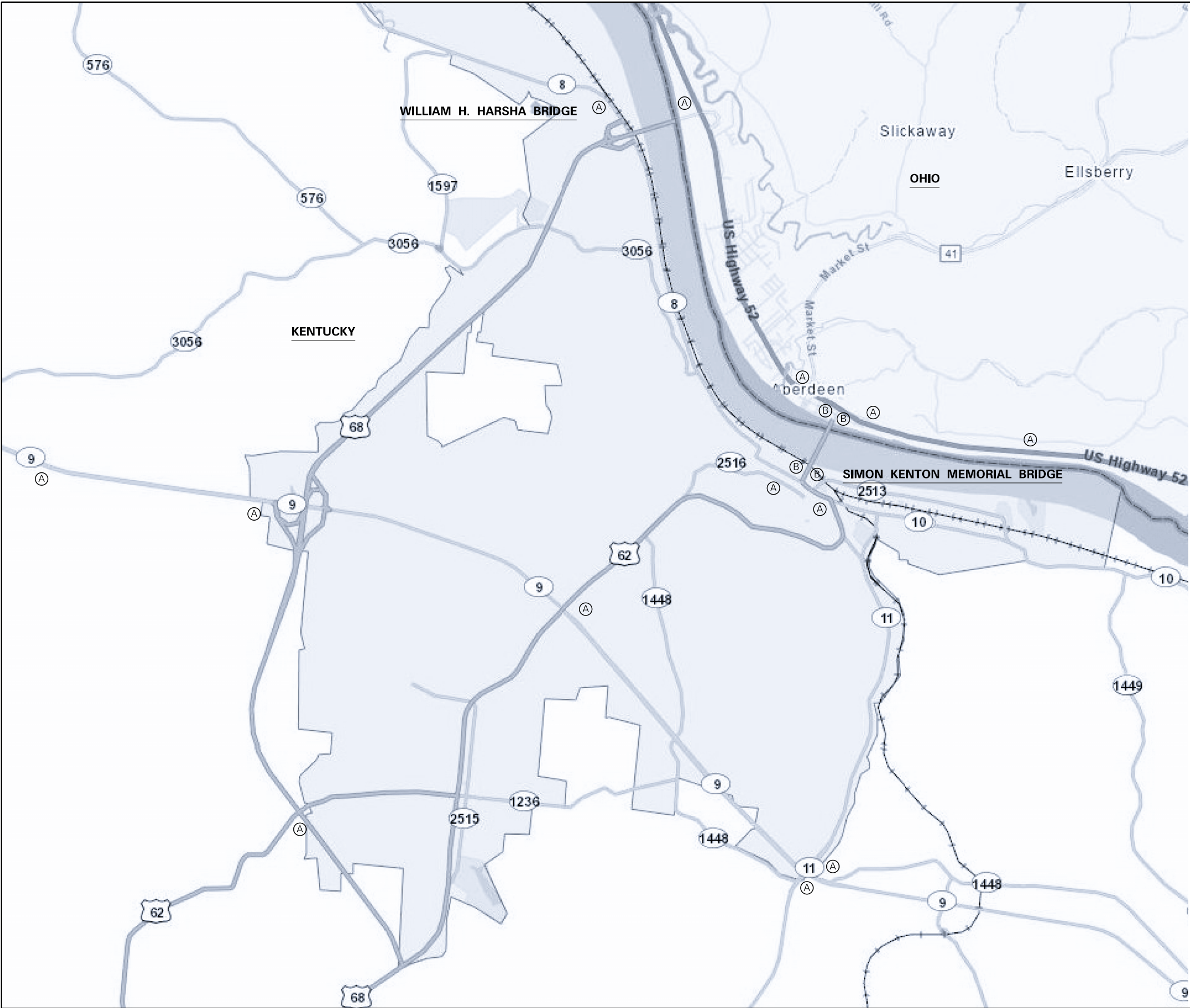
ROUTE
US 62X

ITEM NO.
9-10091.00
SHEET NO.
S35

COUNTY OF
MASON
DRAWING NUMBER
28962

DATE PLOTTED: 02/05/2025

FILE NAME: KYTC-SIMON-KENTON-BRIDGE_WIP

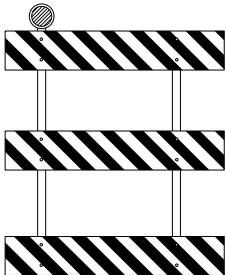


Portable Changeable Message Sign

(A)



R11-2
(48" x 30")



Type III Barricade
(Two Sets of Two Barricades at Each Location)

(B)



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: LiemD

REVISION	DATE

DATE PLOTTED: 05/06/2025



PREPARED BY
AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202-4251
www.aecom.com

FILE NAME: _ACM-G-FS_ISO_ANSI_D_LAND 05-06-25

DATE: 05/06/2025

DESIGNED BY: D. Liem

DETAILED BY: D. Liem

CHECKED BY

J. Whelan

J. Whelan

SIMON KENTON DETOUR MAP

CROSSING

OHIO RIVER

ROUTE

US 62X

ITEM NO.

9-10091.00

SHEET NO.

S36

COUNTY OF

MASON

DRAWING NUMBER

28962