

ISSUE RECORD:		
NO.	DATE	DESCRIPTION

pw:\\V\\AN\\A01PW\\INT01.parsons.com:Ohio State\\Documents\\DB-Akron Beltway Rehab\\10 - Design\\102329\\Structures\\BU-15\\Sheets\\008_0023S_MD002.dgn Sheet 10/4/2021 2:45:18 PM KChrisman



LOCATION MAP



LOCATION MAP

	SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329	LOCATION MAP BRIDGE NO. SUM-8-0023S, SUM-8-0038, SUM-8-0117, SUM-8-0125, SUM-8-0160, SUM-59-0341 SUM-76-1151L, SUM-76-1154R, SUM-77-0974R, SUM-77-0975L, SUM-77-1022, SUM-77-1082		DESIGNED KDC	DRAWN KDC	REVIEWED SAN	DATE 6/18/21	DESIGN AGENCY PRIME 4415 N. High Street Columbus, Ohio 43231
				CHECKED JAT	REVISED	STRUCTURE FILE NUMBER		

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

p:\V\ANV\A01PW\NT01.parsons.com:Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-15\Sheets\008_00235_008_00235.dgn Sheet 10/4/2021 2:45:27 PM KChrisman

STANDARD DRAWINGS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AS-1-15	REVISED	7/17/15
AS-2-15	REVISED	1/18/15
BR-1-13	REVISED	1/17/14
EXJ-4-87	REVISED	1/19/18
GSD-1-19	REVISED	1/15/21
SBR-1-20	REVISED	7/17/20
VPF-1-90	REVISED	7/20/18

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.

EXISTING BRIDGE PLANS:

EXISTING AND REHABILITATION BRIDGE PLANS HAVE BEEN PROVIDED BY ODOT DISTRICT 4.

PROPOSED WORK:

SUM-8-0023S (RAMP S (SR-8 SB TO I-76 EB)):

- SEAL BRIDGE DECK AND APPROACH SLABS WITH GRAVITY FED RESIN.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- PAINT FASCIA BEAMS (EXTERIOR AND BOTTOM FLANGES ONLY) OF THE EXISTING STRUCTURAL STEEL AS PER C&MS 514.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACHES.
- REPAIR THE PARAPET AT THE REAR LEFT OF THE STRUCTURE.
- REPAIR THE EROSION AT THE REAR LEFT OF THE STRUCTURE.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-8-0038 (JOHNSTON ST. OVER SR-8):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON THE SIDEWALK AND EPOXY-URETHANE SEALER ON THE REMAINDER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- PAINT ALL STRUCTURAL STEEL AS PER C&MS 514.
- REPAIR PAINT THE EXISTING METAL CURB PLATES AND SIDEWALK ARMOR AS PER C&MS 514.22.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD APPROACHES.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).

PROPOSED WORK (CONT'D):

- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-8-0117 (CARROLL ST. OVER SR-8):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON THE SIDEWALK AND EPOXY-URETHANE SEALER ON THE REMAINDER.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARDS APPROACHES.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-8-0125 (BUCHTEL ST. OVER SR-8):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON THE SIDEWALK AND EPOXY-URETHANE SEALER ON THE REMAINDER.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.
- REMOVE AND REPLACE PORTIONS OF APPROACH SIDEWALK AS DESIGNATED BY THE ENGINEER.

SUM-8-0160 (FORGE ST. OVER SR-8):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- SEAL BRIDGE DECK AND APPROACH SLABS WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON THE SIDEWALK AND EPOXY-URETHANE SEALER ON THE REMAINDER.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REMOVE AND REPLACE THE EXISTING ASPHALT FROM THE PRESSURE RELIEF JOINTS AT EACH END OF THE STRUCTURE.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

PROPOSED WORK (CONT'D):

SUM-59-0341 (PERKINS ST. OVER SR-8):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON THE SIDEWALK AND EPOXY-URETHANE SEALER ON THE REMAINDER.
- REMOVE AND REPLACE PORTIONS OF THE APPROACH SIDEWALK AS DESIGNATED BY THE ENGINEER.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-76-1151L (I-76 WB OVER I-77 NB & SR-8):

- REMOVE ASPHALT FROM BRIDGE DECK AND APPROACH SLABS AND REPLACE WITH A NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE ORIGINAL DECK ELEVATION.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- PAINT ALL STRUCTURAL STEEL AS PER C&MS 514.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACHES.
- PERMANENTLY CLOSE THE EXISTING RAMP N CONNECTION BY CONSTRUCTING A NEW CONCRETE PARAPET.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-76-1154R (I-76 EB OVER I-77 NB & SR-8):

- REMOVE ASPHALT FROM BRIDGE DECK AND APPROACH SLABS AND REPLACE WITH A NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE ORIGINAL DECK ELEVATION.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- PAINT ALL STRUCTURAL STEEL AS PER C&MS 514.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACHES.
- PERMANENTLY CLOSE THE EXISTING RAMP P CONNECTION BY CONSTRUCTING A NEW CONCRETE PARAPET.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

PROPOSED WORK (CONT'D):

SUM-77-0974R (I-77 NB OVER WATERLOO RD.):

- INSTALL A MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT EXISTING DECK ELEVATION.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- REMOVE AND REPLACE THE EXPANSION JOINTS AT THE REAR AND FORWARD APPROACHES.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE AND REPLACE ALL END CROSSFRAMES AT THE REAR ABUTMENT.
- REMOVE AND REPLACE THE EXISTING REAR AND FORWARD APPROACH SLABS. THE NEW APPROACH SLABS SHALL BE FULL-WIDTH, PROVIDE THE PARAPET TRANSITIONS AND PROVIDE THE APPROPRIATE APPROACH SLAB INSTALLATION PER STD. DWG. AS-2-15.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION.

SUM-77-0975L (I-77 SB OVER WATERLOO RD.):

- INSTALL A MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT EXISTING DECK ELEVATION.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- REMOVE AND REPLACE THE EXPANSION JOINTS AT THE FORWARD AND REAR APPROACHES.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE AND REPLACE THE EXISTING REAR AND FORWARD APPROACH SLABS. THE NEW APPROACH SLABS SHALL BE FULL-WIDTH, PROVIDE THE PARAPET TRANSITIONS AND PROVIDE THE APPROPRIATE APPROACH SLAB INSTALLATION PER STD. DWG. AS-2-15.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY



PRIME
ENGINEERING
4445 Ridge Road
Columbus, Ohio 43231

GENERAL NOTES (1 OF 5)

SUM-76/77/8-8.24/9.74/0.00

PID No. 102329

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DESIGNED	DRAWN	REVIEWED	DATE
KDC	KDC	SAN	6/18/21
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PROPOSED WORK (CONT'D):

SUM-77-1022 (CATAWBA AVE. OVER I-77):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON SIDEWALKS AND EPOXY-URETHANE ELSEWHERE AS SHOWN IN THE PLANS.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-77-1082 (I-77 OVER FIRESTONE BLVD.):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH AN EPOXY-URETHANE SEALER.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE EXISTING CONCRETE OVERLAY & EXISTING ASPHALT OVERLAY FROM BRIDGE DECK AND APPROACH SLABS AND REPLACE WITH A NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT ELEVATION OF EXISTING CONCRETE OVERLAY. ADJUST CROWN ON THE SOUTHBOUND BRIDGE ONLY.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACH.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION.

SUM-77-1096 (I-77 OVER ARCHWOOD AVE. CR-671):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH AN EPOXY-URETHANE SEALER.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE EXISTING CONCRETE OVERLAY & EXISTING ASPHALT OVERLAY FROM BRIDGE DECK AND APPROACH SLABS AND REPLACE WITH A NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT ELEVATION OF EXISTING CONCRETE OVERLAY. ADJUST CROWN ON NORTHBOUND AND SOUTHBOUND BRIDGES.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACH.
- REFURBISH ALL BEARINGS AT REAR AND FORWARD ABUTMENTS.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION.

SUM-764-0214 (SR 764 OVER I-77):

- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

PROPOSED WORK (CONT'D):

SUM-77-1132 (COLE AVENUE OVER I-77):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON SIDEWALKS AND EPOXY-URETHANE ELSEWHERE AS SHOWN IN THE PLANS.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- REMOVE EXISTING CATHODIC PROTECTION SYSTEM, THIS INCLUDES DISCONNECTING THE POWER SERVICE, REMOVAL OF CABINET, CONDUIT, WIRING, ETC.
- REPAIR AREAS OF THE CURB AS DESIGNATED BY THE ENGINEER.
- INSPECT SUBSTRUCTURE, MARK THE AREAS TO BE PATCHED AND PERFORM THE REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.

SUM-77-1152 (LOVERS LANE OVER I-77):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY SEALER ON SIDEWALKS AND EPOXY-URETHANE ELSEWHERE AS SHOWN IN THE PLANS.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE AND REPLACE THE EXISTING VANDAL PROTECTION FENCE AS PER STD. DWG. VPF-1-90 (STRAIGHT FENCE). THE COLOR OF ALL VISUAL HARDWARE AND FABRIC SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- REMOVE EXISTING CATHODIC PROTECTION SYSTEM, THIS INCLUDES DISCONNECTING THE POWER SERVICE, REMOVAL OF CABINET, CONDUIT, WIRING, ETC.
- REPAIR AREAS OF THE CURB AS DESIGNATED BY THE ENGINEER.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.
- REPLACE THE MISSING TOP RAILING ON THE SOUTH PARAPET.

PROPOSED WORK (CONT'D):

SUM-77-1201 (I-77 NB OVER SR-8):

- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH AN EPOXY-URETHANE SEALER.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- PAINT FASCIA BEAMS (EXTERIOR AND BOTTOM FLANGES ONLY) OF THE EXISTING STRUCTURAL STEEL AS PER CMS514.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACH.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING STRUCTURE IDENTIFICATION SIGNS (IF PRESENT) AND INSTALL NEW STRUCTURE IDENTIFICATION SIGNS IN THE APPROACH DIRECTION(S).
- PROVIDE VERTICAL CLEARANCE MEASUREMENTS PRIOR TO THE START OF CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION.
- SEAL BRIDGE DECK AND APPROACH SLABS WITH GRAVITY FED RESIN.

SPECIAL - STRUCTURES: CONCRETE SPALL REMOVAL:

THIS WORK WILL CONSIST OF REMOVING ALL VISIBLY SPALLED AREAS OF THE BOTTOM DECK FLOOR OF VARIOUS STRUCTURES WITHOUT SOUNDING. AFTER SPALLED CONCRETE AREAS HAVE BEEN REMOVED, REMOVAL AREAS WILL BE SEALED WITH ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE).

CONCRETE SPALL REMOVAL WILL BE PAID FOR AT THE UNIT BID PRICE FOR SPECIAL-STRUCTURE MISC.: CONCRETE SPALL REMOVAL. THIS PRICE WILL INCLUDE THE COST OF LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

THE FOLLOWING ESTIMATED QUANTITIES WERE PROVIDED BY ODOT AT BID TIME:

ITEM SPECIAL - STRUCTURE MISC.: CONCRETE SPALL REMOVAL

SUM-8-0023S	10 SQ YD	SUM-77-0975L	10 SQ YD
SUM-8-0038	10 SQ YD	SUM-77-1022	10 SQ YD
SUM-8-0117	10 SQ YD	SUM-77-1082	10 SQ YD
SUM-8-0125	10 SQ YD	SUM-77-1096	10 SQ YD
SUM-8-0160	10 SQ YD	SUM-77-1132	10 SQ YD
SUM-59-0341	10 SQ YD	SUM-77-1152	10 SQ YD
SUM-76-1151L	10 SQ YD	SUM-77-1201	10 SQ YD
SUM-76-1154R	10 SQ YD	SUM-764-0214	10 SQ YD
SUM-77-0974R	10 SQ YD		

ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), FOR CONCRETE SPALL REMOVAL

SUM-8-0023S	10 SQ YD	SUM-77-0975L	10 SQ YD
SUM-8-0038	10 SQ YD	SUM-77-1022	10 SQ YD
SUM-8-0117	10 SQ YD	SUM-77-1082	10 SQ YD
SUM-8-0125	10 SQ YD	SUM-77-1096	10 SQ YD
SUM-8-0160	10 SQ YD	SUM-77-1132	10 SQ YD
SUM-59-0341	10 SQ YD	SUM-77-1152	10 SQ YD
SUM-76-1151L	10 SQ YD	SUM-77-1201	10 SQ YD
SUM-76-1154R	10 SQ YD	SUM-764-0214	10 SQ YD
SUM-77-0974R	10 SQ YD		

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITY AS APPROVED BY THE ENGINEER IN CHARGE.

SPECIAL - STRUCTURE, CURB REPAIR:

THIS ITEM WILL BE USED TO REPAIR THE DETERIORATED FACE OF THE CURB ON THE BRIDGE DECK AND/OR APPROACH SLABS. THIS WORK WILL BE PERFORMED IN ACCORDANCE WITH ITEM 519 - PATCHING CONCRETE STRUCTURES AND AS MODIFIED HEREIN.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL.

ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR SPECIAL - PATCHING CONCRETE STRUCTURE, MISC.: CURB REPAIR AND WILL BE PAID FOR PER FOOT.

THE FOLLOWING ESTIMATED BID QUANTITIES WERE PROVIDED BY ODOT AT BID TIME:

ITEM SPECIAL - STRUCTURE, MISC.: CURB REPAIR

SUM-77-1132	50 FT
SUM-77-1152	50 FT

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITY AS APPROVED BY THE ENGINEER IN CHARGE.

ITEM SPECIAL - REMOVE EXISTING CATHODIC PROTECTION SYSTEM:

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO REMOVE THE EXISTING CATHODIC PROTECTION SYSTEM, INCLUDING DISCONNECTING THE POWER SERVICE, REMOVAL OF CABINET, CONDUIT & WIRING. THE REMOVAL OF OVERHEAD POWER LINES & POLES ARE NOT INCLUDED IN THE SCOPE OF WORK. THE FOLLOWING BRIDGES SHALL HAVE THE CATHODIC PROTECTION REMOVED:

SUM-77-1132
SUM-77-1152

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF. AS PER PLAN:

ALL REQUIREMENTS OF C&MS 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PRE-QUALIFIED AS SPECIFIED IN S1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH C&MS 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "ASBUILT" DRAWINGS ACCORDING TO C&MS 513.06, EXCEPT C&MS 501.04 DOES NOT APPLY. UPON RECEIPT OF THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAWINGS, ACCORDING TO S1002, TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM:

EXPANSION JOINT HARDWARE (SUM-77-0974R & SUM-77-0975L)
END CROSSFRAMES (SUM-77-0974R)

DESIGN AGENCY



PRIME
STATE AGENCY FOR
COLUMBUS, OHIO 43201

GENERAL NOTES (2 OF 5)

SUM-76/77/8-8.24/9.74/0.00

PID No. 102329

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DRAWN
KDC

CHECKED
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REVIEWED
SAN

DATE
6/18/21

STRUCTURE FILE NUMBER

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ITEM 519 - PATCHING CONCRETE STRUCTURES:

THIS WORK WILL CONSIST OF INSPECTING AND MARKING OF DETERIORATED CONCRETE AREAS AT THE EXISTING BRIDGE DECK, ABUTMENTS AND PIERS, BY THE CONTRACTOR, TO BE CONFIRMED BY THE ENGINEER IN CHARGE. SPALLS FORMING ARE EVIDENCED BY A VISUAL EDGE. DELAMINATIONS THAT DO NOT HAVE A VISIBLE EDGE WILL BE CONFIRMED AND OUTLINED BY THE ENGINEER IN CHARGE. ALL APPROVED DELINEATED AREAS SHALL BE REPAIRED IN ACCORDANCE WITH ITEM 519 - PATCHING CONCRETE SURFACES & ITEM 519 - PATCHING CONCRETE BRIDGE DECK, TYPE C. REPAIR OF EXISTING CONCRETE WILL BE PAID FOR AT THE UNIT BID PRICE FOR PATCHING CONCRETE STRUCTURES. THIS PRICE WILL INCLUDE THE COST OF LABOR, EQUIPMENT, AND ALL INCIDENTALS REQUIRED TO COMPLETE THIS WORK.

THE FOLLOWING ESTIMATED QUANTITIES WERE PROVIDED BY ODOT AT BID TIME:

ITEM 519, PATCHING CONCRETE STRUCTURES

200 SF - SUM-8-0023S	200 SF - SUM-77-0975L
200 SF - SUM-8-0038	200 SF - SUM-77-1022
200 SF - SUM-8-0117	200 SF - SUM-77-1082
200 SF - SUM-8-0125	200 SF - SUM-77-1096
200 SF - SUM-8-0160	200 SF - SUM-77-1132
200 SF - SUM-59-0341	200 SF - SUM-77-1152
200 SF - SUM-76-1151L	200 SF - SUM-77-1201
200 SF - SUM-76-1154R	
200 SF - SUM-77-0974R	

ITEM 519, PATCHING CONCRETE BRIDGE DECK, TYPE C

25 SY - SUM-8-0023S
25 SY - SUM-8-0160
25 SY - SUM-77-1201

ITEM SPECIAL - MISC.: VERTICAL CLEARANCE:

BEFORE ANY CONSTRUCTION TAKES PLACE AND AFTER ALL CONSTRUCTION HAS BEEN COMPLETED, A REGISTERED SURVEYOR WILL TAKE VERTICAL CLEARANCE MEASUREMENTS AT LOCATIONS INDICATED ON THE APPROVED ODOT FORM (AVAILABLE IN THE DISTRICT 4 STRUCTURES AND PAVEMENT OFFICE). FOR THE STRUCTURES WHERE THE PROPOSED WORK WILL NEITHER AFFECT THE POSITION OF THE LOWER CHORD NOR THE ROADWAY SURFACE BELOW, THE VERTICAL CLEARANCE DOES NOT NEED TO BE MEASURED AFTER ALL CONSTRUCTION HAS BEEN COMPLETED. THE FINAL MEASUREMENTS SHALL BE RECORDED ON THE FORM AND SUBMITTED TO THE PROJECT ENGINEER AND THE DISTRICT 4 STRUCTURES AND PAVEMENT ENGINEER. THE RECORD SHALL BEAR THE SEAL OF THE LICENSED SURVEYOR WHO HAS TAKEN THE MEASUREMENTS. THIS WORK SHALL BE PERFORMED AT ALL OF THE OVERHEAD STRUCTURES WITHIN THE PROJECT LIMITS.

THE VERTICAL CLEARANCE SHALL BE MEASURED PRIOR TO AND AFTER CONSTRUCTION AT THE FOLLOWING STRUCTURES:

SUM-8-0023S	SUM-76-1154R
SUM-8-0038	SUM-77-1022
SUM-8-0117	SUM-77-1132
SUM-8-0125	SUM-77-1152
SUM-8-0160	SUM-77-1201
SUM-59-0341	SUM-764-0214
SUM-76-1151L	

THE VERTICAL CLEARANCE SHALL BE MEASURED ONLY PRIOR TO CONSTRUCTION AT THE FOLLOWING STRUCTURES:

SUM-77-0974R	SUM-77-1082
SUM-77-0975L	SUM-77-1096

ITEM SPECIAL: STRUCTURE, MISC.: EROSION REPAIR:

THE CONTRACTOR SHALL REPAIR ERODED AREAS WITHIN THE LIMITS OF THE RIGHT-OF-WAY. THE FOLLOWING ESTIMATED QUANTITIES WERE PROVIDED AT BID TIME:

SUM-8-0023 - 30 CY

THE DEPARTMENT WILL PAY FOR THE EXTENT OF REPAIR AS APPROVED BY THE ENGINEER IN CHARGE.

ITEM 516 - REFURBISHING BEARING DEVICES, AS PER PLAN:

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN BRIDGE BEARINGS AS WELL AS THEIR CLEANING AND PAINTING. INCLUDED SHALL BE THE DISASSEMBLY OF BEARINGS, HAND TOOL CLEANING (GRINDING IF NECESSARY), PAINTING ACCORDING TO ITEM 514, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (C&MS 711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARINGS TO PROVIDE A SNUG FIT, REALIGNMENT OF THE UPPER BEARING PLATE BY REMOVING EXISTING WELDS AND REWELDING SO THAT THE BEARINGS ARE VERTICALLY ALIGNED AT 60°F, LUBRICATING SLIDING SURFACES, AND REASSEMBLY OF THE BEARINGS. ASSURE ALL BEARINGS ARE SHIMMED ADEQUATELY AND THAT NO BEAMS AND/OR BEARING DEVICES ARE "FLOATING". AT NO ADDITIONAL COST TO STATE, THE CONTRACTOR MAY INSTALL NEW BEARINGS OF THE SAME TYPE AS THE EXISTING IN PLACE OF REFURBISHING THE BEARINGS. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. THE BEARINGS SHALL BE REFURBISHED AT THE FOLLOWING BRIDGES AT THE ABUTMENT ONLY:

SUM-8-0038	SUM-77-0974R
SUM-76-1151L	SUM-77-0975L
SUM-76-1154R	SUM-77-1096

STRUCTURE/CULVERT IDENTIFICATION SIGNS:

STRUCTURE IDENTIFICATION SIGNS (I-H25b) WILL BE PLACED ON EACH APPROACH OFF THE RIGHT SHOULDER, FACING TRAFFIC, AND BEHIND THE GUARDRAIL IF APPLICABLE. A QUANTITY OF ONE SIGN PER APPROACH WILL BE INSTALLED. THE SIGNS WILL HAVE A NON-REFLECTIVE WHITE SHEETING BACKGROUND.

THE SIGNS WILL BE MOUNTED ON NEW NO. 2 POSTS AND WILL BE INSTALLED AS PER STANDARD CONSTRUCTION DRAWING TC-41.20, MOST CURRENT REVISION. EACH POST WILL BE 7.5' IN LENGTH.

INSTALL SIGNS FOR THE FOLLOWING STRUCTURES:

SUM-8-0023S	SUM-76-1151L	SUM-77-1096
SUM-8-0038	SUM-76-1154R	SUM-77-1132
SUM-8-0117	SUM-77-0974R	SUM-77-1152
SUM-8-0125	SUM-77-0975L	SUM-77-1201
SUM-8-0160	SUM-77-1022	SUM-764-0214
SUM-59-0341	SUM-77-1082	

ITEM 514. FIELD PAINTING, MISC: REPAIR PAINTING:

PAINTED CURB PLATES AND SIDEWALK JOINT ARMOR AREAS THAT ARE DAMAGED OR RUSTED WILL BE DESIGNATED BY THE PROJECT ENGINEER. THE C&MS 514.22 PROCESS WILL BE USED TO REPAIR THESE AREAS. THE COLOR SHALL MATCH THE EXISTING PAINT SYSTEM.

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH ALL NECESSARY EQUIPMENT TO INSPECT THIS WORK.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE UNIT PRICE BID PER SQUARE FOOT FOR ITEM 514 - FIELD PAINTING, MISC.: REPAIR PAINTING. A CONTINGENCY QUANTITY OF 50 SF HAS BEEN ESTIMATED FOR BRIDGE NO. SUM-8-0038, TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 514. PAINTING EXISTING STRUCTURAL STEEL, AS PER PLAN:

THIS WORK CONSISTS OF FIELD PAINTING THE EXISTING STRUCTURAL STEEL. THE COATING SHALL BE A THREE-COAT PAINT SYSTEM CONSISTING OF AN ORGANIC ZINC PRIME COAT, AN EPOXY INTERMEDIATE COAT AND A URETHANE FINISH COAT ACCORDING TO C&MS 514.

ITEM 514. PAINTING EXISTING STRUCTURAL STEEL, AS PER PLAN. (CONTINUED):

THE FOLLOWING BRIDGES REQUIRE FIELD PAINTING:

SUM-8-0023S (EXTERIOR & BOTTOM FLANGE OF FASCIA BEAMS ONLY)
SUM-8-0038
SUM-76-1151L
SUM-76-1154R
SUM-77-1201 (EXTERIOR & BOTTOM FLANGE OF FASCIA BEAMS ONLY)

PAINT COLOR WILL BE FEDERAL COLOR NO. 27769.

ITEM 202 - PORTIONS OF STRUCTURES REMOVED, AS PER PLAN:

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

ITEM SPECIAL - SEALING OF CONCRETE:

THE CONTRACTOR SHALL REMOVE EXISTING COATINGS AND PREPARE SURFACES TO BE SEALED ACCORDING TO C&MS 512. ALL SUPERSTRUCTURE AND ALL EXPOSED SUBSTRUCTURE (AS SHOWN IN THE DETAILS ON THIS SHEET) EXCEPT TOPS OF PIER CAPS, SHALL BE SEALED WITH AN EPOXY-URETHANE SEALER. APPLY THE EPOXY-URETHANE SEALER TO THE PARAPETS (DETAIL 'A') AND ALL EXPOSED CONCRETE SURFACES AT THE ABUTMENTS (DETAIL 'B') AND PIERS (DETAIL 'C'). THIS WORK WILL BE DONE IN ACCORDANCE WITH ITEM 512 - TREATING CONCRETE OF THE ODOT C&MS.

EPOXY-URETHANE SEALER WILL BE FEDERAL COLOR NO. 13522 AND SHALL BE APPLIED TO THE FOLLOWING BRIDGES:

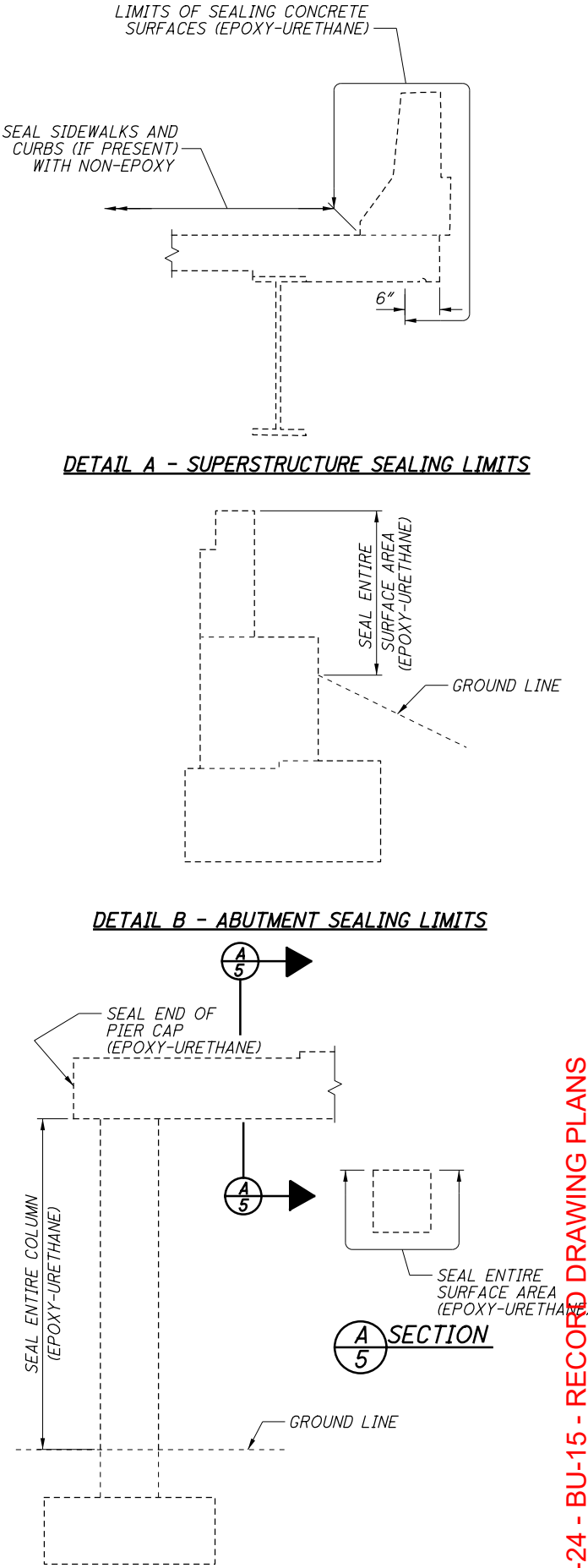
SUM-8-0117	SUM-77-0974R	SUM-77-1096
SUM-8-0125	SUM-77-0975L	SUM-77-1132
SUM-8-0160	SUM-77-1022	SUM-77-1152
SUM-59-0341	SUM-77-1082	

EPOXY-URETHANE SEALER WILL BE FEDERAL COLOR NO. 27769 AND SHALL BE APPLIED TO THE FOLLOWING BRIDGES:

SUM-8-0023S	SUM-76-1154R
SUM-8-0038	SUM-77-1201
SUM-76-1151L	

BRIDGE PAINTING EQUIPMENT ON SHOULDERS:

IF BRIDGE PAINTING EQUIPMENT IS TO REMAIN ON THE SHOULDERS WHEN THE CONTRACTOR IS NOT WORKING, IT SHALL BE PLACED BEHIND PORTABLE CONCRETE BARRIER (PCB) AND A WORK ZONE IMPACT ATTENUATOR (WZIA) SHALL PROTECT THE LEADING BLUNT END OF THE PCB (SEE OMTCD, FIGURE 6H-5 "SHOULDER CLOSURE ON FREEWAY" (TYPICAL APPLICATION 5)). IF THE CONTRACTOR CHOOSES TO PROTECT PAINTING EQUIPMENT WITH PCB AND A WZIA, THE COST SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID FOR MAINTAINING TRAFFIC.



2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY
PRIME
DATE: 03/24/2026
Columbus, Ohio 43221

DATE: 6/18/21
REVIEWED: SAN
DRAWN: KDC
CHECKED: JAT
STRUCTURE FILE NUMBER

GENERAL NOTES (3 OF 5)

SUM-76/77/8-
8.24/9.74/0.00
PID No. 102329

5
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ISSUE RECORD:		DESCRIPTION
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BRIDGE CLEANING NOTES:

WATER QUALITY PROTECTION:

THIS PROJECT IS SUBJECT TO THE CONDITIONS OF NPDES PERMIT OHZ000001. THE CONTRACTOR MUST SUBMIT A NOTICE OF INTENT AS A CO- PERMITTEE UNDER THIS PROJECT AND RECEIVE OEPA APPROVAL TO OPERATE UNDER THE PERMIT PRIOR TO UNDERTAKING ITEM 530 SPECIAL STRUCTURES MISC.: CLEANING BRIDGES . CONTRACTOR MUST COMPLETE THE " WORK PLAN FOR BRIDGE CLEANING " FOR EACH BRIDGE IN ACCORDANCE WITH THE NPDES PERMIT.

DEBRIS REMOVAL AND DISPOSAL:

CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF DEBRIS IN ACCORDANCE WITH ALL ENVIRONMENTAL RESTRICTIONS AND PERMITS. DISPOSE ALL THE DEBRIS AS A RESULT OF THE BRIDGE CLEANING OPERATIONS IN ACCORDANCE WITH CMS 105.16. AND OAC 3745-27-05. UNDER NO CIRCUMSTANCES MAY SWEEPINGS BE SWEEP INTO OPEN DECK DRAINS, OVER THE EDGE OF THE BRIDGE. OR THROWN ALONG THE BANKS, OR INTO THE WATER.

ITEM 530 SPECIAL STRUCTURES MISC.: CLEANING BRIDGES

THE WORK SHALL CONSIST OF THE REMOVAL OF DIRT, SAND, SOIL, PAPER, GLASS, CANS, AND OTHER DEBRIS FROM DRAINAGE SYSTEMS, EXPANSION JOINTS, AND ABUTMENT SEATS. EQUIPMENT MAY CONSIST OF HAND TOOLS, MANUAL BROOMS, POWER BROOMS, AIR COMPRESSORS, WATER TANKS, WATER PUMPS WITH ASSOCIATED DELIVERY HARDWARE TO CLEAN, FLUSH, AND REMOVE DIRT AND DEBRIS.

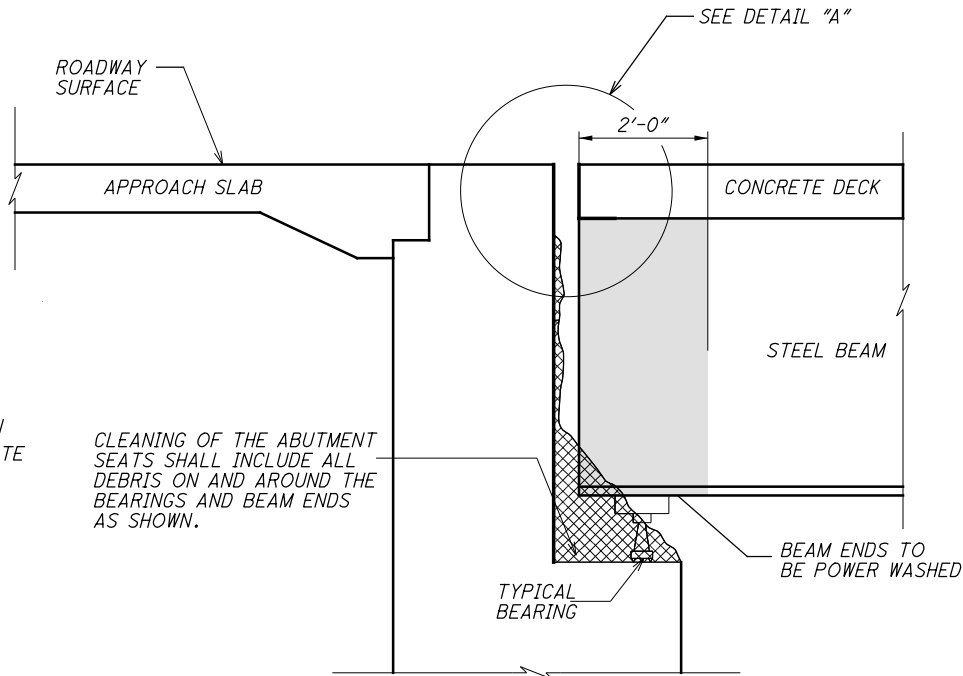
THE CLEANING OF SCUPPERS AND JOINTS SHALL NOT BE PERFORMED PRIOR TO PERFORMING ITEM 530 SPECIAL STRUCTURES MISC.: SWEEPING BRIDGES.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A BRIDGE CLEANING WORK PLAN INDICATING LOCATIONS OF ALL TEMPORARY BMP INSTALLED TO CAPTURE ANY WASH WATER USED IN THE CLEANING PROCESS. THE PLAN SHALL INCLUDE INSPECTION AND DOCUMENTATION OF BMP PERFORMANCE PRIOR TO WORK AND IMMEDIATELY FOLLOWING THE WORK. INTERMEDIATE INSPECTION SHALL BE CONDUCTED EVERY 4 HOUR UNTIL WORK IS COMPLETED.

CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, LABOR AND INCIDENTAL ITEMS NECESSARY TO PROPERLY REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER FOREIGN MATERIAL BY POWER SWEEPING, SHOVELING, SCRAPING, ETC. FOLLOWED BY INSTALLING BMPs AS IDENTIFIED IN THE WORK PLAN FOR BRIDGE CLEANING, AND PRESSURE WASHING THE CURB LINES, SHOULDERS, JOINTS, SCUPPERS, DOWNSPOUTS, AND THE BRIDGE SEAT ALONG WITH THE END OF THE BEAMS.

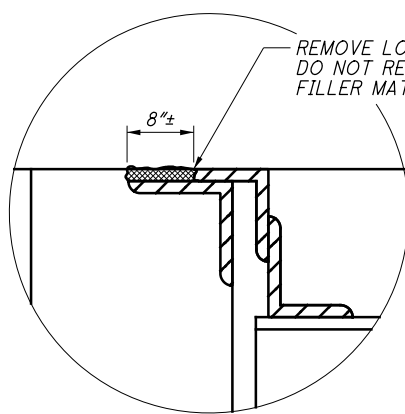
THE FOLLOWING AREAS OF THE BRIDGE ARE TO BE CLEANED:

- CLEANING JOINTS FOR THE FULL WIDTH OF THE BRIDGE:
 - PREVENT ALL DIRT, DEBRIS, AND WASHWATER FROM ENTERING ANY DRAINAGE SYSTEM DURING THE CLEANING OPERATIONS.
 - REMOVE AND COLLECT LOOSE DEBRIS FROM THE JOINTS PRIOR TO INTRODUCING WATER. CARE SHOULD BE TAKEN WHEN BREAKING UP DEBRIS IN THE JOINTS IN ORDER NOT TO DAMAGE THE ELASTOMERIC SEAL.
 - SWEEP AND COLLECT SAND, DEBRIS AND SEDIMENT BY USE PRESSURE WASHING THE JOINTS OR COMPRESSED AIR.
- CLEANING SCUPPERS AND DOWNSPOUTS:
 - USE SHOVEL, HAND SCRAPERS, AND OTHER HAND TOOLS TO BREAK UP DEBRIS IN SCUPPERS TO THE MAXIMUM EXTENT PRACTICABLE. COLLECT LOOSE AND LARGE DEBRIS FROM THE SCUPPERS PRIOR TO INTRODUCING WATER.
 - PRESSURE WASH THE SCUPPERS AND DOWNSPOUTS FOR FINAL CLEANING.
 - ALL DIRT OR DEBRIS FROM THE CLEANING OPERATION SHALL BE REMOVED.
- BRIDGE SEATS:
 - REMOVE WITH A SHOVEL, BROOM, HAND SCRAPER OR OTHER MECHANICAL MEANS, ALL GROSS SOLIDS FROM THE ENTIRE BEAM SEATS AND AROUND ALL AREAS SURROUNDING THE BEAM BEARINGS, TO THE MAXIMUM EXTENT PRACTICABLE PRIOR TO INTRODUCING WATERS.
 - AFTER REMOVING ALL GROSS SOLIDS PRESSURE WASH THE ABUTMENTS, BACKWALLS, BEAM SEATS AND THE END OF THE BEAMS AS SHOWN ON THE PLANS.



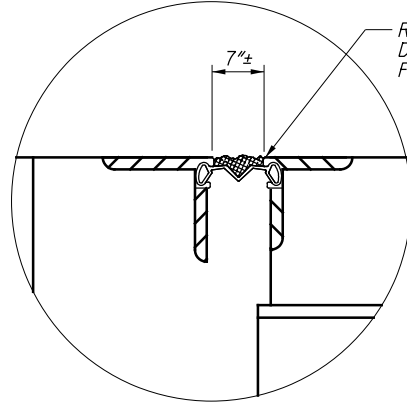
TYPICAL ABUTMENT DETAIL

BACKWALL, ABUTMENT SEAT, BEAM ENDS AND EXPANSION JOINT



DETAIL "A"

(SLIDING PLATE)



DETAIL "A"

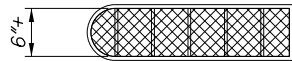
(STRIP SEAL)

AVOID PUNCTURE OR DAMAGE TO SEAL WHILE CLEANING

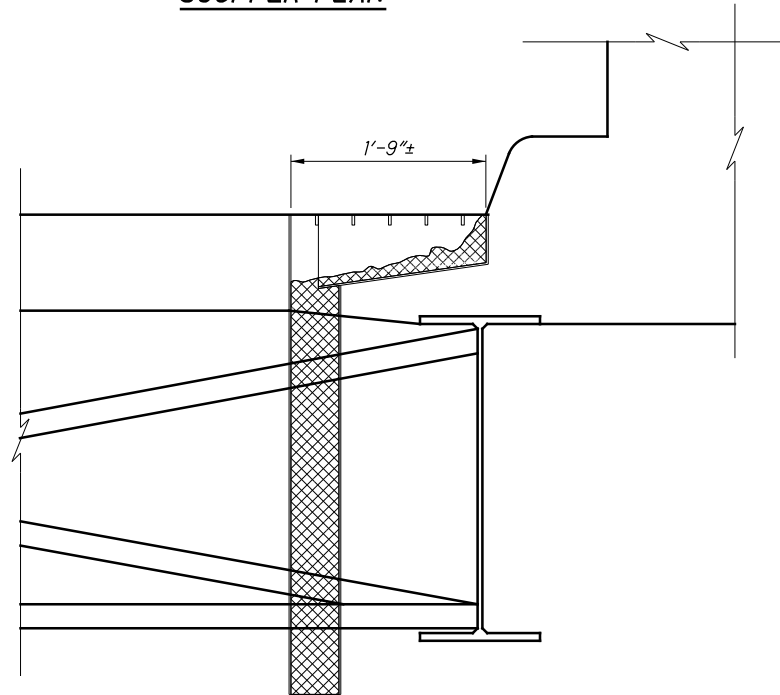
LEGEND:



REMOVE DEBRIS AND OTHER FOREIGN MATERIALS, THEN PRESSURE WASH WITH POTABLE WATER AS DESCRIBED IN THE GENERAL NOTES.



