

ISSUE RECORD: BU-16			DESCRIPTION
NO.	DATE	AB	
	01-09-24	AB	DELETED PAINTING OF FASCIA BEAMS REQUIREMENT

p:\V\ANV\A01FWINT01.Parsons.com:Ohio_State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\076_0824L_GN001.dgn Sheet 5/14/2026 12:12:56 PM p005631H

STANDARD DRAWINGS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

AS-1-15	REVISED	7/17/15
BR-1-13	REVISED	1/17/14
EXJ-4-87	REVISED	1/19/18
GSD-1-96	REVISED	7/19/02
GSD-1-99	REVISED	1/15/21
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.

DESIGN DATA:

CONCRETE, CLASS QC2 - COMPRESSIVE STRENGTH 4500 PSI (SUPERSTRUCTURE, APPROACH SLAB & PARAPET)

CONCRETE, CLASS QC1 - COMPRESSIVE STRENGTH 4000 PSI (SUBSTRUCTURE)

REINFORCING STEEL - ASTM A615 OR A996, GRADE 60, MINIMUM YIELD STRENGTH 60000 PSI, EPOXY COATED

STRUCTURAL STEEL - ALL NEW STEEL, ASTM A709 GRADE 50, MINIMUM YIELD STRENGTH 50000 PSI.

PROPOSED WORK:

SUM-76-0824L (I-76 OVER MORSE ST.)

- REMOVE THE EXISTING ASPHALT FROM THE TOP OF THE REAR APPROACH SLAB.
- MILL AND REMOVE ASPHALT TO A DEPTH OF AT LEAST 1 1/2" BEYOND THE ENDS OF THE APPROACH SLABS FOR A DISTANCE OF 25'.
- PLACE ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M AND ITEM 407 - NON-TRACKING TACK COAT ON THE APPROACH SLABS THE AREA MILLED.
- SEAL BRIDGE DECK WITH GRAVITY FILLED 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) 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.
- REFURBISH ALL BEARINGS.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING CATHODIC PROTECTION SYSTEM, THIS INCLUDES DISCONNECTING THE POWER SERVICE, REMOVAL OF CABINET, CONDUIT, WIRING ETC.
- 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.

PROPOSED WORK (CONT'D):

SUM-76-0824UR (RAMP U OVER MORSE ST.)

- REMOVE ASPHALT FROM BRIDGE DECK AND APPROACH SLABS.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REPAIR THE BOTTOM OF THE DECK AT THE LOCATIONS DETERMINED BY THE PROJECT ENGINEER PER THE BRIDGE DESIGN MANUAL SECTION 403.2.2 WITH COMPOSITE FIBER WRAP SYSTEM OVER SAFETY SENSITIVE AREAS.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REMOVE EXISTING SEALER (IF PRESENT) FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE EXISTING CATHODIC PROTECTION SYSTEM, THIS INCLUDES DISCONNECTING THE POWER SERVICE, REMOVAL OF CABINET, CONDUIT, WIRING ETC.
- REMOVE EXISTING GUARDRAIL (ON BOTH LEFT AND RIGHT OF THE RAMP) AT THE TRAILING END OF THE STRUCTURE AND REPLACE WITH SINGLE SLOPE BARRIER, TYPE D AT THE SAME OFFSET AS THE EXISTING GUARDRAIL.
- 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-76-0831L (I-76 WB OVER 77):

- SEAL BRIDGE DECK 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.
- REFURBISH ALL BEARINGS.
- REPLACE MISSING OR DAMAGED PARAPET EXPANSION PLATES.
- REPLACE FORWARD RIGHT SCUPPER.
- REPAIR THE EROSION AT THE FORWARD RIGHT 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-76-0876 (EAST AVE. OVER I-76):

- SEAL BRIDGE DECK WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY-URETHANE 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 SEALER.
- PAINT STRUCTURAL STEEL ACCORDING TO C&MS 514.
- REMOVE ALL DIRT AND DEBRIS FROM THE BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT), AND BRIDGE JOINTS.
- REPAIR PAINT THE EXISTING METAL CURB PLATES AND SIDEWALK JOINT ARMOR AS PER C&MS 514.22.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REFURBISH ALL BEARINGS.
- REMOVE THE EXISTING VANDAL PROTECTION FENCE AND INSTALL NEW VANDAL PROTECTION FENCE AS PER STANDARD DRAWING VPF-I-90 (STRAIGHT FENCE) AND SCOPE ATTACHMENT G.
- INSTALL SCUPPERS IN THE TWO (2) DRILLED HOLES IN THE DECK ON THE LEFT SIDE NEAR THE FORWARD ABUTMENT.

STRUCTURE GENERAL NOTES

PROPOSED WORK (CONT'D):

- INSPECT SUBSTRUCTURE, MARK AREAS TO BE PATCHED 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-76-0894 (HILLCREST PEDESTRIAN BRIDGE OVER I-76):

- SEAL BRIDGE DECK WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH 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 BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT) AND BRIDGE JOINTS.
- PAINT STRUCTURE STEEL ACCORDING TO C&MS 514.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE AND REPLACE THE COMPRESSION SEALS AT THE FORWARD AND REAR APPROACHES.
- REMOVE THE EXISTING VANDAL PROTECTION AND INSTALL NEW VANDAL PROTECTION FENCE AS PER STANDARD DRAWING VPF-I-90, FENCE COLOR 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-76-0994 (PRINCETON ST. OVER I-76):

- SEAL BRIDGE DECK WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH NON-EPOXY-URETHANE 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 SEALER.
- REMOVE ALL DIRT AND DEBRIS FROM BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT) AND BRIDGE JOINTS.
- PAINT STRUCTURE STEEL ACCORDING TO C&MS 514.
- REPAIR PAINT THE EXISTING SIDEWALK JOINT ARMOR AS PER C&MS 514.22.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REMOVE AND REPLACE EXPANSION JOINT STRIP SEALS AT THE FORWARD AND REAR APPROACHES.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REMOVE THE EXISTING VANDAL PROTECTION AND INSTALL NEW VANDAL PROTECTION FENCE AS PER STANDARD DRAWING VPF-I-90 AND SCOPE ATTACHMENT H.
- WIDEN THE EXISTING SIDEWALK (TO THE INSIDE) ON BOTH SIDES OF THE STRUCTURE BY 5'-0" AND EXTEND THE WIDENED SIDEWALK TO THE ADJACENT STREET WITH THE SAME CENTERLINE OFFSET (BOTH NORTH AND SOUTH OF THE BRIDGE), INSTALL NEW CURB RAMPS AS PER BP-7.1 MEETING ALL ADA REQUIREMENTS, INCLUDING ALL ITEMS NECESSARY TO COMPLETE THIS WORK.
- 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 LUMINAIRE WITH LED LUMINAIRE AND PAINT THE LIGHT POLE USING THE REPAIR PAINTING PROCEDURE ACCORDING C&MS 514.22.

PROPOSED WORK (CONT'D):

SUM-77-1543 (I-77 OVER HAWKINS AVE.):

- SEAL BRIDGE DECK WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE AND REPLACE THE APPROACH SLABS. THE NEW APPROACH SLABS WILL BE THE FULL WIDTH AND THE SAME LENGTH AS THE EXISTING.
- REMOVE ALL DIRT AND DEBRIS FROM BEAM SEATS, DRAINAGE SYSTEMS (IF PRESENT) AND BRIDGE JOINTS.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEAL AT THE FORWARD ABUTMENT, REAR ABUTMENT, AND HINGE POINTS.
- 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-77-1570 (I-77 OVER VERNON ODOM BLVD):

- SEAL BRIDGE DECK WITH GRAVITY FED RESIN.
- REMOVE EXISTING SEALER (IF PRESENT) PER C&MS 512 FROM SUPERSTRUCTURE AND SUBSTRUCTURE AND SEAL WITH EPOXY-URETHANE SEALER.
- REMOVE SPALLS AND DELAMINATIONS OVER SAFETY SENSITIVE AREAS (PAVEMENT, SHOULDERS, SIDEWALKS, ETC.) FROM THE FLOOR AND SEAL WITH EPOXY-URETHANE.
- REMOVE AND REPLACE THE APPROACH SLABS. THE NEW APPROACH SLABS WILL BE THE FULL WIDTH AND THE SAME LENGTH AS THE EXISTING.
- INSPECT BRIDGE DECK, MARK THE AREAS TO BE PATCHED AND PERFORM REQUIRED PATCHING.
- REFURBISH ALL BEARINGS AT THE REAR AND FORWARD ABUTMENTS.
- REPLACE THE MISSING CROSS FRAME.
- INSPECT SUBSTRUCTURE AND PERFORM REQUIRED PATCHING.
- REPAIR THE EROSION AT THE FORWARD AND REAR RIGHT 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.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

2 53	SUM-76 / 77 / 8- 8.24 / 09.74 / 0.00 PID No. 102329		GENERAL NOTES (1 OF 4)		BRIDGE NO. SUM-76-0824L, SUM-76-0824UR, SUM-76-0831L, SUM-76-0876 SUM-76-0894, SUM-76-0994, SUM-77-1543, SUM-77-1570		DESIGNED KDC	CHECKED JAT	DRAWN KDC	REVIEWED CCJ	DATE 4/23/2021	DESIGN AGENCY PRIME 4445 State Route 300 Columbus Ohio 43231
							KDC	REVISED	KDC	STRUCTURE FILE NUMBER		

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ITEM 519-PATCHING CONCRETE STRUCTURES, AS PER PLAN

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-76-0824L, SUM-76-0824UR, SUM-76-0831L, SUM-76-0876, SUM-76-0994, SUM-77-1543, SUM-77-1570)

25 SF - (SUM-76-0894)

ITEM 519, PATCHING CONCRETE BRIDGE DECK, TYPE C

25 SY - (SUM-76-0824L, SUM-76-0824UR, SUM-76-0831L, SUM-76-0876, SUM-76-0894, SUM-76-0994, SUM-77-1543 & SUM-77-1570)

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

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-76-0894 SUM-76-0994
SUM-76-0831L SUM-76-0876

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

SUM-76-0824L SUM-76-0824UR
SUM-77-1543 SUM-77-1570

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-76-0831L - 30 CY SUM-77-1570 - 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:

SUM-76-0824L SUM-76-0984 (ABUTMENTS ONLY)
SUM-76-0831L SUM-76-0994 (ABUTMENTS ONLY)
SUM-76-0876 SUM-77-1570 (ABUTMENTS ONLY)

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-76-0824L SUM-76-0894
SUM-76-0824UR SUM-76-0994
SUM-76-0831L SUM-77-1543
SUM-76-0876 SUM-77-1570

ITEM 514, FIELD PAINTING, MISC: REPAIR PAINTING:

BRIDGE NO. SUM-76-0876 (EAST AVE.)
BRIDGE NO. SUM-76-0994 (PRINCETON ST.)