SCUPPER PLAN



SCUPPER AND DOWNSPOUTS SIDE VIEW

NOTES:

- BRIDGE CLEANING TO BE PERFORMED AT THE FOLLOWING BRIDGES:

SUM-8-0023S
SUM-8-0038
SUM-76-1151L
SUM-76-1154R
SUM-77-0974R
SUM-77-0975L
SUM-77-1132
SUM-77-1152
SUM-77-1201

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ITEM 848 - MICRO-SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION. AS PER PLAN
ITEM 848 - SURFACE PREPARATION USING HYDRODEMOLITION. AS PER PLAN
ITEM 848 - MICRO-SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS). MATERIAL ONLY. AS PER PLAN
ITEM 848 - FULL DEPTH REPAIR. AS PER PLAN

THESE ITEMS SHALL BE PERFORMED PER SUPPLEMENTAL SPECIFICATION "BRIDGE DECK REPAIR AND OVERLAY WITH CONCRETE USING HYDRO-DEMOLITION" WITH THE FOLLOWING REVISIONS:
THE THICKNESS OF THE CONCRETE OVERLAY REMOVED, ASPHALT WEARING COURSE REMOVED, PROPOSED OVERLAY, AND THE DEPTH OF HYDRODEMOLITION SHALL BE AS SPECIFIED IN THE PLANS. CONSTRUCTION JOINTS WILL NOT BE PERMITTED IN THE WHEEL LINE.
(SEE 848.12) THE COMPONENTS OF THE MICRO-SILICA MODIFIED CONCRETE SHALL BE PROPORTIONED AS FOLLOWS.

CONCRETE TABLE
QUANTITIES PER CUBIC YARD
AGGREGATES (SSD)

AGG TYPE	FINE AGG (LB)	#8 COARSE AGG (LB) *	AGG TOTAL (LB) *	CEMENT CONTENT (LB)	MICRO SILICA (LB)	WATER TO CEMENT-ITIOUS RATIO	AIR CONTENT +/- 2%	FIBER (1 1/4" POLYPROPYLENE) (LB) **
GRAVEL	1410	1430	2840	600	50	0.4	8	1
LIME-STONE	1410	1450	2860	600	50	0.4	8	1
SLAG	1300	1350	2650	600	50	0.4	8	1

* ALL COARSE AGGREGATE SHALL HAVE AN ABSORPTION OF 1.00% OR GREATER AS DEFINED PER ASTM C127
** FIBER MESH SHALL BE 100% VIRGIN POLYPROPYLENE IN A FIBRILLATED-NETWORK FORM AND SHALL BE 1 1/4" IN LENGTH.

THE WEIGHTS SPECIFIED IN THE CONCRETE TABLE WERE CALCULATED FOR MATERIALS OF THE FOLLOWING BULK SPECIFIC GRAVITIES (SSD): NATURAL SAND AND GRAVEL 2.62, LIMESTONE SAND 2.68, LIMESTONE 2.65, SLAG 2.30, MICRO-SILICA SOLIDS 2.20, AND PORTLAND CEMENT 3.15. FOR AGGREGATES OF SPECIFIC GRAVITIES DIFFERING MORE THAN PLUS OR MINUS 0.02 FROM THESE, THE WEIGHTS IN THE TABLE WILL BE CORRECTED. FIBER MESH WEIGHTS NOT INCLUDED IN MIX DESIGN. ALL COARSE AGGREGATE SHALL HAVE AN ABSORPTION OF 1.00% OR GREATER AS DEFINED BY ASTM C127
ALL OTHER REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATION SHALL REMAIN IN EFFECT.
(SEE 848.21) THE FINAL DECK SOUNDING MAY TAKE PLACE WITHIN 24 HOURS OF A RAIN, AND THE DECK DOES NOT HAVE TO BE COMPLETELY DRY.
(SEE 848.23) FULL DEPTH REPAIR IS NOT REQUIRED IF LESS THAN ONE HALF OF THE DECK ORIGINAL CONCRETE THICKNESS IS SOUND.
(SEE 848.29) THE WET CURE TIME IS REDUCED FROM 72 HOURS TO 24 HOURS OR UNTIL A BEAM BREAK OF 600 PSI IS ACHIEVED, WHICHEVER IS GREATER. AFTER THE 24 HOUR WET CURE, THE FINISHED OVERLAY SURFACE SHALL BE CURED BY SPRAYING A UNIFORM APPLICATION OF CURING MATERIAL OF 705.07, TYPE 1 OR 1D, AS PER CMS 511.14 METHOD (B) MEMBRANE CURING. IF THE CURING COMPOUND CAN NOT BE PLACED WITHIN THE SAME SHORT TERM CLOSURE PERIOD AS THE OVERLAY, THE CONTRACTOR MAY ALLOW TRAFFIC ONTO THE OVERLAY, AND SHALL, AT THE NEXT AVAILABLE SHORT TERM CLOSURE PERIOD, APPLY THE MEMBRANE CURING COMPOUND.

ITEM 848 - MICRO-SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION. AS PER PLAN
ITEM 848 - SURFACE PREPARATION USING HYDRODEMOLITION. AS PER PLAN
ITEM 848 - MICRO-SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS). MATERIAL ONLY. AS PER PLAN
ITEM 848 - FULL DEPTH REPAIR. AS PER PLAN (CONT'D)

(SEE 848.29) TRAFFIC WILL NOT BE PERMITTED ON THE FINISHED OVERLAY SURFACE UNTIL AFTER THE COMPLETION OF THE 24 HOUR WET CURE, AND AFTER TWO TEST BEAMS HAVE ATTAINED AN AVERAGE MODULUS OF RUPTURE OF 600 PSI
(4.2 Mpa). (SEE 848.30) THE OVERLAY SURFACE EVAPORATION RATE REQUIREMENTS ARE IN EFFECT FROM 9:30 AM TO 11:00 PM. THEY ARE NOT IN EFFECT FROM 11:00 PM TO 11:00 AM.
(SEE 848.31) FOR EACH PHASE, THE CONTRACTOR SHALL PROVIDE ENOUGH MATERIAL FOR TWO BEAM BREAKS EACH AT 12 HOURS, 24 HOURS, 36 HOURS, AND 48 HOURS. THE DEPARTMENT WILL PERFORM THE BEAM BREAK TESTS AND DOCUMENT THE TIME OF THE POUR, THE TIME OF THE BEAM BREAK TESTS, AND THE MODULUS OF RUPTURE FOR EACH BEAM UNTIL THE MODULUS OF RUPTURE OF THE TWO TESTS IS NOT LESS THAN 650 PSI (4.5 MPa). TRAFFIC IS ALLOWED ON THE OVERLAY AT 600 PSI (4.5 Mpa). ALL OTHER REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATION SHALL REMAIN IN EFFECT.

THE FOLLOWING ESTIMATED QUANTITIES WERE PROVIDED BY ODOT AT BID TIME:

ITEM 848, HAND CHIPPING

390 SY - SUM-76-1151L
465 SY - SUM-76-1154R
210 SY - SUM-77-0974R
210 SY - SUM-77-0975L
300 SY - SUM-77-1082
300 SY - SUM-77-1096

ITEM 848, FULL DEPTH REPAIR

2 CY - SUM-76-1151L
2 CY - SUM-76-1154R
2 CY - SUM-77-0974R
2 CY - SUM-77-0975L
2 CY - SUM-77-1082
2 CY - SUM-77-1096

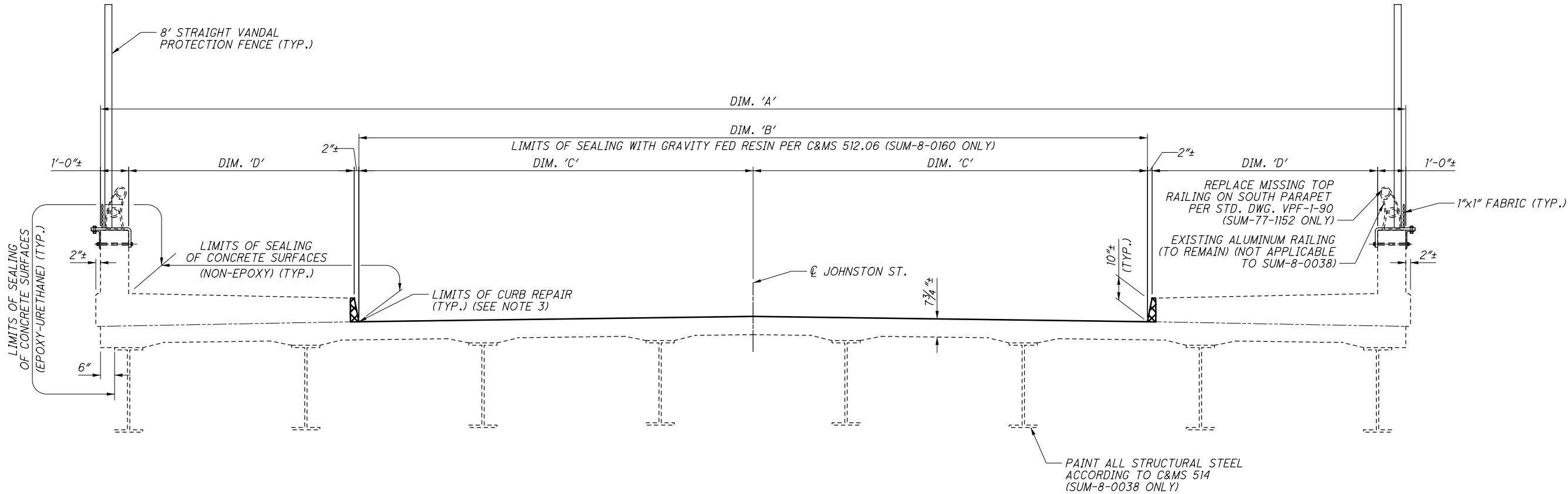
ITEM SPECIAL - CONCRETE OVERLAY, VARIABLE THICKNESS, MATERIAL ONLY

20 CY - SUM-76-1151L
20 CY - SUM-76-1154R
10 CY - SUM-77-0974R
10 CY - SUM-77-0975L
20 CY - SUM-77-1085
20 CY - SUM-77-1096

STRUCTURE GENERAL NOTES

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

pw:\\V\\AN\\A01PWINT01.parsons.com:Ohio State\\Documents\\DB-Akron Beltway Rehab\\10 - Design\\102329\\Structures\\BU-15\\Sheets\\008_0038_15001.dgn Sheet 10/4/2021 2:46:15 PM KChrisman



TRANSVERSE SECTION
(SUM-8-0038 SHOWN, OTHERS SIMILAR)

BRIDGE	DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'	BRIDGE LIMITS ALONG CL CONST.	APPROACH SLAB LENGTH (PER SIDE)
SUM-8-0038	46'-4"±	28'-0"±	14'-0"±	8'-0"±	308'-7 5/8"±	23'-7 3/8"± (REAR) 26'-0"± (FORWARD)
SUM-8-0117	62'-6 1/2"±	44'-0"±	22'-0"±	7'-11 1/4"±	119'-7 7/8"±	15'-0"±
SUM-8-0125	62'-6 1/2"±	44'-0"±	22'-0"±	7'-11 1/4"±	119'-8 1/8"±	15'-0"±
SUM-8-0160	68'-0"±	52'-0"±	26'-0"±	7'-0"±	216'-11 5/8"±	20'-0"±
SUM-59-0341	66'-6"±	59'-0"±	31'-0"± (L.T.) 28'-0"± (RT.)	5'-0"± (RT. ONLY)	120'-6 1/4"±	25'-0"±
SUM-77-1022	42'-8"±	30'-0"±	15'-0"±	5'-2"±	162'-10 3/8"±	25'-0"±
SUM-77-1132	60'-8"±	48'-0"±	24'-0"±	5'-0"±	158'-0"±	25'-0"±
SUM-77-1152	60'-8"±	48'-0"±	24'-0"±	5'-0"±	152'-0"±	25'-0"±

LEGEND:

- LIMITS OF CURB REPAIR

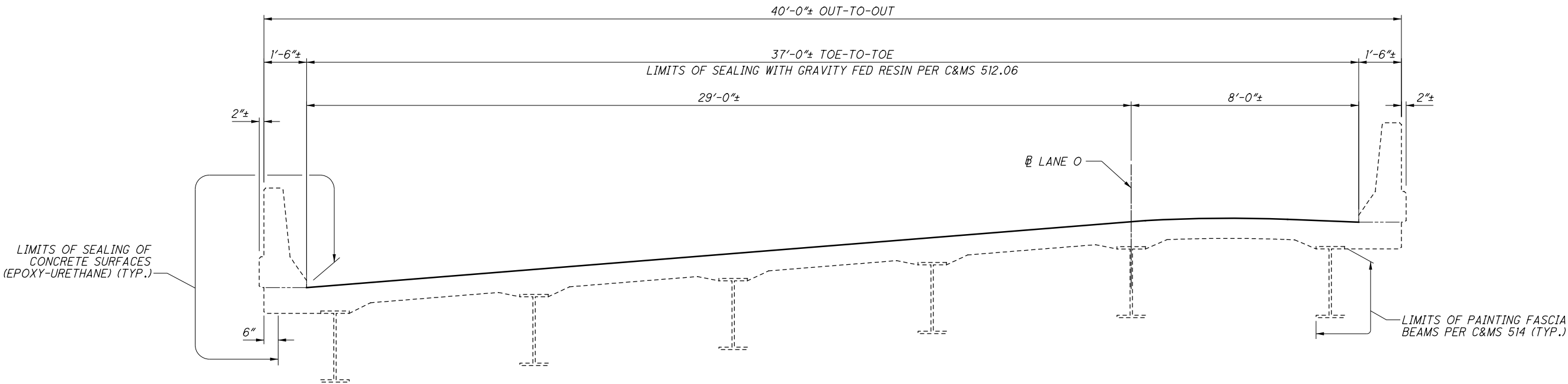
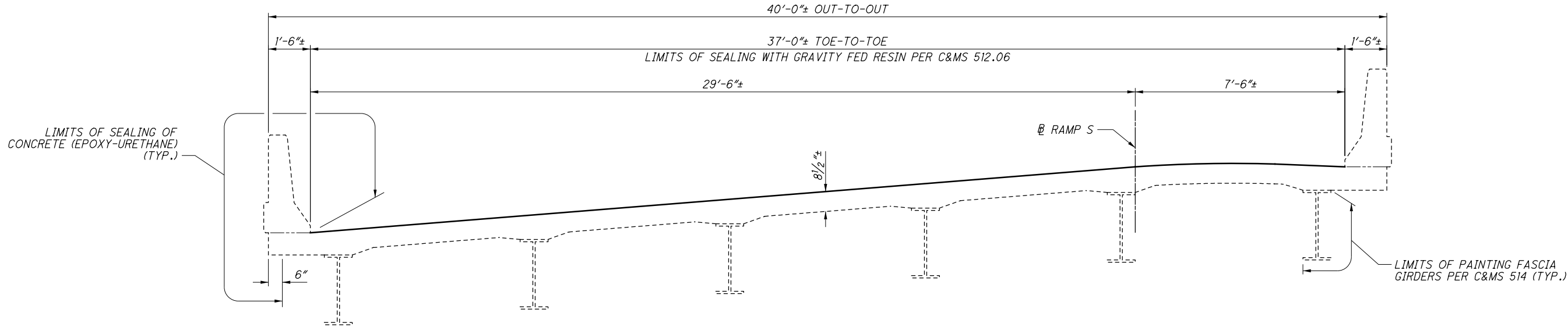
NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- FOR VANDAL PROTECTION FENCE DETAILS, SEE SHEETS 8/65.
- PERFORM CURB REPAIR AT BRIDGE NO. SUM-77-1132 & SUM-77-1152 AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL DETAILS, SEE SHEET 4/65.
- THE FOLLOWING BRIDGES REQUIRE SEALING OF CONCRETE SURFACES:

SUM-8-0038
SUM-8-0117
SUM-8-0125
SUM-8-0160
SUM-59-0341
SUM-77-1022
SUM-77-1132
SUM-77-1152

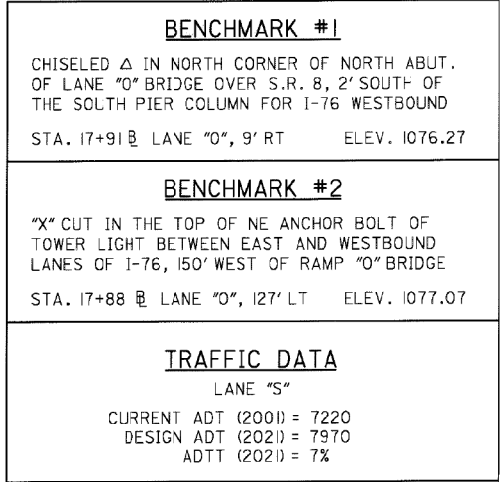
ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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NOTES:

1. FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.

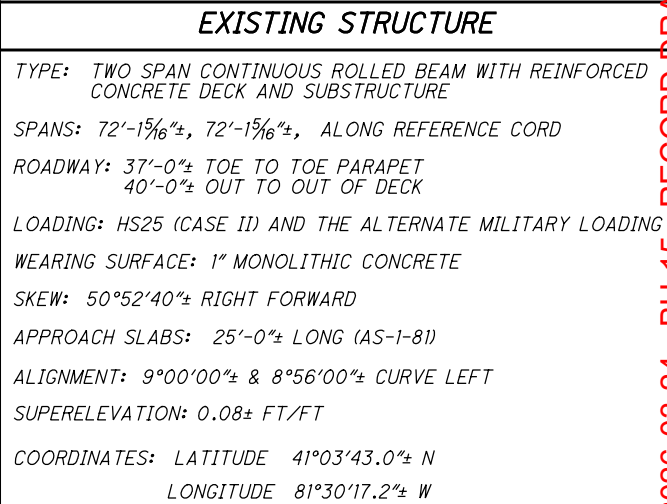


NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3/65
THRU 7/65.
2. FOR TRANSVERSE SECTION, SEE SHEET 10/65.

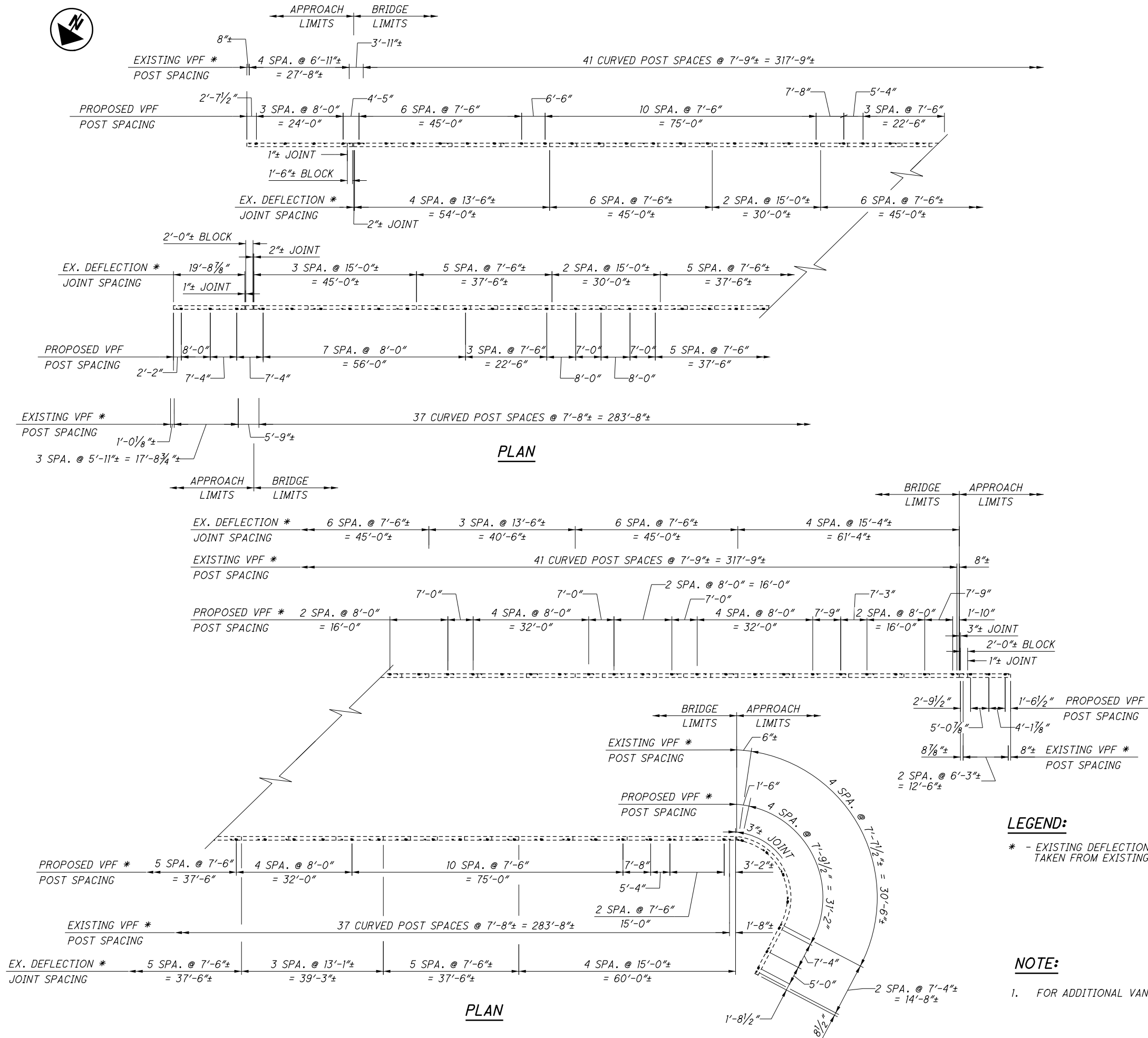
LEGEND:

 - LIMITS OF GRAVITY FED RESIN



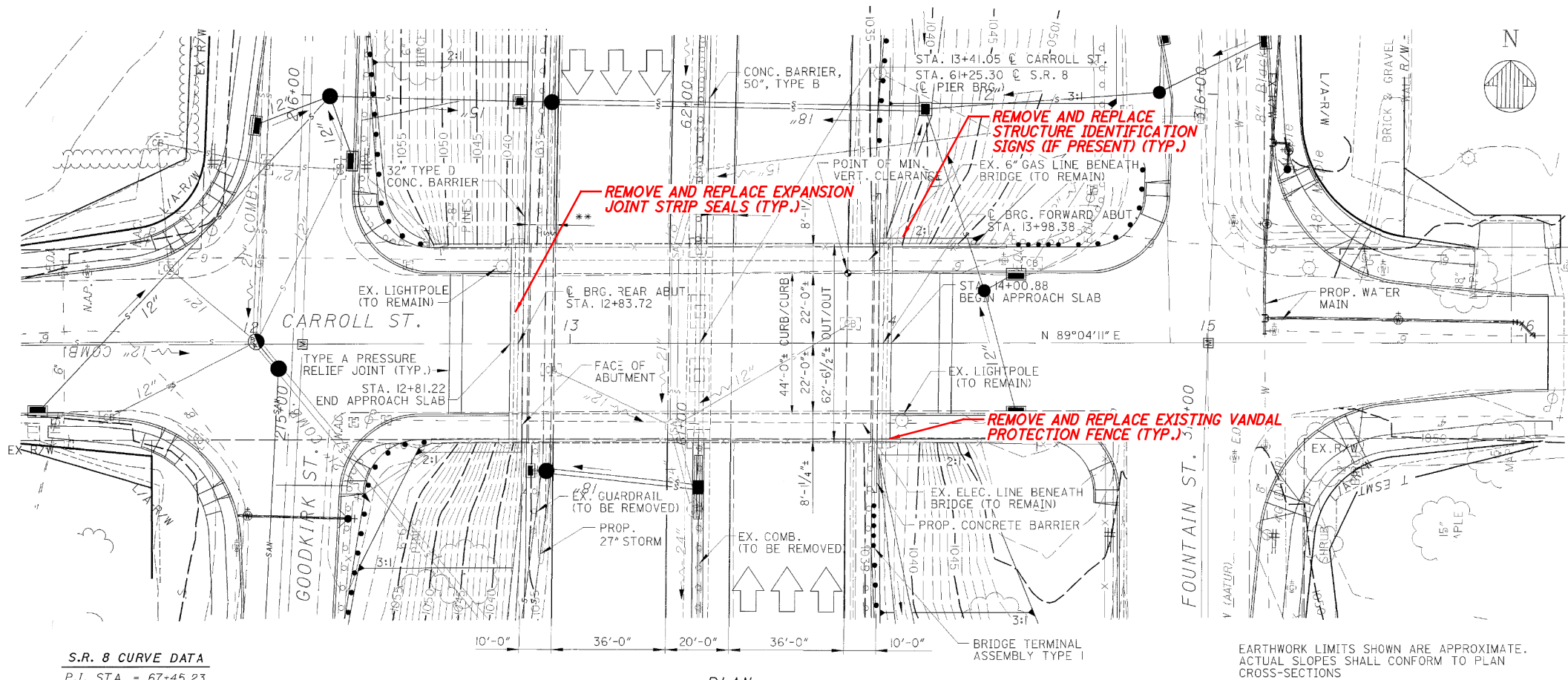
ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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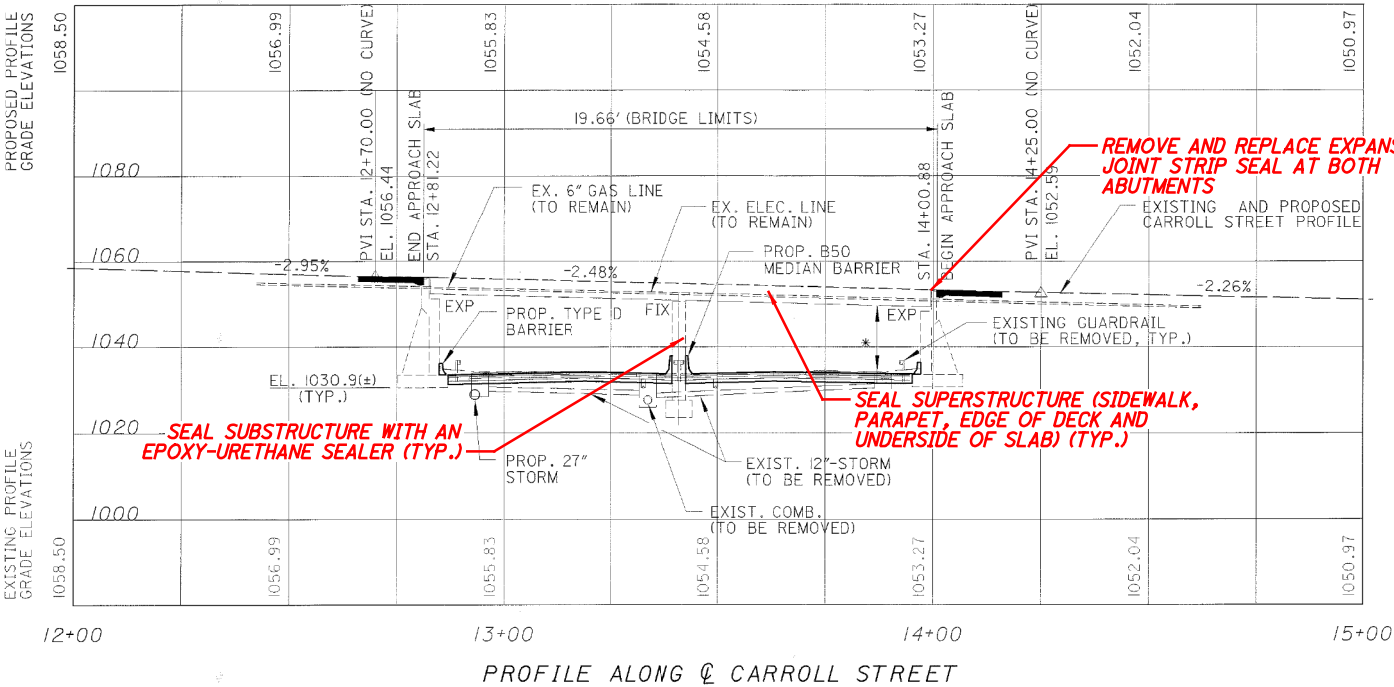


ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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S.R. 8 CURVE DATA
P.I. STA. = 67+45.23
Δ = 7° 46' 07" (RT)
Dc = 0° 30' 13"
R = 11,375.75'
T = 772.39'
L = 1,542.41'
E = 26.19'



ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
 - FOR TRANSVERSE SECTION, SEE SHEET **9/65**.

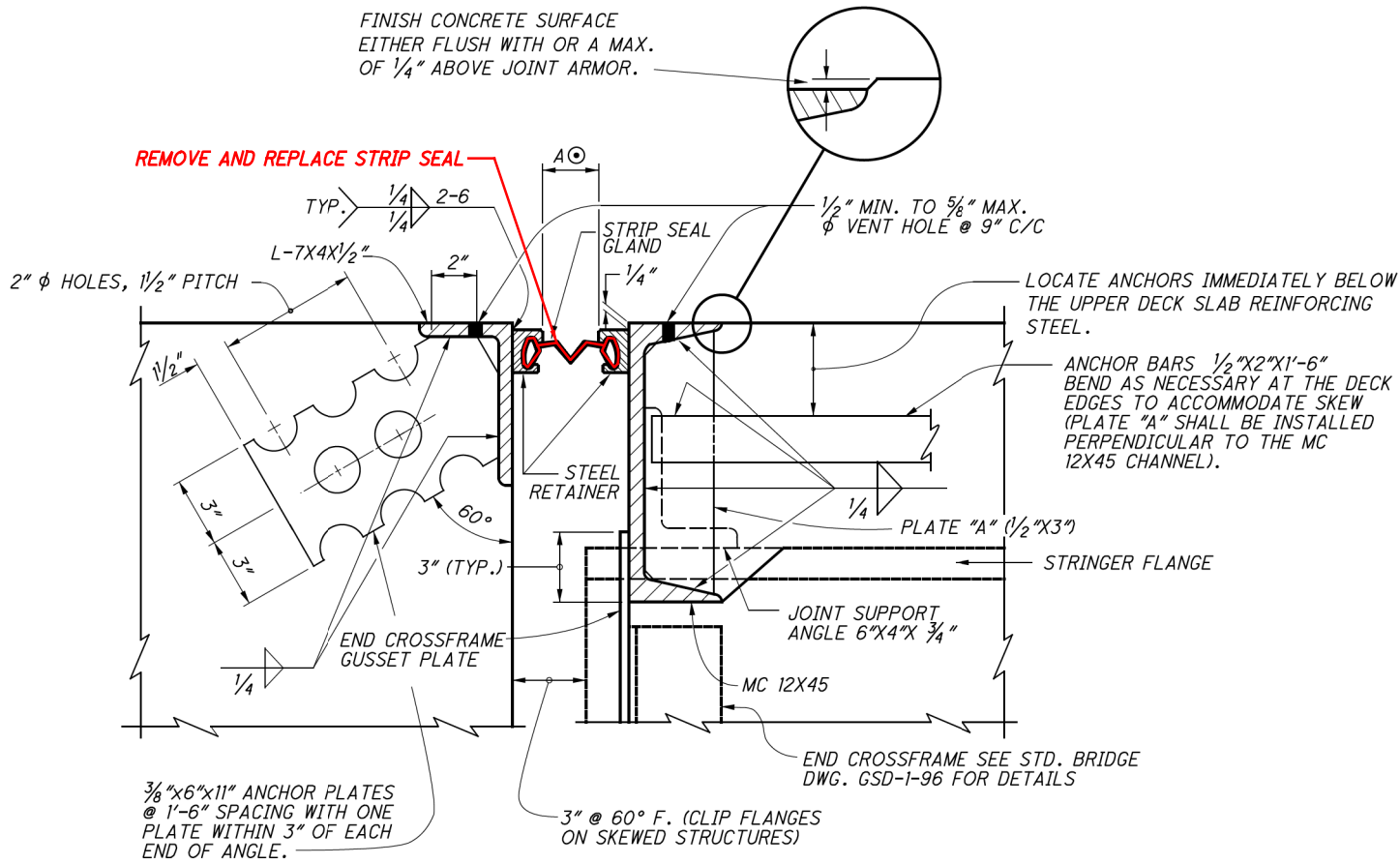
EXISTING STRUCTURE	
TYPE: TWO SPAN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 57'-4"±, 57'-4"±, C-C BEARINGS	
ROADWAY: 44'-0" (±) FACE TO FACE CURBS 62'-6 1/2" (±) OUT TO OUT OF DECK	
LOADING: HS 20-44 (CASE II) AND THE ALT. MILITARY LOADING	
WEARING SURFACE: 1 1/4" LATEX MODIFIED CONCRETE	
SKEW: 0°42'32"± LEFT FORWARD	
APPROACH SLABS: 15'-0"± LONG (AS-I-81)	
ALIGNMENT: TANGENT	
COORDINATES: LATITUDE 41°04'31.3"± N LONGITUDE 81°30'16.2"± W	

2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
BRIDGE NO. SUM-8-0117		STA. 12+81.22±		KDC		KDC		SAN		6/18/21		PRIME	
CARROLL ST. OVER SR-8		STA. 14+00.88±		JAT		JAT		STRUCTURE FILE NUMBER		7700180		4415 State Rd. Suite 300 Columbus Ohio 43231	
SUM-76/77/8-8.24/9.74/0.00		PID No. 102329		1/3		15/65							

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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SECTION THRU DECK

ITEM 516, ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS, AS PER PLAN:

THIS ITEM SHALL INCLUDE REMOVAL AND REPLACEMENT OF THE EXISTING 3" STRIP SEAL GLANDS FROM FACE-TO-FACE OF CURB. THE CONSTRUCTION PLANS INDICATE THAT THE ELASTOMERIC SEAL WAS INSTALLED WITH AN ADHESIVE. UPON REMOVAL OF THE SEAL, THE CONTRACTOR SHALL ATTEMPT TO MATCH THE REPLACEMENT SEAL AS CLOSELY AS POSSIBLE WITH THE EXISTING SO AS TO PROVIDE A SNUG, WATERTIGHT SEAL. THE STRIP SEAL AND INSTALLATION SHALL MEET THE REQUIREMENTS OF STANDARD DRAWING EXJ-4-87.

THIS WORK WILL BE PAID FOR AT THE CONTRACT PRICE BID, PER LINEAL FOOT, WHICH PRICE AND PAYMENT SHALL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN CONFORMANCE WITH THESE REQUIREMENTS, WITH THE PERTINENT PROVISIONS OF 516, AND TO THE SATISFACTION OF THE ENGINEER.

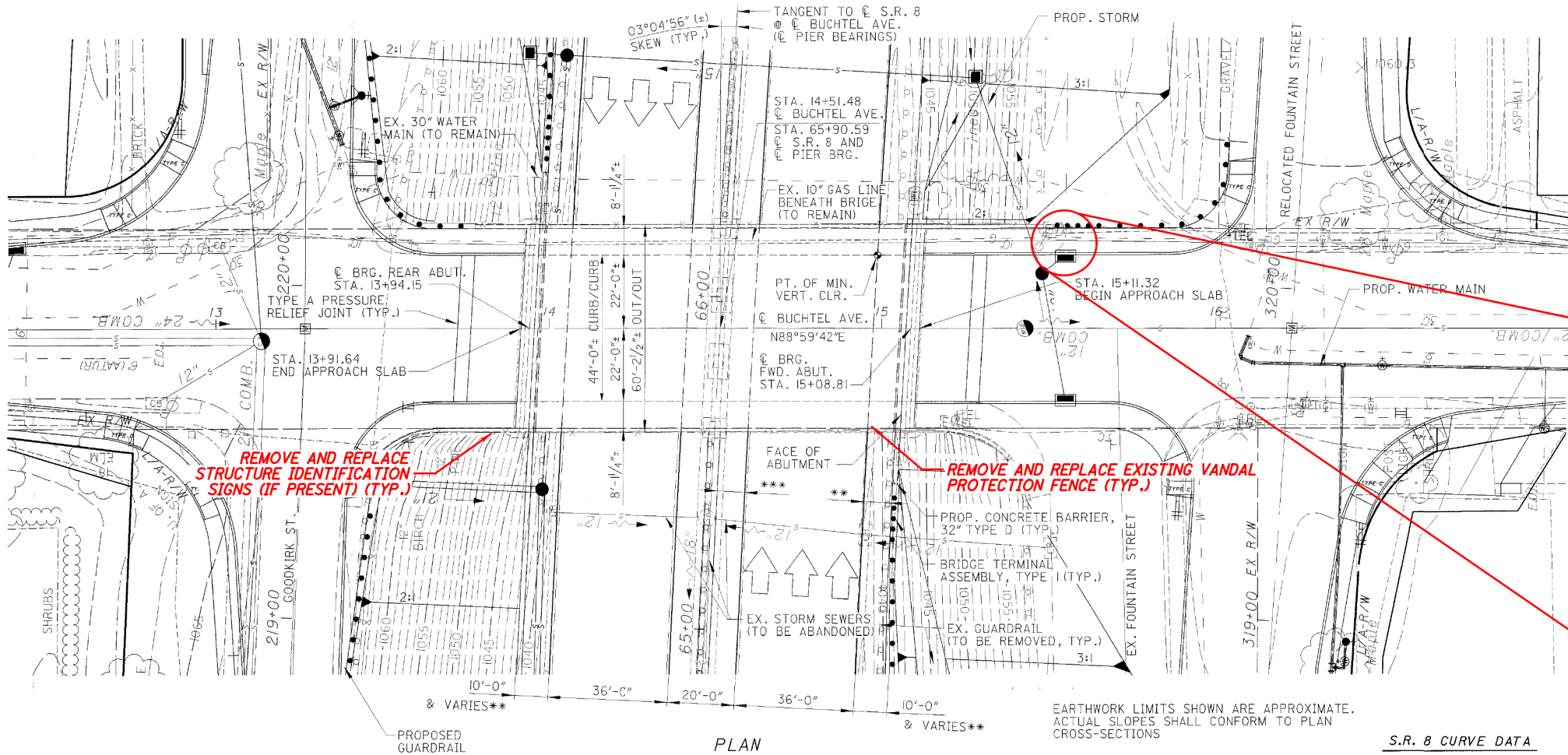
ORIGINAL CONSTRUCTION PLANS SHOWN
FOR INFORMATION ONLY. ONLY WORK
TO BE PERFORMED AT ABUTMENTS
IS THE STRIP SEAL REPLACEMENT

NOTES:

1. REMOVE AND REPLACE THE 3" EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD ABUTMENTS.
2. NO EXISTING PLANS ON STRIP SEAL WERE AVAILABLE. DETAILS SHOWN ARE FROM ODOT STD. DWG. EXJ-4-87.

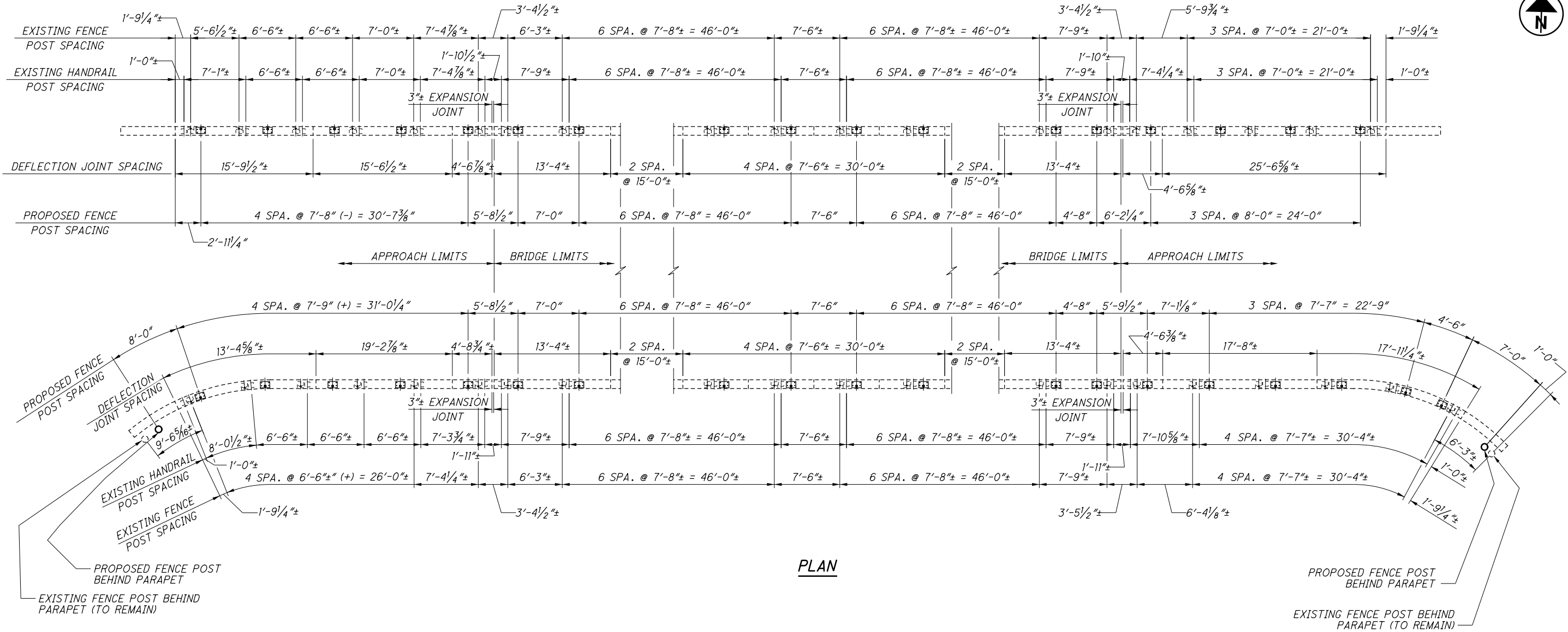
ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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LEGEND:

* - EXISTING DEFLECTION JOINT AND POST LOCATIONS
TAKEN FROM EXISTING PLANS.

NOTES:

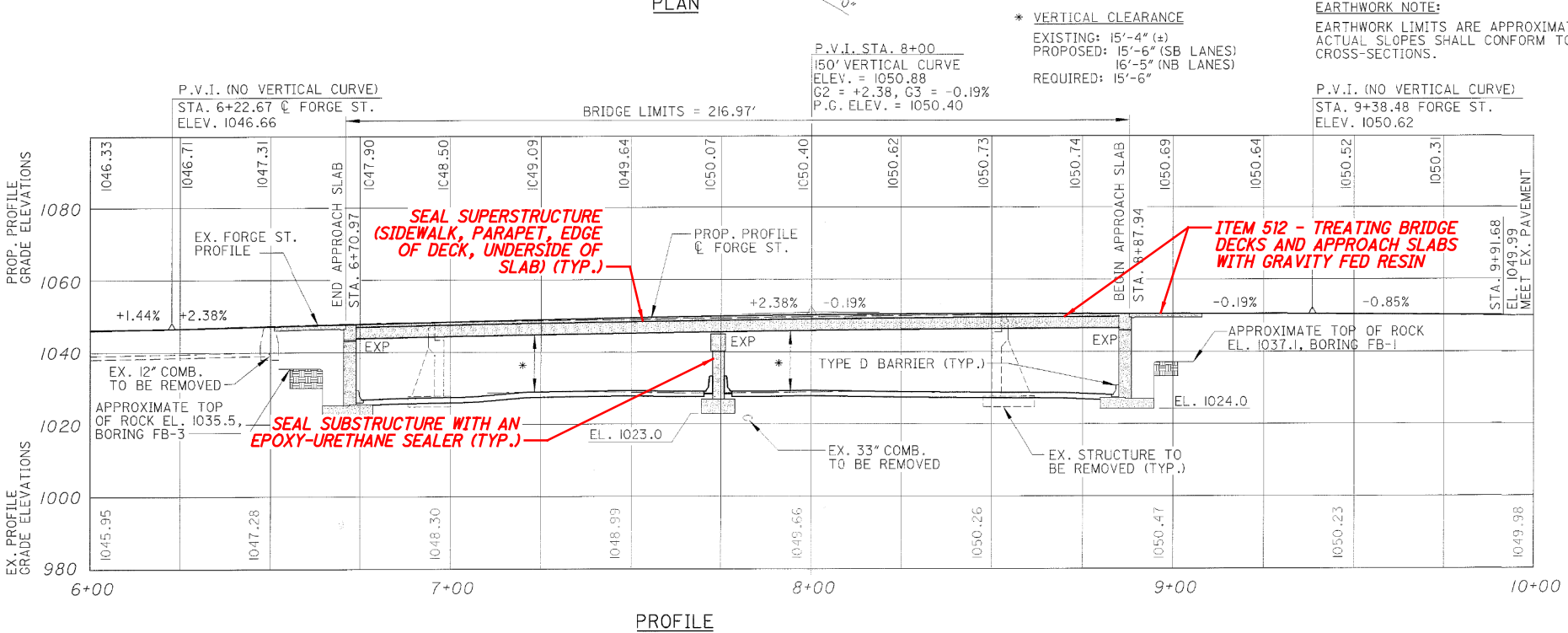
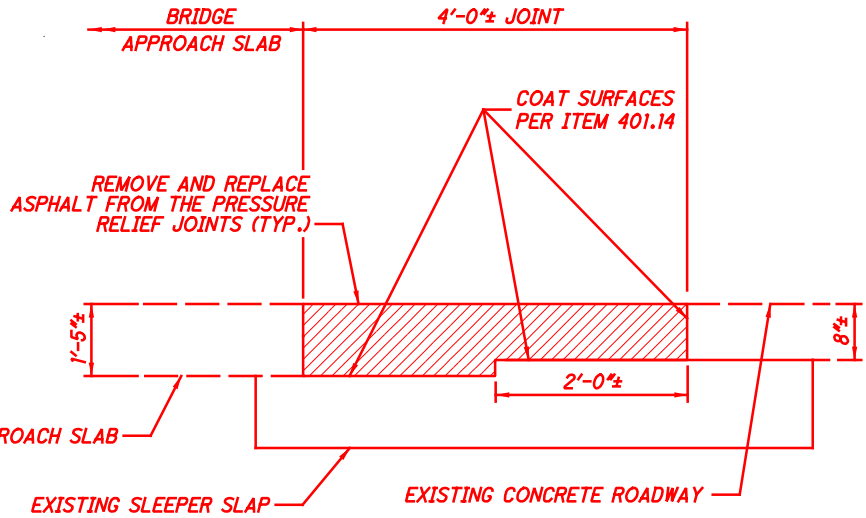
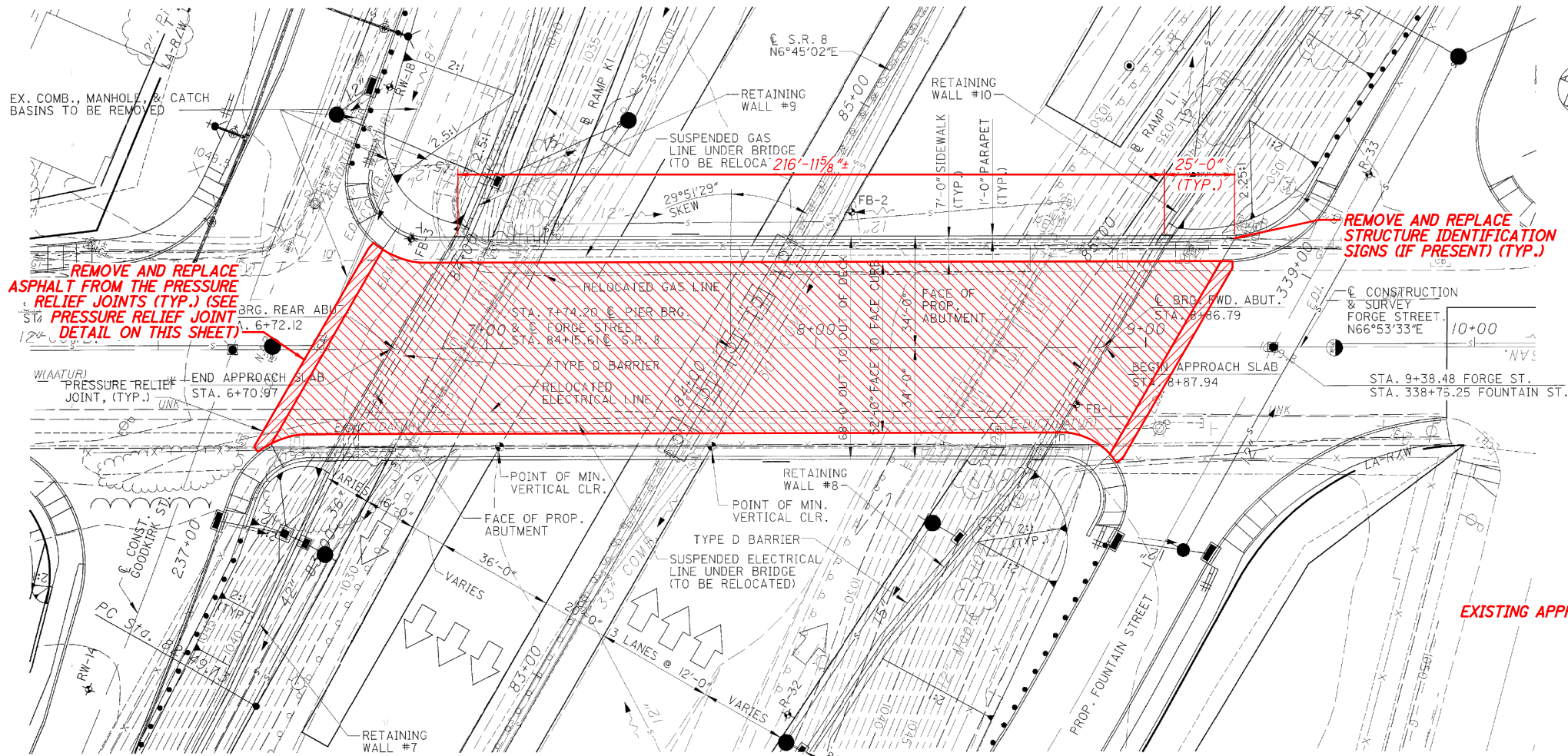
- FOR INFORMATION NOT SHOWN REFER TO SCD VPFI-1-90.
- FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 8415 Pulaski Place Suite 300 Columbus Ohio 43231		REVIEWED	DATE
		SAN	6/18/21
VANDAL PROTECTION FENCE DETAILS		DRAWN	JAT
		REVISD	
BRIDGE NO. SUM-8-0125 BUCHTEL ST. OVER SR-8		CHECKED	KDC
		STRUCTURE FILE NUMBER	7700210
SUM-76/77/8- 8.24/9.74/0.00	PID No. 102329		
2	2		
19	65		

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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- NOTES:**
- 1. FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
 - 2. FOR TRANSVERSE SECTION, SEE SHEET 9/65.
- LEGEND:**
- [Hatched Box] - LIMITS OF GRAVITY FED RESIN
 - [Hatched Box] - REMOVE AND REPLACE ASPHALT FROM PRESSURE RELIEF JOINT

EXISTING STRUCTURE

TYPE: TWO SPAN CONTINUOUS STEEL BEAM BRIDGE WITH COMPOSITE CONCRETE DECK AND SEMI-INTEGRAL ABUTMENTS

SPANS: 102'-1"±, 112'-7"± C/C BEARINGS

ROADWAY: 52'-0" FACE TO FACE CURBS WITH 7'-0" SIDEWALKS 68'-0" OUT TO OUT OF DECK

LOADING: HS25 (CASE II) AND THE ALTERNATE MILITARY LOADING

WEARING SURFACE: MONOLITHIC CONCRETE

SKEW: 29°51'29"± LEFT FORWARD

APPROACH SLABS: 20'-0"± LONG

ALIGNMENT: TANGENT

COORDINATES: LATITUDE 41°04'53.7"± N LONGITUDE 81°30'12.6"± W

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY
PRIME
4445 State Rd. Suite 300
Columbus, Ohio 43231

DATE
6/18/21

REVIEWED
SAN

DRAWN
KDC

DESIGNED
KDC

CHECKED
JAT

SUMMIT COUNTY
STA. 6+70.97±
STA. 8+87.94±

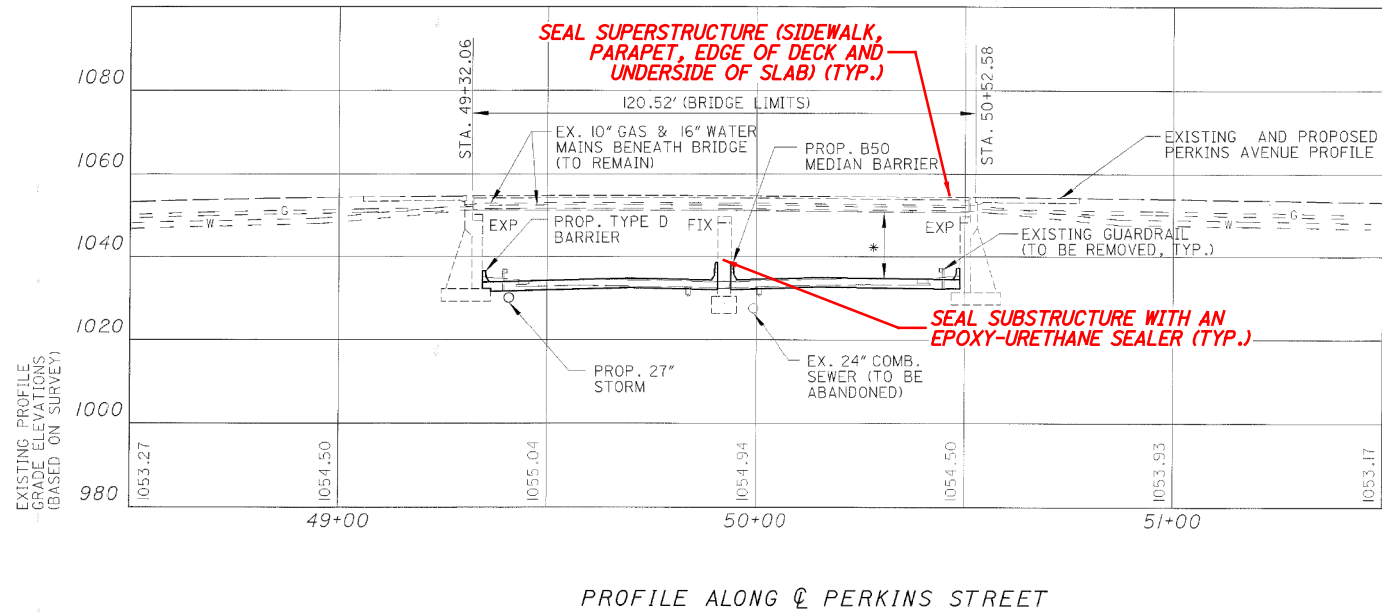
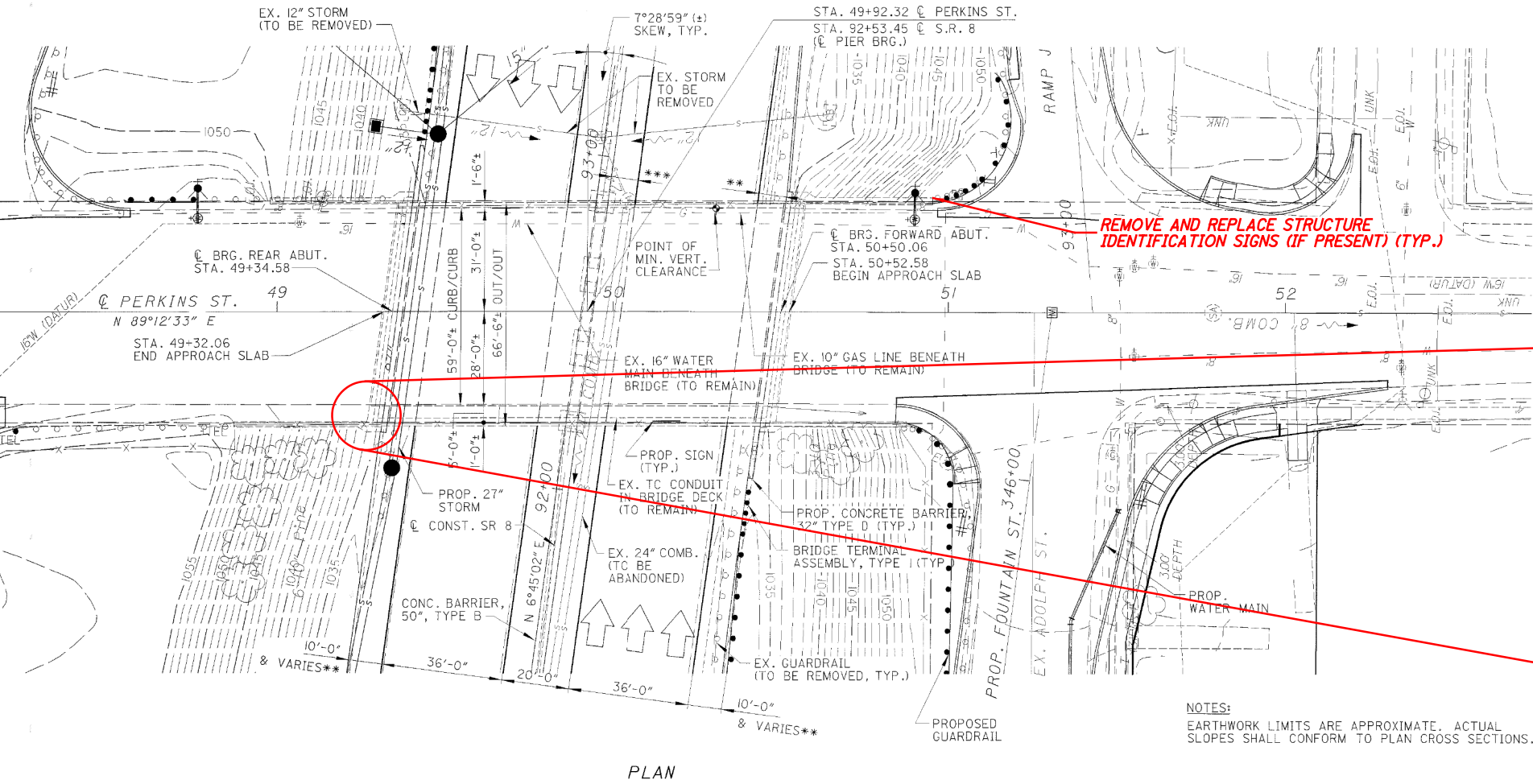
GENERAL PLAN
BRIDGE NO. SUM-8-0160
FORCE ST. OVER SR-8

SUM-76/77/8-
8.24/9.74/0.00
PID No. 102329

1/1
20/65

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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REMOVE AND REPLACE PORTIONS OF SIDEWALK ON APPROACHES AS DESIGNATED BY THE ENGINEER

- NOTES:
1. FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
 2. FOR TRANSVERSE SECTION, SEE SHEET **9/65**.

EXISTING STRUCTURE

TYPE: TWO SPAN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 57'-8 7/8", 57'-8 7/8", C/C BEARINGS

ROADWAY: 59'-0" $\pm$ F/F OF CURB TO TOE OF PARAPET WITH A 5'-0" $\pm$ SIDEWALK 66'-6" $\pm$ O/O OF DECK.

LOADING: HS20-44 (CASE II) AND ALTERNATE MILITARY LOADING

WEARING SURFACE: 1 1/4" $\pm$ LATEX MODIFIED CONCRETE

SKEW: 7°28'59" $\pm$ LEFT FORWARD

APPROACH SLABS: 25'-0" $\pm$ LONG (AS-I-54)

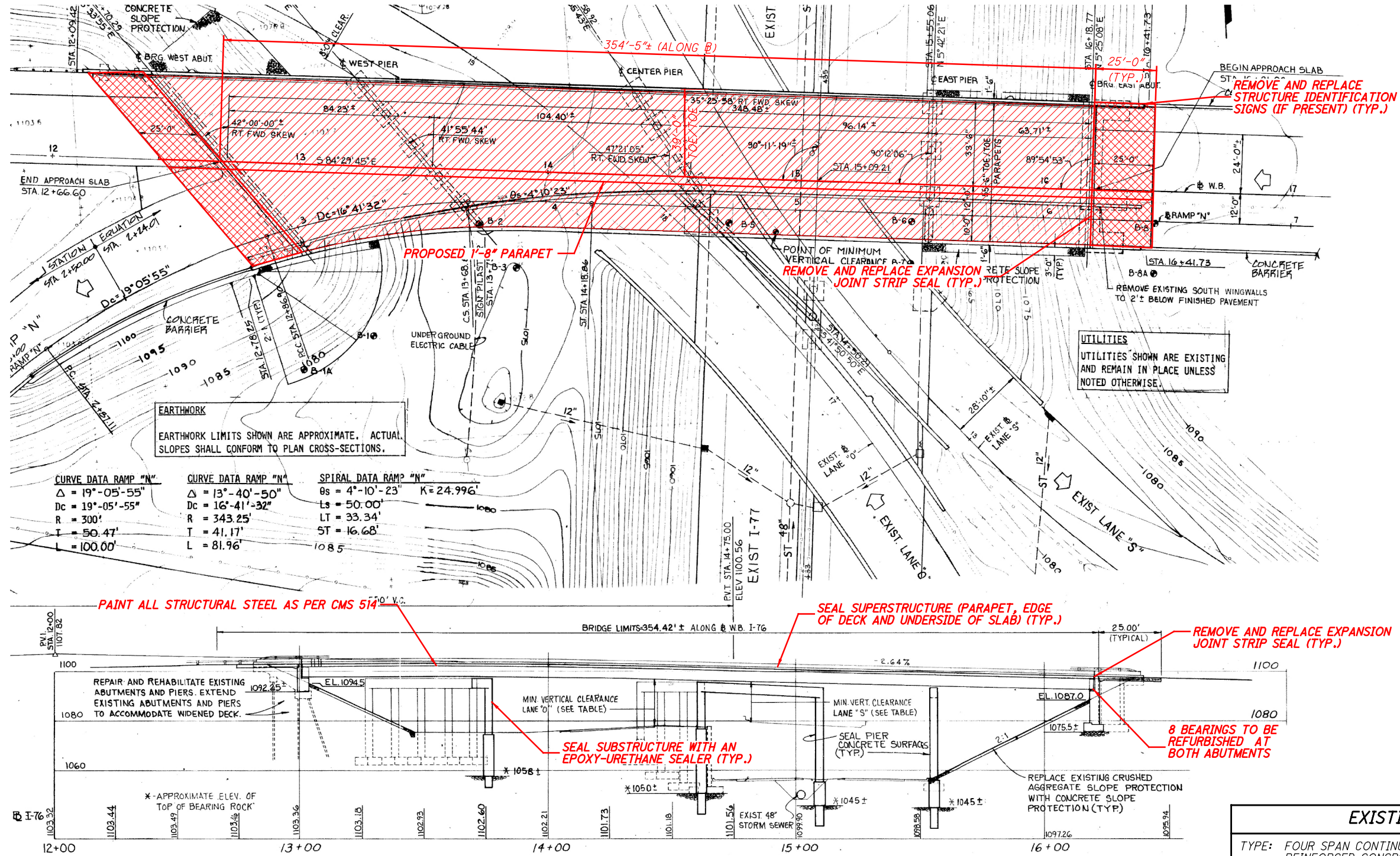
ALIGNMENT: TANGENT

COORDINATES: LATITUDE 41°05'02" $\pm$ N
LONGITUDE 81°30'12" $\pm$ W

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 4445 N. STATE ST. COLUMBUS, OHIO 43231	DATE 6/18/21
	REVIEWED SAN
DRAWN KDC	DESIGNED KDC
	CHECKED JAT
SUMMIT COUNTY	STRUCTURE FILE NUMBER 7700334
BRIDGE NO. SUM-59-0341 PERKINS ST. OVER SR-8	SUMMIT COUNTY STA. 49+32.06 $\pm$ STA. 50+52.58 $\pm$
SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329	1/1 21/65



ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:

-  - LIMITS OF MILLING & MICRO-SILICA CONCRETE OVERLAY ON BRIDGE DECK
-  - LIMITS OF MILLING & MICRO-SILICA CONCRETE OVERLAY ON APPROACH SLAB

NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
2. FOR TRANSVERSE SECTION, SEE SHEET 2/5.
3. FOR EXPANSION JOINT DETAILS, SEE SHEET 3/5.
4. FOR PARAPET DETAILS, SEE SHEET 4/5.

EXISTING STRUCTURE

TYPE: FOUR SPAN CONTINUOUS STEEL GIRDERS WITH
REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: $84'-2\frac{3}{4}" \pm$, $104'-4\frac{13}{16}" \pm$, $96'-1\frac{1}{16}" \pm$, $63'-8\frac{1}{2}" \pm$ C/C BEARINGS

ROADWAY: VARIES

LOADING: HS20-44 CASE 1 AND THE ALTERNATE MILITARY LOADING

WEARING SURFACE: $1" \pm$ MONOLITHIC CONCRETE

SKEW: VARIES

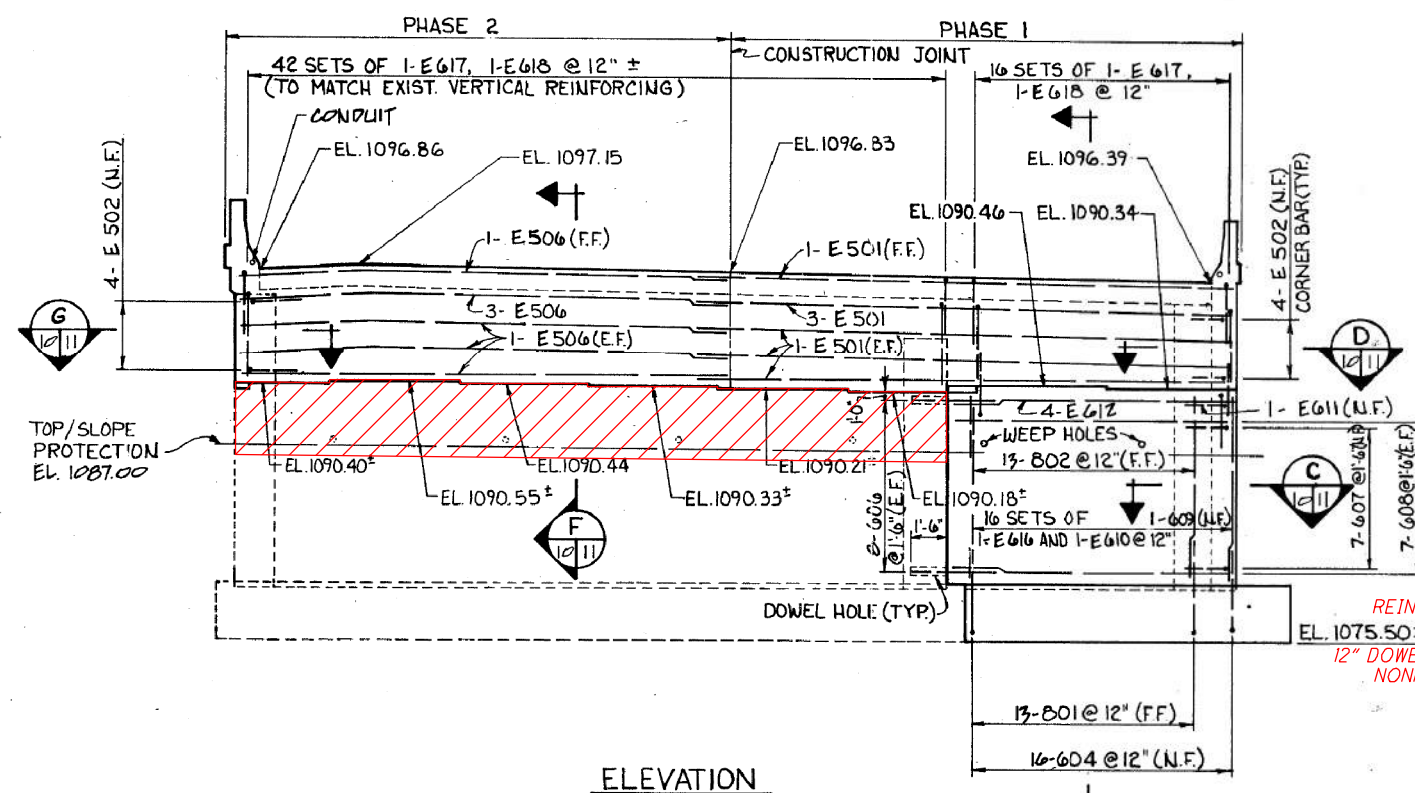
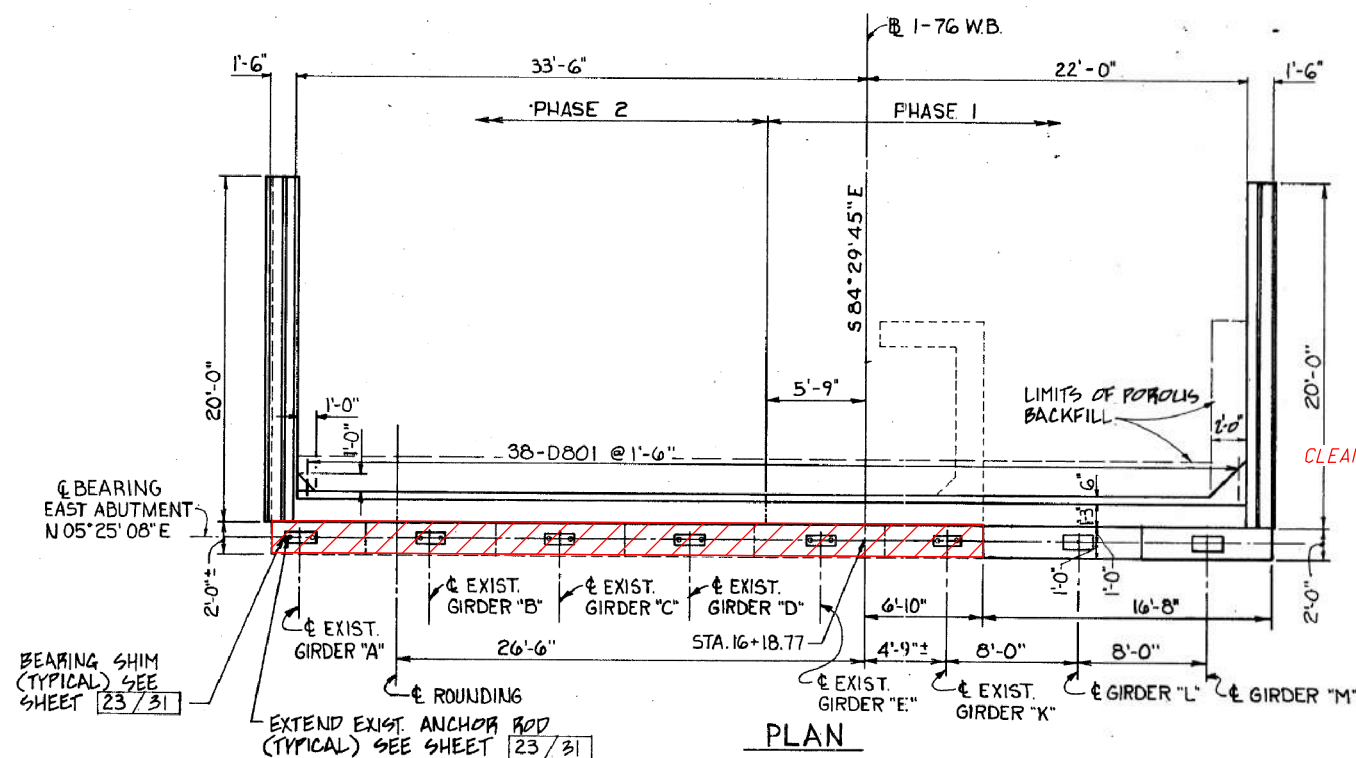
APPROACH SLABS: $25'-0" \pm$ LONG (AS-I-81)

ALIGNMENT: VARIES

SUPERELEVATION: VARIES

COORDINATES: LATITUDE $41^{\circ}03'43.2" \pm$ N
LONGITUDE $81^{\circ}30'16.0" \pm$ W

ISSUE RECORD:	
NO.	DATE
01	3-6-2023

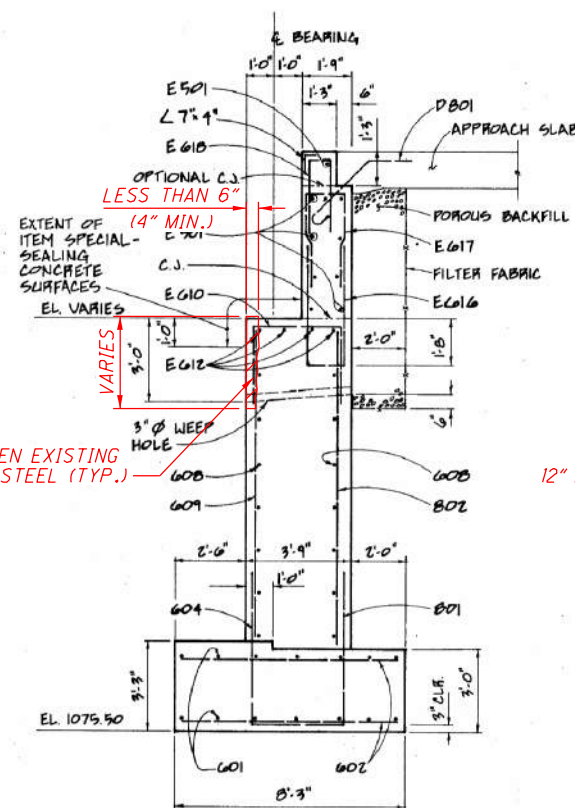


ORIGINAL CONSTRUCTION PLANS SHOWN
FOR INFORMATION ONLY. ONLY WORK
TO BE PERFORMED AT ABUTMENTS
IS THE STRIP SEAL REPLACEMENT AND
BEAM SEAT REPAIRS.

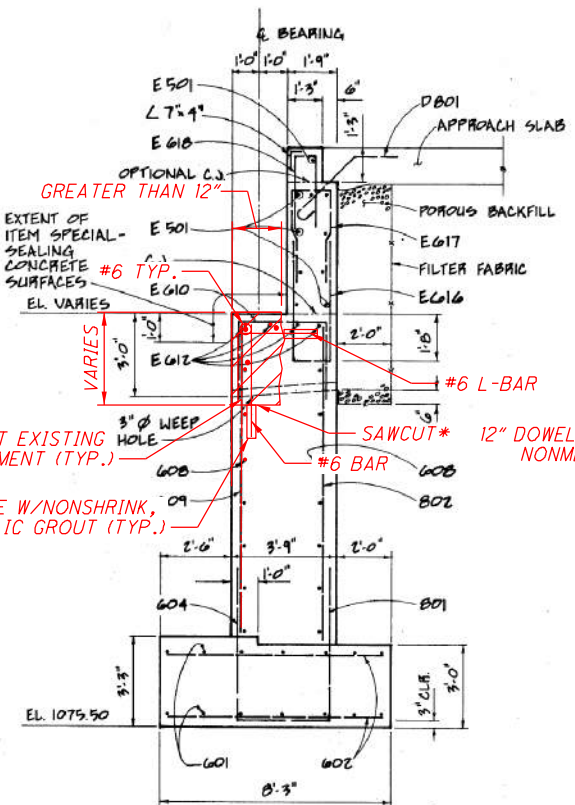
 - LIMITS OF CONCRETE REPAIR

LEGEND:

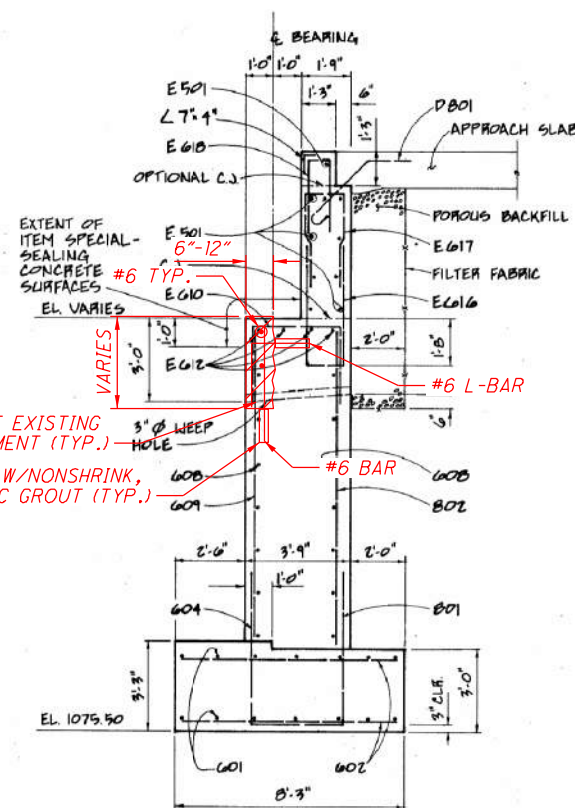
* - CONTRACTOR HAS THE OPTION TO SCORE AND CHIP



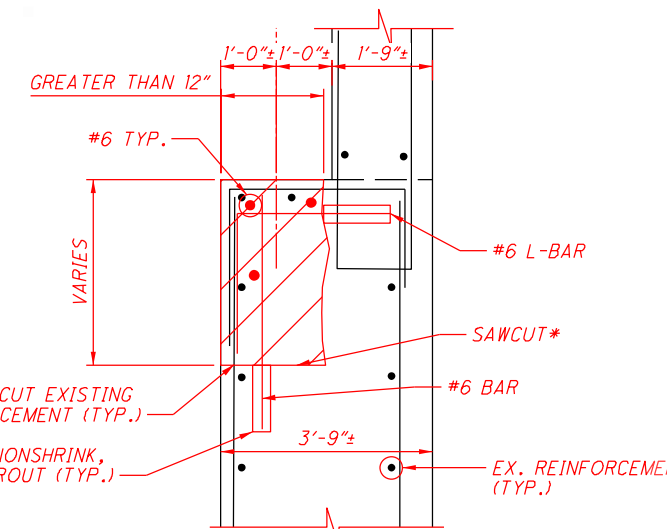
A SECTION
10 11 REPAIRS < 6" DEEP (4" MIN.)



A SECTION
10 11 REPAIRS > 12" DEEP



SECTION
REPAIRS 6"-12" DEEP



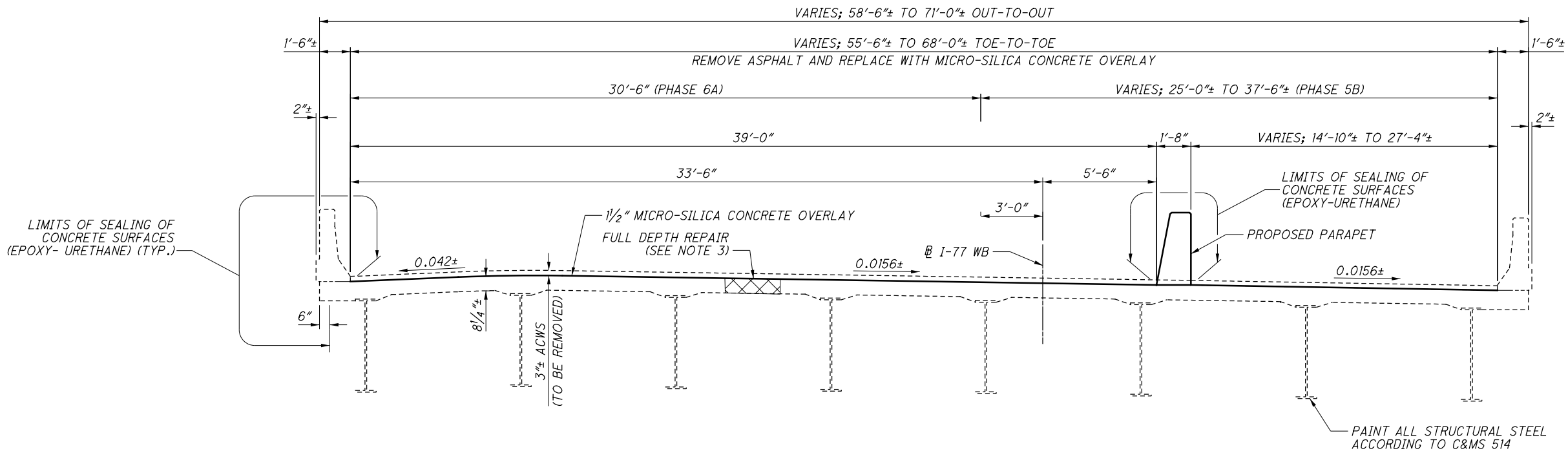
TYPICAL REPAIR DETAIL
REPAIRS > 12" DEEP SHOWN

NOTES:

1. REMOVE AND REPLACE PORTIONS OF THE FORWARD ABUTMENT BEAM SEATS AS SHOWN ON THE PLANS.
2. REPLACE ALL EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. REPLACE ALL EXISTING STEEL REINFORCEMENT BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND ARE DEEMED BY THE ENGINEER TO BE MADE UNUSABLE BY CONCRETE REMOVAL OPERATIONS WITH NEW CONCRETE REINFORCEMENT OF THE SAME SIZE, COATING, AND MATERIAL.
3. IF THE EPOXY COATING OF ANY REINFORCING STEEL IS DAMAGED DURING THE CONCRETE REMOVAL PROCESS AND IS BEING REUSED IN THE NEW WORK, IT SHALL BE REPAIRED AS DIRECTED BY C&MS 509.09
4. CONTRACTOR SHALL SUBMIT A JACKING PLAN IN ACCORDANCE WITH C&MS 501. NO MORE THAN 2 GIRDERS SHALL BE JACKED AT A TIME.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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TRANSVERSE SECTION

LEGEND:

 - LIMITS OF FULL DEPTH REPAIR

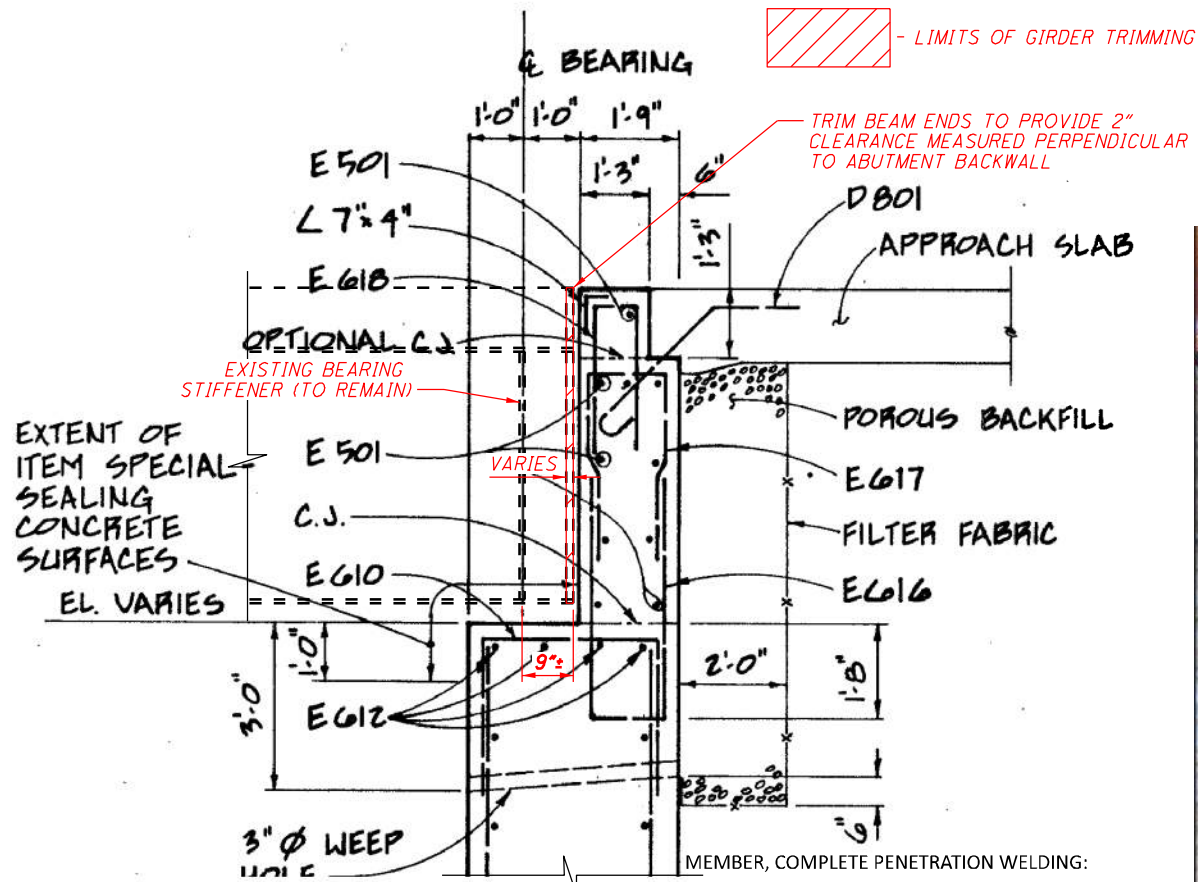
NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- FOR PROPOSED PARAPET DETAILS, SEE SHEET 4/5.
- PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET 7/65.
- REMOVE EXISTING ASPHALT CONCRETE WEARING SURFACE (ACWS) & PROVIDE NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE ORIGINAL DECK ELEVATION.