PAINTED CURB PLATE 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 150 SF HAS BEEN ESTIMATED FOR THIS STRUCTURE, 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-76-0831L (EXTERIOR & BOTTOM FLANGE OF FASCIA BEAMS ONLY)
SUM-76-0876
SUM-76-0894
SUM-76-0994

PAINT COLOR WILL BE FEDERAL COLOR NO. 10080.

ITEM 202 - PORTIONS OF STRUCTURED 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 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:

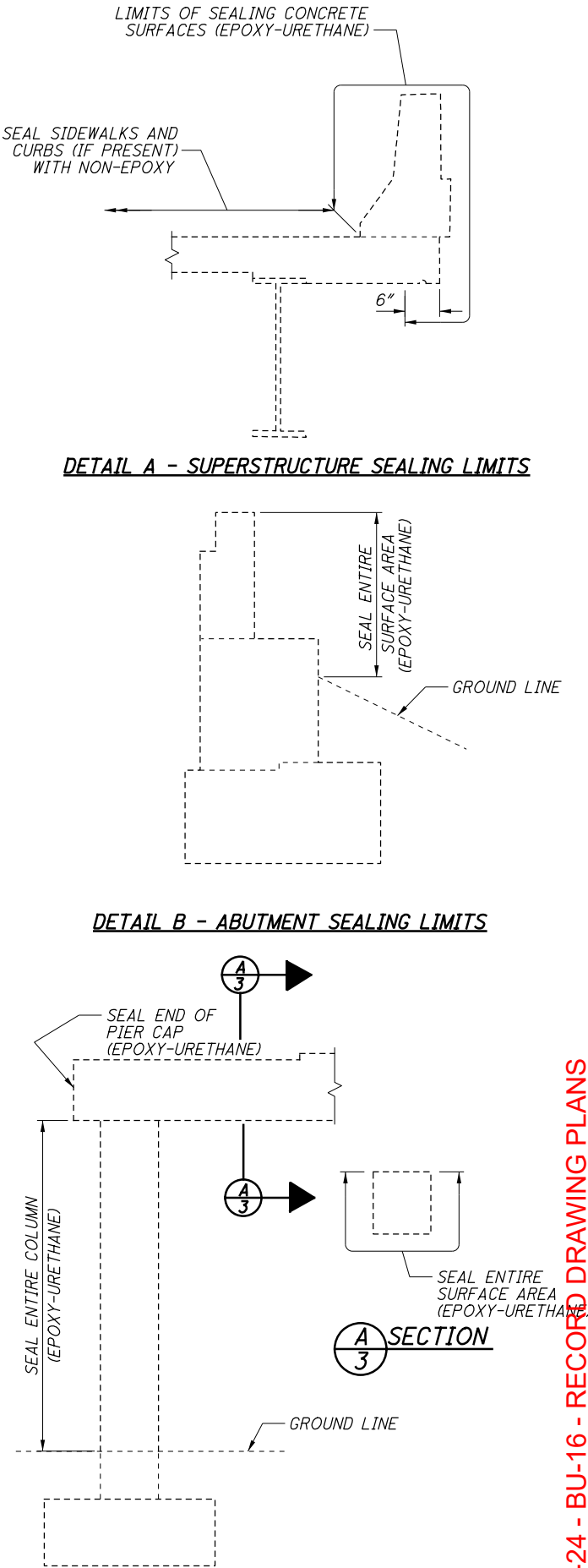
CROSSFRAME (SUM-77-1570)
PARAPET EXPANSION PLATES (SUM-76-0831L)
SIDEWALK JOINT ARMOR (SUM-76-0876, SUM-76-0994)
CURB PLATES (SUM-76-0876)
SCUPPER SUPPORT HARDWARE (SUM-76-0831L)

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-76-0824L SUM-76-0894
SUM-76-0824UR SUM-76-0994
SUM-76-0831L SUM-77-1543
SUM-76-0876 SUM-77-1570



DETAIL C - PIER SEALING LIMITS

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY
PRIME
4445 BATTLE RIDGE
COLUMBUS, OHIO 43231

DATE
4/23/2021

REVIEWED
CCJ

DRAWN
KDC

DESIGNED
KDC

BRIDGE NO. SUM-76-0824L, SUM-76-0824UR, SUM-76-0831L, SUM-76-0876
SUM-76-0894, SUM-76-0994, SUM-77-1543, SUM-77-1570

SUM-76-76 / 77 / 8-
8.24 / 09.74 / 0.00
PID No. 102329

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DATE
4/23/2021

REVIEWED
CCJ

DRAWN
KDC

DESIGNED
KDC

BRIDGE NO. SUM-76-0824L, SUM-76-0824UR, SUM-76-0831L, SUM-76-0876
SUM-76-0894, SUM-76-0994, SUM-77-1543, SUM-77-1570

SUM-76-76 / 77 / 8-
8.24 / 09.74 / 0.00
PID No. 102329

3
53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

BRIDGE CLEANING NOTES:

WATER QUALITY PROTECTION:

THIS PROJECT IS SUBJECT TO THE CONDITIONS OF NPDES PERMIT OH2000001. 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.

ENVIRONMENTAL COMMITMENTS:

ALL EQUIPMENT AND MATERIALS MUST BE STAGED ABOVE THE ORDINARY HIGH WATER MARK.

NO IN STREAM WORK IS PERMITTED.

NO TEMPORARY FILL IS PERMITTED BELOW THE ORDINARY HIGH WATER MARK.

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:

1. CLEANING JOINTS FOR THE FULL WIDTH OF THE BRIDGE:

- A) PREVENT ALL DIRT, DEBRIS, AND WASHWATER FROM ENTERING ANY DRAINAGE SYSTEM DURING THE CLEANING OPERATIONS.
- B) 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.
- C) SWEEP AND COLLECT SAND, DEBRIS AND SEDIMENT BY USE PRESSURE WASHING THE JOINTS OR COMPRESSED AIR.

2. CLEANING SCUPPERS AND DOWNSPOUTS:

- A) 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.
- B) PRESSURE WASH THE SCUPPERS AND DOWNSPOUTS FOR FINAL CLEANING.
- C) ALL DIRT OR DEBRIS FROM THE CLEANING OPERATION SHALL BE REMOVED.

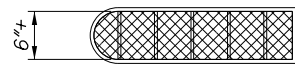
3. BRIDGE SEATS:

- A) 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.
- B) AFTER REMOVING ALL GROSS SOLIDS PRESSURE WASH THE ABUTMENTS, BACKWALLS, BEAM SEATS AND THE END OF THE BEAMS AS SHOWN ON THE PLANS.

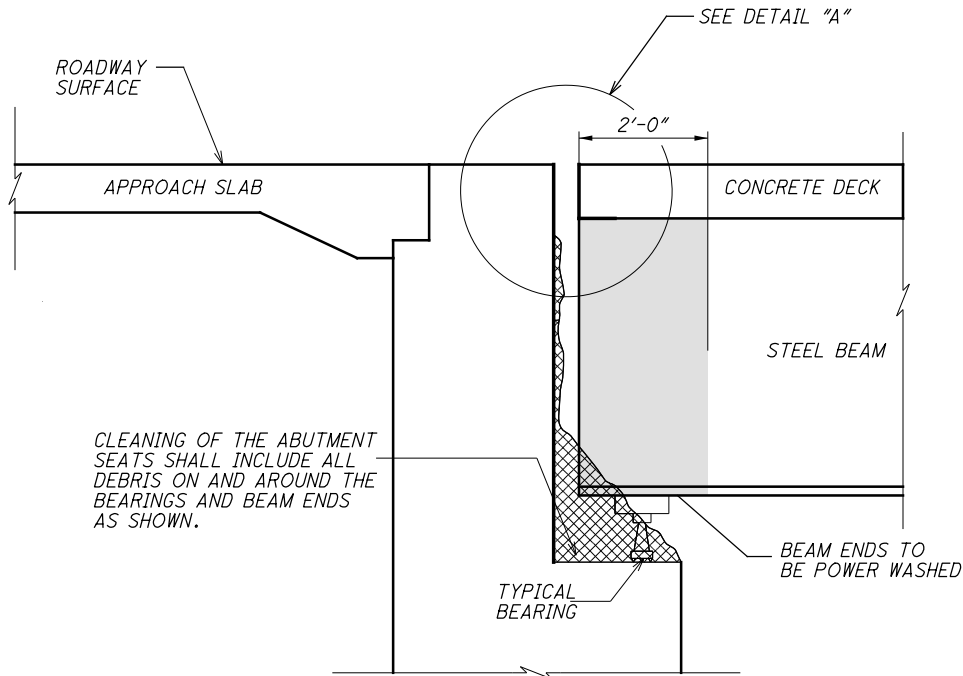
LEGEND:



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

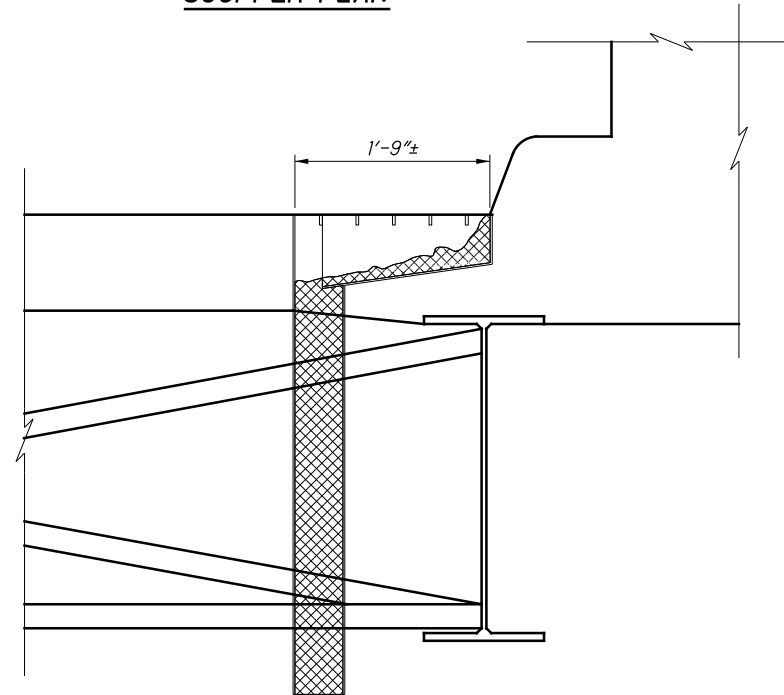


SCUPPER PLAN

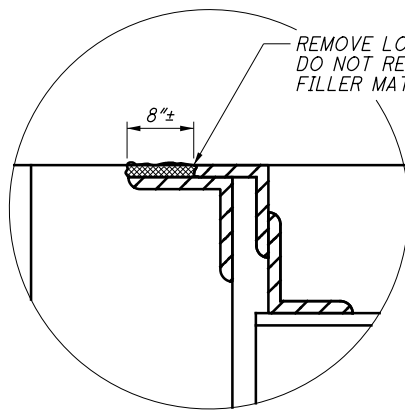


TYPICAL ABUTMENT DETAIL

BACKWALL, ABUTMENT SEAT, BEAM ENDS AND EXPANSION JOINT

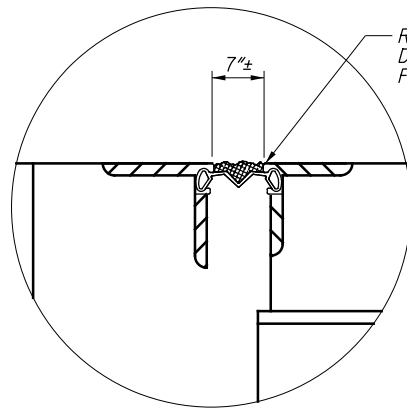


SCUPPER AND DOWNSPOUTS SIDE VIEW



DETAIL "A"

(SLIDING PLATE)



DETAIL "A"

(STRIP SEAL)

AVOID PUNCTURE OR DAMAGE TO SEAL WHILE CLEANING

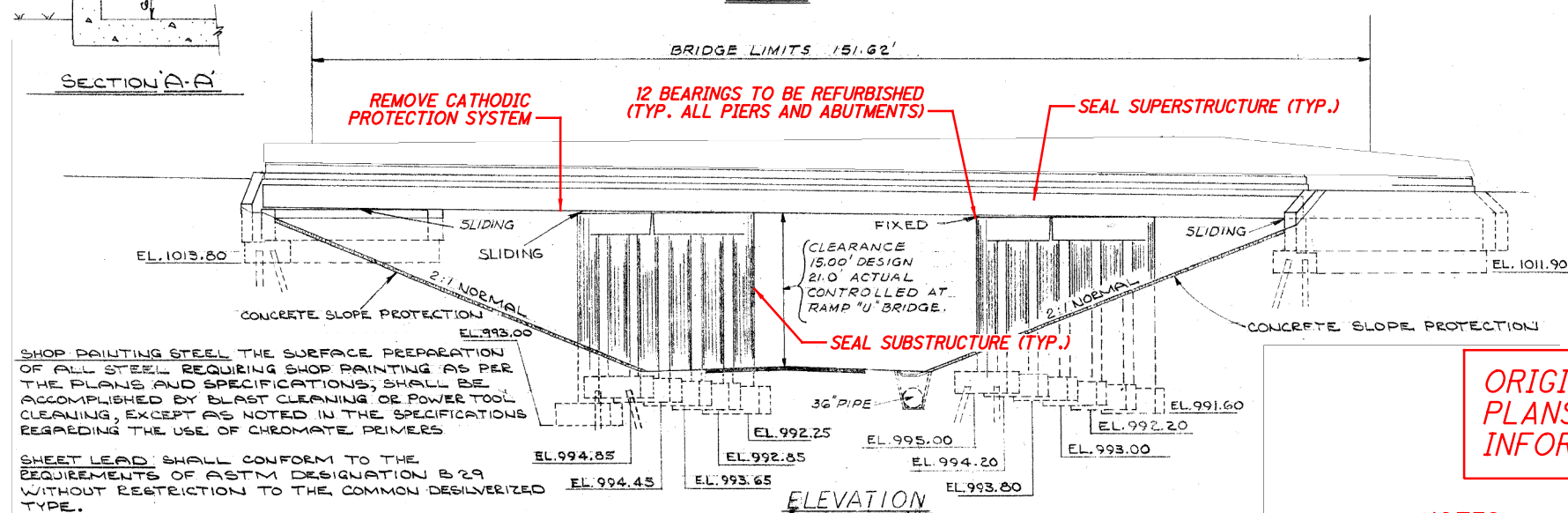
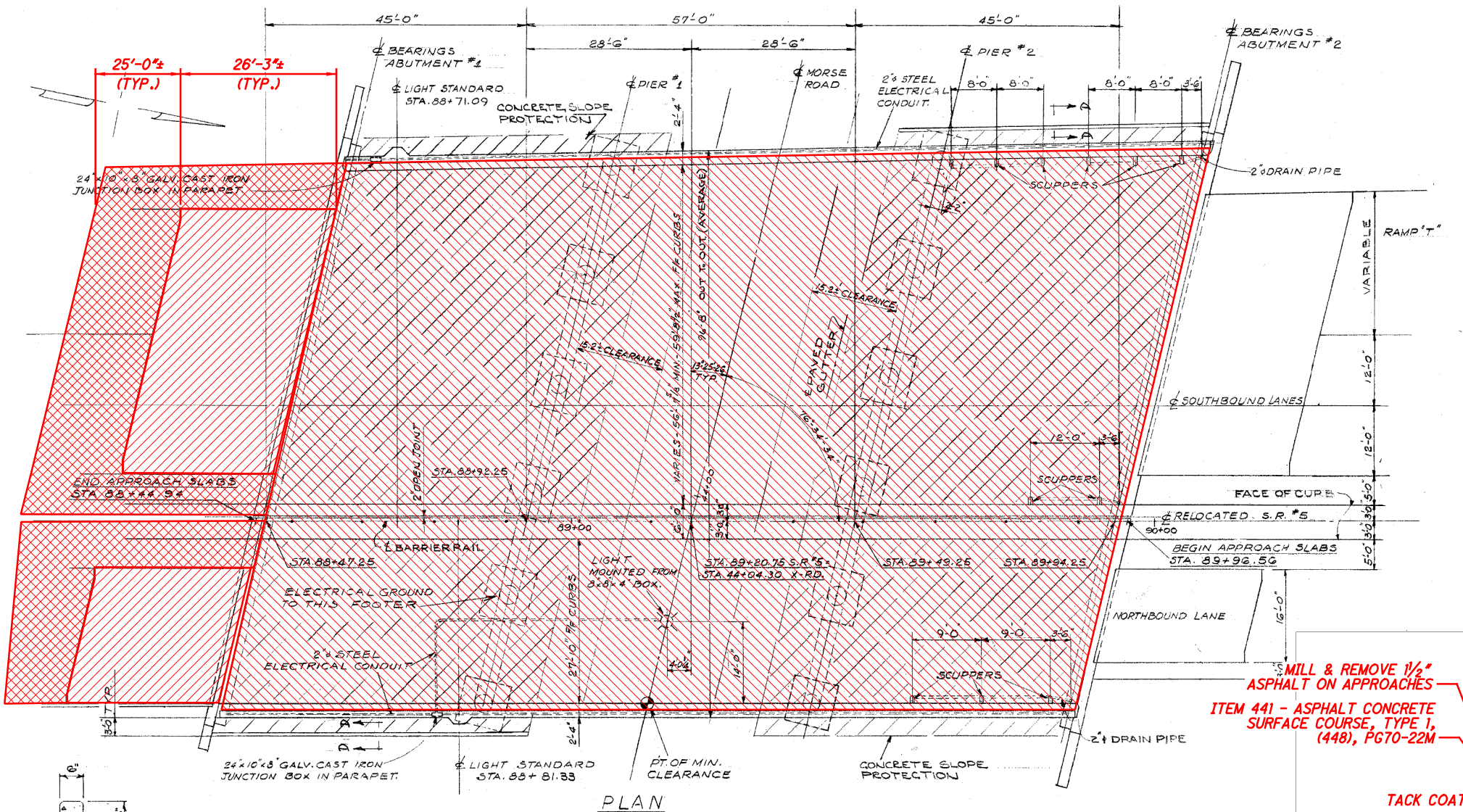
NOTES:

1. BRIDGE CLEANING TO BE PERFORMED AT THE FOLLOWING BRIDGES:

SUM-76-0824L
SUM-76-0831L
SUM-76-0876
SUM-76-0894
SUM-76-0994
SUM-77-1543

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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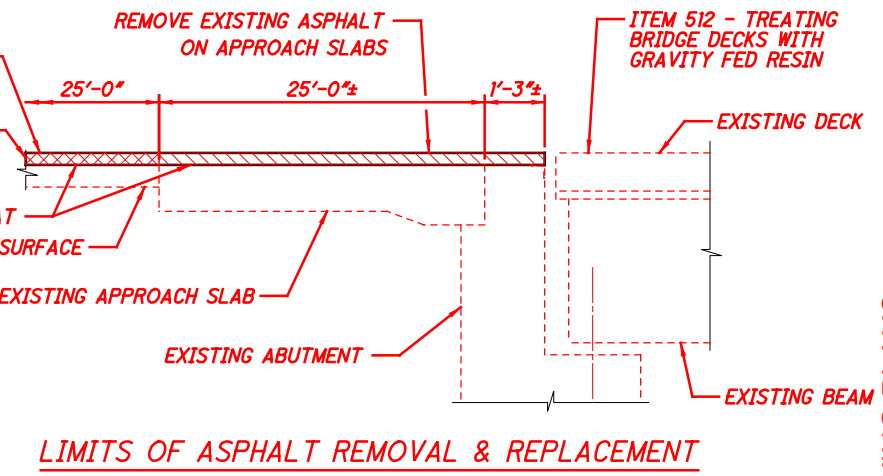
SHOP PAINTING STEEL THE SURFACE PREPARATION OF ALL STEEL REQUIRING SHOP PAINTING AS PER THE PLANS AND SPECIFICATIONS, SHALL BE ACCOMPLISHED BY BLAST CLEANING OR POWER TOOL CLEANING, EXCEPT AS NOTED IN THE SPECIFICATIONS REGARDING THE USE OF CHROMATE PRIMERS.

SHEET LEAD SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION B 29 WITHOUT RESTRICTION TO THE COMMON DESILVERIZED TYPE.

MACHINE FINISH THE CONCRETE BRIDGE DECK SHALL BE FINISHED BY THE USE OF A FINISHING MACHINE AT THE OPTION OF THE CONTRACTOR.

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

- NOTES:
1. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.
 2. FOR TRANSVERSE SECTION, SEE SHEET 2/2.
 3. FOR RESURFACING DETAILS NORTH OF THE BRIDGE LIMITS, SEE BU-31.



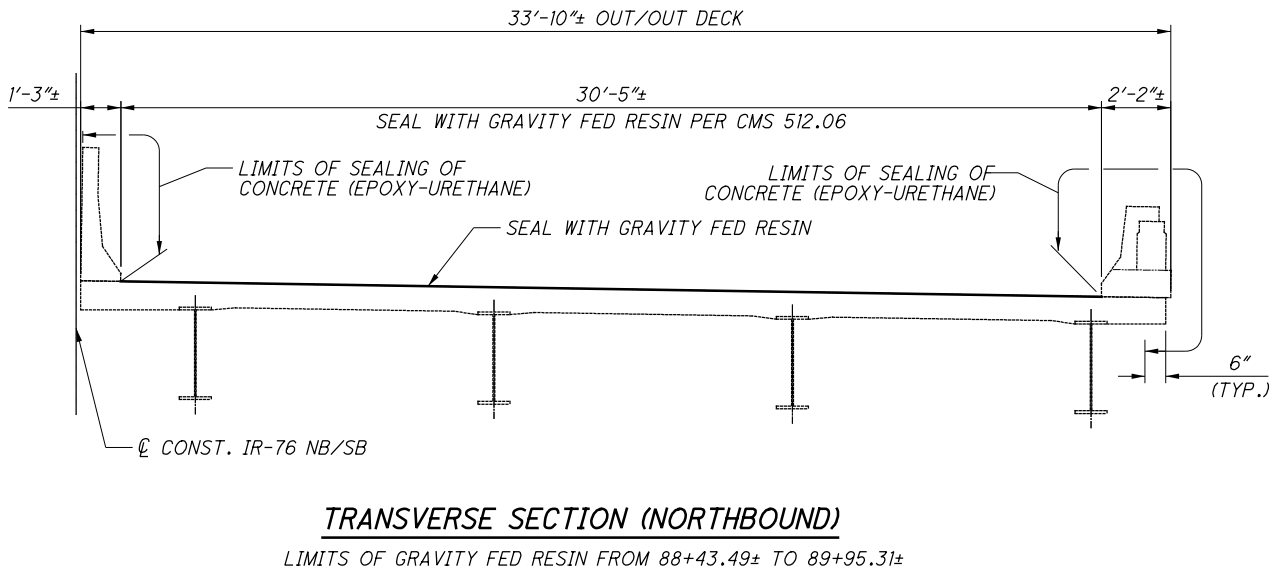
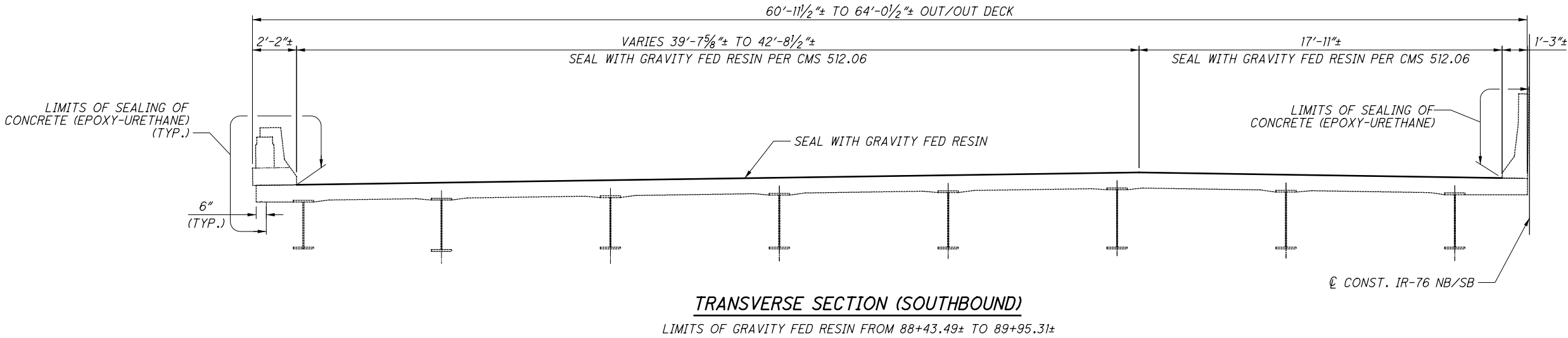
EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 45'-0", 57'-0", 45'-0" C/C BEARINGS	
ROADWAY: VARIES (RAMP T TAPERS)	
LOADING: CF 2000(57) ADEQUATE FOR AASHTO ALT. LOADING	
WEARING SURFACE: 1" MONOLITHIC	
SKEW: 13°25'26" LEFT FORWARD	
APPROACH SLABS: 25'-0" LONG (AS-1-54)	
ALIGNMENT: STRAIGHT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°03'31" N LONGITUDE 81°34'4" W	

2026-03-24 - BU-16 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
BRIDGE NO. SUM-76-0824L		STA. 88+44.94±		KDC		KDC		CCJ		4/23/2021		PRIME	
I-76 OVER MORSE STREET		STA. 89+96.56±		JAT		JAT		STRUCTURE FILE NUMBER		7705859		PRIME	
PID No. 102329		SUMMIT COUNTY		KDC		KDC		CCJ		4/23/2021		PRIME	
SUM-76/77/8-8.24/9.74/0.00		STA. 88+44.94±		JAT		JAT		STRUCTURE FILE NUMBER		7705859		PRIME	
1/2		SUMMIT COUNTY		KDC		KDC		CCJ		4/23/2021		PRIME	
6/53		STA. 88+44.94±		JAT		JAT		STRUCTURE FILE NUMBER		7705859		PRIME	

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

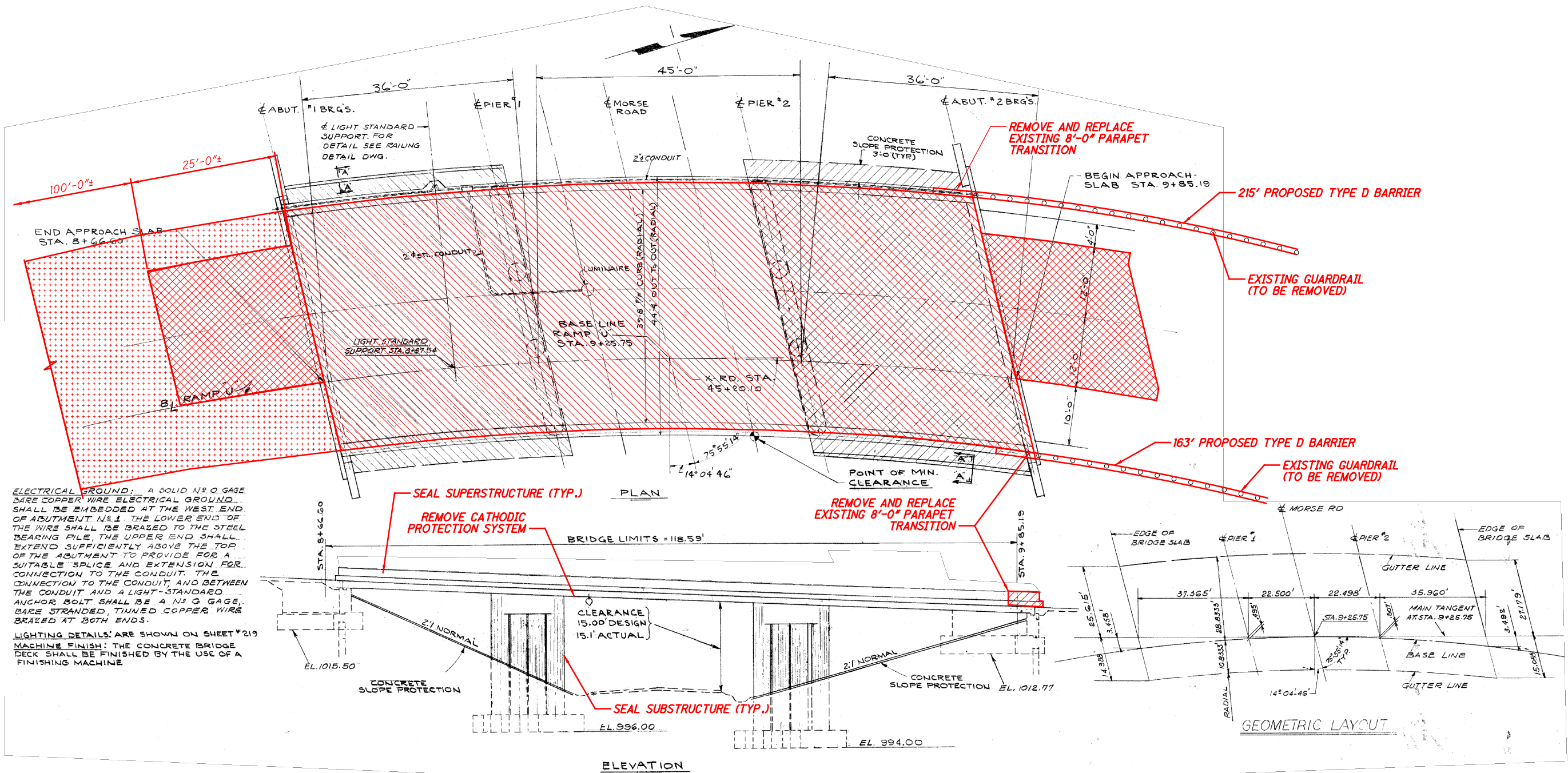
pw:\\V\ANV\A01PW\INT01\parsons.com\Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\076_0824L_TS001.dgn Sheet 6/3/2021 2:53:21 PM KChrisman



NOTE:
1. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.