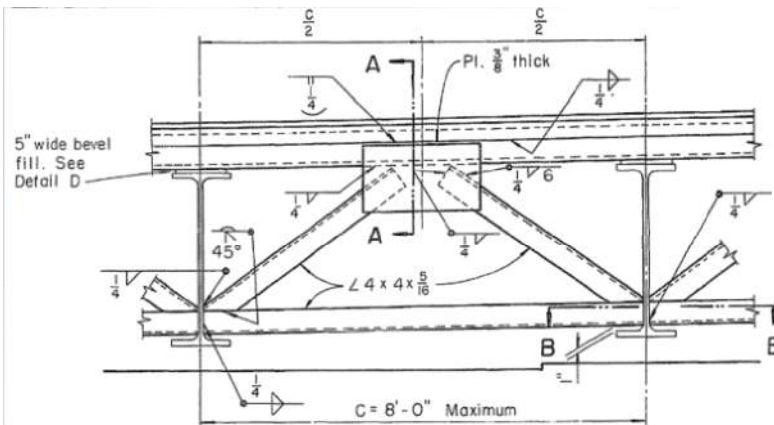
ISSUE RECORD:		DESCRIPTION
NO.	DATE	
01	3-6-2023	GIRDER REPAIR DETAIL SHEET ADDED

NO.	DATE
01	3-6-2023

PARSONS
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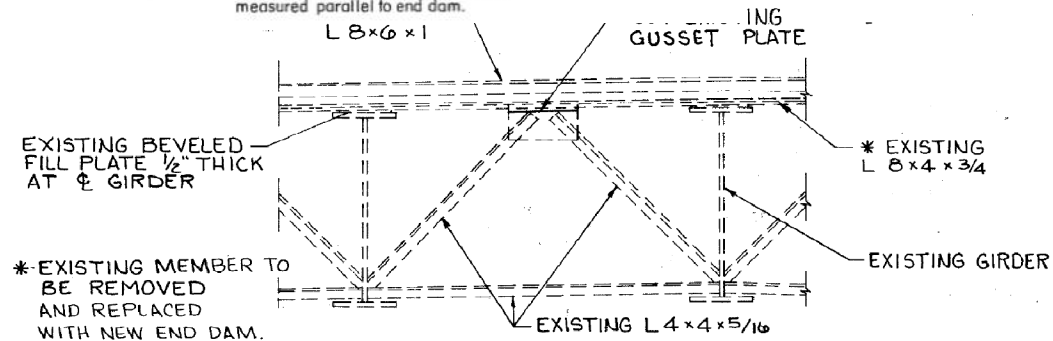


EAST ABUTMENT SECTION



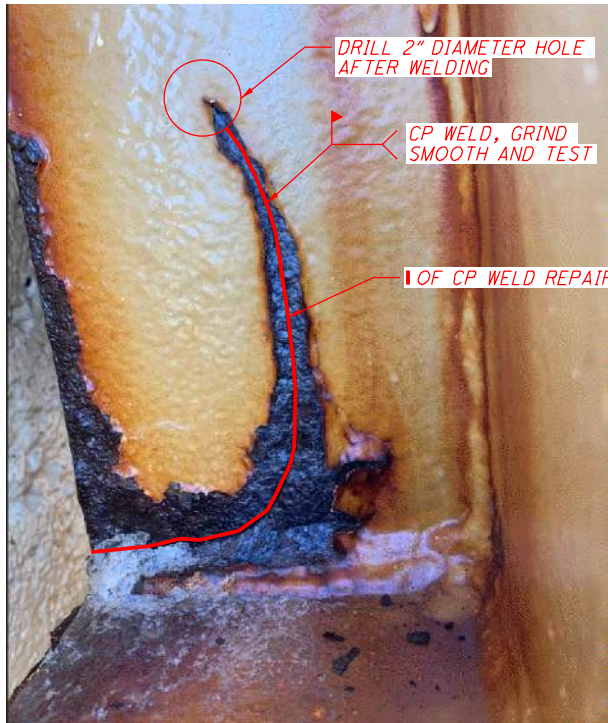
END CROSSFRAME

For beam spacing of 8'-0" or less measured parallel to end dam.



EXISTING END CROSS FRAME MODIFICATION

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY. ONLY WORK TO BE PERFORMED AT ABUTMENTS IS THE STRIP SEAL REPLACEMENT AND BEAM SEAT REPAIRS.



END GIRDER REPAIR

(SEE GIRDER REPAIR NOTES)

NOTE:

1. STRUCTURAL STEEL TO BE TRIMMED MAY BE FLAME CUT, PROVIDED A SMOOTH SURFACE FREE FROM CRACKS AND NOTCHES IS SECURED AND PROVIDED THAT AN ACCURATE PROFILE IS SECURED BY THE USE OF A MECHANICAL GUIDE. FLAME CUT SURFACES SHALL MEET THE REQUIREMENTS OF THE AASHTO BRIDGE WELDING GUIDE, AS AMENDED BY SUPPLEMENT 1011. BURRS SHALL BE REMOVED.

GIRDER REPAIR PROCEDURE:

1. PREP EXISTING MATERIALS FOR COMPLETE PENETRATION WELDS.
2. PERFORM COMPLETE PENETRATION WELDS ACCORDING TO CMS 513.21.
3. DRILL A 2" DIAMETER HOLE AT THE END OF THE WELD.
4. GRIND WELDS SMOOTH AND PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 mil.
5. PERFORM NDT TESTS ACCORDING TO C&MS 513.25A.

GIRDER REPAIR NOTES:

ITEM 513 - STRUCTURAL STEEL MISC., REPAIR OF DAMAGED MAIN MEMBER, COMPLETE PENETRATION WELDING:

AFTER DAMAGED AREAS HAVE BEEN INSPECTED ACCORDING TO ITEM 849 DAMAGE ASSESSMENT. PREPARE THE DAMAGED MATERIAL FOR WELDING. PROVIDE RUNOFF TABS FOR ALL COMPLETE PENETRATION WELDS. PERFORMING COMPLETE PENETRATION WELDS ACCORDING TO C&MS 513 USING APPROVED ELECTRODES, PROCEDURES AND WELDERS. REMOVE RUNOFF TABS AND GRIND THE COMPLETED EDGES SMOOTH. GRIND THE COMPLETED WELDS SMOOTH AND FLUSH WITH THE ADJACENT SURFACES TO PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL. DO NOT OVER GRIND AS TO REDUCE THE MATERIAL THICKNESS OR WIDTH OF THE NEW OR EXISTING MATERIALS. PREPARE ALL REENTRANT CORNERS WITH A ONE INCH RADIUS. REMOVE WELDING, START AND STOP DISCONTINUITIES. RADIOGRAPHIC TEST THE FINISHED WELDS ACCORDING TO C&MS 513.25A AND SUBMIT COPIES OF THE REPORTS TO THE ENGINEER. THE ENGINEER MAY OBTAIN TECHNICAL ASSISTANCE FROM THE OFFICE OF MATERIALS MANAGEMENT.

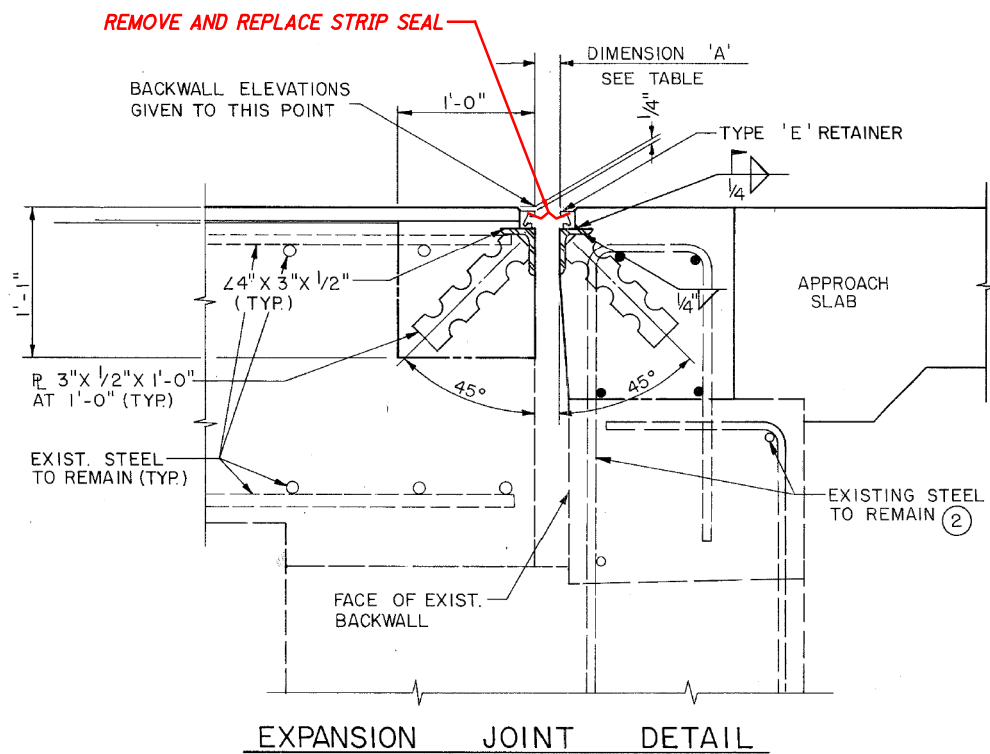
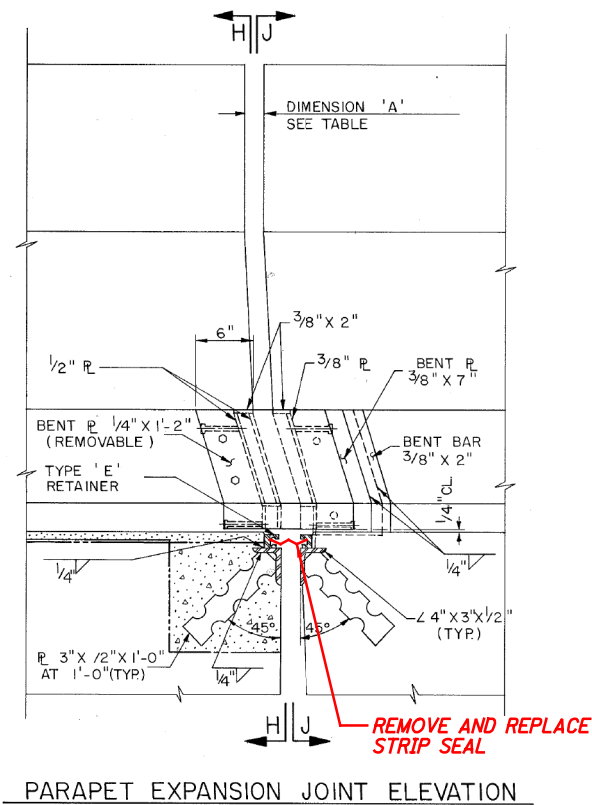
ITEM 513 - STRUCTURAL STEEL MISC., REPAIR OF DAMAGED MEMBERS, DRILLING:

DRILL 2 INCH DIAMETER HOLES AT BOTH ENDS OF EACH IDENTIFIED CRACK AS DIRECTED BY THE ENGINEER. GRIND THE HOLES SMOOTH ACCORDING TO C&MS 513.19.

FOR PAINTING NOTES, SEE GENERAL NOTES SHEET 5/65.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

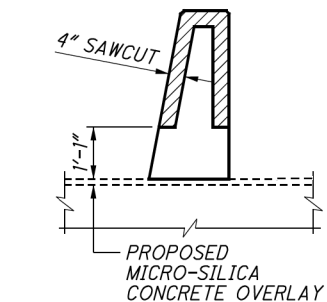
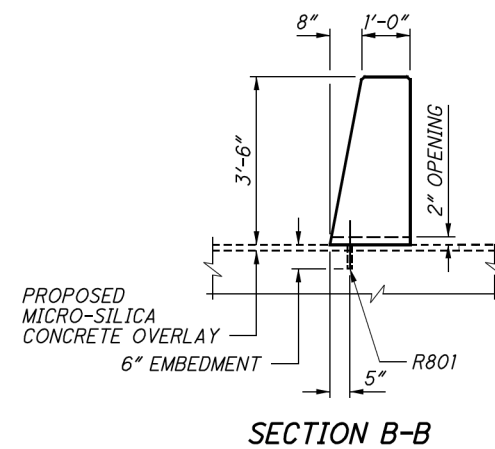
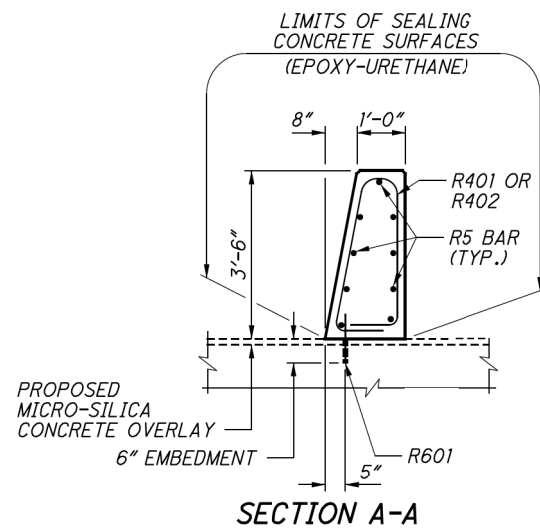
GIRDER REPAIR DETAILS		PARSONS	
BRIDGE NO. SUM-76-1151L		100 East Campus View Boulevard, Suite 250 Columbus, OH 43235	
I-76 WB OVER SR-8		7706006	
SUM-76/77/8-8.24/9.74/0.00		2/16/2023	
PID No. 102329		TES	
		REVIEWED	
		DATE	
		DESIGNED	
		CHECKED	
		DRAWN	
		REVISED	
		KDC	
		JRE	
		STRUCTURE FILE NUMBER	
		2A/5	
		23A	



DIMENSION 'A'						
TEMPERATURE °F	40	50	60	70	80	90
	2 1/16"	2 1/32"	2"	3 1/32"	15/16"	1 7/8"

ORIGINAL CONSTRUCTION PLANS SHOWN
FOR INFORMATION ONLY. ONLY WORK
TO BE PERFORMED AT ABUTMENTS
IS THE STRIP SEAL REPLACEMENT

1. REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD ABUTMENTS.



NOTES:

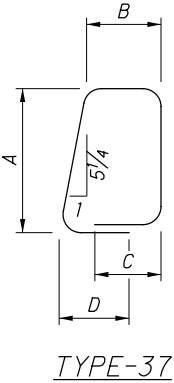
1. FOR REINFORCING LIST, SEE SHEET 5/5.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

pw:\V\ANV\A01PW\INT01.parsons.com:Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-15\Sheets\076_1151L_RL001.dgn Sheet 10/4/2021 2:49:23 PM KChrisman

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPET											
R401	67	8'-2"	366	37	3'-2"	6"	1'-0"	1'-0"			
R402	5	9'-2"	31	37	3'-2"	10"	1'-4"	1'-4"			
R403	6	3'-0"	12	STR							
R501	18	24'-6"	460	STR							
R502	9	1'-2"	11	STR							
R503	4	15'-11"	66	STR							
R504	13	14'-6"	197	STR							
R505	1	15'-3"	16	STR							
R506	9	0'-9"	7	STR							
*R601	69	1'-0"	104	STR							
*R801	119	1'-0"	318	STR							
SUB-TOTAL			1588								

* - INDICATES DOWEL BAR



NOTES:

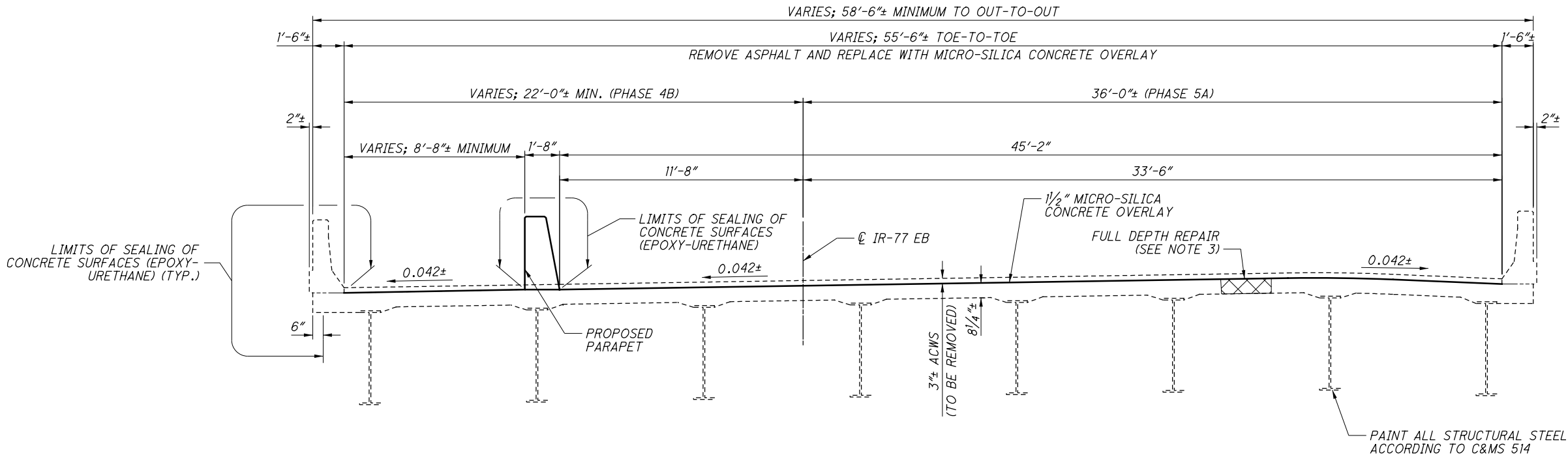
- ALL REINFORCING STEEL SHALL BE EPOXY COATED.
- BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH TWO OR THREE LETTERS OR NUMBERS THAT IDENTIFY THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.

EXAMPLE: SA1001
SA = SUPERSTRUCTURE BAR
10 = #10 BAR
01 = BAR SEQUENCE NUMBER 1
- BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS OTHERWISE INDICATED.
- STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
- RAD INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
- INCR. INDICATES THE LENGTH INCREMENT FOR SERIES BARS.
- STD. WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF A BAR.
- FIELD BEND BARS AS NECESSARY TO MATCH CURVATURE OF ROADWAY.

5 / 5	SUM-76/77/8-8.24/9.74/0.00 PID No. 102329	REINFORCING STEEL LIST		BRIDGE NO. SUM-76-1151L I-76 WB OVER SR-8	DESIGNED KDC CHECKED JAT	DRAWN KDC REVISED	REVIEWED SAN STRUCTURE FILE NUMBER 7706006	DATE 6/18/21	DESIGN AGENCY PRIME 8415 N. State Rd. Columbus, Ohio 43231

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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TRANSVERSE SECTION

LEGEND:

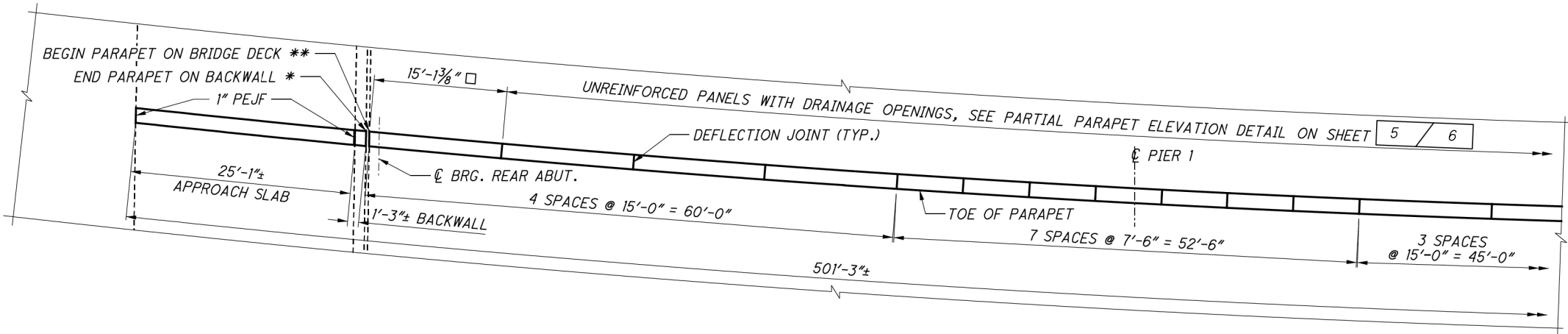
 - LIMITS OF FULL DEPTH REPAIR

NOTES:

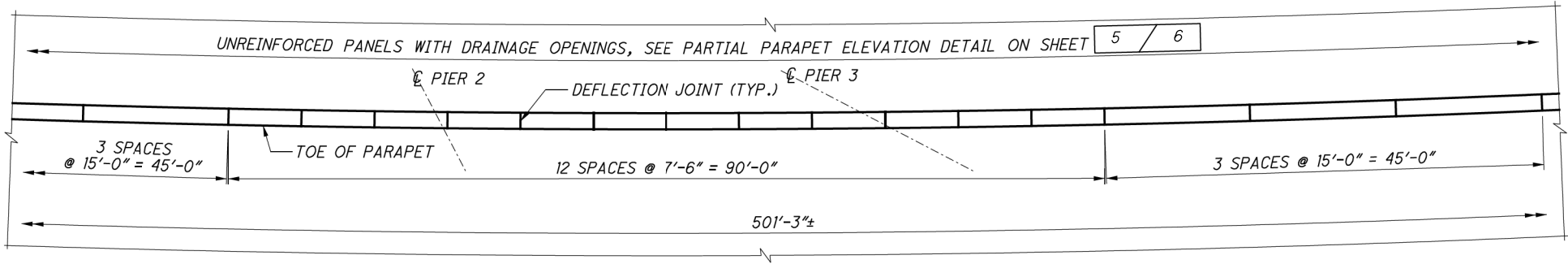
- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- FOR PROPOSED BARRIER DETAILS, SEE SHEET 4/6 THRU 5/6.
- PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET 7/65.
- REMOVE EXISTING ASPHALT CONCRETE WEARING SURFACE (ACWS) & PROVIDE NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE ORIGINAL DECK ELEVATION.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

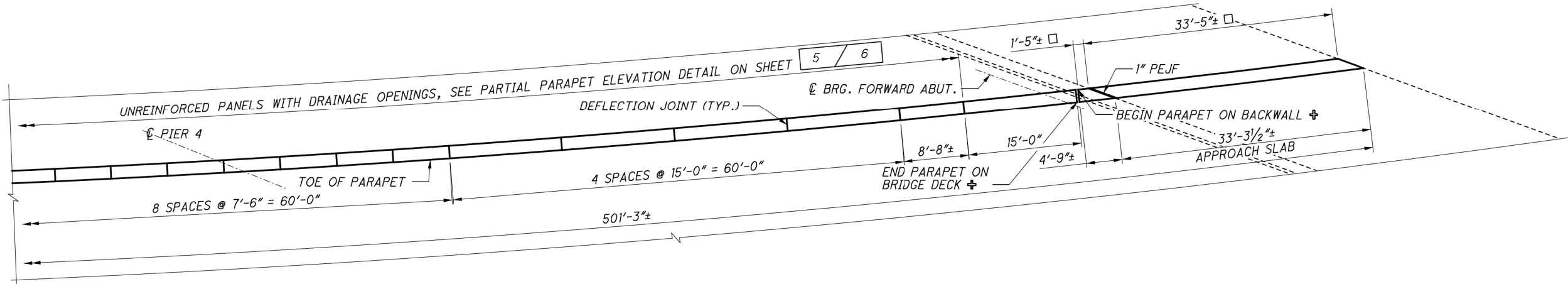
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PARAPET PLAN



PARAPET PLAN (CONTINUED)



PARAPET PLAN (CONTINUED)

NOTES:

1. FOR REINFORCING LIST, SEE SHEET 6/6.

NOTE:

ALL LONGITUDINAL DIMENSIONS ARE MEASURED ALONG TOE OF PARAPET, UNLESS NOTED OTHERWISE.

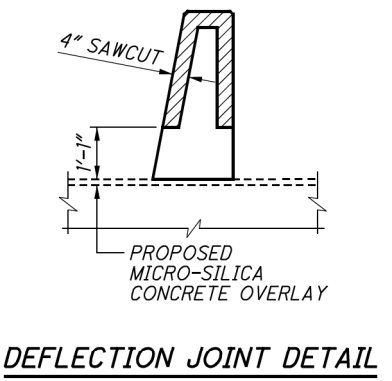
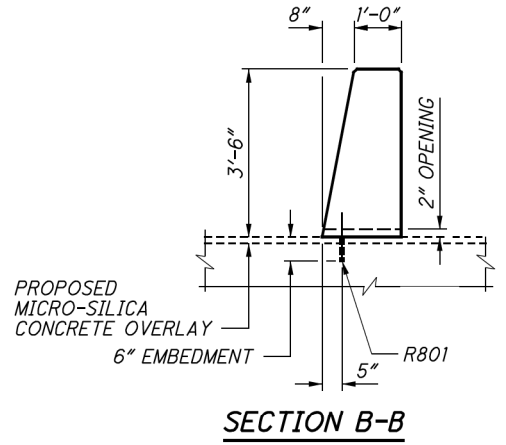
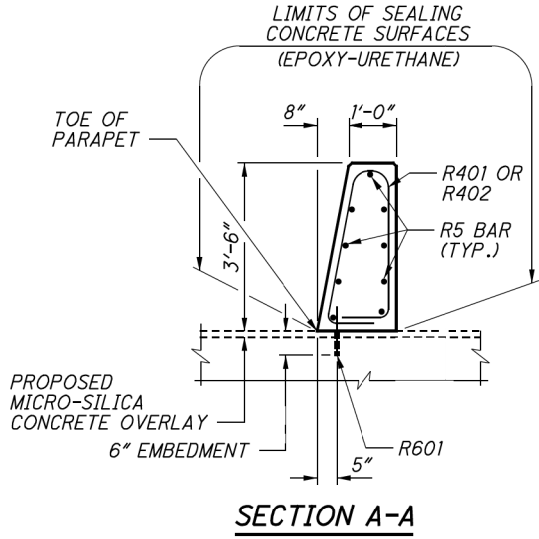
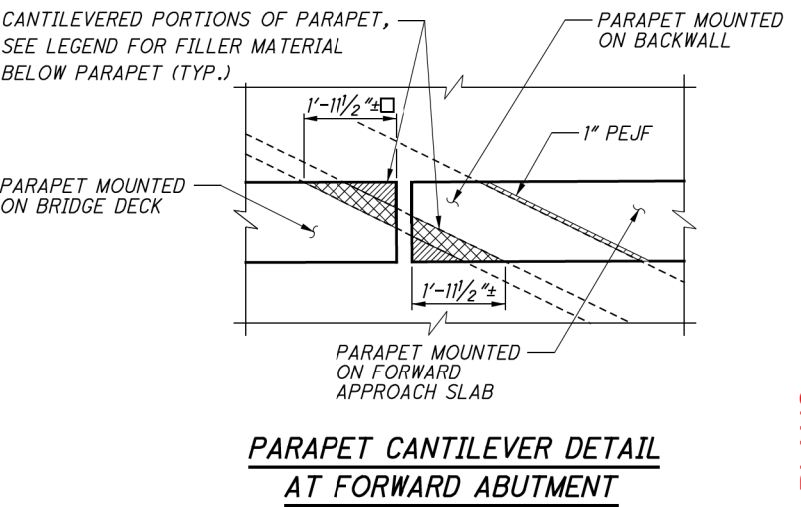
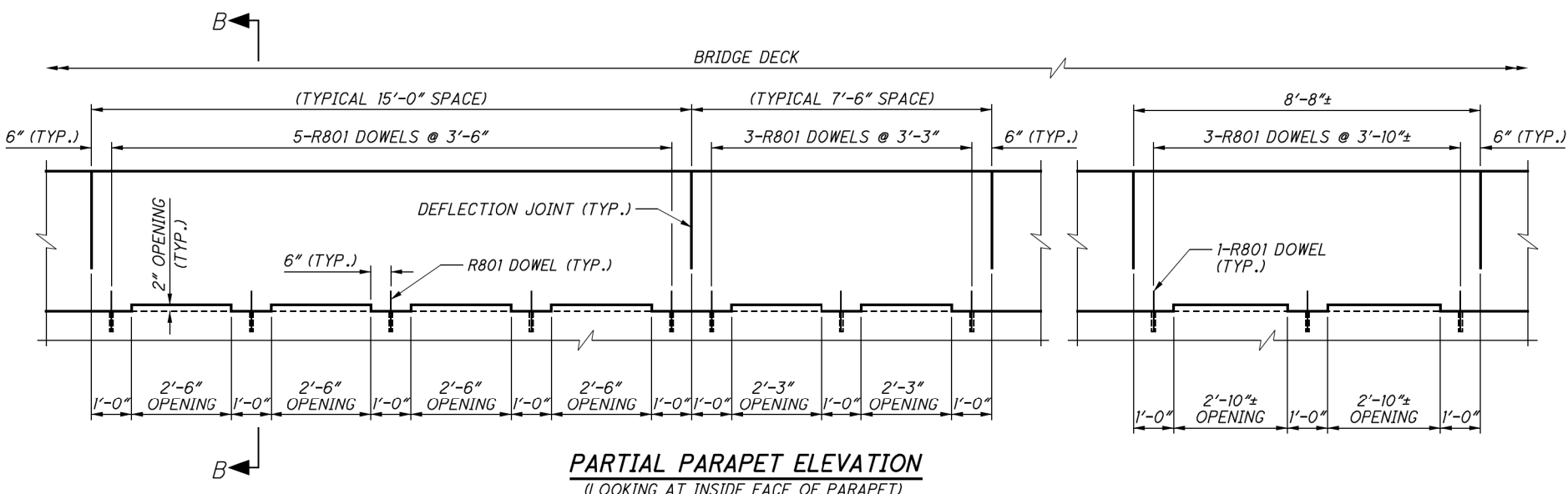
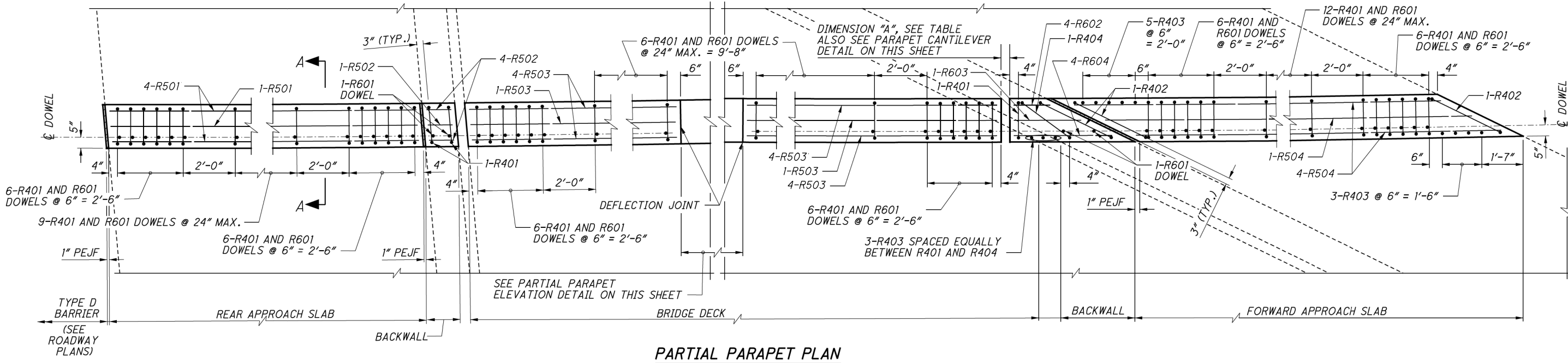
LEGEND:

- * = ALIGN WITH THE EDGE OF EXISTING 7"x4"x1/2" ANGLE
- ** = ALIGN WITH THE EDGE OF EXISTING 6"x4"x1/2" ANGLE
- ± = SEE SHEET 5/6 FOR DETAILS
- = MEASURED ALONG BACK FACE OF PARAPET

DESIGN AGENCY		DATE	6/18/21
PRIME		REVIEWED	SAN
8416 State Road, Suite 300 Columbus, Ohio 43221		DRAWN	KDC
		CHECKED	JAT
		STRUCTURE FILE NUMBER	7706030
		REVISOR	
PARAPET DETAILS (1 OF 2)			
BRIDGE NO. SUM-76-1154R			
I-76 EB OVER SR-8			
SUM-76/77/8-8.24/9.74/0.00			
PID No. 102329			
4/6			
30/65			

ISSUE RECORD:	NO.	DATE	DESCRIPTION

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 2026-03-24 - BU-15 - RECORD DRAWING PLANS



NOTES:
 1. FOR REINFORCING LIST, SEE SHEET 6/6.

AMBIENT TEMP. F°	JOINT OPENING BETWEEN PARAPETS AT FORWARD ABUTMENT, DIMENSION "A"
30	4 3/4"
40	4 1/2"
50	4 1/4"
60	4"
70	3 3/4"
80	3 1/2"
90	3 1/4"

NOTE:
 ALL LONGITUDINAL DIMENSIONS ARE MEASURED ALONG TOE OF PARAPET, UNLESS NOTED OTHERWISE.

LEGEND:
 = 1" PEJF
 = REMOVABLE FORMING MATERIAL
 □ = MEASURED ALONG BACK FACE OF PARAPET

DESIGN AGENCY
PRIME
 6415 BAKER BLVD
 COLUMBUS, OHIO 43231

DATE
 6/18/21

REVIEWED
 SAN

DRAWN
 KDC

CHECKED
 JAT

STRUCTURE FILE NUMBER
 7706030

PARAPET DETAILS (2 OF 2)
 BRIDGE NO. SUM-76-1154R
 I-76 EB OVER SR-8

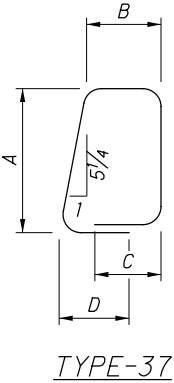
SUM-76/77/8-
 8.24/9.74/0.00
 PID No. 102329

5/6
 31/65

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
PARAPET											
R401	72	8'-2"	393	37	3'-2"	6"	1'-0"	1'-0"			
R402	3	15'-8"	31	37	3'-2"	2'-9"	3'-3"	3'-3"			
R403	8	3'-0"	16	STR							
R404	1	12'-5"	8	37	3'-2"	1'-8"	2'-2"	2'-2"			
R501	9	24'-7"	231	STR							
R502	9	9"	7	STR							
R503	18	14'-6"	272	STR							
R504	9	32'-9"	307	STR							
*R601	73	1'-0"	110	STR							
R602	4	11"	6	STR							
R603	1	2'-7"	4	STR							
R604	4	4'-3"	26	STR							
*R801	149	1'-0"	398	STR							
SUB-TOTAL			1809								

* - INDICATES DOWEL BAR



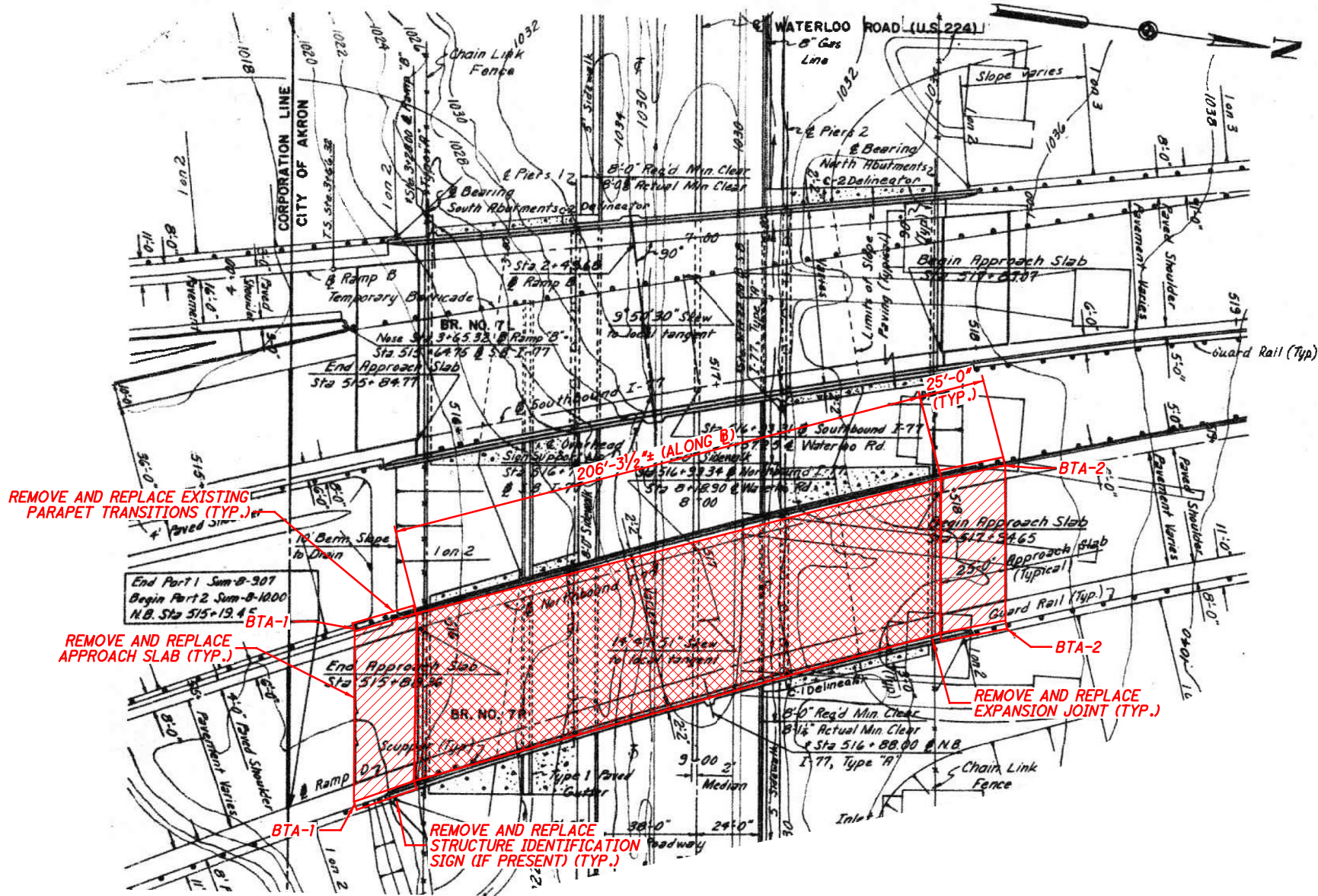
NOTES:

- ALL REINFORCING STEEL SHALL BE EPOXY COATED.
- BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH TWO OR THREE LETTERS OR NUMBERS THAT IDENTIFY THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.

EXAMPLE: SA1001
SA = SUPERSTRUCTURE BAR
10 = #10 BAR
01 = BAR SEQUENCE NUMBER 1
- BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS OTHERWISE INDICATED.
- STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
- RAD INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
- INCR. INDICATES THE LENGTH INCREMENT FOR SERIES BARS.
- STD. WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF A BAR.
- FIELD BEND BARS AS NECESSARY TO MATCH CURVATURE OF ROADWAY.

REINFORCING STEEL LIST		DESIGN AGENCY PRIME 8450 N. State Rd. Columbus, Ohio 43231
BRIDGE NO. SUM-76-1154R I-76 EB OVER SR-8		REVIEWED SAN DATE 6/18/21 STRUCTURE FILE NUMBER 7706030
SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329		DRAWN KDC CHECKED JAT REVISED
6/6		
32/65		

ISSUE RECORD:		DESCRIPTION
NO.	DATE	



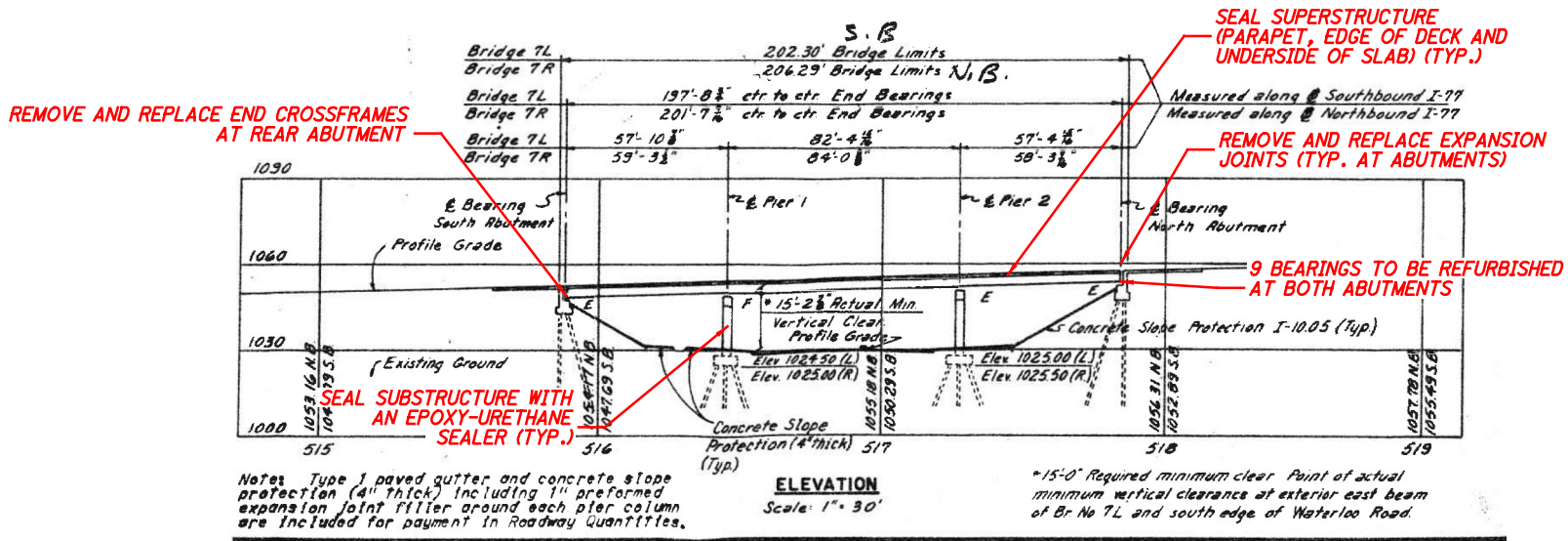
ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:

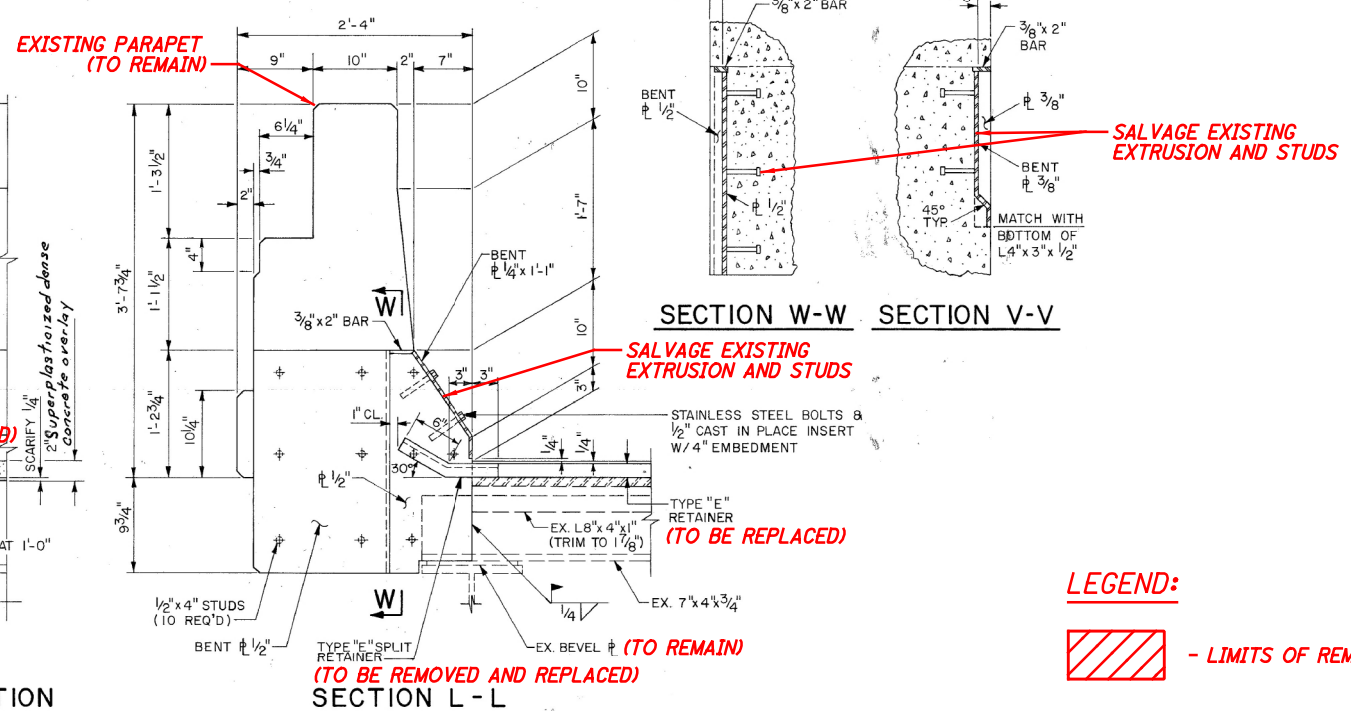
- LIMITS OF APPROACH SLAB REMOVAL AND REPLACEMENT
- LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON BRIDGE DECK

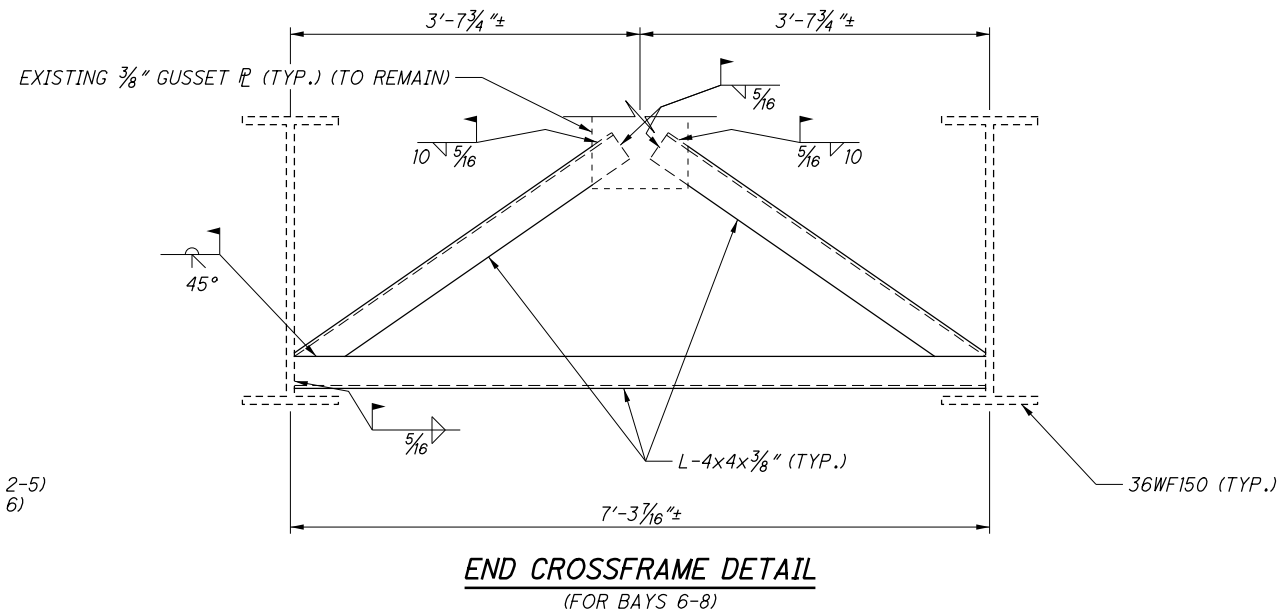
NOTES:

- FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
- FOR TRANSVERSE SECTION AND END CROSSFRAME DETAILS, SEE SHEET 3/8.
- FOR REMOVAL DETAILS, SEE SHEET 2/8.
- FOR EXPANSION JOINT DETAILS, SEE SHEET 4/8.
- FOR APPROACH SLAB DETAILS, SEE SHEETS 5/8 THRU 7/8.



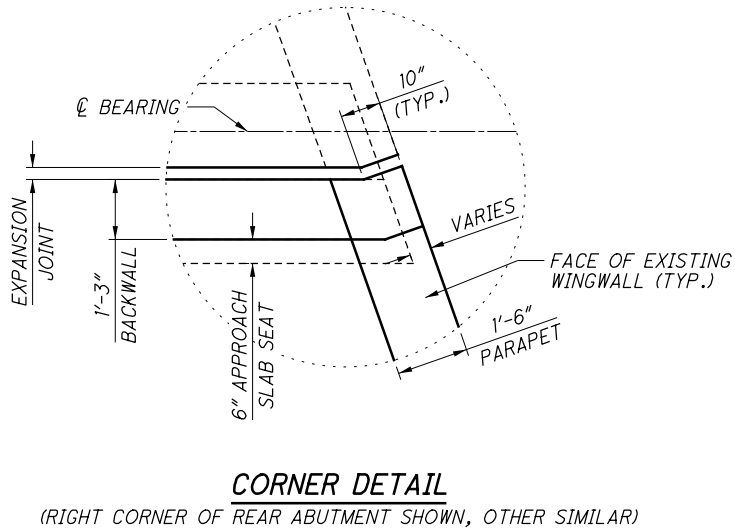
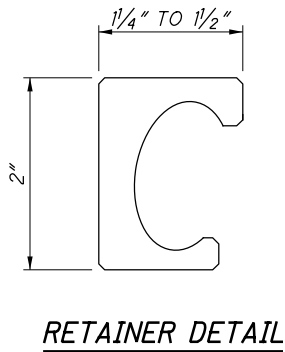
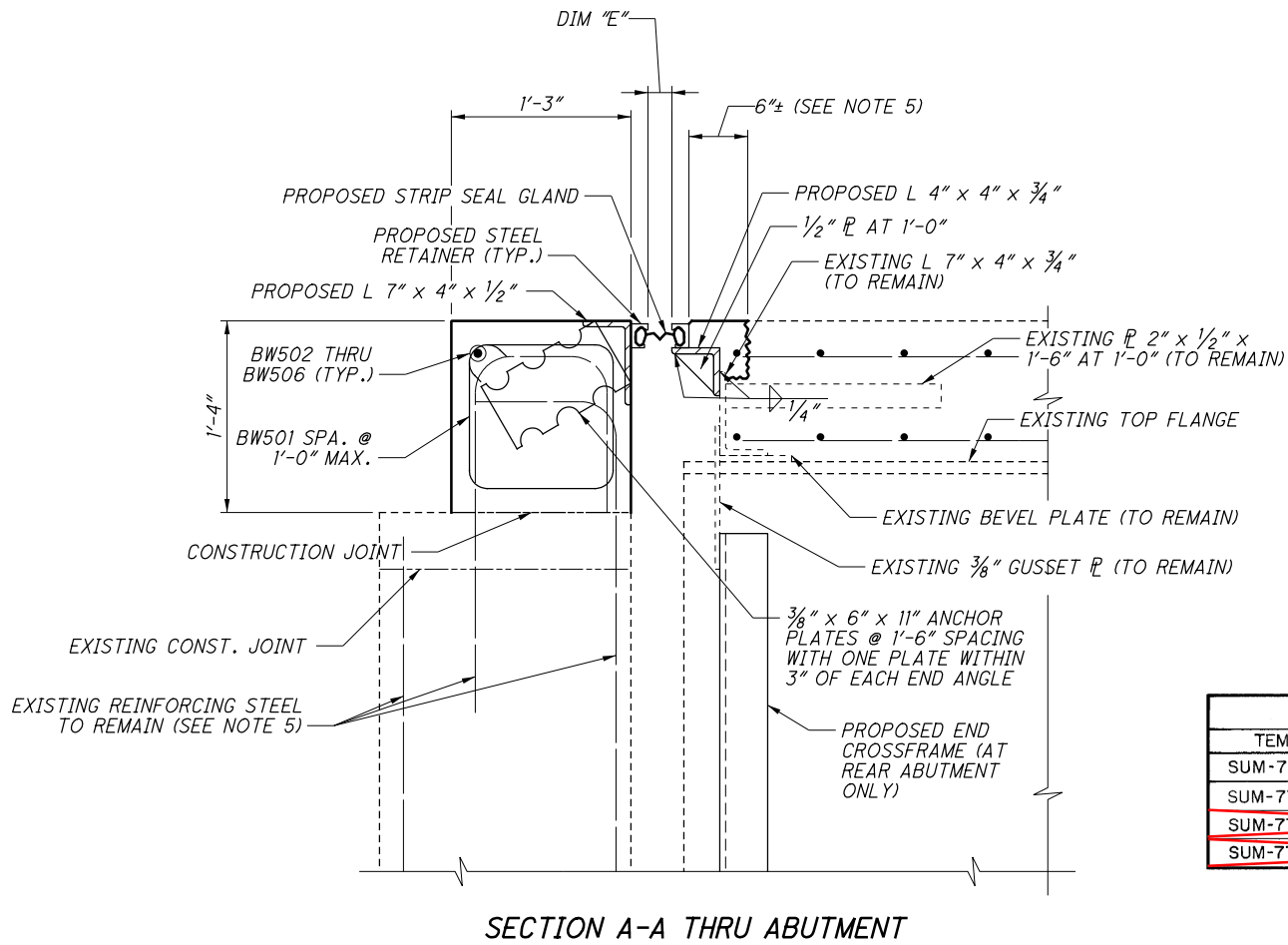
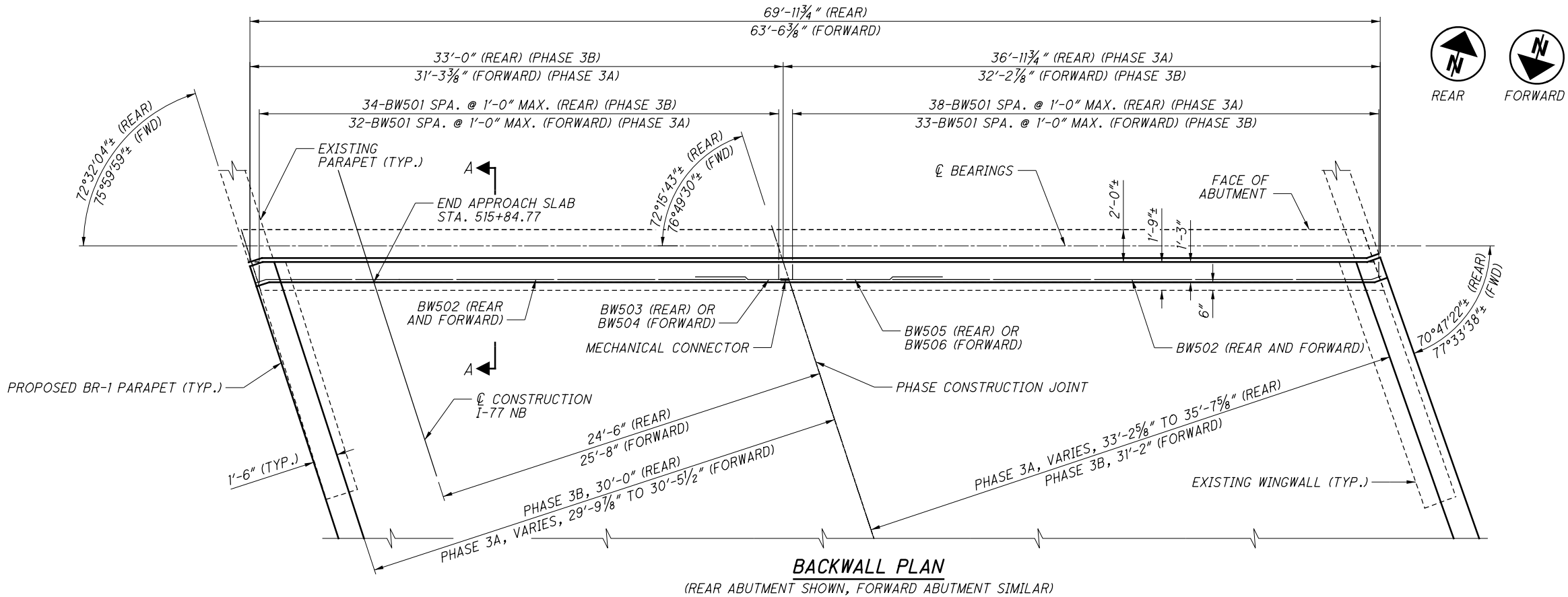
EXISTING STRUCTURE	
TYPE: THREE SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 59'-3 1/2"±, 84'-0 3/8"±, 58'-3 3/16"± C/C BEARINGS	
ROADWAY: VARIES	
LOADING: HS 20-44 (CASE I) AND ALTERNATE MILITARY LOADING	
WEARING SURFACE: 1.2"± MONOLITHIC	
SKEW: VARIES	
APPROACH SLABS: 25'-0"± LONG (AS-I-54)	
ALIGNMENT: 2°30'00"± RIGHT	
SUPERELEVATION: 0.081 FT/FT	
COORDINATES: LATITUDE 41°01'45"± N	
LONGITUDE 81°30'16"± W	

 - LIMITS OF REMOVAL



1. FOR GENERAL NOTES, SEE SHEETS [3/65] THRU [7/65].
2. PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET [7/65].
3. FOR ADDITIONAL END CROSSFRAME NOTES AND DETAILS, SEE STD. DWG. GSD-1-19.
4. PROVIDE NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT EXISTING DECK ELEVATION.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

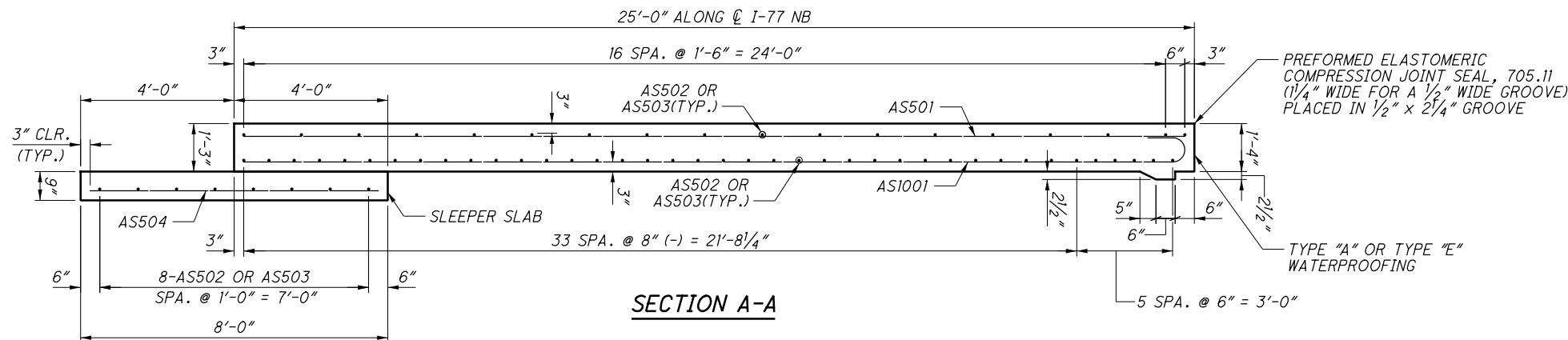
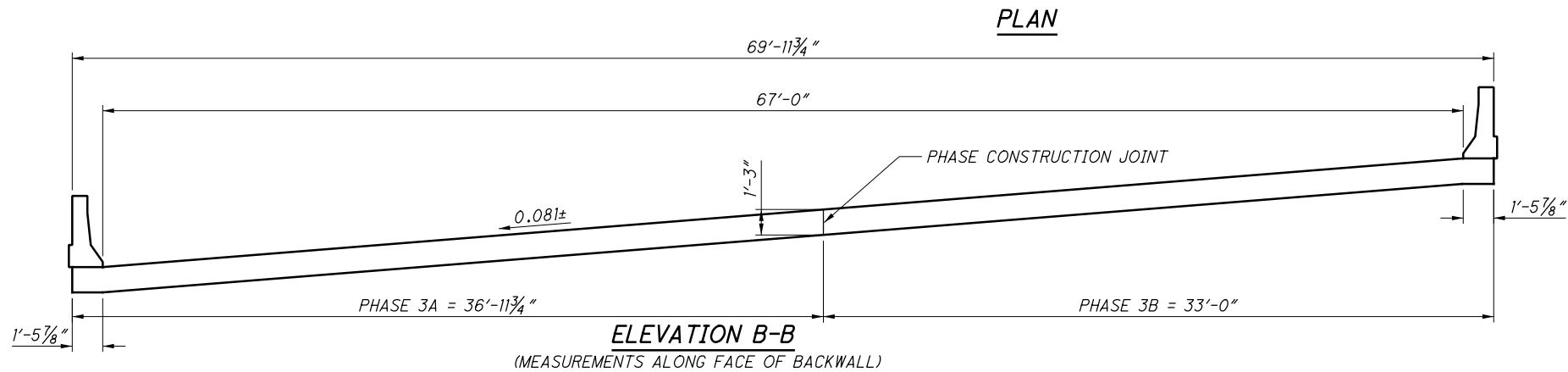
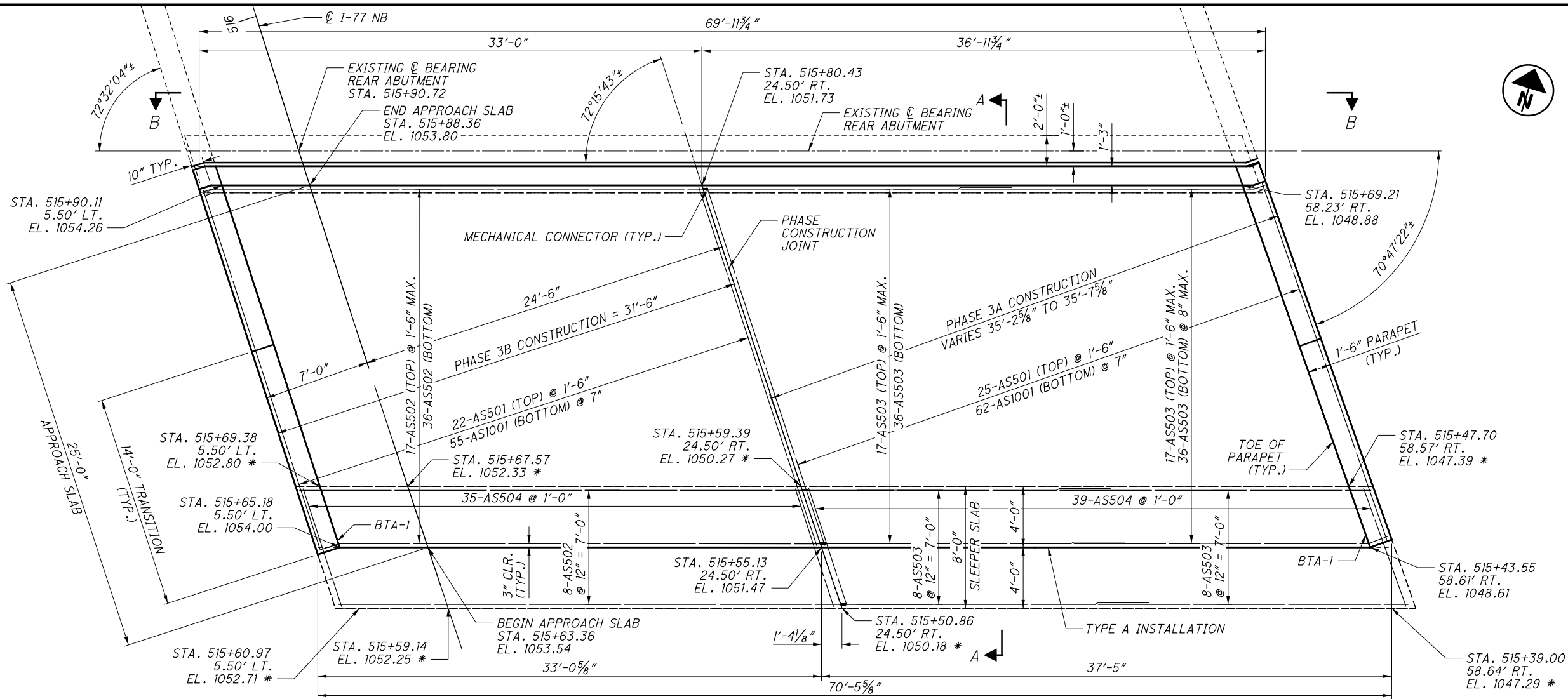


DIMENSION E					
TEMPERATURE, °F	50°	60°	70°	80°	90°
SUM-77-975R S.ABUT.	2 1/16"	2"	1 5/16"	1 5/16"	1 7/8"
SUM-77-975R N.ABUT.	2 1/8"	2"	1 7/8"	1 3/4"	1 1/16"
SUM-77-975L S.ABUT.	2 1/16"	2"	1 5/16"	1 5/16"	1 7/8"
SUM-77-975L N.ABUT.	2 1/8"	2"	1 7/8"	1 3/4"	1 1/16"

- NOTES:
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. EXJ-4-87.
 - FOR REAR ABUTMENT END CROSSFRAME DETAILS, SEE SHEET 3/8.
 - FOR PARAPET DETAILS, SEE SHEET 7/8.
 - FOR REINFORCING LIST, SEE SHEET 8/8.
 - CHIP AWAY PORTION OF EXISTING BRIDGE DECK TO REMOVE AND REPLACE JOINT ANGLE AND EXTRUSION.

ISSUE RECORD:	NO.	DATE	DESCRIPTION

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LEGEND:

* - ELEVATION SHOWN IS TO TOP OF SLEEPER SLAB

MINIMUM LAP LENGTHS:

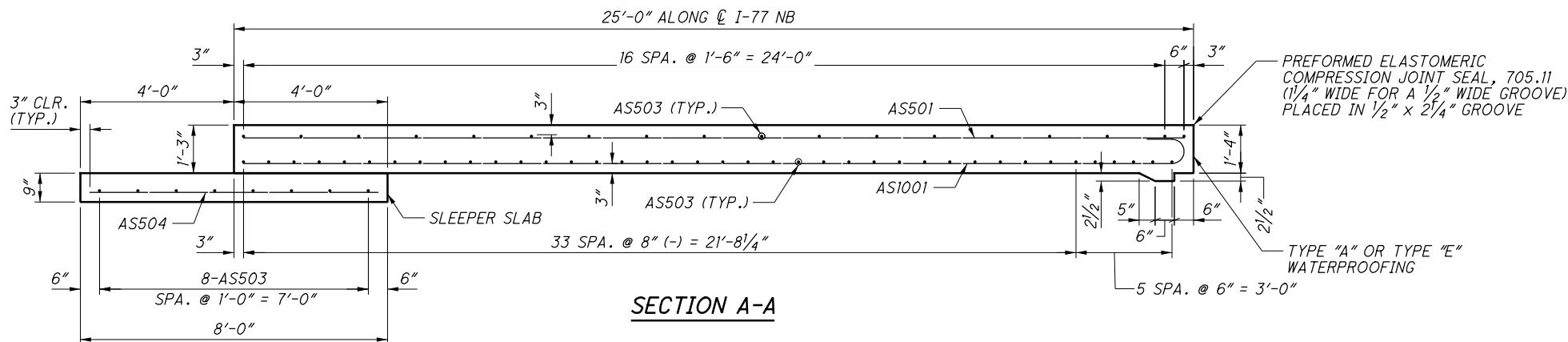
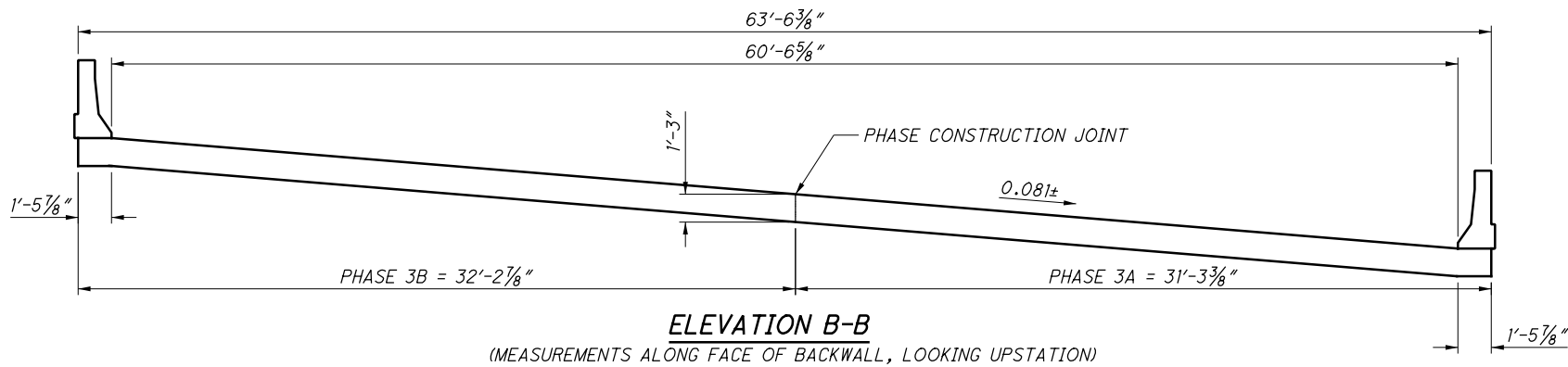
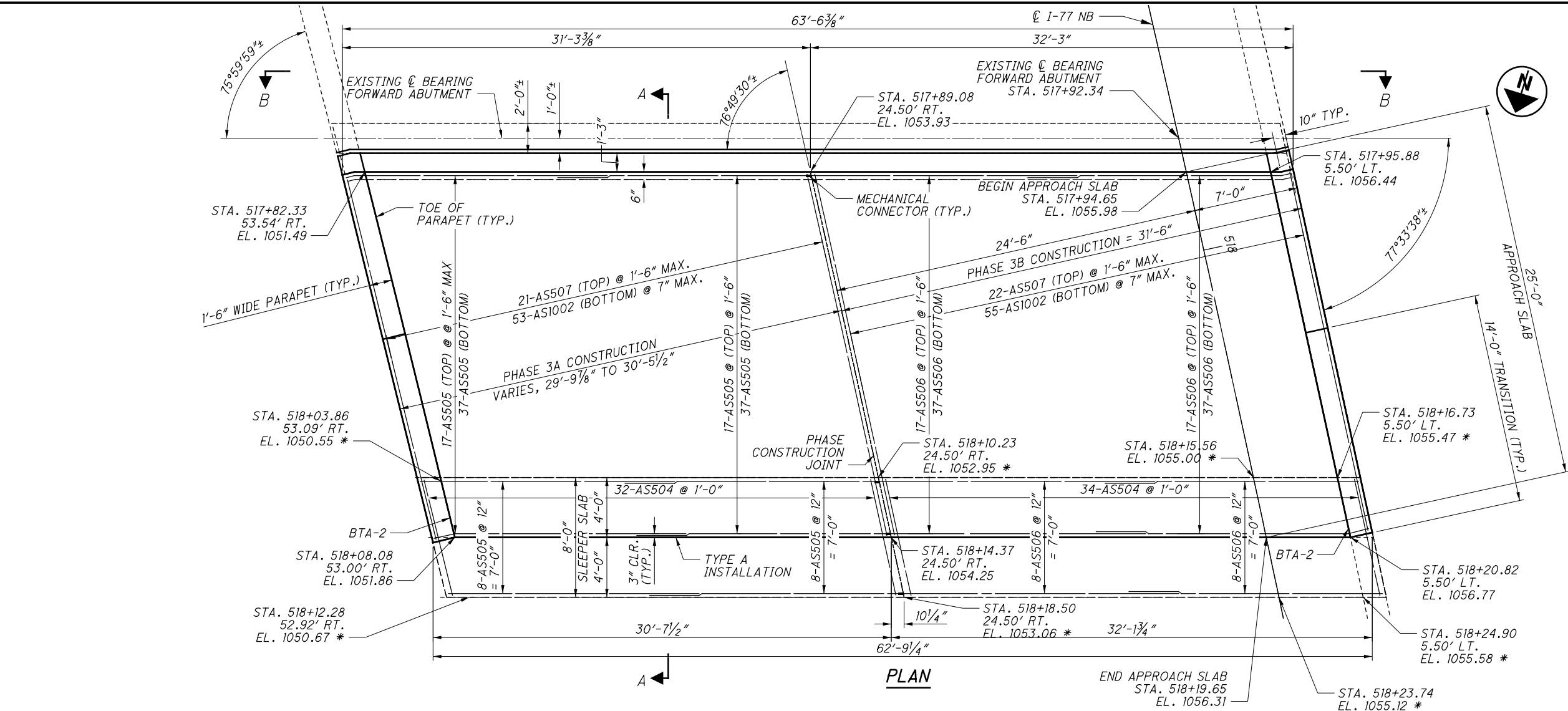
#5 BAR = 3'-1"

- NOTES:**
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWGS. AS-1-15 AND AS-2-15.
 - FOR PARAPET DETAILS, SEE SHEET 7/8.
 - FOR REINFORCING LIST, SEE SHEET 8/8.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY	DATE	REVIEWED	DRAWN	DESIGNED
PRIME	6/18/21	SAN	BTJ	BTJ
6450 State Route 300 Columbus, Ohio 43231	STRUCTURE FILE NUMBER	7702736	REVISED	CHECKED
			JAT	
REAR APPROACH SLAB DETAILS BRIDGE NO. SUM-77-0974R I-77 NB OVER WATERLOO RD				
SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329				
5/8 37/65				

ISSUE RECORD:		DESCRIPTION
NO.	DATE	



LEGEND:

* - ELEVATION SHOWN IS TO TOP OF SLEEPER SLAB

MINIMUM LAP LENGTHS:

#5 BAR = 3'-1"

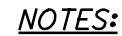
- NOTES:**
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWGS. AS-1-15 AND AS-2-15.
 - FOR PARAPET DETAILS, SEE SHEET 7/8.
 - FOR REINFORCING LIST, SEE SHEET 8/8.

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 5A	PHASE 5B	TOTAL				A	B	C	D	E	R	INC
REAR ABUTMENT BACKWALL													
BW501	38	34	72	4'-6"	338	3	11"	1'-0"					
BW502	1	1	2	30'-0"	63	STR							
BW503	1		1	5'-11"	6	STR							
BW504	NOT USED												
*BW505		1	1	9'-11"	10	STR							
BW506	NOT USED												
SUB-TOTAL					417								

* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 5A	PHASE 5B	TOTAL				A	B	C	D	E	R	INC
FORWARD ABUTMENT BACKWALL													
BW501	32	33	65	4'-6"	305	3	11"	1'-0"					
BW502	1	1	2	30'-0"	63	STR							
BW503	NOT USED												
*BW504	1		1	4'-4"	5	STR							
BW505	NOT USED												
BW506		1	1	5'-2"	5	STR							
SUB-TOTAL					378								

* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED

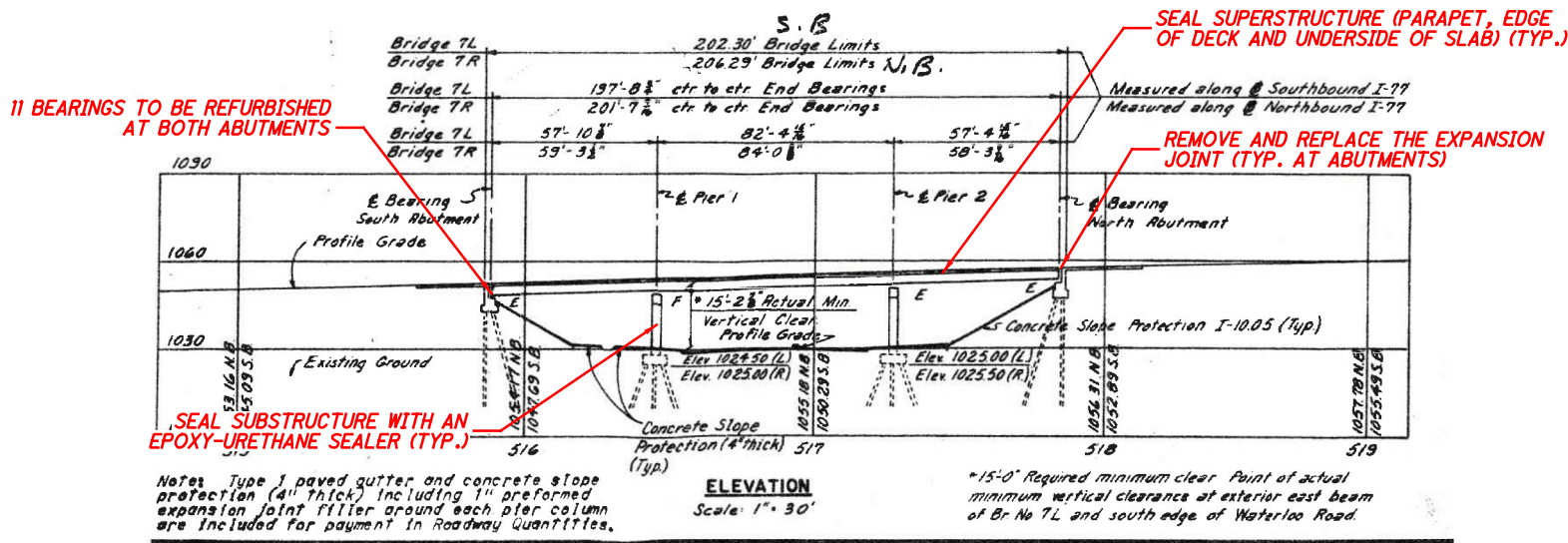
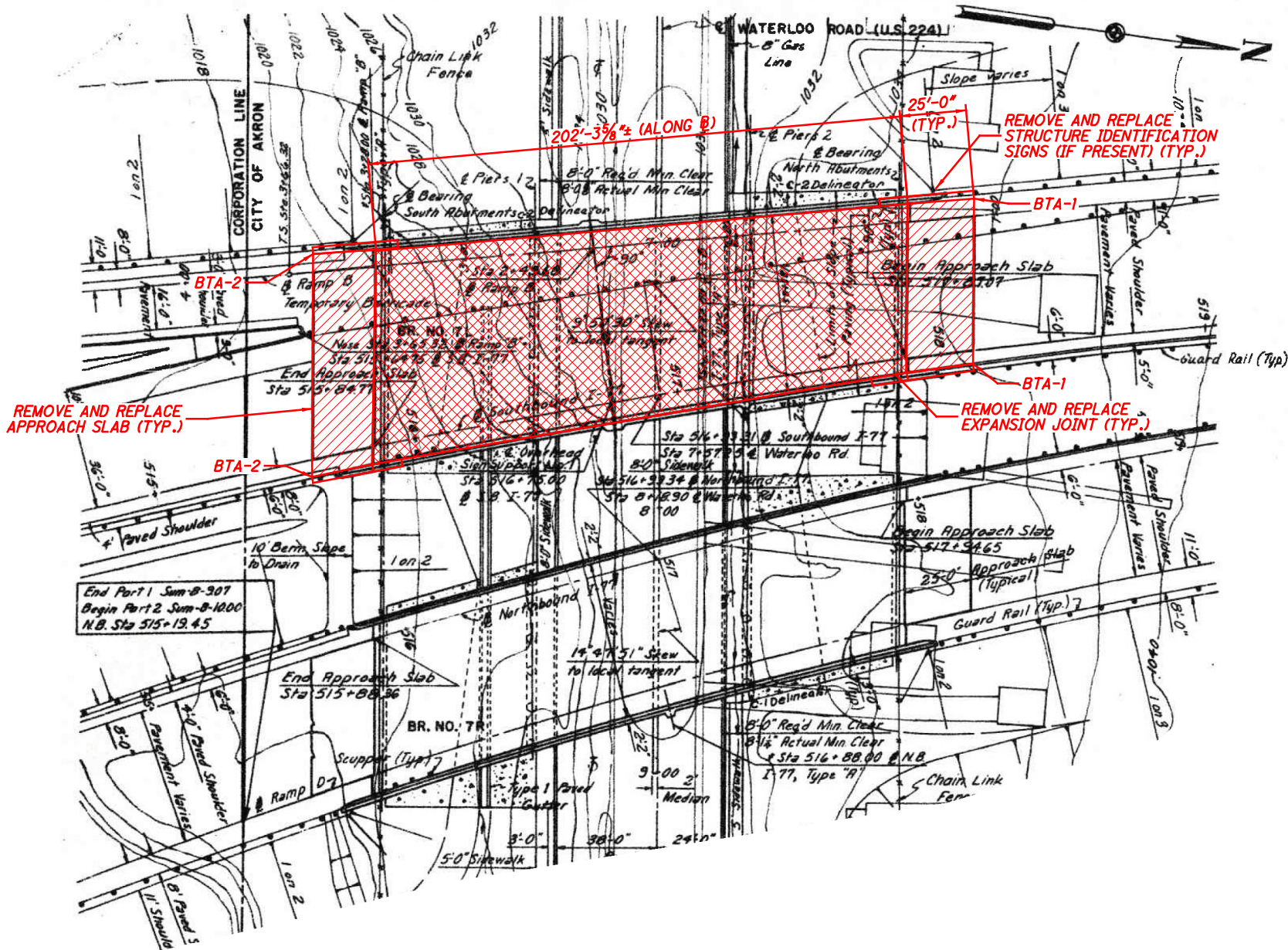


1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH TWO OR THREE LETTERS OR NUMBERS THAT IDENTIFY THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.