7/53	2/2	SUM-76/77/8-8.24/09.74/0.00 PID No. 102329	BRIDGE REHABILITATION BRIDGE NO. SUM-76-0824L I-76 OVER MORSE ST.		DESIGNED HM CHECKED KDC	DRAWN HM REVISED	REVIEWED CCJ STRUCTURE FILE NUMBER 7705859	DATE 4/23/2021	DESIGN AGENCY PRIME 8450 Main Road Columbus, Ohio 43231
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ISSUE RECORD:		DESCRIPTION
NO.	DATE	



LEGEND:

- LIMITS OF WEARING COURSE REMOVAL ON BRIDGE DECK
- LIMITS OF WEARING COURSE REMOVAL ON APPROACH SLAB
- REMOVE & REPLACE PARAPET TRANSITIONS
- LIMITS OF MILLING AND OVERLAY ON APPROACHES

ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

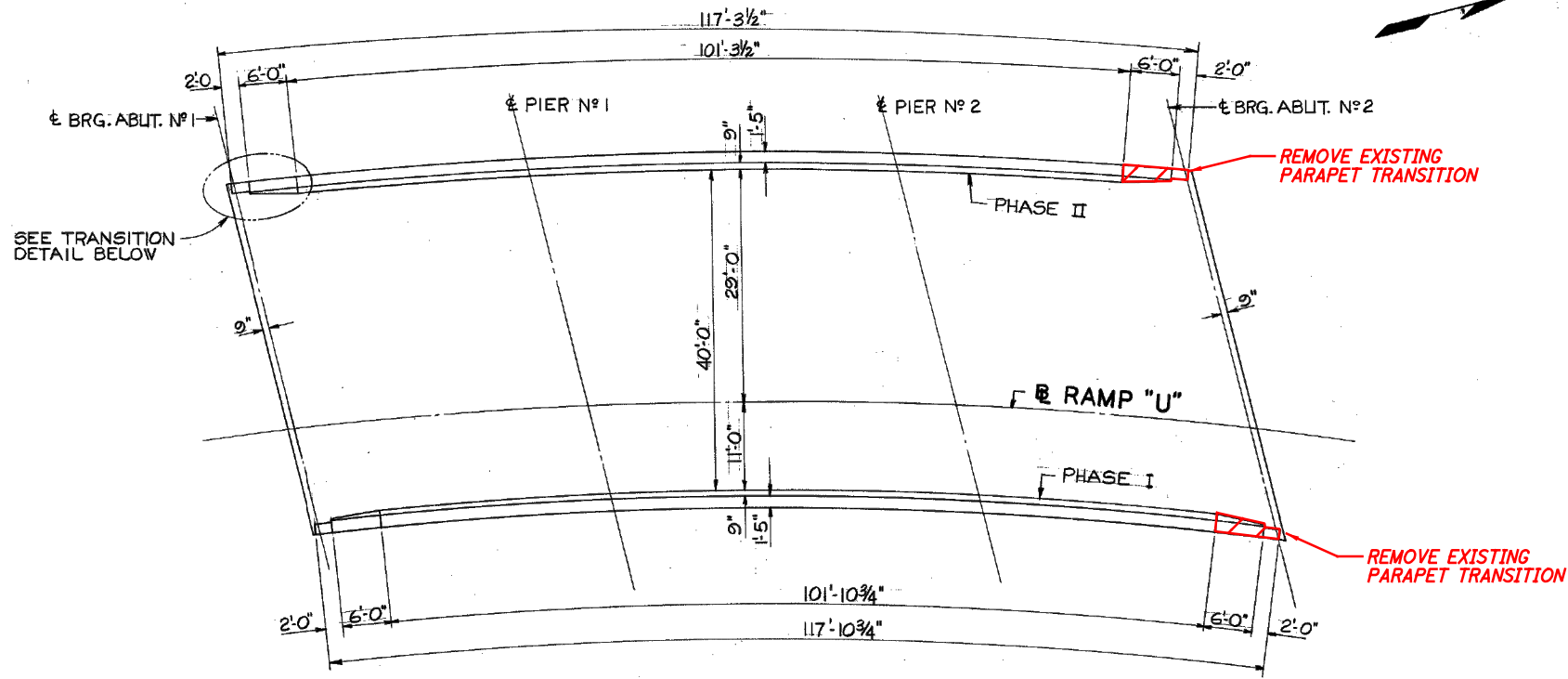
NOTES:

- FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.
- FOR PARAPET TRANSITION DETAILS, SEE SHEET 4/4.
- FOR PARAPET REMOVAL DETAILS, SEE SHEET 2/4.
- FOR PARAPET & RESURFACING DETAILS NORTH OF THE BRIDGE LIMITS, SEE BU-31.

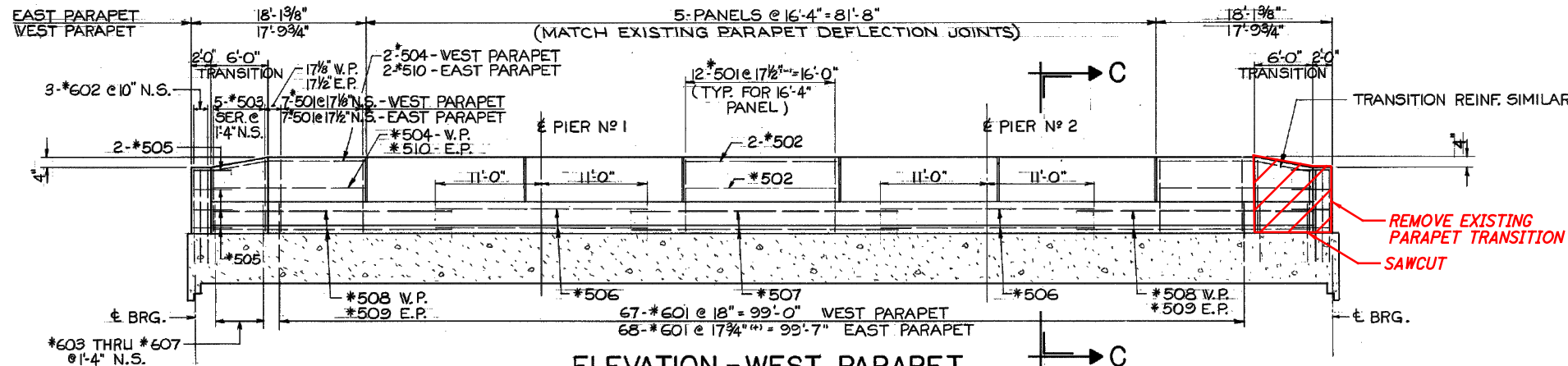
EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 36'-0"±, 45'-0"±, 36'-0"± C/C BEARINGS	
ROADWAY: 42'-0"± F/F PARAPETS	
LOADING: CF 2000(57) ADEQUATE FOR AASHTO ALT. LOADING	
WEARING SURFACE: 1"± MONOLITHIC	
SKEW: 14°04'46"± RIGHT FORWARD	
APPROACH SLABS: 25'-0"± LONG (AS-1-54)	
ALIGNMENT: 11°00'± CURVE RIGHT	
SUPERELEVATION: VARIES	
COORDINATES: LATITUDE 41°03'31"± N LONGITUDE 81°34'3"± W	

ISSUE RECORD:	NO.	DATE	DESCRIPTION

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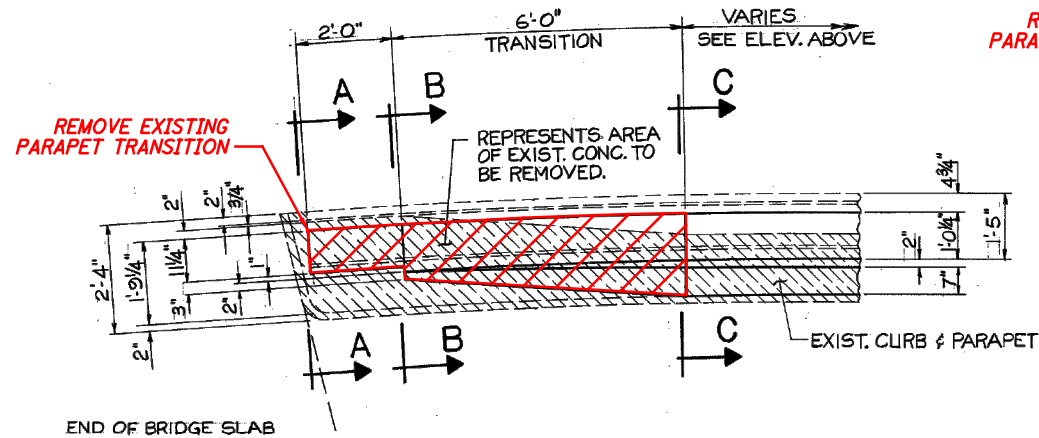


PLAN - RAMP "U" OVER MORSE ROAD

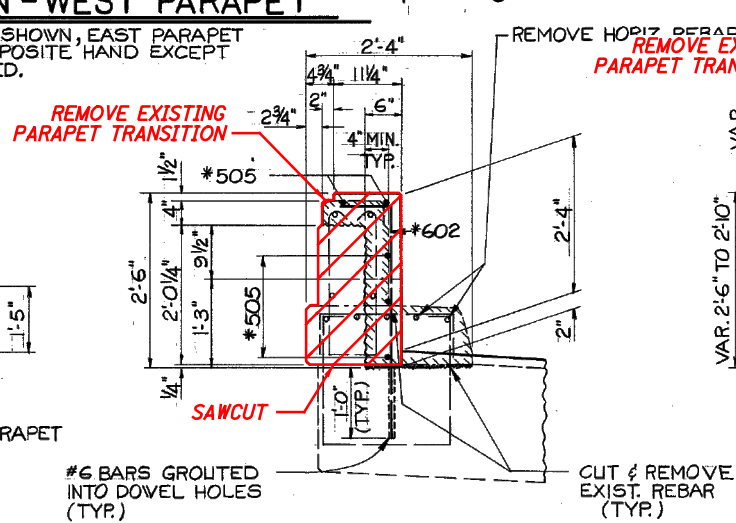


ELEVATION - WEST PARAPET

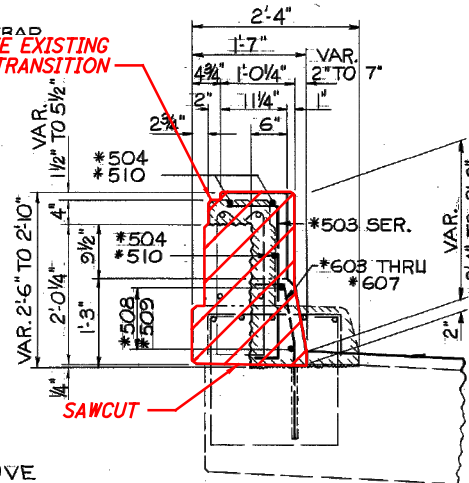
NOTE: WEST PARAPET SHOWN, EAST PARAPET SIMILAR BUT OPPOSITE HAND EXCEPT WHERE AS NOTED.