EXAMPLE: SA1001
SA = SUPERSTRUCTURE BAR
10 = #10 BAR
01 = BAR SEQUENCE NUMBER 1
3. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS OTHERWISE INDICATED.
4. STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
5. RAD INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
6. INCR. INDICATES THE LENGTH INCREMENT FOR SERIES BARS.
7. STD. WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF A BAR.
8. FIELD BEND BARS AS NECESSARY TO MATCH CURVATURE OF ROADWAY.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

p:\v\ANV\A01PWINT01\parsons.com\Ohio State\Documents\B-Akron Beltway Rehab\10 - Design\102329\Structures\BU-15\Sheets\077_0975L_GP001.dgn Sheet 10/4/2021 2:52:39 PM KChrisman



LEGEND:

- LIMITS OF APPROACH SLAB REMOVAL AND REPLACEMENT
- LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON BRIDGE DECK

NOTES:

- FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
- FOR TRANSVERSE SECTION, SEE SHEET 3/8.
- FOR REMOVAL DETAILS, SEE SHEET 2/8.
- FOR EXPANSION JOINT DETAILS, SEE SHEET 4/8.
- FOR APPROACH SLAB DETAILS, SEE SHEETS 5/8 THRU 7/8.

EXISTING STRUCTURE

TYPE: THREE SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 57'-10¹/₈" ±, 82'-4¹/₈" ±, 57'-4¹/₈" ± C/C BEARINGS

ROADWAY: VARIES

LOADING: HS 20-44 (CASE 1) AND ALTERNATE MILITARY LOADING

WEARING SURFACE: 1.2" ± MONOLITHIC

SKIEW: VARIES

APPROACH SLABS: 25'-0" ± LONG (AS-I-54)

ALIGNMENT: 2°00'00" ± RIGHT

SUPERELEVATION: NONE

COORDINATES: LATITUDE 41°01'45" ± N
LONGITUDE 81°30'18" ± W

2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN

BRIDGE NO. SUM-77-0975L
I-77 SB OVER WATERLOO ROAD

SUMMIT COUNTY

STA. 515+84.77±
STA. 517+87.07±

DESIGN AGENCY

PRIME

4445 State Rd. Suite 300
Columbus, Ohio 43231

DATE

6/18/21

REVIEWED

SAN

STRUCTURE FILE NUMBER

7702701

DRAWN

KDC

CHECKED

JAT

PID No.

102329

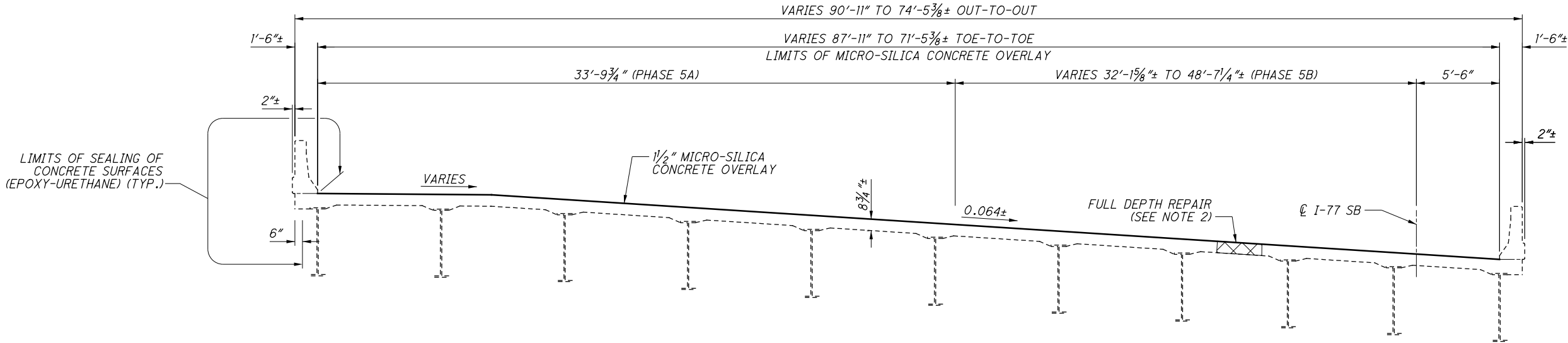
8-24/9.74/0.00

1/8

41/65

ISSUE RECORD:	
NO.	DESCRIPTION

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TRANSVERSE SECTION

LEGEND:

 - LIMITS OF FULL DEPTH REPAIR

NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET 7/65.
- PROVIDE NEW MICRO-SILICA CONCRETE OVERLAY MATCHING THE CURRENT EXISTING DECK ELEVATION.

DESIGN AGENCY PRIME 8415 Pulaski Place Suite 300 Columbus Ohio 43231		REVIEWED	DATE
		SAN	6/18/21
TRANSVERSE SECTION BRIDGE NO. SUM-77-0975L I-77 SB OVER WATERLOO ROAD		DRAWN	KDC
		CHECKED	JAT
SUM-76/77/8-8.24/9.74/0.00		STRUCTURE FILE NUMBER 7702701	
PID No. 102329			
3 / 8			
43 65			



2026-03-24 - BU-15 - RECORD DRAWING PLANS

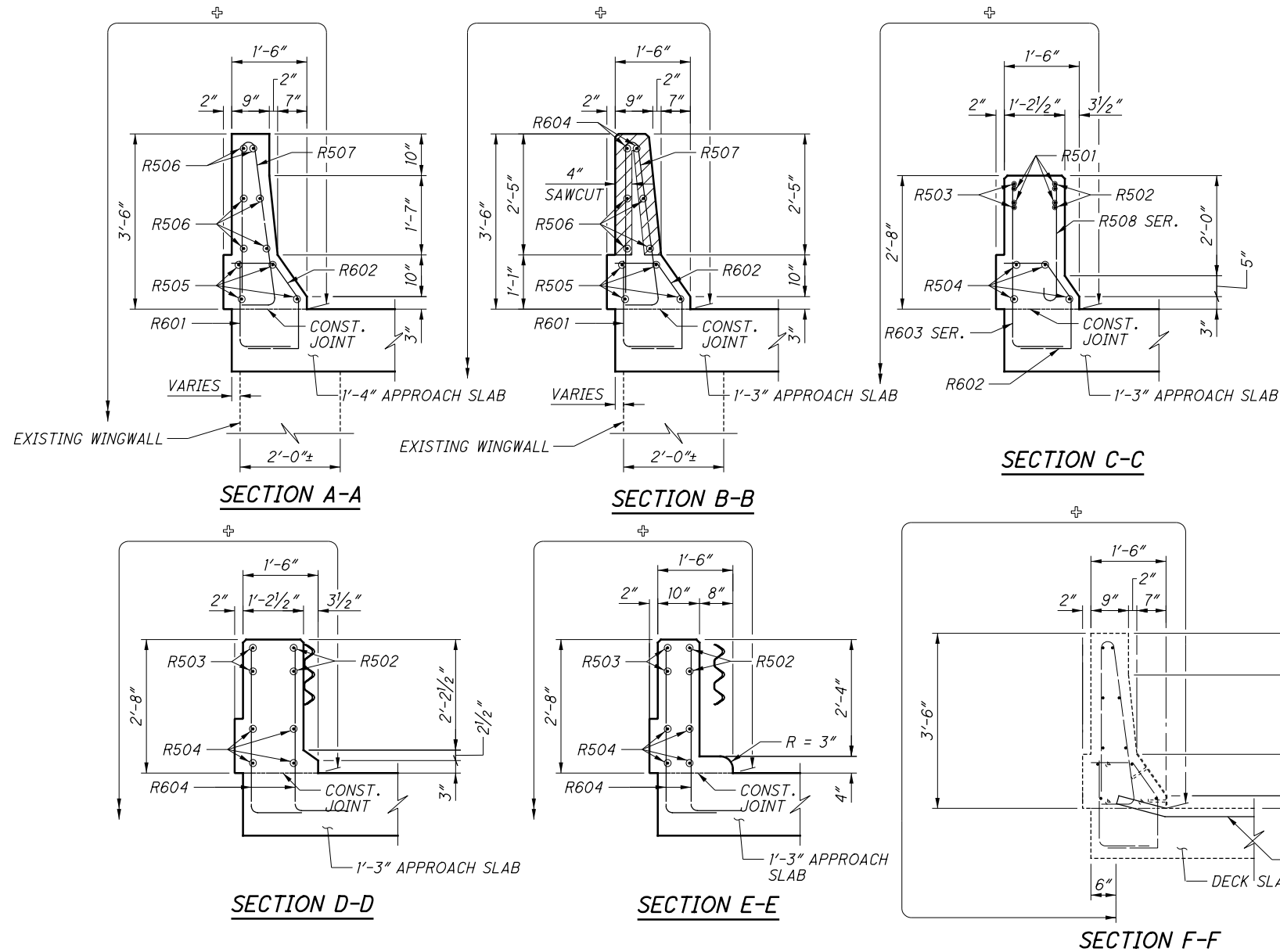


DIMENSION E

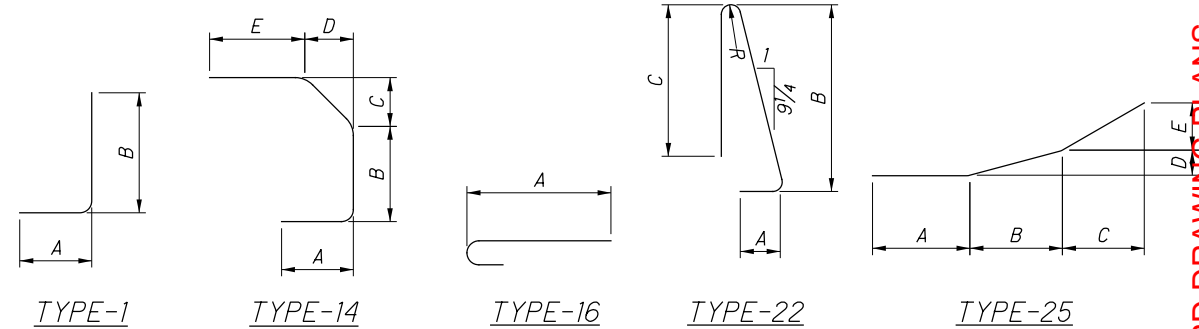


(RIGHT CORNER OF REAR ABUTMENT SHOWN, OTHER SIMILAR)

1. FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. EXJ-4-87.
2. FOR PARAPET DETAILS, SEE SHEET 7/8.
3. FOR REINFORCING LIST, SEE SHEET 8/8.
4. CHIP AWAY PORTION OF EXISTING BRIDGE DECK TO REMOVE AND REPLACE JOINT ANGLE AND EXTRUSION.



MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
APPROACH SLAB PARAPET											
R501	16	10'-0"	167	STR							
R502	8	5'-8"	47	25	1'-10"	2'-5"	1'-4"	1½"	5"		
R503	8	5'-8"	47	STR							
R504	16	13'-10"	231	STR							
R505	16	11'-6"	192	STR							
R506	4	8'-10"	37	STR							
R507	48	6'-11"	346	22	8"	3'-0"	3'-3"		2"		
	4 SR	3'-0"			2'-4 ½"						
R508	OF	TO	171	16	TO						¾"
	12	3'-10"			3'-3"						
R509	8	9'-4"	78	STR							
R510	4	9'-2"	38	STR							
R511	32	11"	31	STR							
R601	48	2'-7"	186	1	1'-0"	1'-9"					
R602	96	3'-3"	469	14	7"	6"	8 ½"	1'-0"	1'-2"		
	4 SR	4'-1"				3'-3"					
R603	OF	TO	327	1	1'-0"	TO					¾"
	12	5'-0"				4'-1 ½"					
R604	12	4'-1"	74	1	1'-0"	3'-3"					
SUB-TOTAL			2,441								



⊕ - LIMITS OF SEALING (EPOXY-URETHANE). SEAL ENTIRE SURFACE DOWN TO THE PROPOSED GROUND LINE

1. FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. BR-1-13.
2. CLEAR DISTANCE FROM THE EDGE OF CONCRETE TO THE FACE OF REINFORCING STEEL SHALL BE 2" UNLESS NOTED OTHERWISE.
3. FOR REINFORCING STEEL NOTES, SEE SHEET 8 / 8.

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 5A	PHASE 5B	TOTAL				A	B	C	D	E	R	INC
REAR APPROACH SLAB													
AS501	32		32	24'-0"	801	STR							
AS502	3	25	28	24'-5"	713	STR							
AS503	65	65	130	30'-0"	4068	STR							
	1 SR		1 SR	21'-7"									
*AS504	OF		OF	TO	433	STR							2"
	18		18	24'-7"									
	1 SR		1 SR	21'-7"									
*AS505	OF		OF	TO	942	STR							1"
	39		39	24'-9"									
AS506		65	65	8'-10"	599	STR							
AS507	8		8	24'-2"	202	STR							
AS508	52		52	7'-6"	407	STR							
AS509	1	36	37	7'-8"	296	STR							
AS1001	81		81	25'-5"	8859	16	24'-0"						
AS1002	8	61	69	25'-10"	7670	16	24'-5"						
SUB-TOTAL					24,990								

* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 5A	PHASE 5B	TOTAL				A	B	C	D	E	R	INC
REAR ABUTMENT BACKWALL													
BW501	49	37	86	4'-6"	404	3	11"	1'-0"					
BW502	1	1	2	30'-0"	63	STR							
*BW503	1		1	20'-6"	21	STR							
BW504	NOT USED												
BW505		1	1	8'-3"	9	STR							
BW506	NOT USED												
SUB-TOTAL					497								

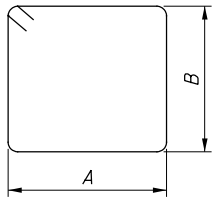
* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED

[illegible]

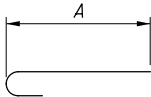
* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 5A	PHASE 5B	TOTAL				A	B	C	D	E	R	INC
FORWARD ABUTMENT BACKWALL													
BW501	33	36	69	4'-6"	324	3	11"	1'-0"					
BW502	1	1	2	30'-0"	63	STR							
BW503	NOT USED												
*BW504	1		1	4'-2"	4	STR							
BW505	NOT USED												
BW506		1	1	7'-9"	8	STR							
SUB-TOTAL					399								

* - INDICATES MECHANICAL CONNECTOR SHALL BE ATTACHED



TYPE-3



TYPE-16

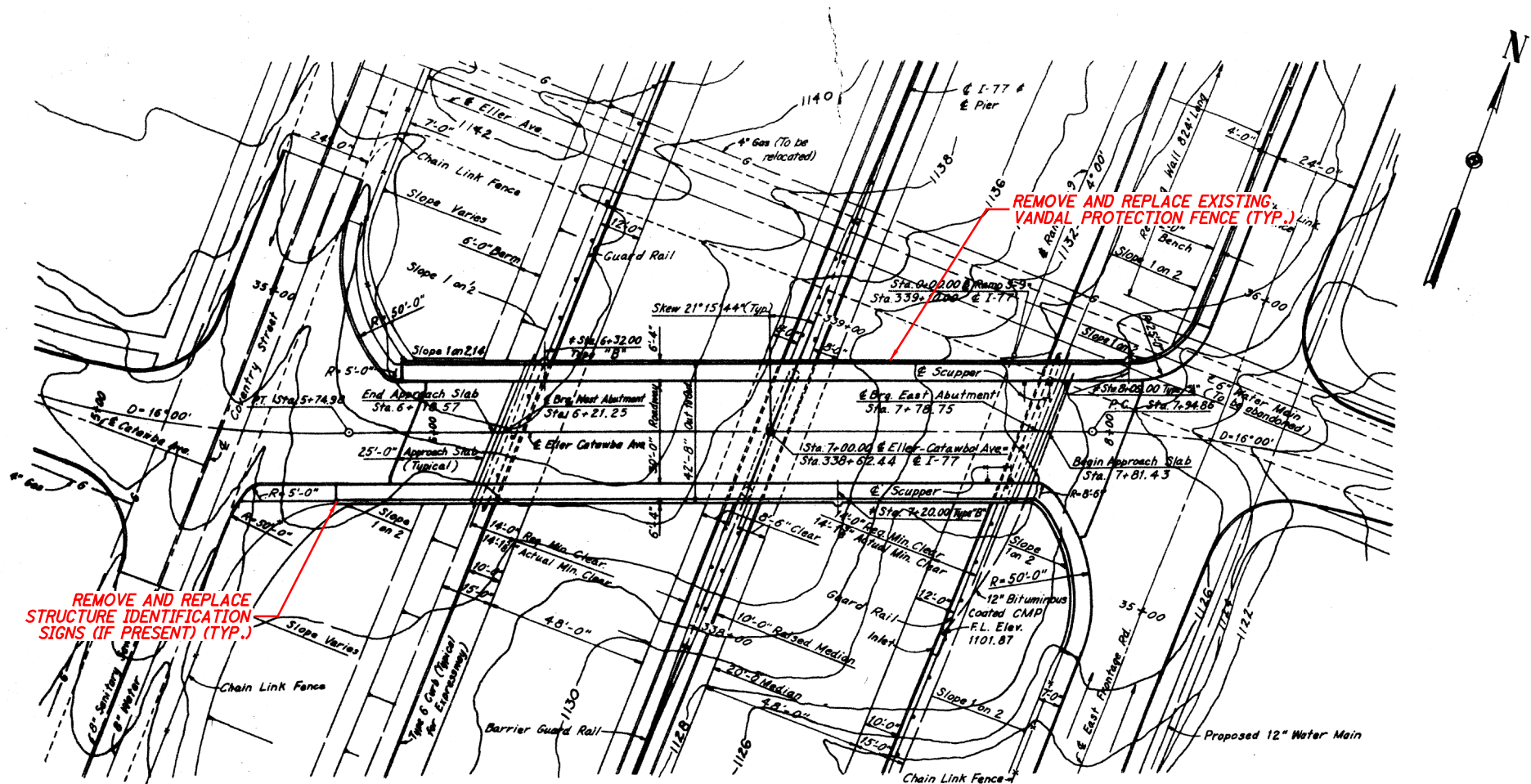
NOTES:

1. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
2. BAR SIZE: THE BAR SIZE IS INDICATED IN THE BAR MARK. THE MARK BEGINS WITH TWO OR THREE LETTERS OR NUMBERS THAT IDENTIFY THE BAR LOCATION. THE NEXT ONE OR TWO DIGITS INDICATE THE BAR SIZE, AND THE REMAINING TWO DIGITS ARE THE SEQUENCE NUMBER.

EXAMPLE: SA1001
SA = SUPERSTRUCTURE BAR
10 = #10 BAR
01 = BAR SEQUENCE NUMBER 1
3. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT UNLESS OTHERWISE INDICATED.
4. STR. IN THE BAR TYPE COLUMN INDICATES A STRAIGHT BAR.
5. RAD INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
6. INCR. INDICATES THE LENGTH INCREMENT FOR SERIES BARS.
7. STD. WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF A BAR.
8. FIELD BEND BARS AS NECESSARY TO MATCH CURVATURE OF ROADWAY.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

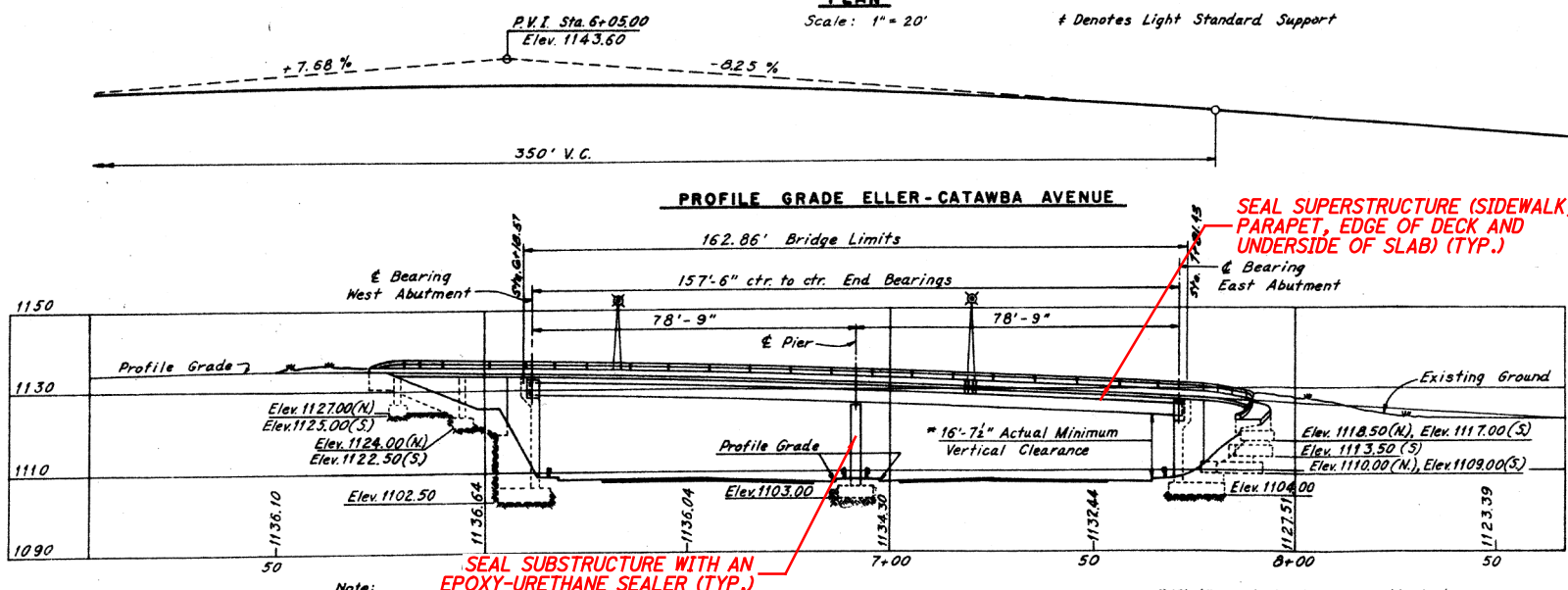
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REMOVE AND REPLACE
STRUCTURE IDENTIFICATION
SIGNS (IF PRESENT) (TYP.)

REMOVE AND REPLACE EXISTING
VANDAL PROTECTION FENCE (TYP.)

PLAN
Scale: 1" = 20' † Denotes Light Standard Support



SEAL SUBSTRUCTURE WITH AN
EPOXY-URETHANE SEALER (TYP.)

SEAL SUPERSTRUCTURE (SIDEWALK,
PARAPET, EDGE OF DECK AND
UNDERSIDE OF SLAB) (TYP.)

ELEVATION
Scale: 1" = 20'

ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

- NOTES:
1. FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
 2. FOR TRANSVERSE SECTION, SEE SHEET **9/65**.

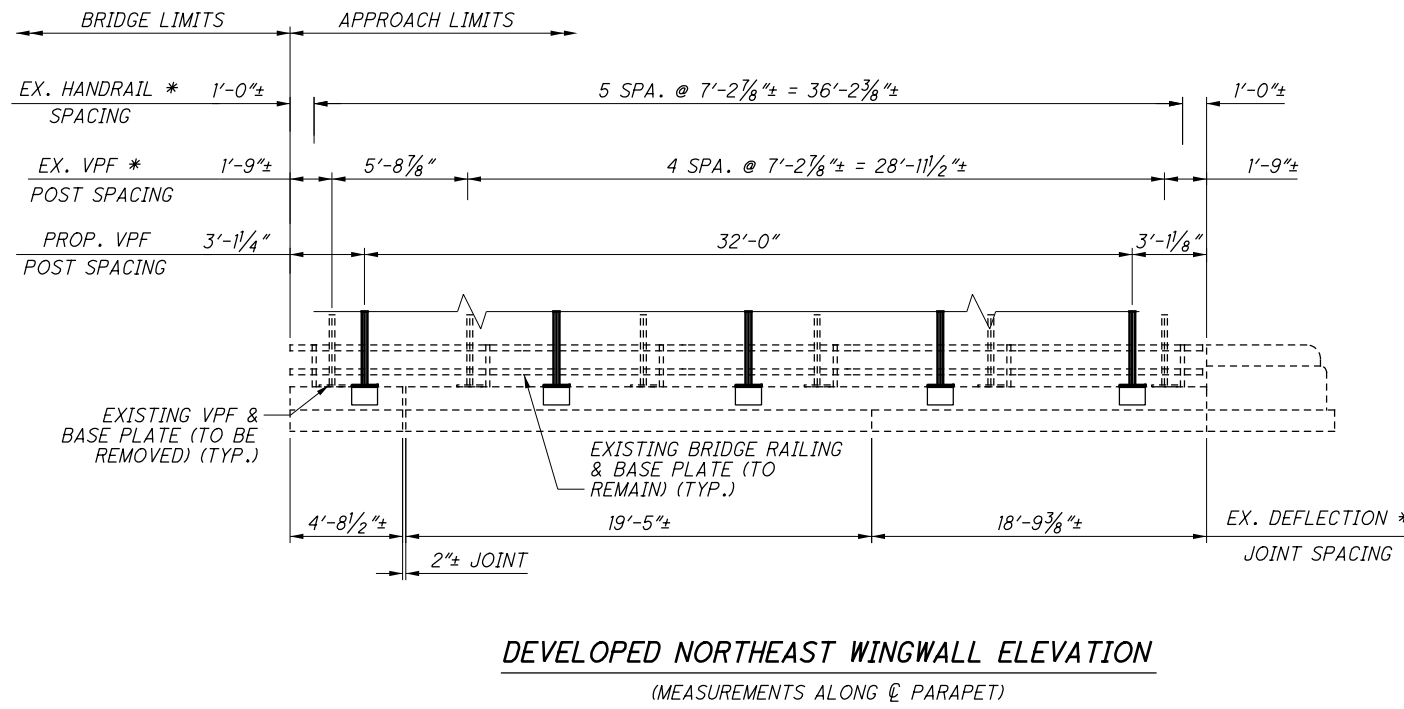
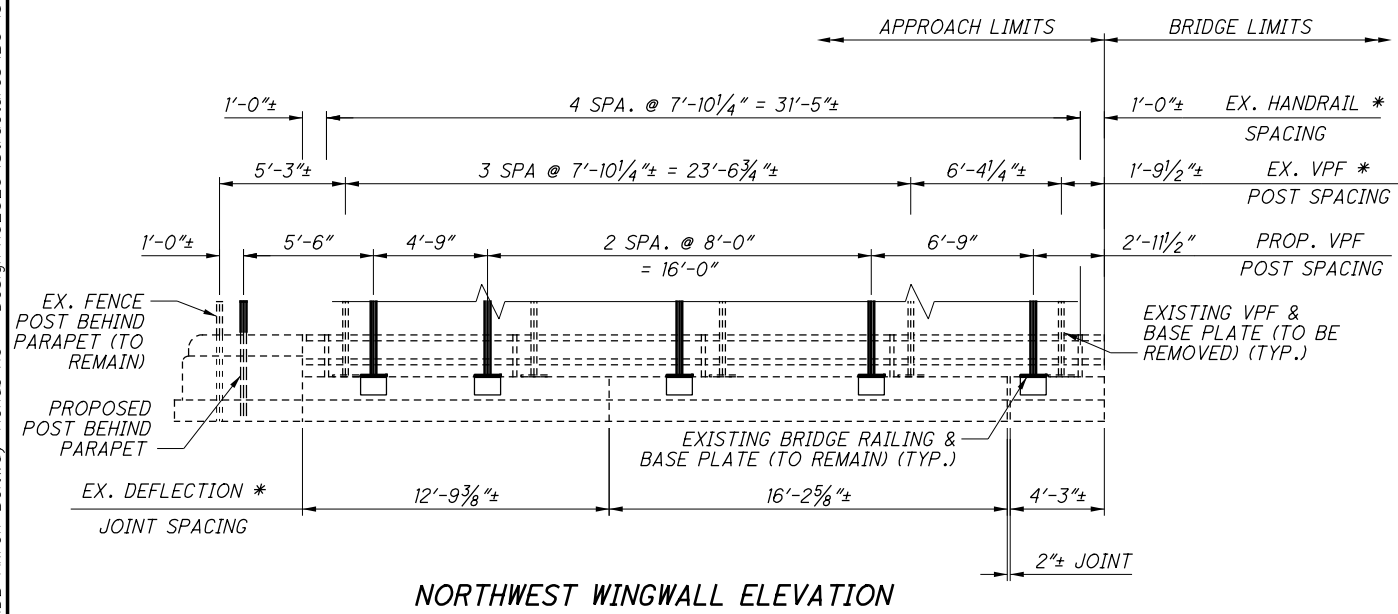
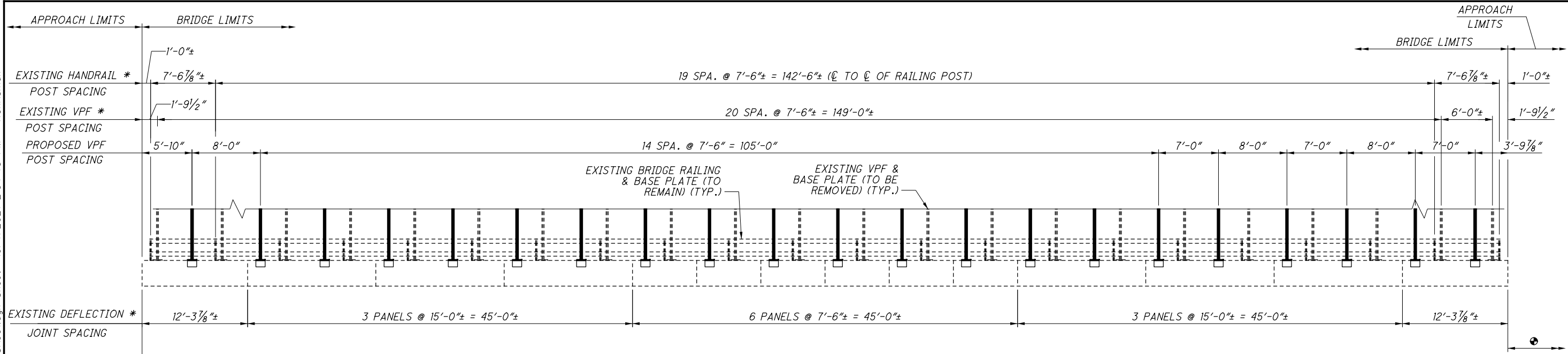
EXISTING STRUCTURE	
TYPE: TWO SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 78'-9"±, 78'-9"± C/C BEARINGS	
ROADWAY: 30'-0"± F/F OF CURBS WITH TWO 5'-2"± SIDEWALKS	
LOADING: HS 20-44 (CASE II) AND ALTERNATE MILITARY LOADING	
WEARING SURFACE: 1"± MONOLITHIC	
SKEW: 21°15'44"± LEFT FORWARD	
APPROACH SLABS: 25'-0"± LONG (AS-I-54)	
ALIGNMENT: TANGENT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°02'09"± N LONGITUDE 81°30'18"± W	

2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
BRIDGE NO. SUM-77-1022		STA. 6+18.57±		KDC		KDC		SAN		6/18/21		PRIME	
CATAWBA AVE OVER I-77		STA. 7+81.43±		JAT		JAT		7702160		7702160		PRIME	
PID No. 102329		SUM-76/77/8-8.24/9.74/0.00		49		65		49		65		PRIME	

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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- LEGEND:**
- * - EXISTING DEFLECTION JOINT AND POST LOCATIONS TAKEN FROM ORIGINAL PLANS.
 - - SEE NORTHEAST WINGWALL
- NOTES:**
- FOR INFORMATION NOT SHOWN REFER TO SCD VPF-1-90.
 - FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

SUM-76/77/8-8.24/9.74/0.00

PID No. 102329

VANDAL PROTECTION FENCE DETAILS (1 OF 2)

BRIDGE NO. SUM-77-1022

CATAWBA AVE OVER I-77

DESIGN AGENCY

PRIME

6450 BAKER BLVD

COLUMBUS, OHIO 43231

DATE

6/18/21

REVIEWED

SAN

STRUCTURE FILE NUMBER

7702760

DRAWN

HM

REVIS

DESIGNED

HM

CHECKED

KDC

2

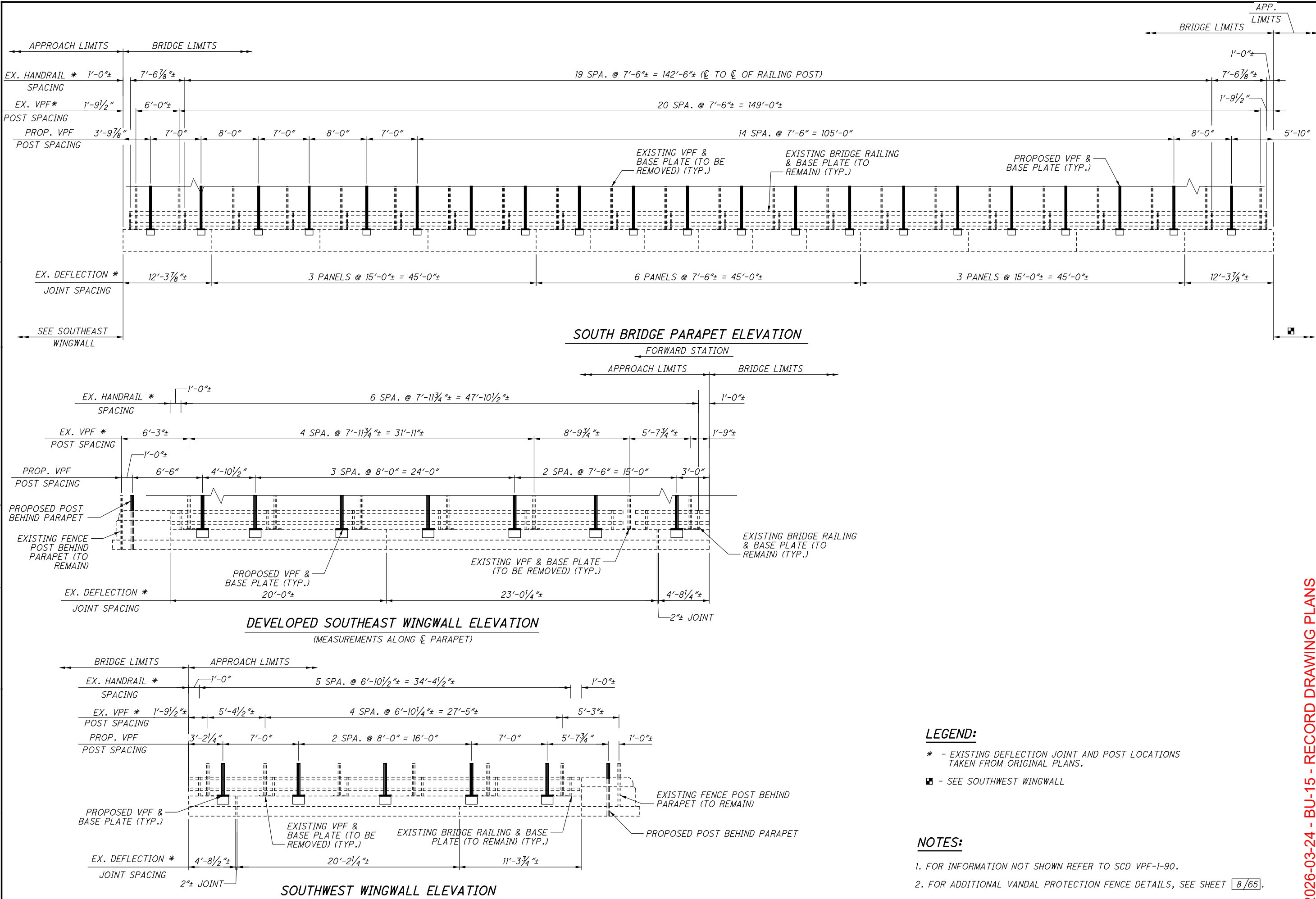
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ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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LEGEND:

- * - EXISTING DEFLECTION JOINT AND POST LOCATIONS TAKEN FROM ORIGINAL PLANS.
- - SEE SOUTHWEST WINGWALL

NOTES:

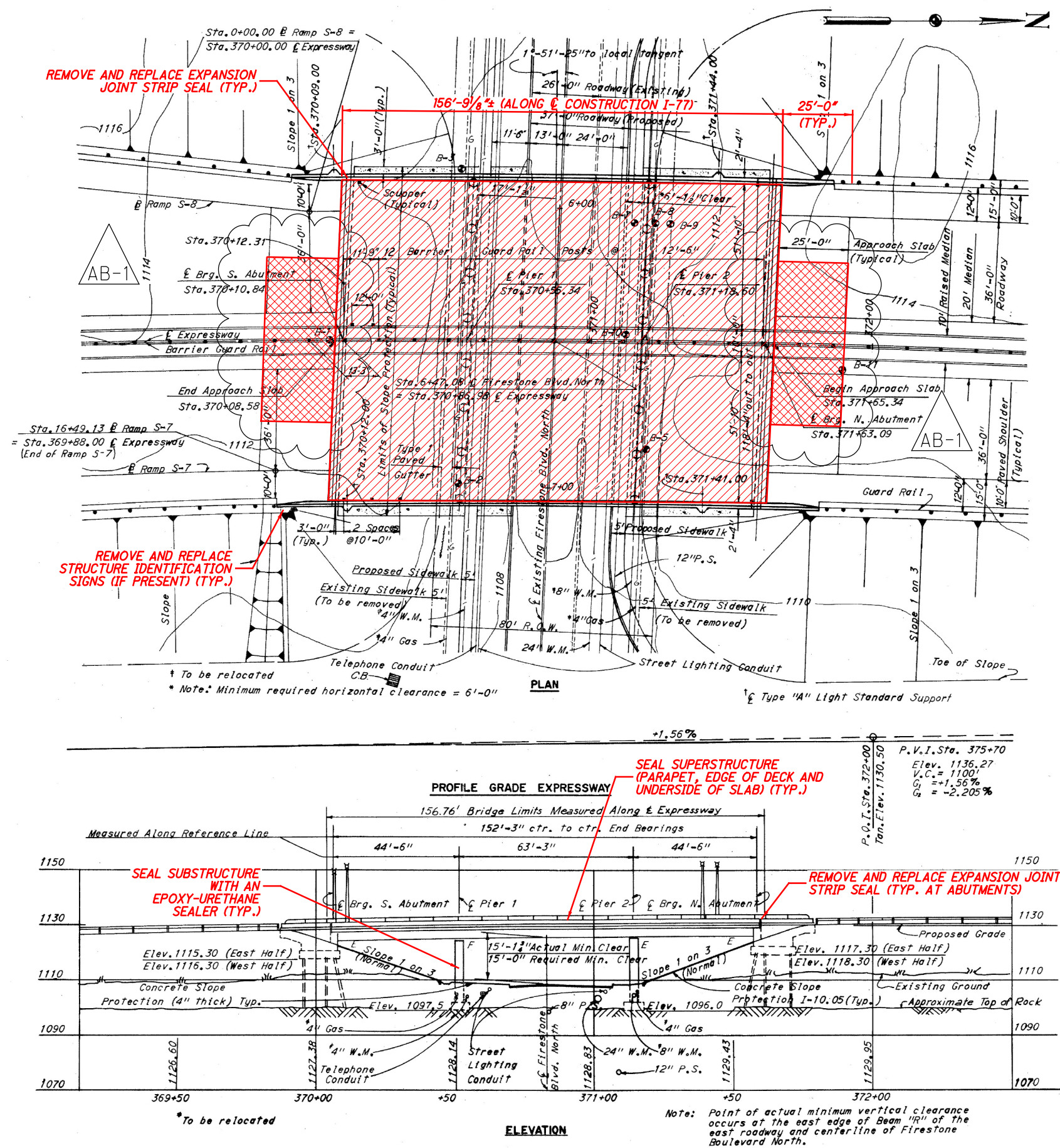
1. FOR INFORMATION NOT SHOWN REFER TO SCD VPF-1-90.
2. FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 845 Pulsar Place, Suite 300 Columbus, Ohio 43231		REVIEWED	DATE
		SAN	6/18/21
VANDAL PROTECTION FENCE DETAILS (2 OF 2)		DRAWN	
		HM	
BRIDGE NO. SUM-77-1022 CATAWBA AVE OVER I-77		CHECKED	FILE NUMBER
		KDC	7702760
SUM-76/77/8- 8.24/9.74/0.00		PID No. 102329	
3 / 3			
51 65			

ISSUE RECORD:		DESCRIPTION
NO.	DATE	
AB-1	5/18/2026	SUM-77-1082 EX. APPROACH SLABS ARE PART WIDTH

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LEGEND:

- LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON BRIDGE DECK
- LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON APPROACH SLAB

ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

NOTES:

- FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
- FOR TRANSVERSE SECTION, SEE SHEET **2/3**.

EXISTING STRUCTURE

TYPE: THREE SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 44'-6"±, 63'-3"±, 44'-6"± C/C BEARINGS

ROADWAY: 55'-6"± F/F OF PARAPETS (NB)
55'-6"± F/F OF PARAPETS (SB)

LOADING: HS 20-44 (CASE I) AND ALTERNATE MILITARY LOADING

WEARING SURFACE: 3"± BITUMINOUS

SKEW: 1°51'25"± TO LOCAL TANGENT

APPROACH SLABS: 25'-0"± LONG (AS-I-54)

ALIGNMENT: 1°00'00"±

SUPERELEVATION: NONE

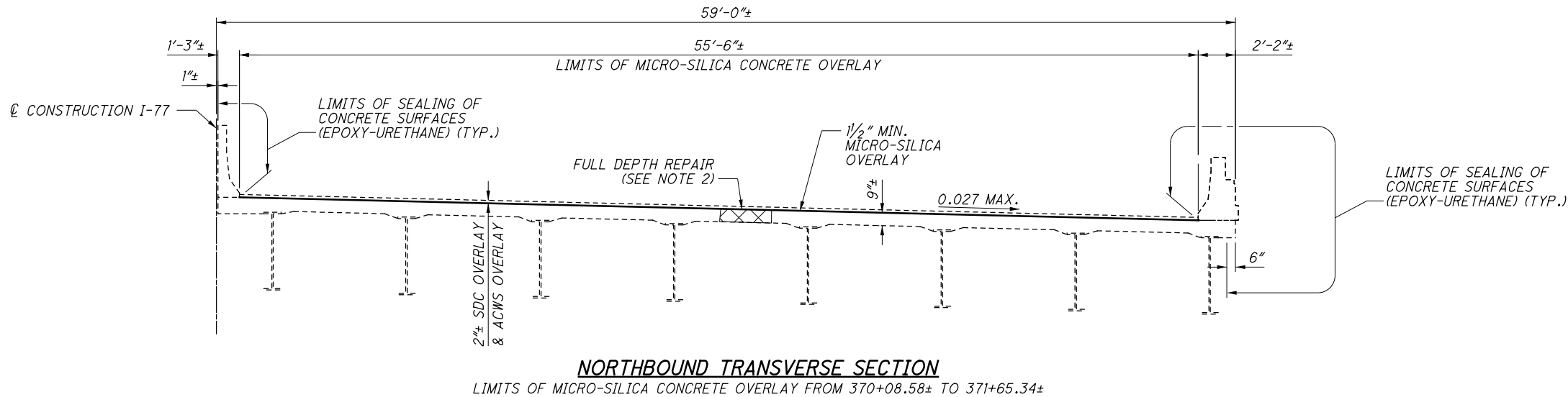
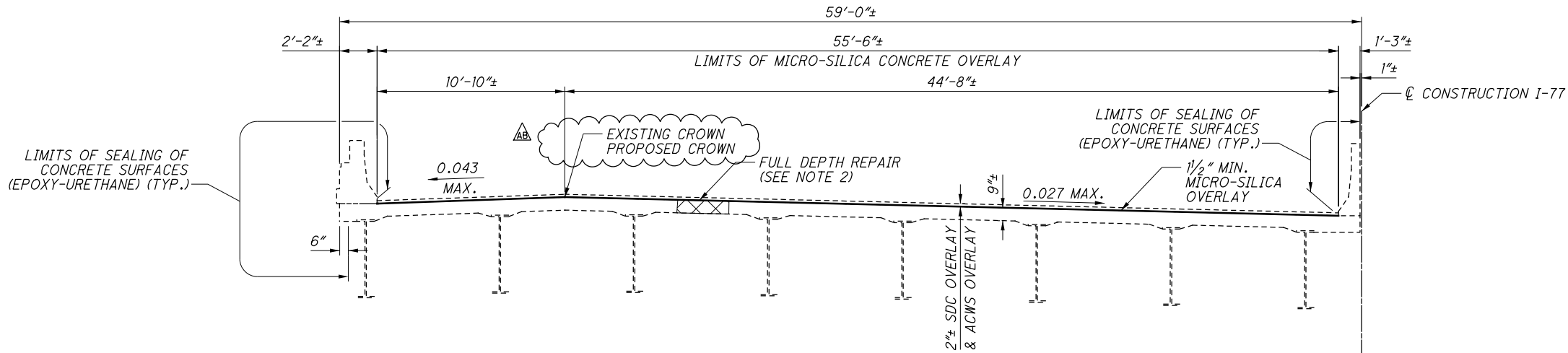
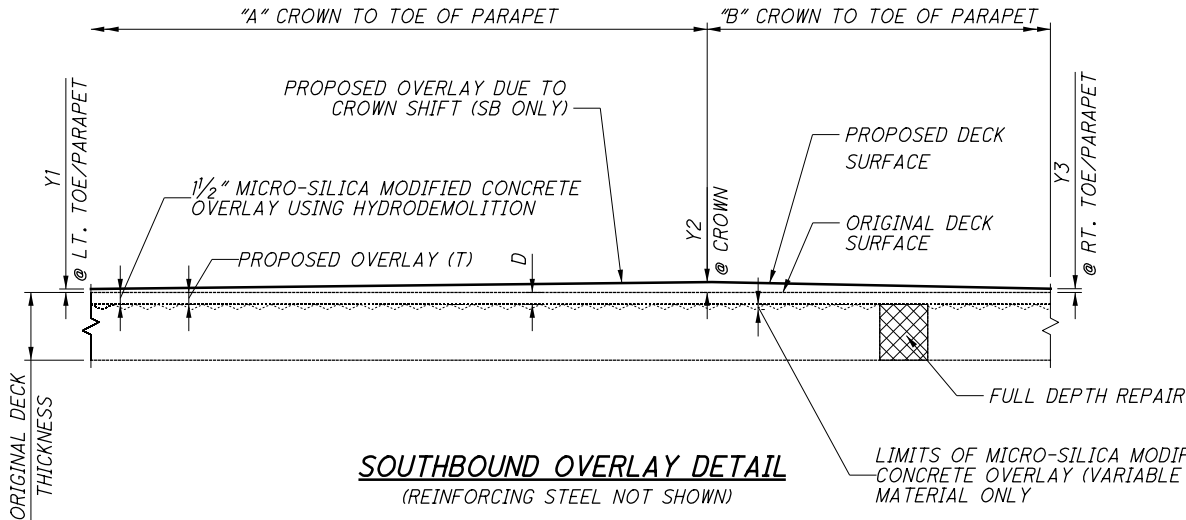
COORDINATES: LATITUDE 41°02'40"± N
LONGITUDE 81°30'20"± W

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME Statewide Office Columbus, Ohio 43231	DATE 6/18/21	SUMMIT COUNTY STA. 370+08.58± STA. 371+65.34±	GENERAL PLAN BRIDGE NO. SUM-77-1082 I-77 OVER FIRESTONE BLVD.	SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329
	REVIEWED SAN	DRAWN KDC	CHECKED JAT	1/3
	STRUCTURE FILE NUMBER 7702795	DESIGNED KDC	REVISOR JAT	52/65

ISSUE RECORD: BU-15 077_1082_TS001		
NO.	DATE	DESCRIPTION
AB	01-09-24	PROPOSED CROWN REVISION

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DECK OVERLAY TABLE						
LOCATION	OVERLAY THICKNESS			WIDTH		REMOVAL DEPTH
	Y1	Y2	Y3	A	B	
SUM-77-1082 (NB)	0"±	0"±	0"±	-	-	1 1/2"
SUM-77-1082 (SB)	3 1/2"±	4"±	0"±	5'-0"±	50'-6"±	1 1/2"

DIMENSIONS Y1, Y2 & Y3 ARE MEASURED FROM THE TOP OF THE UNIFORM OVERLAY FROM HYDRODEMOLITION TO THE PROPOSED DECK SURFACE REQUIRED TO SHIFT CROWN.

LEGEND:

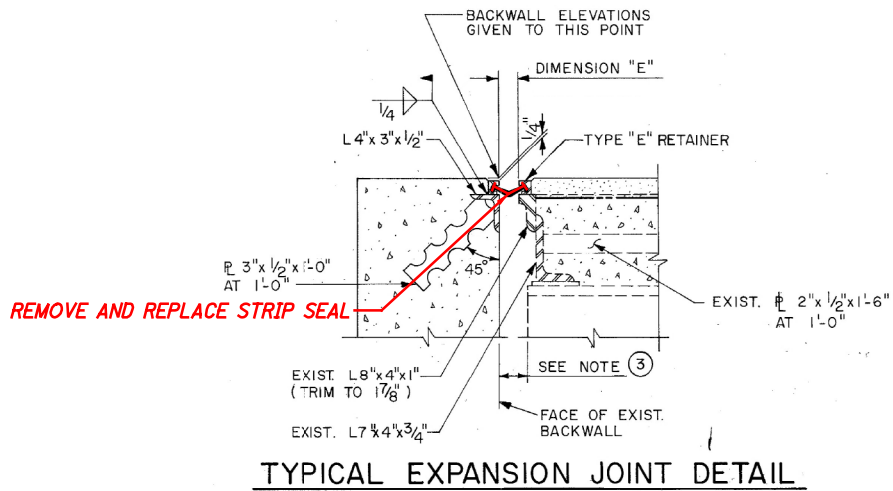
- LIMITS OF FULL DEPTH REPAIR

NOTES:

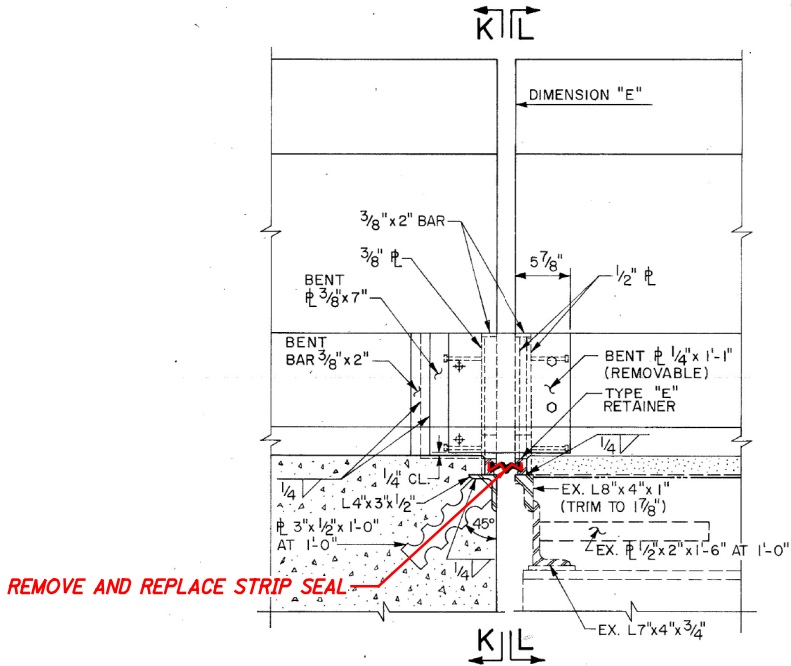
- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET 7/65.
- REMOVE EXISTING ASPHALT CONCRETE WEARING SURFACE (ACWS) & EXISTING CONCRETE OVERLAY. NEW OVERLAY TO MATCH EXISTING DECK CONCRETE OVERLAY ELEVATION, EXCEPT IN THE AREA OF CROWN ADJUSTMENT ON THE SOUTHBOUND DECK.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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TYPICAL EXPANSION JOINT DETAIL



PARAPET EXPANSION JOINT ELEVATION

DIMENSION "E"					
SUM - 77 - 10.82 over FIRESTONE BLVD.					
TEMPERATURE °F	50	60	70	80	90
NORTH ABUT.	2 1/16"	2"	1 5/16"	1 27/32"	1 3/4"
SOUTH ABUT.	2 1/32"	2"	1 31/32"	1 15/16"	1 29/32"

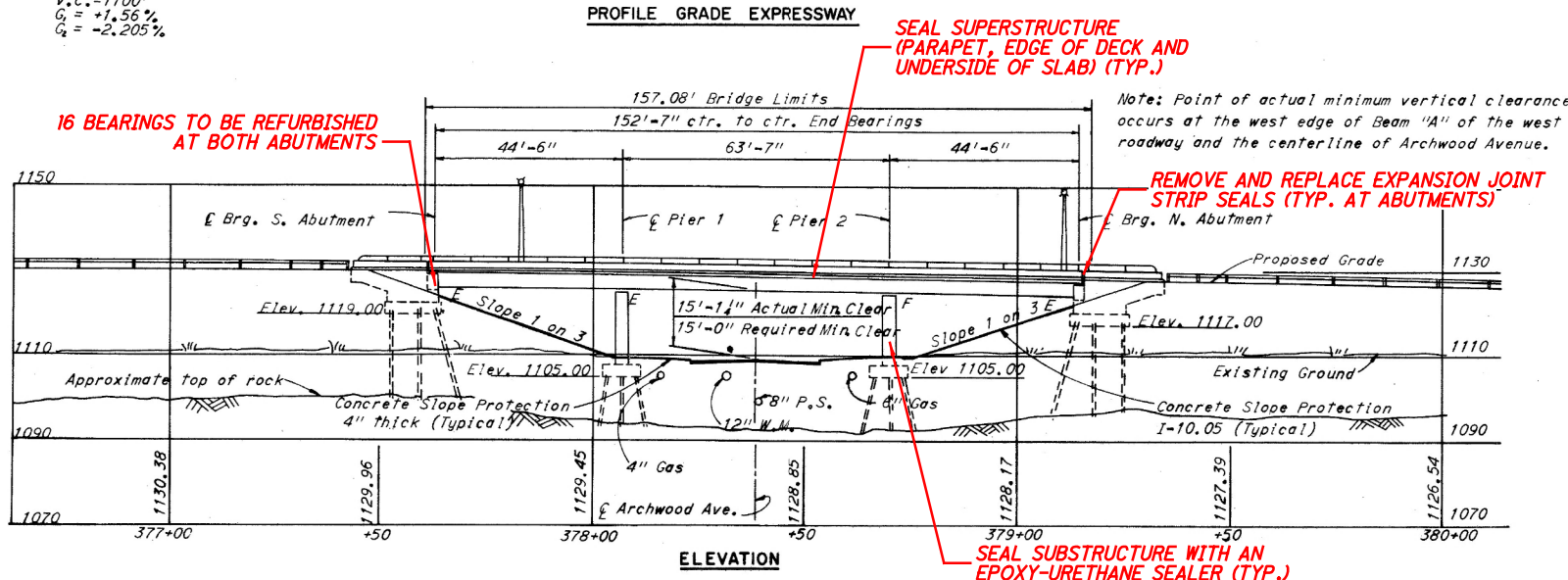
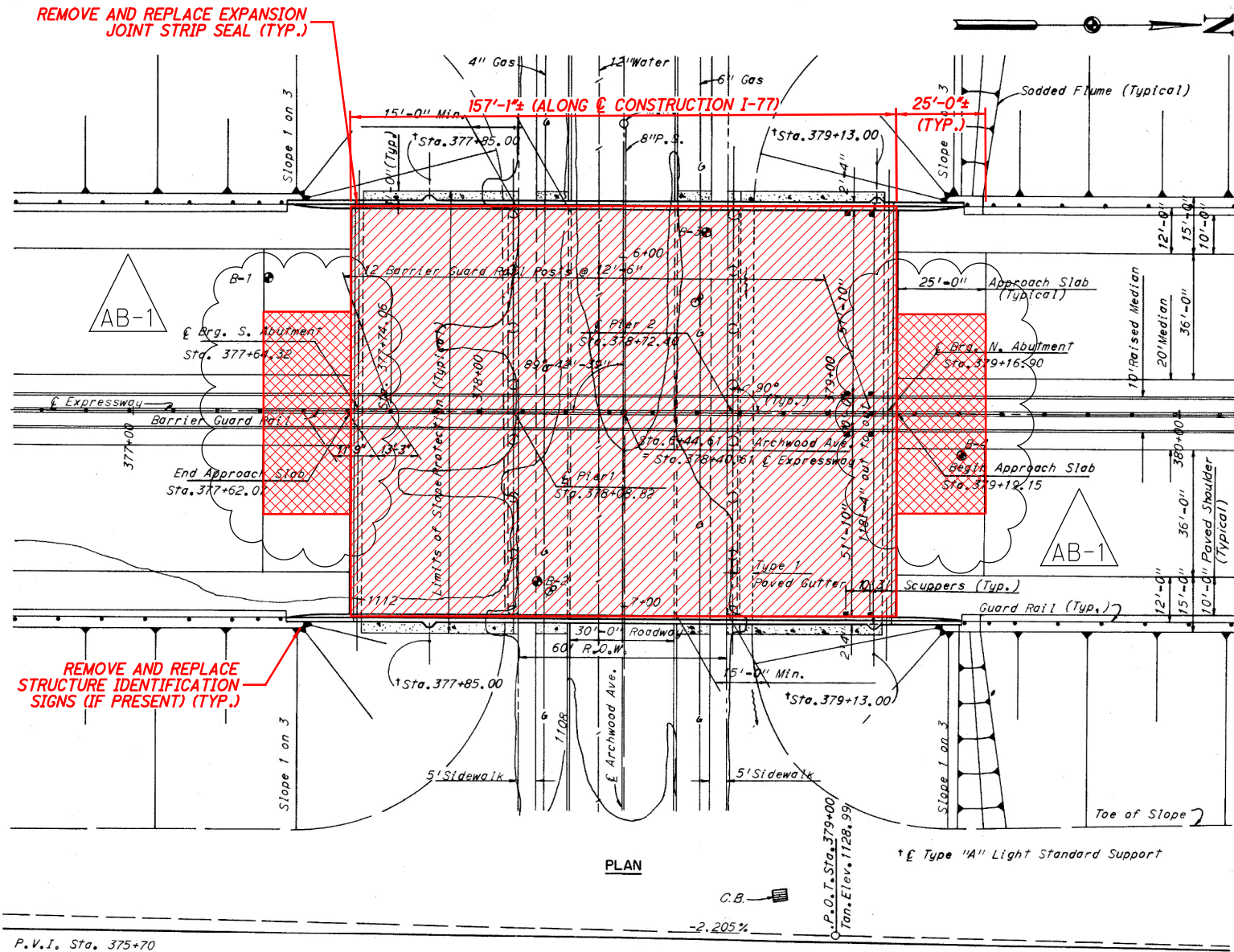
ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY. ONLY WORK TO BE PERFORMED AT ABUTMENTS IS THE STRIP SEAL REPLACEMENT

NOTES:

1. REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD ABUTMENTS.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	
AB-1	5/18/2026	SUM-77-1096 EX. APPROACH SLABS ARE PART WIDTH

p005631H 5/18/2026 12:34:39 PM p005631H



- LEGEND:**
- LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON BRIDGE DECK
 - LIMITS OF MICRO-SILICA CONCRETE OVERLAY ON APPROACH SLAB

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
 - FOR TRANSVERSE SECTION, SEE SHEET 2/3.

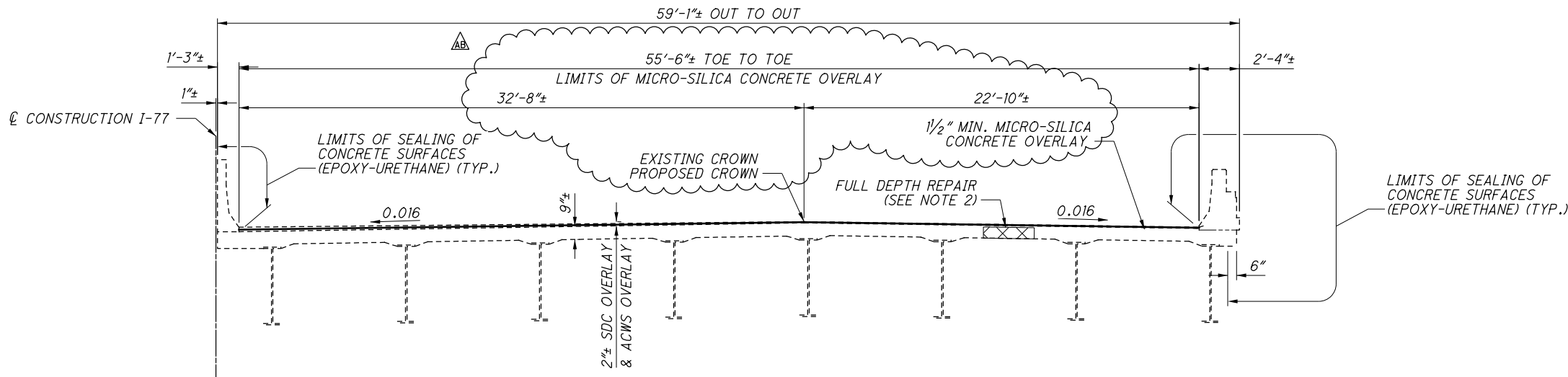
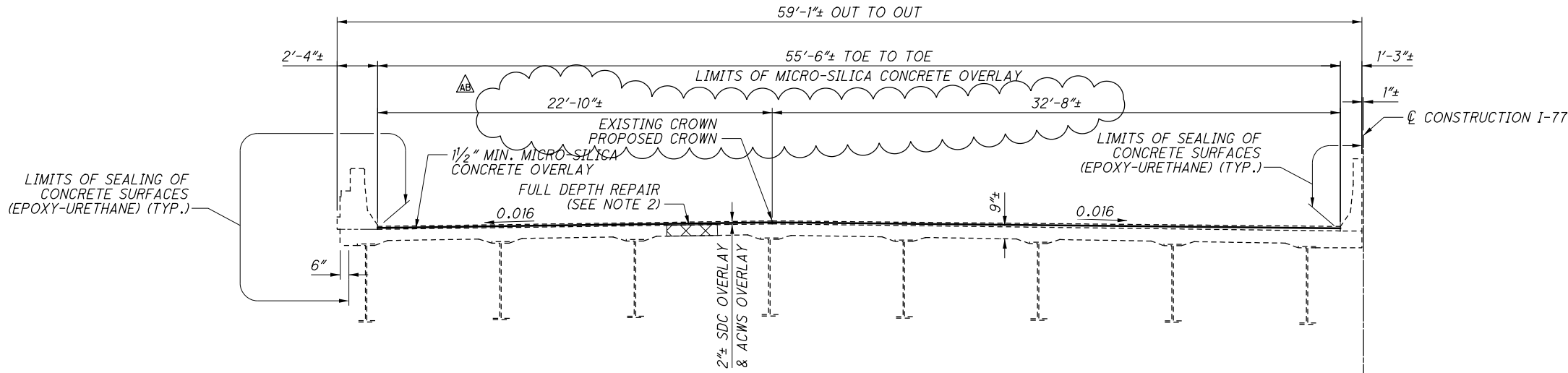
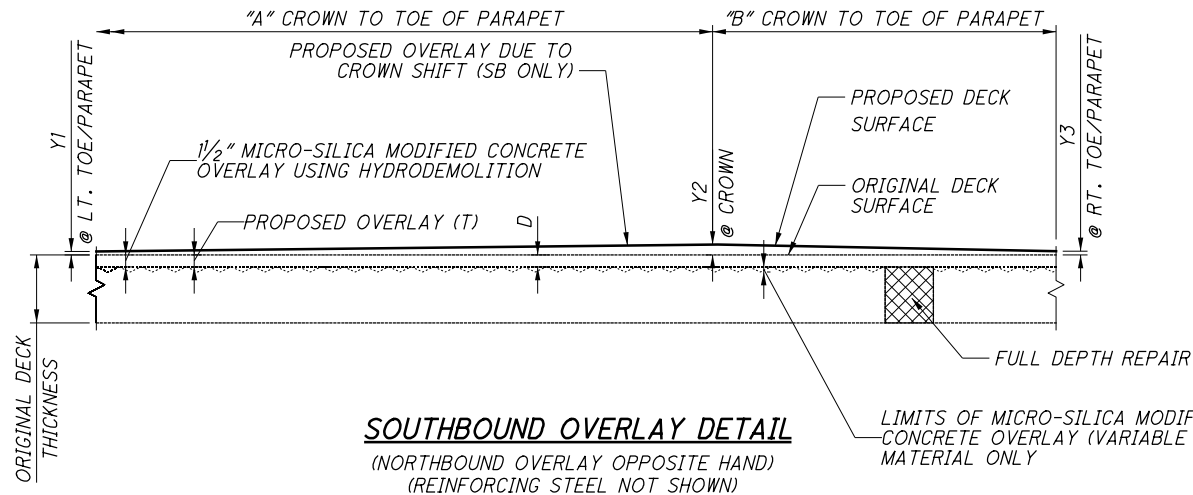
EXISTING STRUCTURE	
TYPE: THREE SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 44'-6"±, 63'-7"±, 44'-6"± C/C BEARINGS	
ROADWAY: 55'-0"± F/F OF PARAPETS (NB) 55'-0"± F/F OF PARAPETS (SB)	
LOADING: HS 20-44 (CASE I) AND ALTERNATE MILITARY LOADING	
WEARING SURFACE: 3"± BITUMINOUS	
SKEW: NONE	
APPROACH SLABS: 25'-0"± LONG (AS-1-54)	
ALIGNMENT: TANGENT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°02'48"± N LONGITUDE 81°30'20"± W	

2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
BRIDGE NO. SUM-77-1096		STA. 377+62.07±		KDC		KDC		SAN		6/18/21		PRIME	
I-77 OVER ARCHWOOD AVE.		STA. 379+19.15±		JAT		JAT		STRUCTURE FILE NUMBER		7702884		4445 State Rd. Suite 300	
												Columbus, Ohio 43221	

ISSUE RECORD: BU-15 077-1096-TS001		
NO.	DATE	DESCRIPTION
AB	01-09-24	PROPOSED CROWN REVISION

p005631H
2/28/2024 10:39:41 AM
p005631H
Design\102329\Structures\BU-15\Sheets\077-1096-TS001.dgn Sheet 2/28/2024 10:39:41 AM
pw:\V\ANV\A01PW\NT01\Parsons.com\Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-15\Sheets\077-1096-TS001.dgn Sheet 2/28/2024 10:39:41 AM



LOCATION	DECK OVERLAY TABLE					
	OVERLAY THICKNESS			WIDTH		REMOVAL DEPTH
	Y1	Y2	Y3	A	B	D
SUM-77-1096 (NB)	0"±	7/8"±	0"±	27'-11 1/4"±	27'-6 3/4"±	1 1/2"
SUM-77-1096 (SB)	0"±	7/8"±	0"±	27'-6 3/4"±	27'-11 1/4"±	1 1/2"

DIMENSIONS Y1, Y2 & Y3 ARE MEASURED FROM THE TOP OF THE UNIFORM OVERLAY FROM HYDRODEMOLITION TO THE PROPOSED DECK SURFACE REQUIRED TO SHIFT CROWN.

LEGEND:

- LIMITS OF FULL DEPTH REPAIR

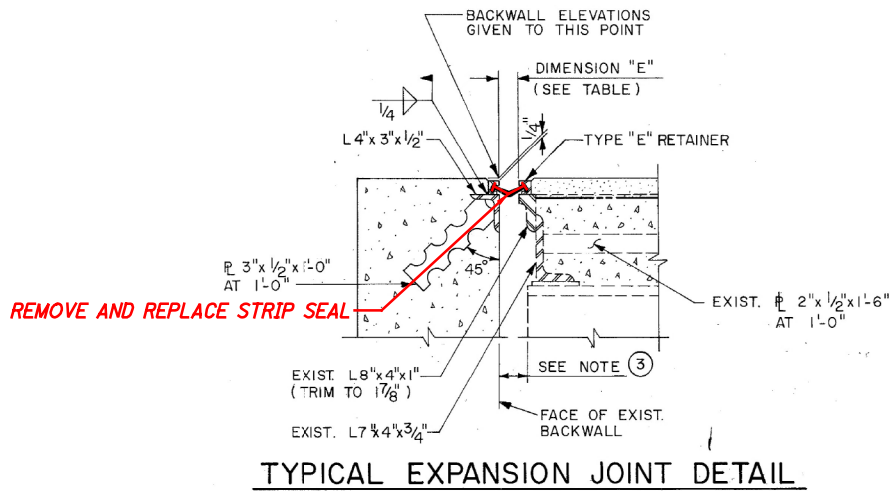
NOTES:

- FOR GENERAL NOTES, SEE SHEETS 3/65 THRU 7/65.
- PERFORM FULL DEPTH REPAIR OF THE DECK AT THE AREAS DESIGNATED BY THE ENGINEER. FOR ADDITIONAL NOTES, SEE SHEET 7/65.
- REMOVE EXISTING ASPHALT CONCRETE WEARING SURFACE (ACWS) & EXISTING CONCRETE OVERLAY. NEW OVERLAY TO MATCH EXISTING DECK CONCRETE OVERLAY ELEVATION, EXCEPT IN THE AREA OF THE CROWN ADJUSTMENT.

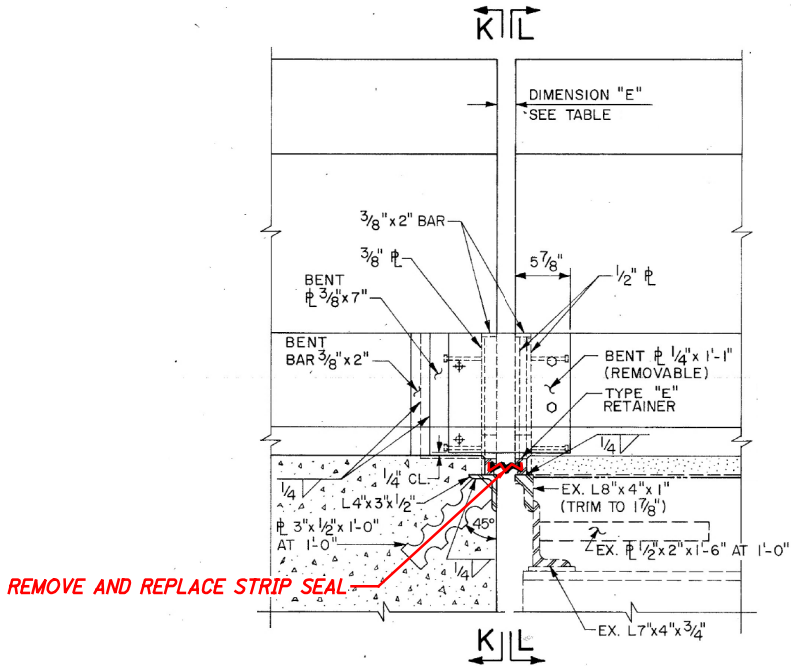
ISSUE RECORD:	
NO.	DATE

DESCRIPTION

NO. DATE



TYPICAL EXPANSION JOINT DETAIL



PARAPET EXPANSION JOINT ELEVATION

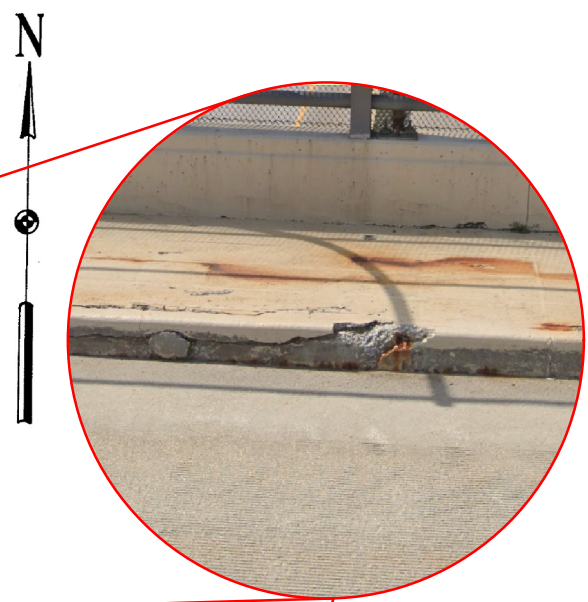
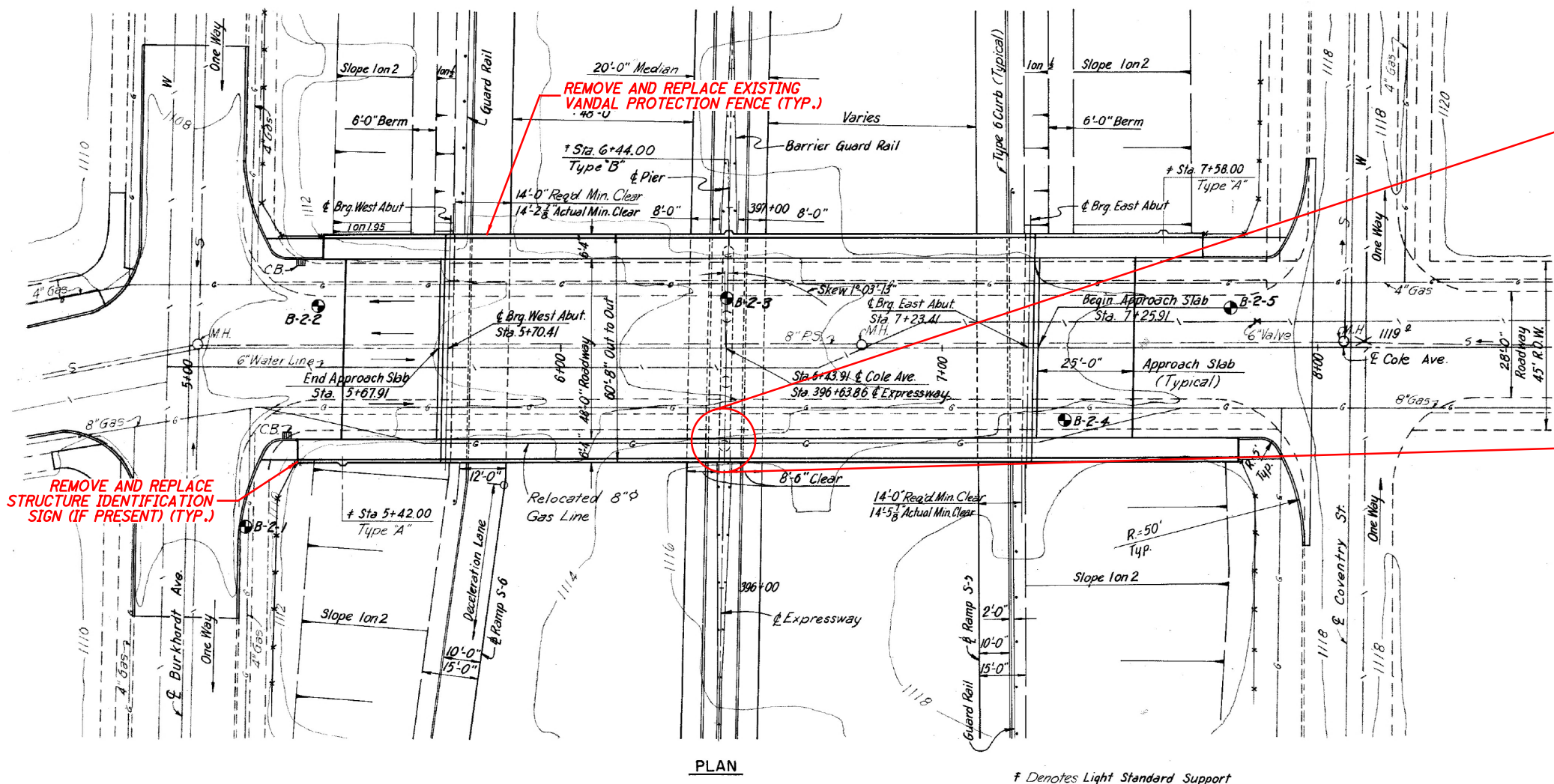
DIMENSION "E"					
SUM-77-10.96 over ARCHWOOD AVE.					
TEMPERATURE °F	50	60	70	80	90
NORTH ABUT.	2 1/16"	2"	1 5/16"	1 27/32"	1 3/4"
SOUTH ABUT.	2 1/32"	2"	1 31/32"	1 5/16"	1 29/32"

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY. ONLY WORK TO BE PERFORMED AT ABUTMENTS IS THE STRIP SEAL REPLACEMENT

- NOTES:
1. REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD ABUTMENTS.

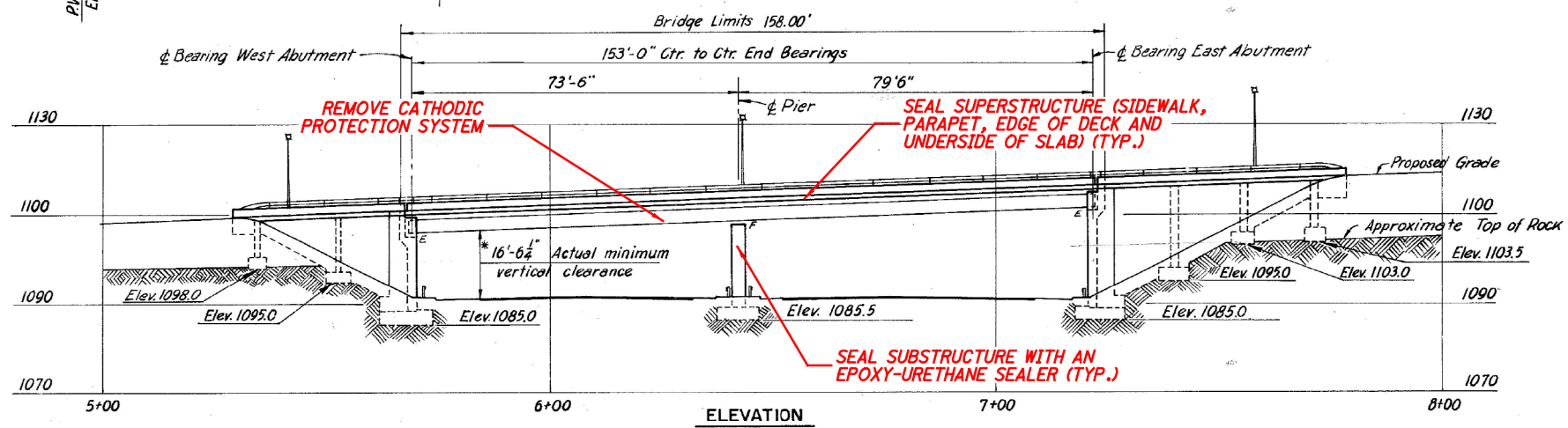
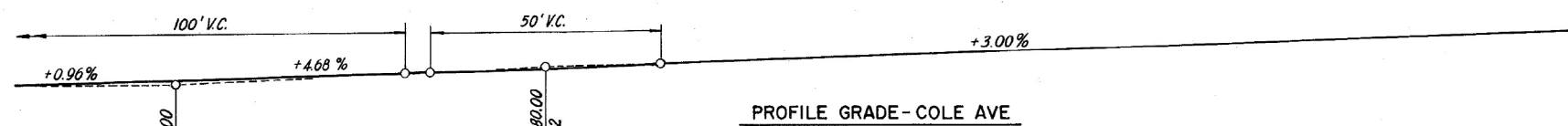
ISSUE RECORD:		DESCRIPTION
NO.	DATE	

p:\v\ANV\A01PW\INT01.parsons.com:Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-15\Sheets\077_1132_GP001.dgn Sheet 10/4/2021 2:56:14 PM KChrisman



REPAIR AREAS OF THE CURB AS DESIGNATED BY THE ENGINEER (TYP.)