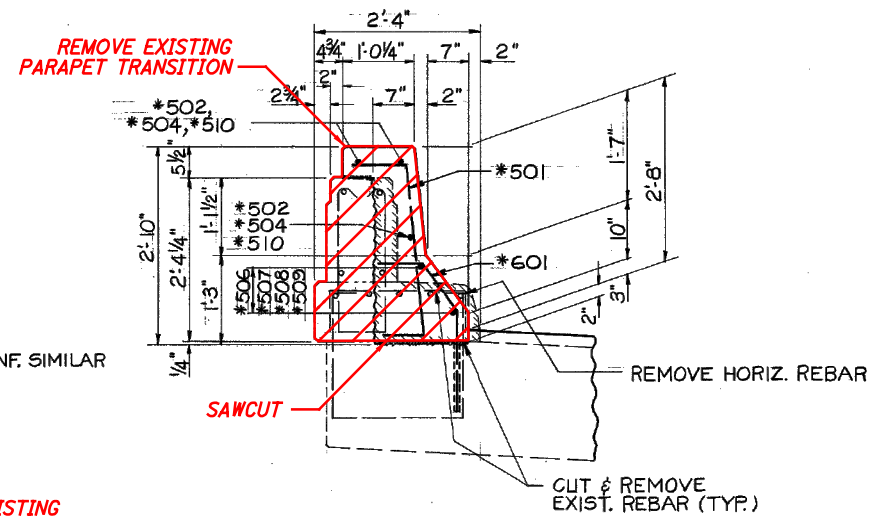
PLAN - PARAPET TRANSITION DETAIL



SECTION A-A



SECTION B-B



SECTION C-C

LEGEND:

- LIMITS OF REMOVAL

ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

NOTE:

1. FOR PARAPET DETAILS, SEE SHEET 4/4.

1. THE PREFIX "1S" SHALL BE ADDED TO ALL PHASE I PARAPET REINFORCING MARKS AND THE PREFIX "2S" SHALL BE ADDED TO ALL PHASE 2 PARAPET REINFORCING MARKS. FOR REINFORCING SCHEDULE, SEE SHEET 47/50. FOR REINFORCING NOTES, SEE SHEET 19/50.
2. REINFORCING STEEL SHOWN THUS (*) TO BE EPOXY COATED.
3. FOR ADDITIONAL DETAILS AND NOTES, SEE STD. DRAWING BR-1.
4. HOLES FOR SPLICE BOLTS ATTACHING GUARDRAIL TO THE TERMINAL CONNECTOR AT ENDS OF PARAPETS SHALL BE SLOTTED 29/32"x3" AND ALL BOLTS SHALL BE TIGHTENED AS SPECIFIED FOR EXPANSION JOINTS AS PER CHS 606.05 TO ALLOW FOR BRIDGE MOVEMENT.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

SUM-76/77/8-8.24/09.74/0.00
PID No. 102329

2/4

9/53

REMOVAL DETAILS

BRIDGE NO. SUM-76-0824UR
RAMP U OVER MORSE ROAD

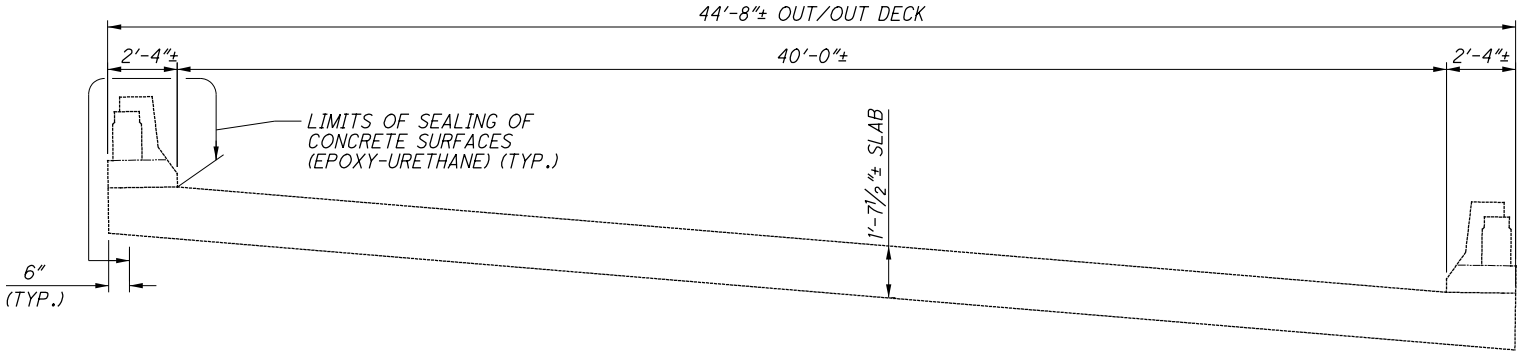
DESIGNED KDC
CHECKED JAT

DRAWN KDC
REVISED

REVIEWED CCJ
DATE 4/23/2021
STRUCTURE FILE NUMBER

DESIGN AGENCY
PRIME
8450 N. Rte. 300
Columbus, Ohio 43231

ISSUE RECORD:	
NO.	DATE



TRANSVERSE SECTION

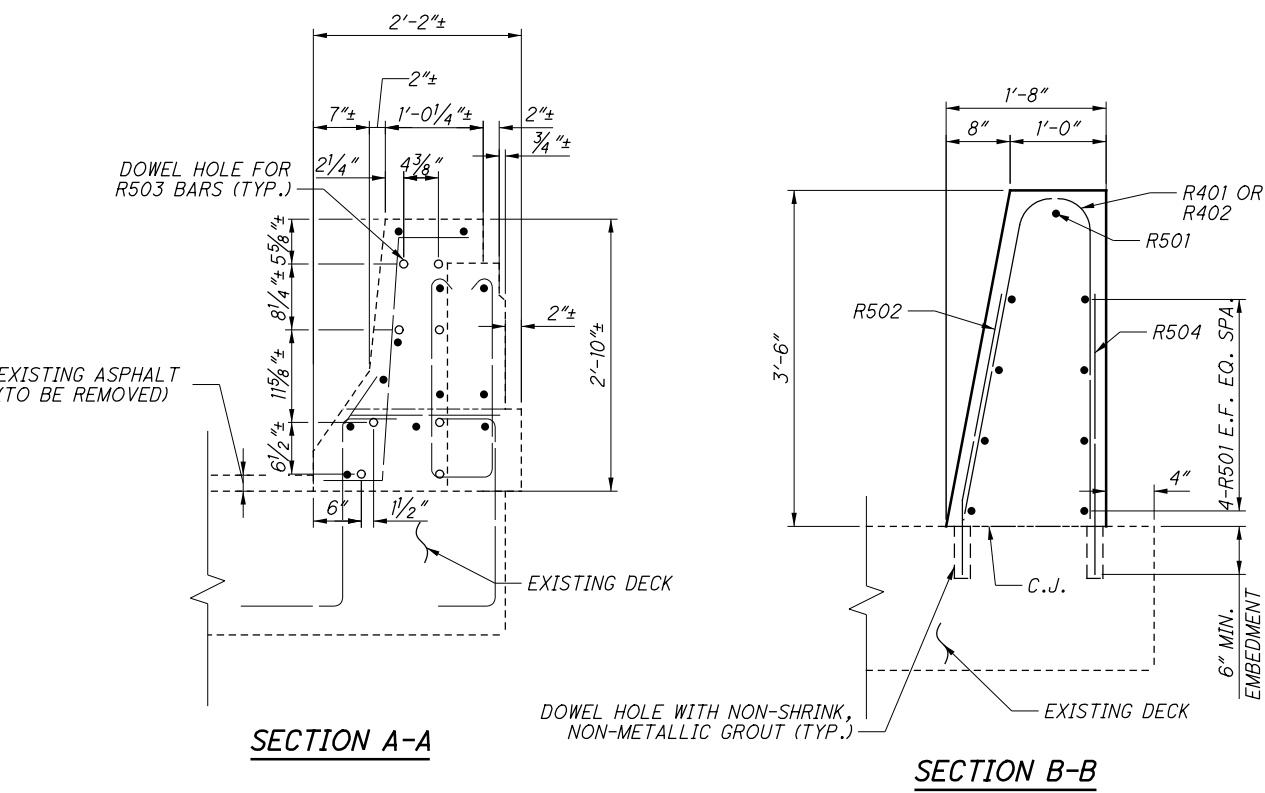
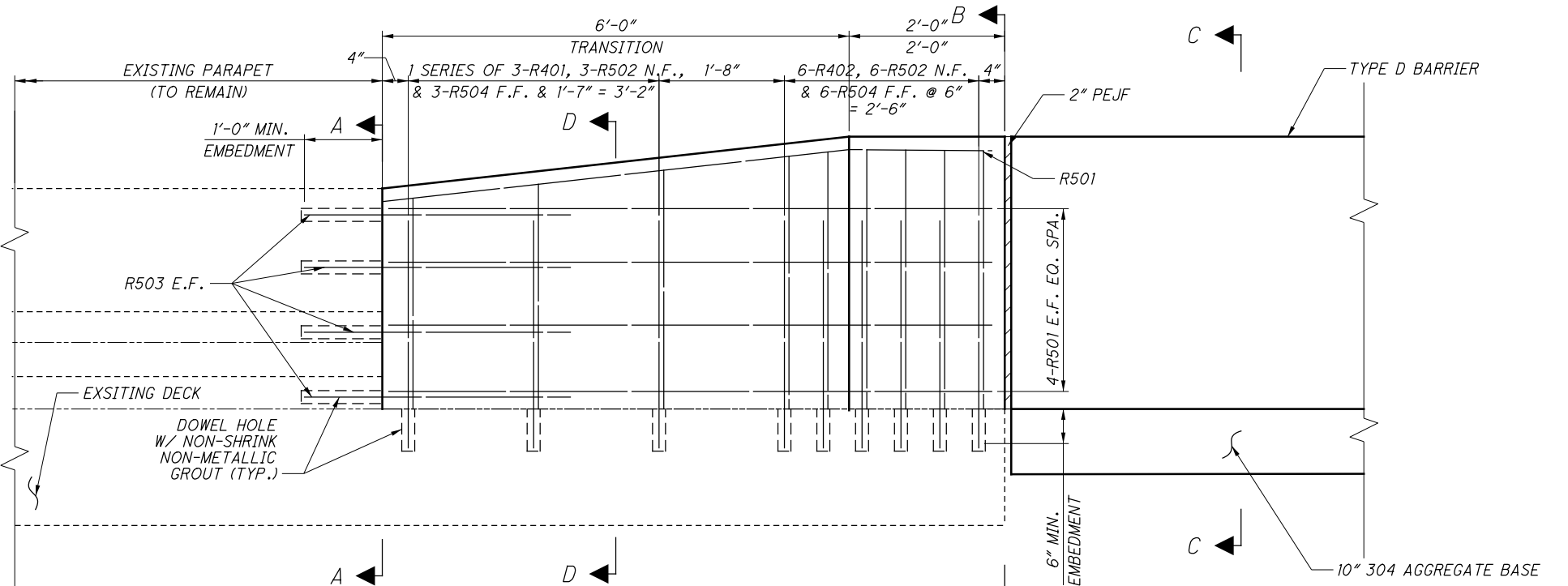
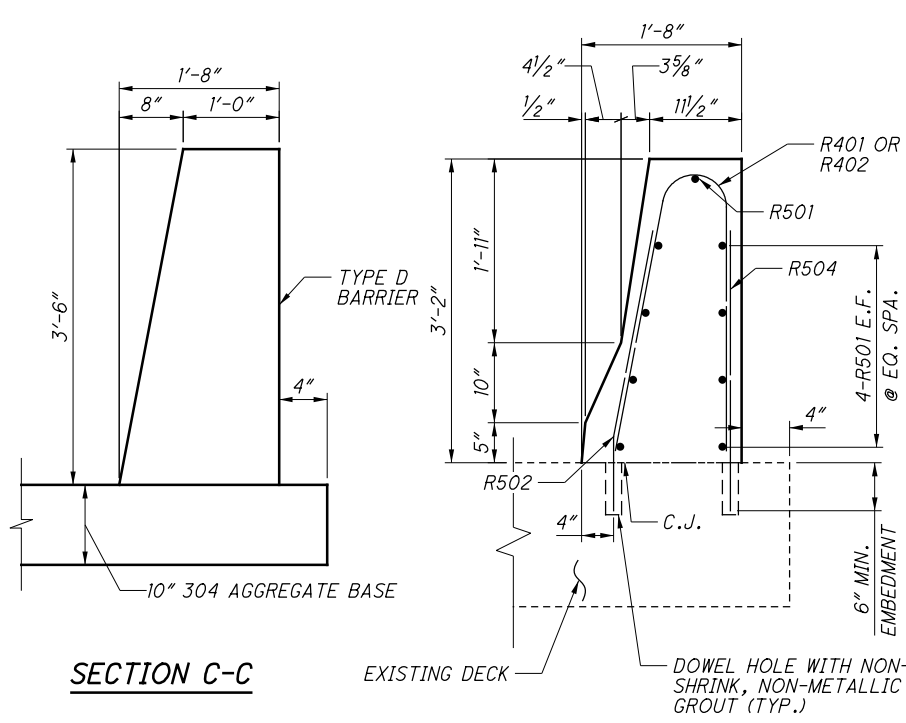
NOTE:

1. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.

3/4	10/53	SUM-76/77/8-8.24/09.74/0.00 PID No. 102329		BRIDGE REHABILITATION BRIDGE NO. SUM-76-0824UR RAMP U OVER MORSE RD.		DESIGNED HM	DRAWN HM	REVIEWED CCJ	DATE 4/23/2021	DESIGN AGENCY PRIME 6450 N. State Rd. Suite 300 Columbus, Ohio 43231	
						CHECKED KDC	REVISED	STRUCTURE FILE NUMBER 7705883			

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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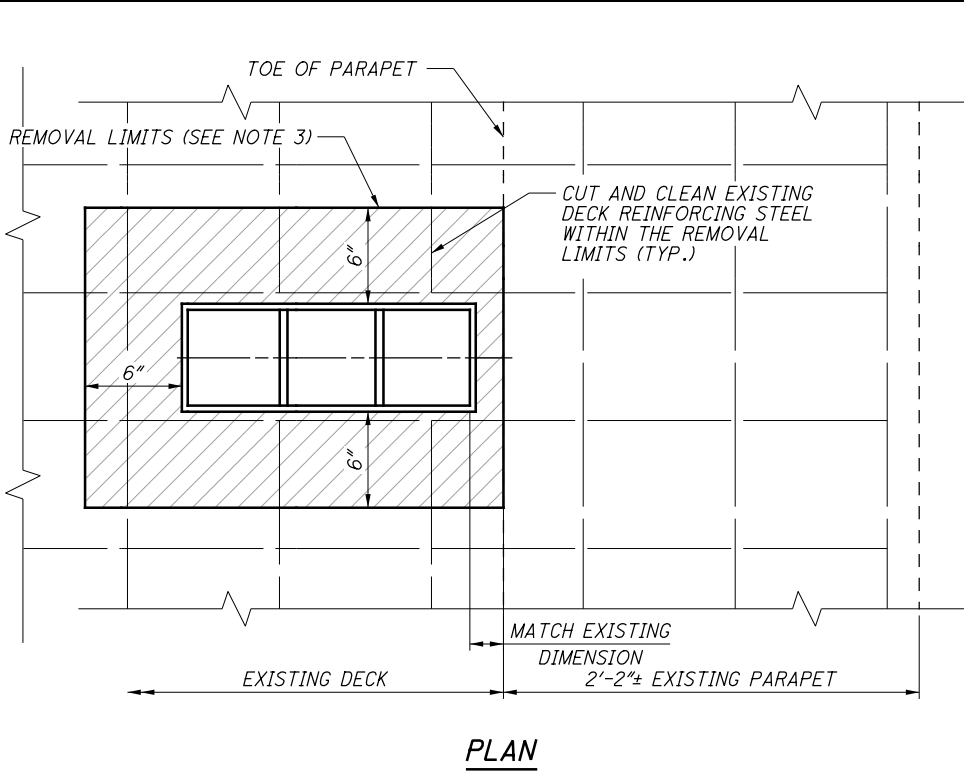


MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL				A	B	C	D	R	INC
PARAPET TRANSITIONS										
	2 SER.	5'-9"						2'-8"		
R401	OF	TO	24	35	-	-	-	TO	4"	1½"
	3	6'-3"						2'-11"		
R402	12	6'-7"	53	35	-	-	-	3'-1"	4"	
R501	18	7'-8"	144	STR						
R502	18	2'-9"	52	10	2'-1"	5"	9"	-		
R503	16	3'-5"	57	STR						
R504	16	2'-11"	49	STR						
SUB-TOTAL			379							

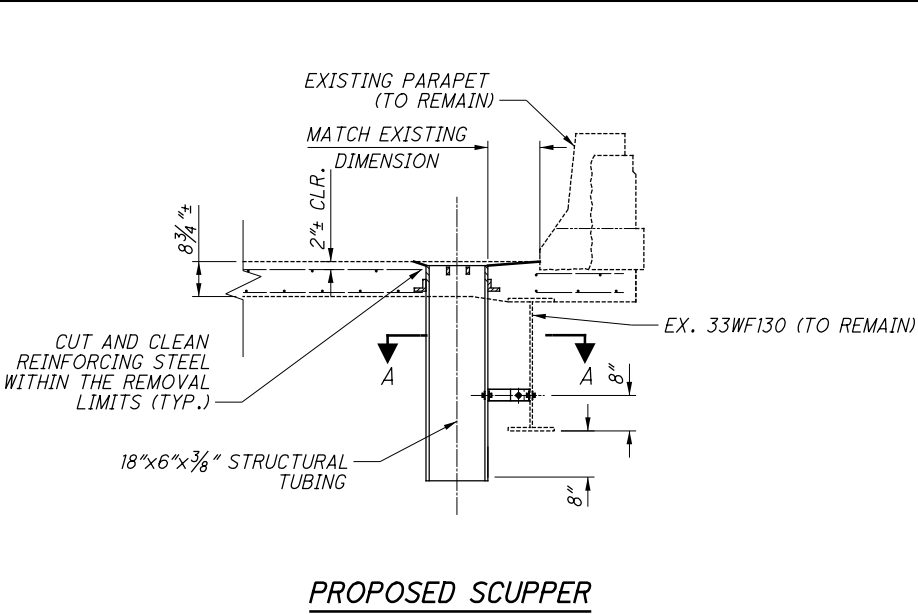
- NOTES:**
- FOR ADDITIONAL DETAILS, SEE ODOT STD. DRAWING RM-4.5.
 - FOR REMOVAL LIMITS, SEE SHEET 2/4.
 - FIELD BEND BARS AS NECESSARY TO FIT WITHIN PARAPET TRANSITION.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

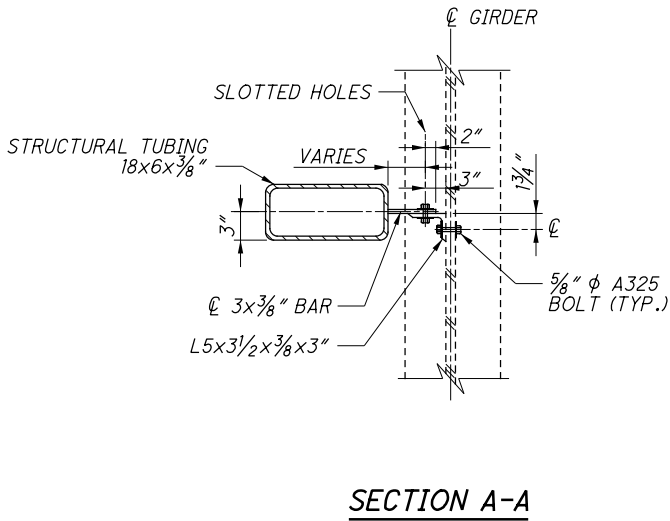
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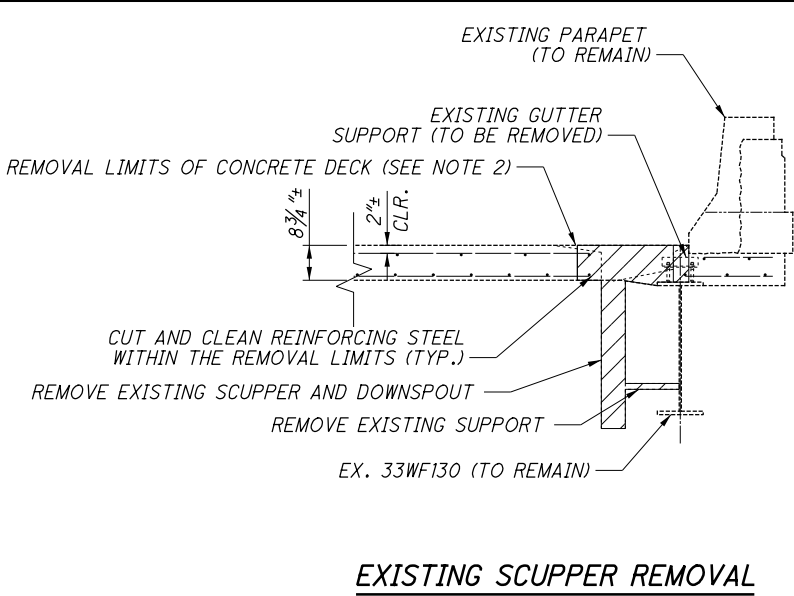
PLAN