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY



- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
 2. FOR TRANSVERSE SECTION, SEE SHEET **9/65**.

EXISTING STRUCTURE	
TYPE: TWO SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 73'-6"±, 79'-6"± C/C BEARINGS	
ROADWAY: 48'-0"± F/F OF CURBS WITH TWO 5'-2"± SIDEWALKS	
LOADING: CF400(57)	
WEARING SURFACE: 1.5"± INTEGRAL	
SKEW: 1°03'13"± RIGHT	
APPROACH SLABS: 25'-0"± LONG (AS-I-54)	
ALIGNMENT: TANGENT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°03'06"± N LONGITUDE 81°30'19"± W	

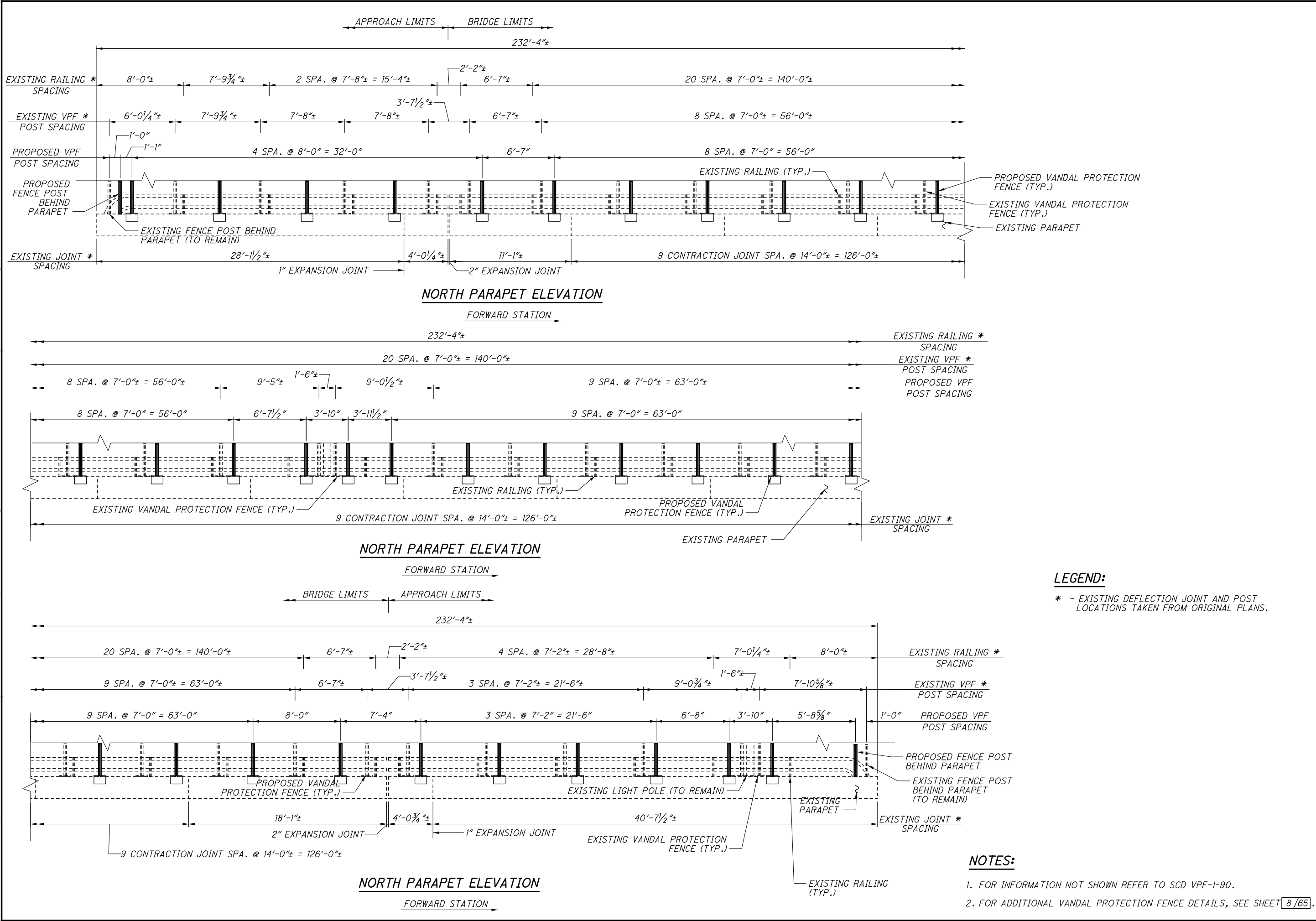
2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGN AGENCY	
BRIDGE NO. SUM-77-1132		STA. 5+67.91±		PRIME	
COLE AVE. OVER I-77		STA. 7+25.91±		6450 State Rd. Suite 300	
				Columbus, Ohio 43221	
				DATE 6/18/21	
				REVIEWED SAN	
				DRAWN KDC	
				CHECKED JAT	
				STRUCTURE FILE NUMBER 7702825	

SUM-76/77/8-8.24/9.74/0.00
PID No. 102329

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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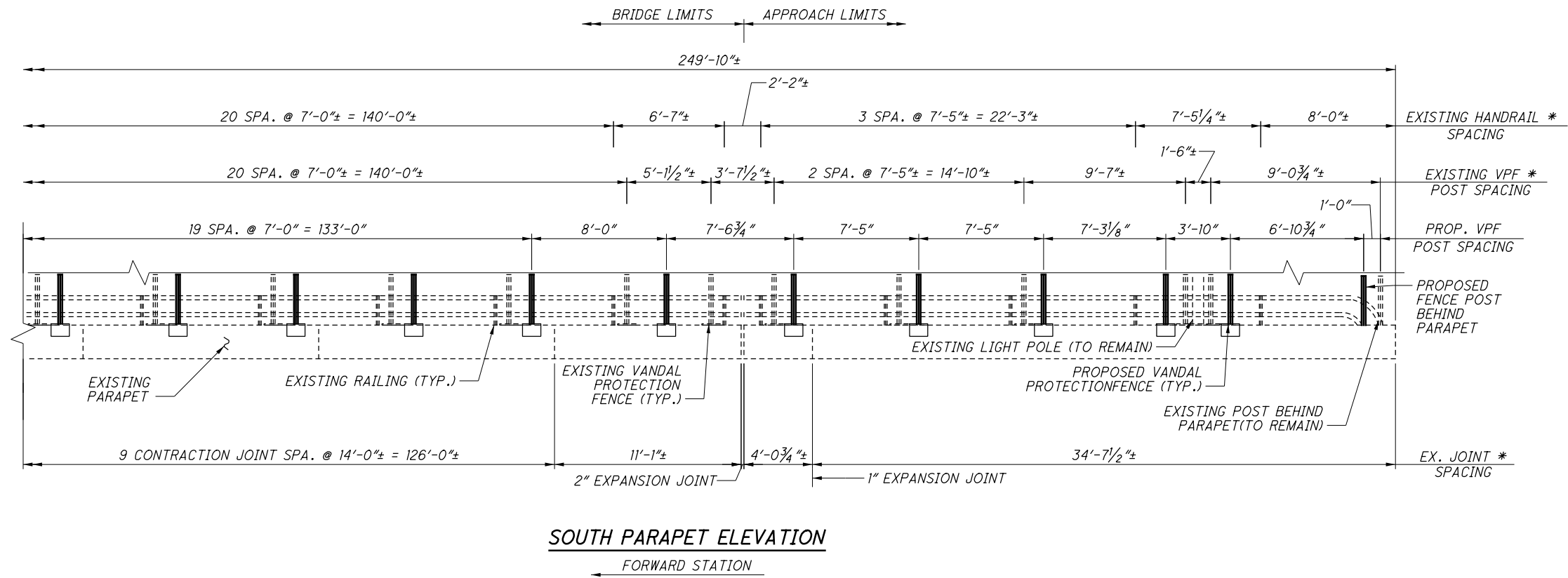
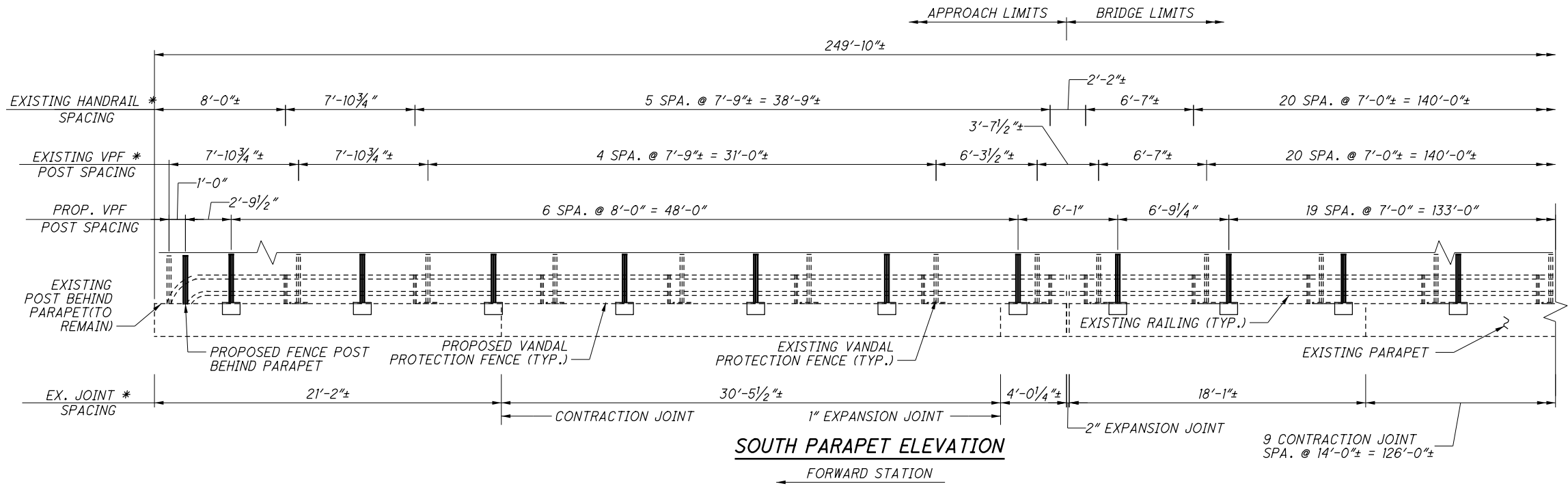


2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 6415 JAMES RILEY RD COLUMBUS, OHIO 43231	
REVIEWED SAN	DATE 6/18/21
DRAWN HM	STRUCTURE FILE NUMBER 7702825
DESIGNED HM	CHECKED KDC
VANDAL PROTECTION FENCE DETAILS (1 OF 2)	
BRIDGE NO. SUM-77-1132 COLE AVE. OVER I-77	
SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329	
2 / 3	
59 65	

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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LEGEND:

* - EXISTING DEFLECTION JOINT AND POST LOCATIONS TAKEN FROM EXISTING PLANS.

NOTES:

1. FOR INFORMATION NOT SHOWN REFER TO SCD VPF-1-90
2. FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65.

2026-03-24 - BU-15 - RECORD DRAWING PLANS

SUM-76/77/8-
8.24/9.74/0.00
PID No. 102329

3/3
60/65

VANDAL PROTECTION FENCE DETAILS (2 OF 2)

BRIDGE NO. SUM-77-1132
COLE AVE. OVER I-77

DESIGNED HM
CHECKED KDC

DRAWN HM
REVISED

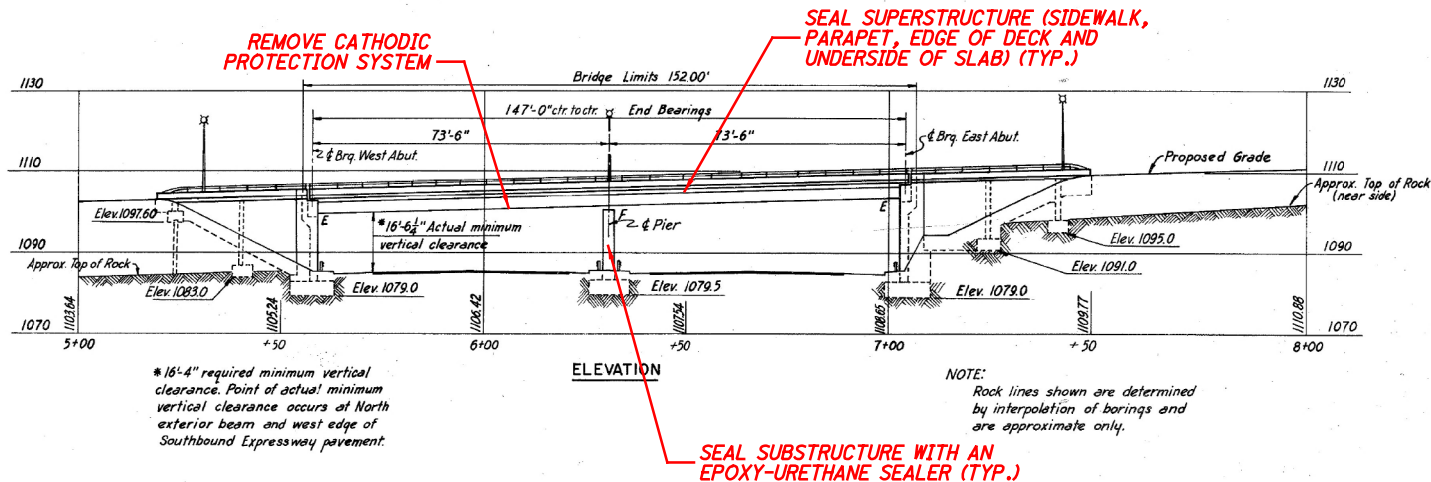
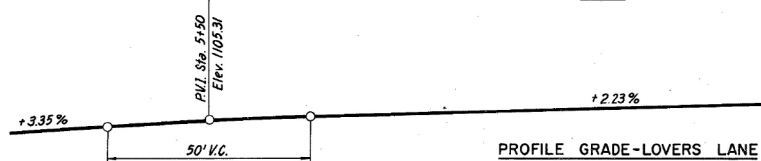
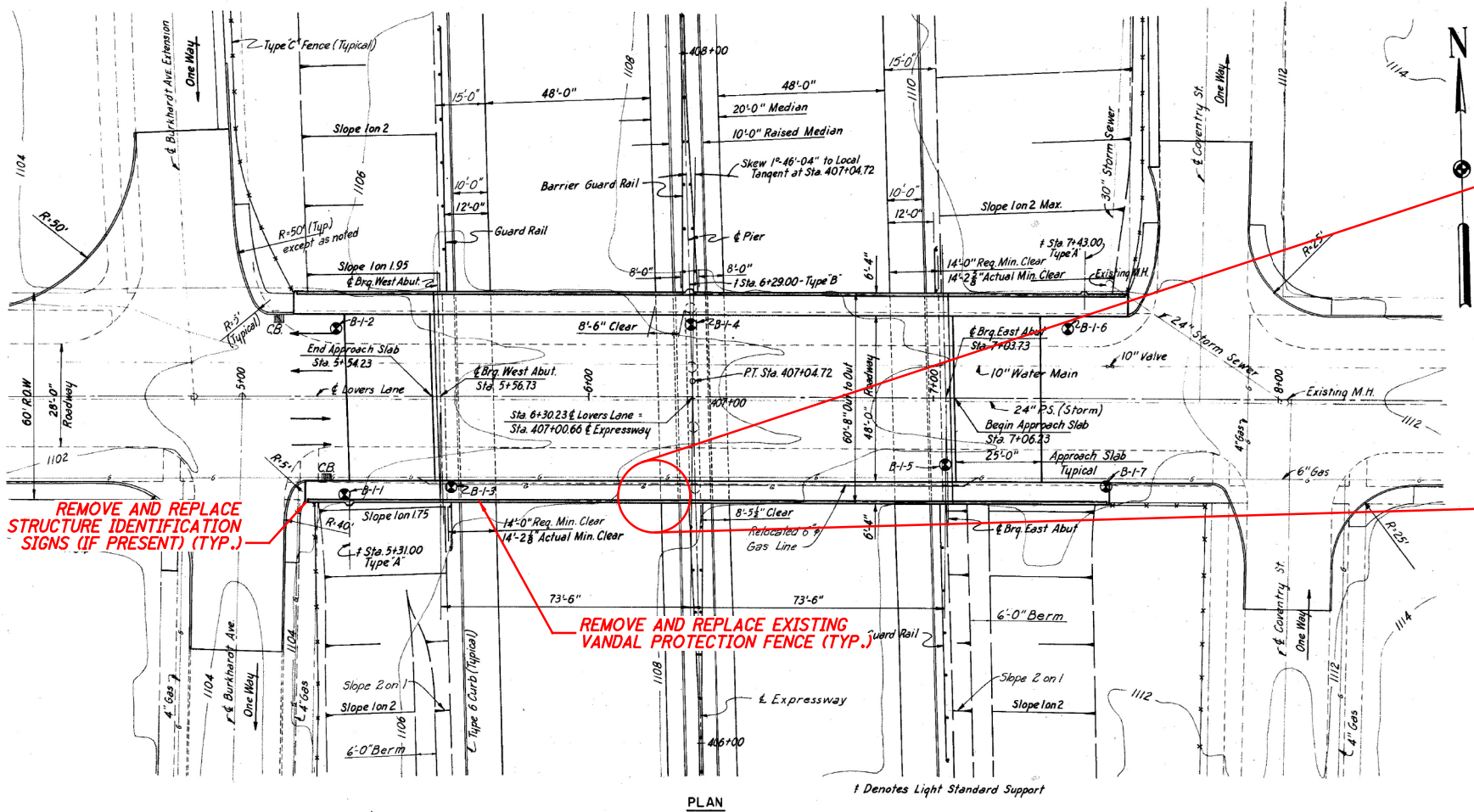
REVIEWED SAN
STRUCTURE FILE NUMBER 7702825

DATE 6/18/21

DESIGN AGENCY
PRIME
8415 BAKER BLVD
COLUMBUS, OHIO 43231

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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REPLACE MISSING TOP RAILING ON THE SOUTHERN PARAPET PER STD. DWG. VPF-I-90 AND REPAIR AREAS OF THE CURB AS DESIGNATED BY THE ENGINEER

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

NOTES:

1. FOR GENERAL NOTES, SEE SHEET **3/65** THRU **7/65**.
2. FOR TRANSVERSE SECTION, SEE SHEET **9/65**.

EXISTING STRUCTURE

TYPE: TWO SPAN CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 73'-6"±, 73'-6"± C/C BEARINGS

ROADWAY: 48'-0"± F/F OF CURB WITH TWO 5'-2"± SIDEWALKS

LOADING: CF400(57)

WEARING SURFACE: 3.1" INTEGRAL

SKEW: 1°46'04"± LEFT FORWARD TO LOCAL TANGENT

APPROACH SLABS: 25'-0"± LONG (AS-I-54)

ALIGNMENT: TANGENT

SUPERELEVATION: NONE

COORDINATES: LATITUDE 41°03'16"± N
LONGITUDE 81°30'19"± W

2026-03-24 - BU-15 - RECORD DRAWING PLANS

GENERAL PLAN
BRIDGE NO. SUM-77-1152
LOVERS LANE OVER I-77

SUM-76/77/8-
8.24/9.74/0.00
PID No. 102329

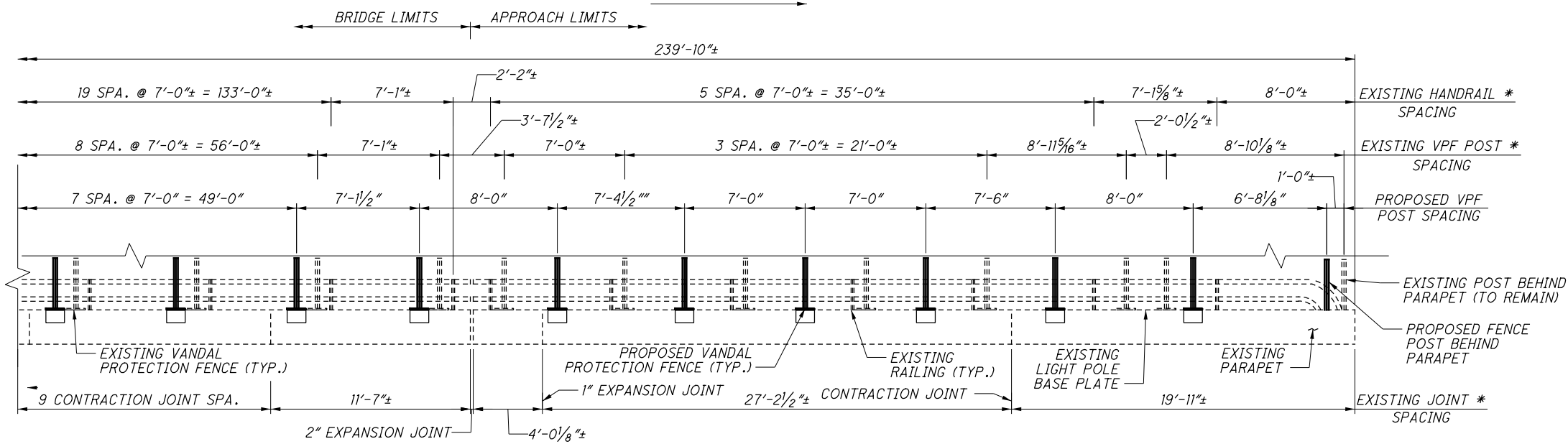
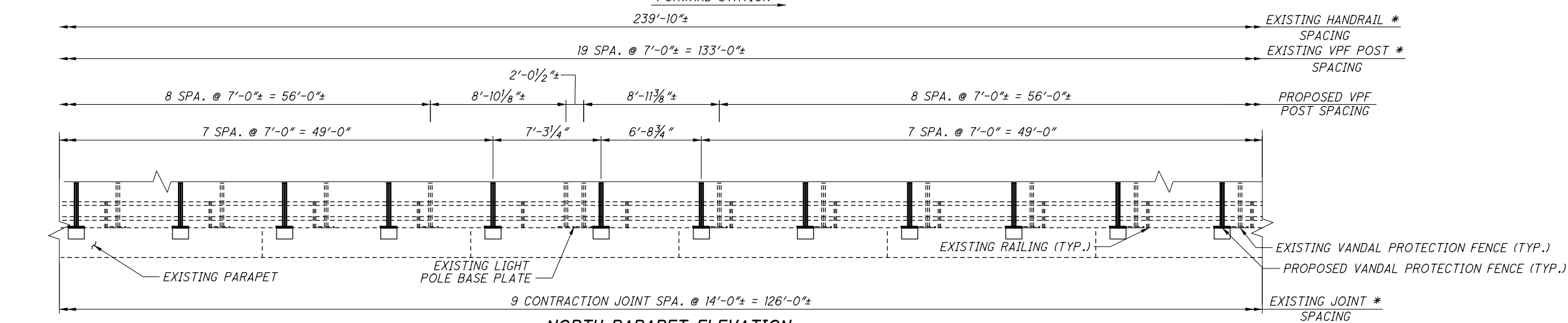
1/3
61/65

DESIGN AGENCY
PRIME
4445 N. State Rd.
Columbus, Ohio 43231

DATE 6/18/21
REVIEWED SAN
DRAWN KDC
DESIGNED KDC

STRUCTURE FILE NUMBER 7702914
CHECKED JAT
REVISED

SUMMIT COUNTY
STA. 5+54.23±
STA. 7+06.23±

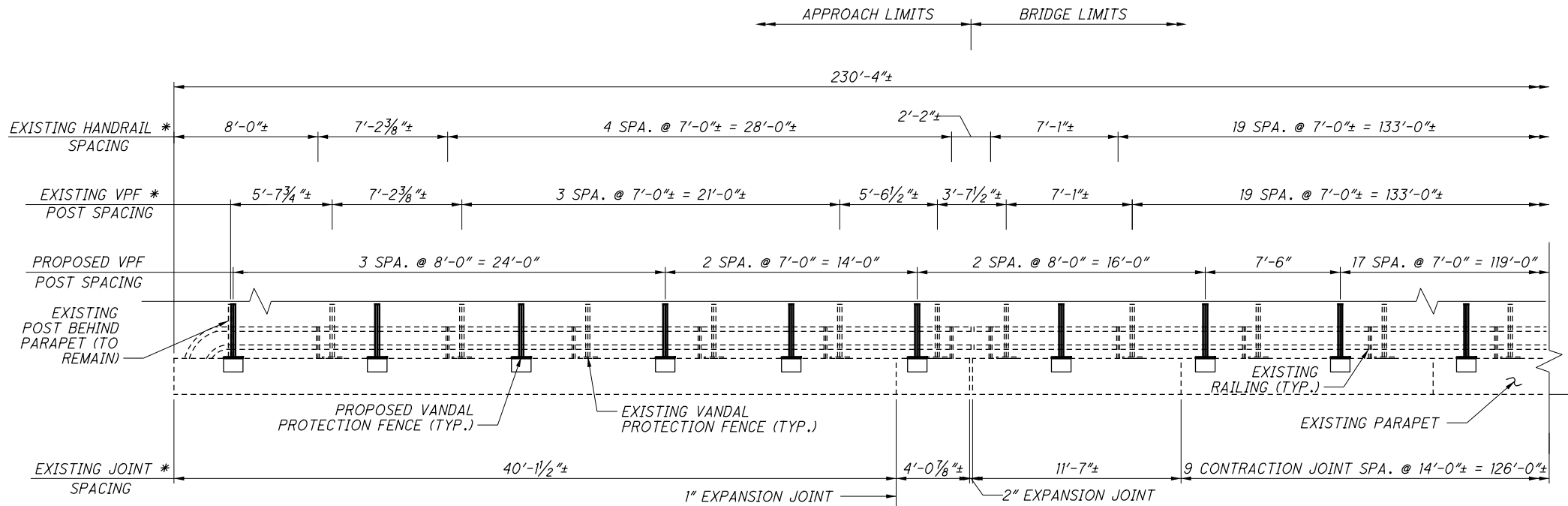


NOTES:

2. FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65

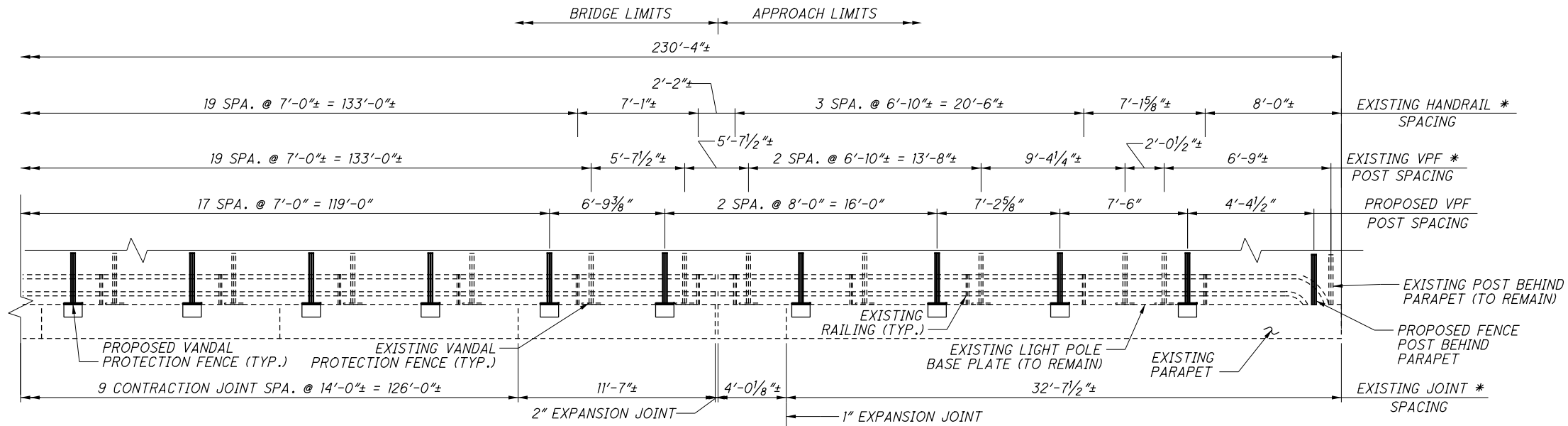
ISSUE RECORD:

NO.	DATE	DESCRIPTION



SOUTH PARAPET ELEVATION

← FORWARD STATION



SOUTH PARAPET ELEVATION

← FORWARD STATION

LEGEND:

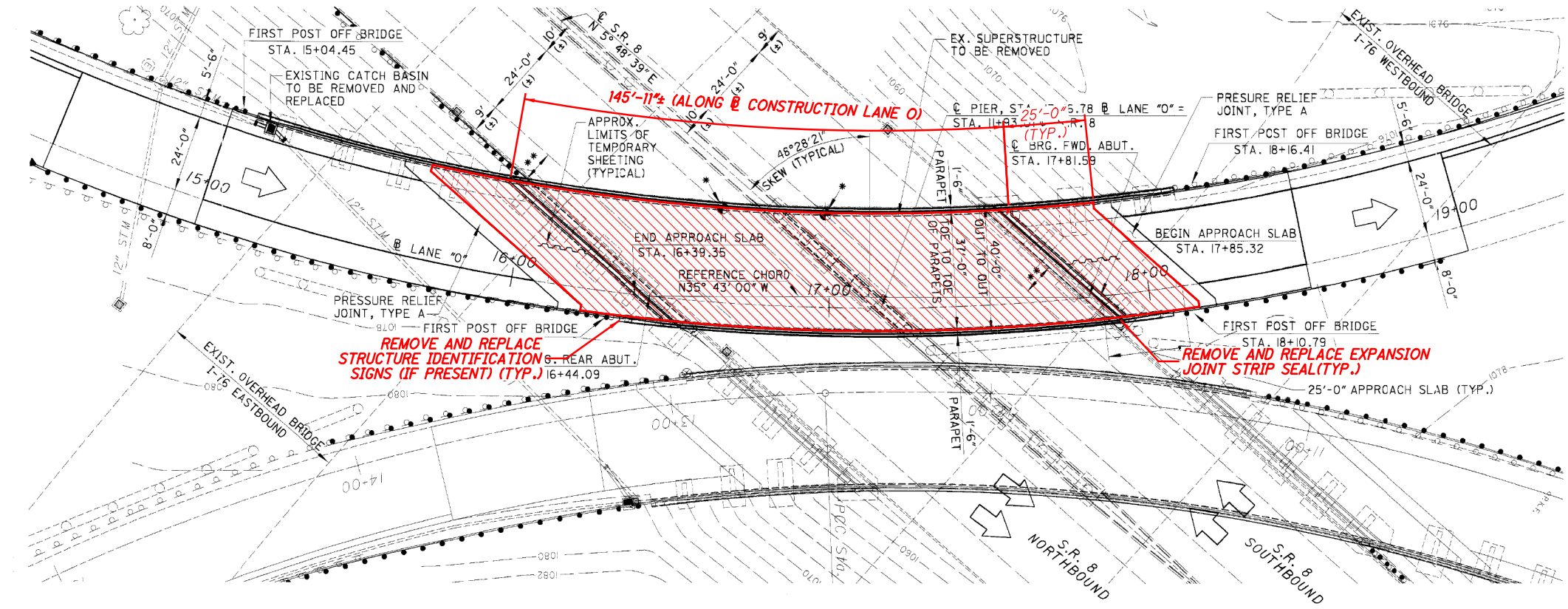
* - EXISTING DEFLECTION JOINT AND POST LOCATIONS TAKEN FROM EXISTING PLANS.

NOTES:

- FOR INFORMATION NOT SHOWN REFER TO SCD VPF-1-90.
- FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 8/65.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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PLAN

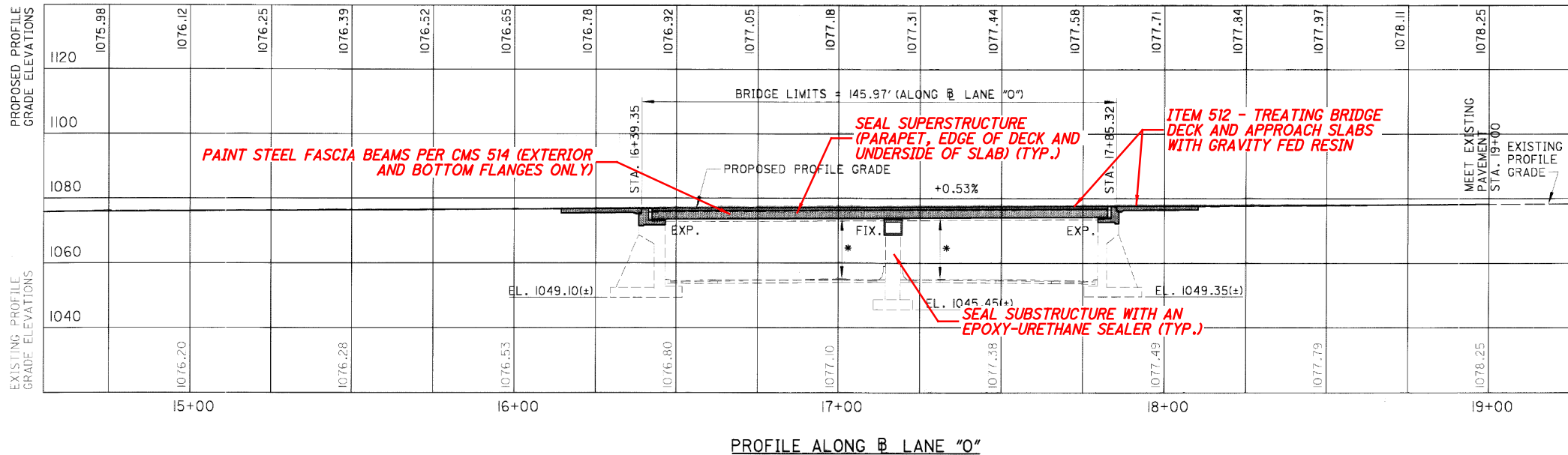
CURVE DATA - LANE "O"
P.I. Sta = 18+75.52
D = 83°48'29" (LT)
Dc = 8°30'00"
R = 674.07'
T = 604.89'
L = 985.98'
E = 231.62'

* MINIMUM VERTICAL CLEARANCES
LOCATION: S.R. 8 NB S.R. 8 SB
EXISTING: 15'-2" 15'-5"
PROPOSED: 15'-10" 16'-1"
REQUIRED: 15'-6" 15'-6"

** HORIZONTAL CLEARANCE
EXISTING: 10'-0" (±)
PROPOSED: 10'-0" (±)

NOTES

1. THE REFERENCE CHORD IS A STRAIGHT LINE CONNECTING THE INTERSECTIONS OF THE ABUTMENT CENTERLINES OF BEARING AND THE SURVEY BASELINE OF LANE "O".
2. ELEVATION DATUM: ALL CURRENT PLAN ELEVATIONS ARE BASED ON NAVD-88 DATUM. EXISTING PLAN ELEVATIONS ARE BASED ON NAVD-29 DATUM. TO CONVERT EXISTING PLAN ELEVATIONS TO CURRENT, SUBTRACT 0.65'



PROFILE ALONG B LANE "O"

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3/65 THRU 7/65.
2. FOR TRANSVERSE SECTION, SEE SHEET 10/65.

LEGEND:

▨ - LIMITS OF GRAVITY FED RESIN

EXISTING STRUCTURE	
TYPE: CONTINUOUS CURVED STEEL BEAMS COMPOSITE WITH DECK REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 68'-7 ¹ / ₁₆ "±, 68'-7 ¹ / ₁₆ "±, ALONG REFERENCE CORD	
ROADWAY: 37'-0" TOE TO TOE OF PARAPET 40'-0" OUT TO OUT OF DECK	
LOADING: HS25 (CASE II) AND THE ALTERNATE MILITARY LOADING	
WEARING SURFACE: 1" MONOLITHIC CONCRETE	
SKEW: 48°28'21"± RIGHT FORWARD WITH RESPECT TO THE REFERENCE LINE	
APPROACH SLABS: 25'-0"± LONG (AS-I-81)	
ALIGNMENT: 8°30'00" CURVE LEFT	
SUPERELEVATION: 0.08 FT/FT	
COORDINATES: LATITUDE: 41°03'43"± N LONGITUDE: 81°30'17"± W	

2026-03-24 - BU-15 - RECORD DRAWING PLANS

DESIGN AGENCY
PRIME
4445 BAKER RD
COLUMBUS OHIO 43231

DATE	6/18/21
REVIEWED	SAN
DRAWN	KDC
DESIGNED	KDC
CHECKED	JAT
STRUCTURE FILE NUMBER	77029173

SUMMIT COUNTY
STA. 16+39.35±
STA. 17+85.32±

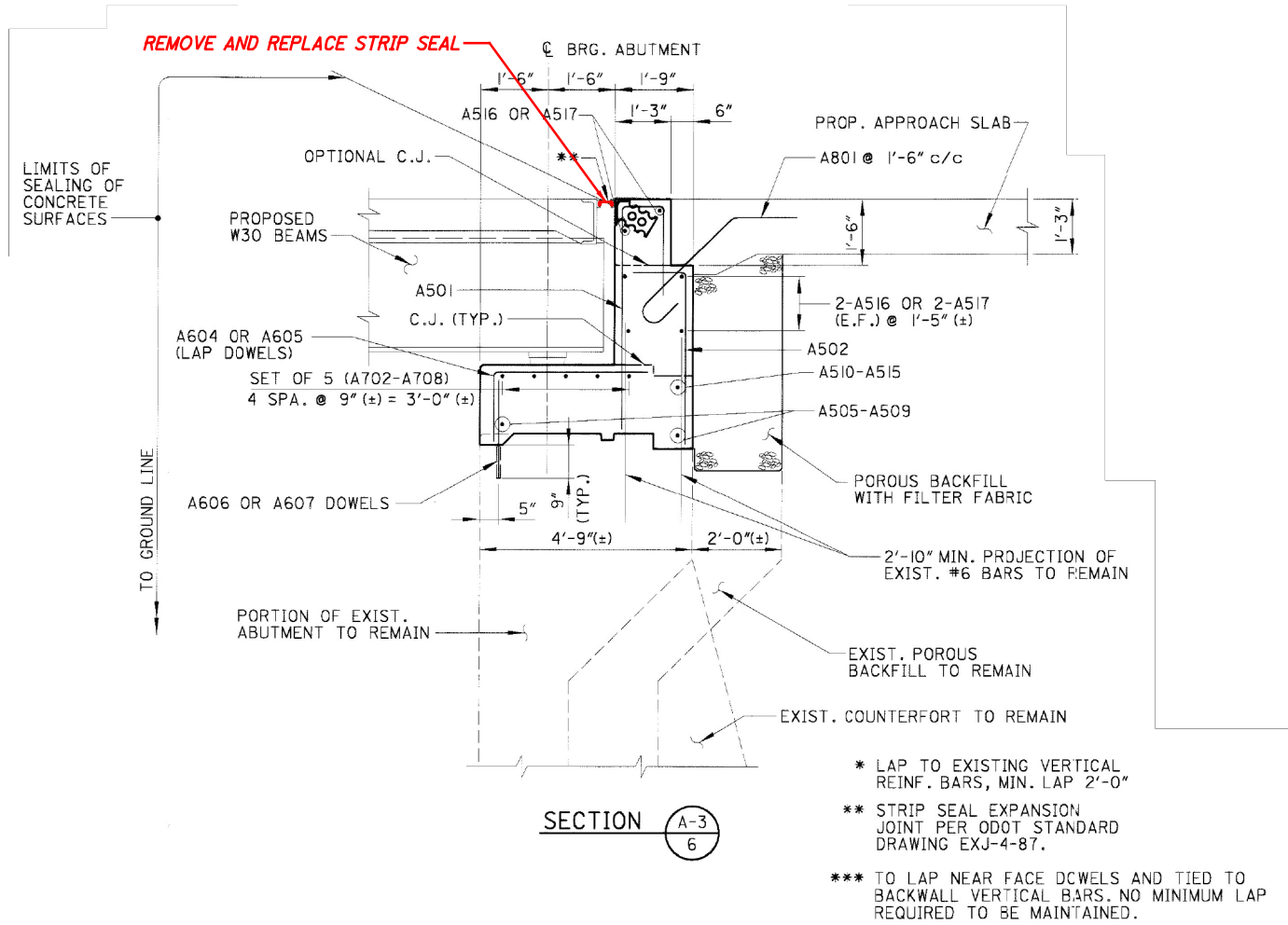
GENERAL PLAN
BRIDGE NO. SUM-77-1201
I-77 LANE 0 OVER SR-8

SUM-76/77/8-
8.24/9.74/0.00
PID No. 102329

1/2
64
65

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ORIGINAL CONSTRUCTION PLANS SHOWN
FOR INFORMATION ONLY. ONLY WORK
TO BE PERFORMED AT ABUTMENTS
IS THE STRIP SEAL REPLACEMENT

NOTES:

1. REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD ABUTMENTS.