PROPOSED SCUPPER



SECTION A-A



EXISTING SCUPPER REMOVAL

NOTES:

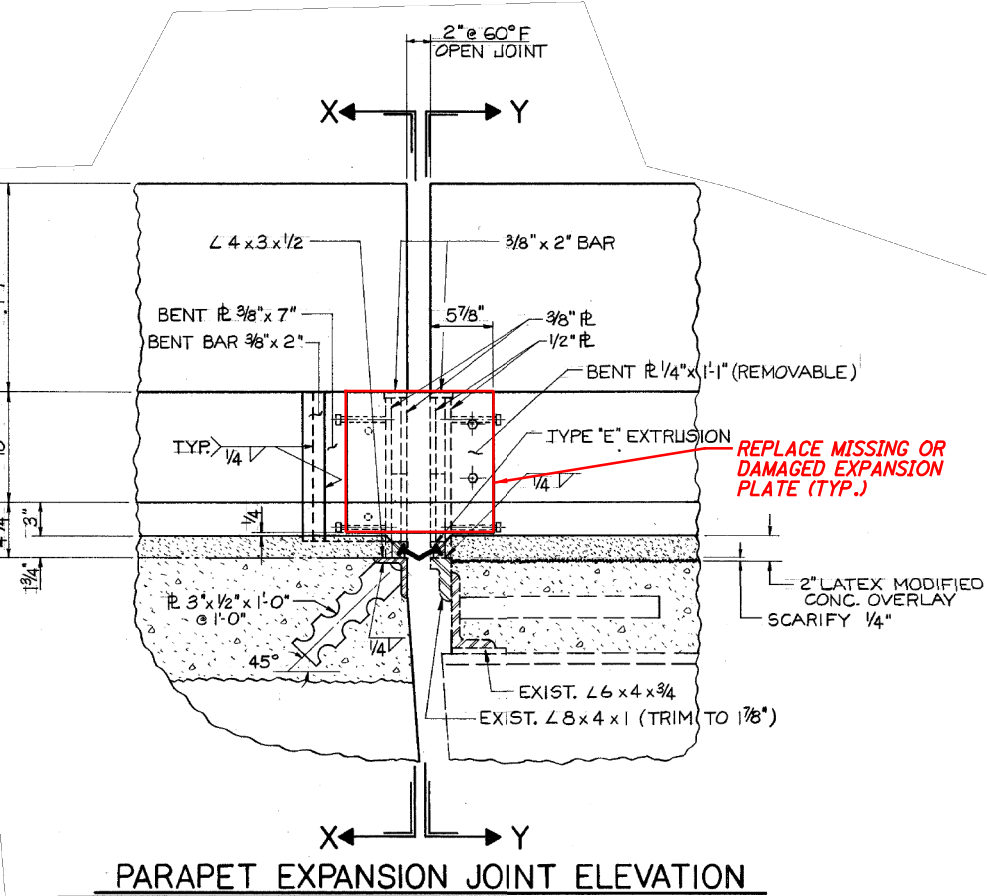
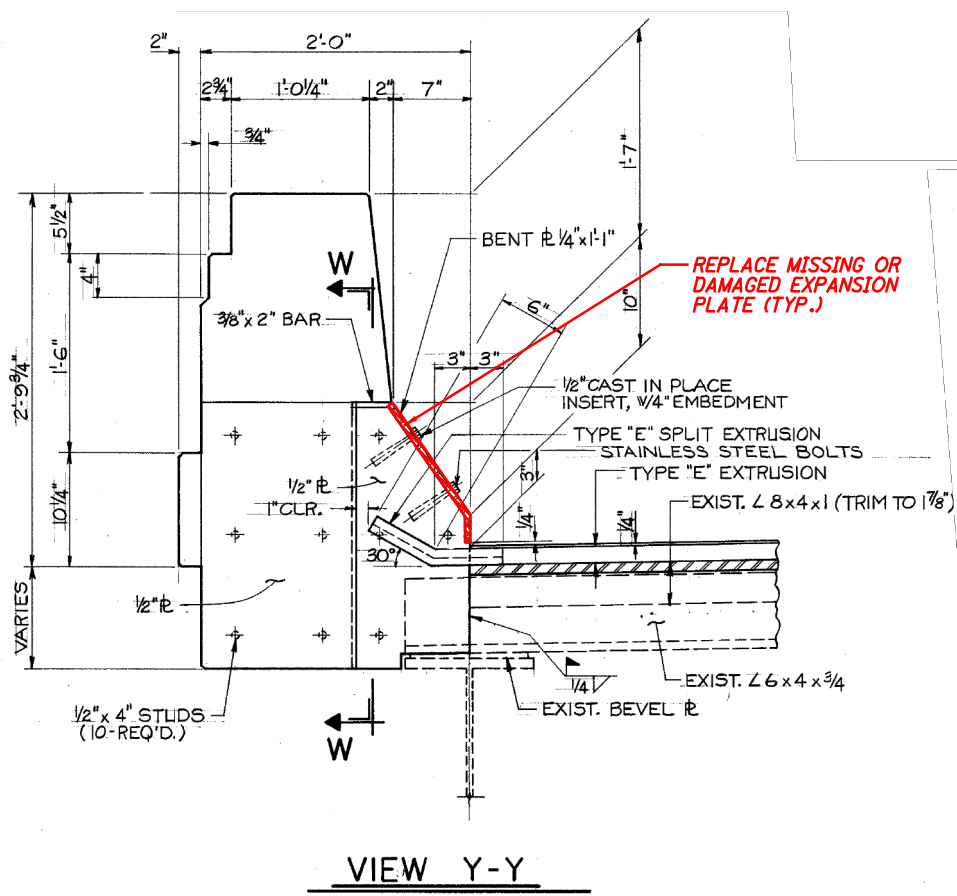
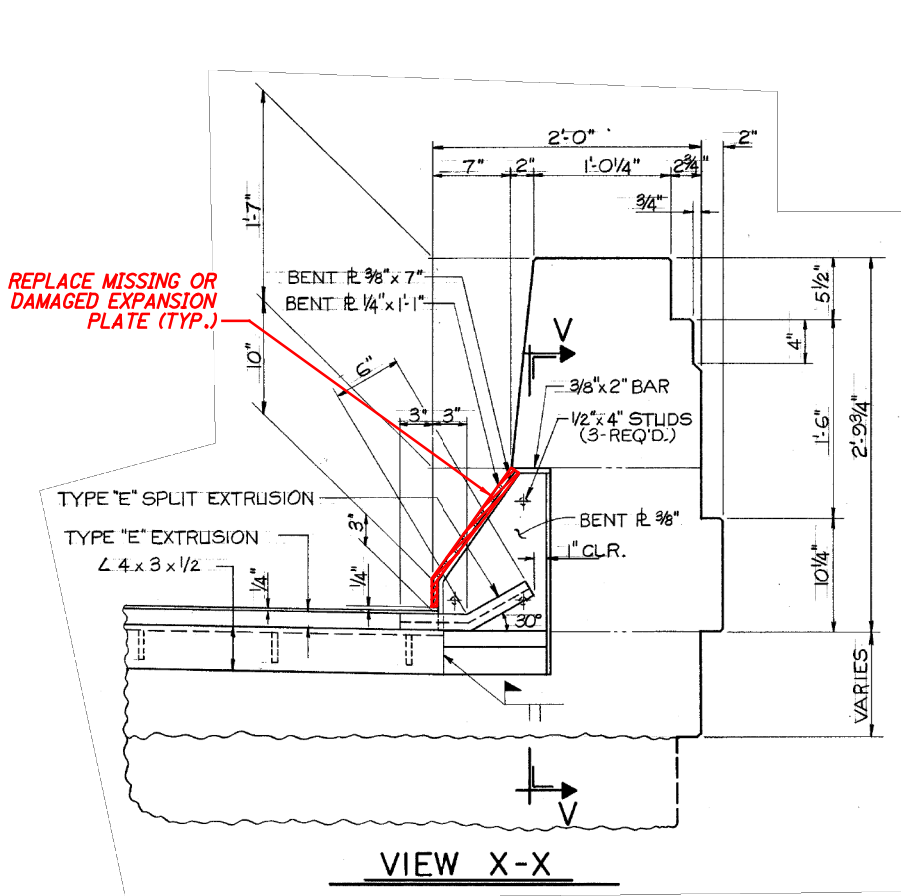
- FOR ADDITIONAL DETAILS, SEE STD. DWG. GSD-1-19.
- REMOVE EXISTING CONCRETE BY SAW-CUTTING 1 1/2" DEEP AROUND THE SPECIFIED PERIMETER. THE REMAINDER IS TO BE HAND CHIPPED TO PRESERVE EXISTING REINFORCING STEEL.
- CUT AND CLEAN EXISTING REINFORCING STEEL WITHIN THE REMOVAL LIMITS TO PROVIDE 2" CLEAR OF THE SCUPPER PER ODOT C&MS 509.09.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 6450 State Route 300 Columbus, Ohio 43231		DATE	4/23/2021
		REVIEWED	CCJ
SCUPPER DETAILS BRIDGE NO. SUM-76-0831L I-76 WB OVER I-77		DRAWN	JAT
		CHECKED	KDC
SUM-76 / 77 / 8- 8.24 / 09.74 / 0.00		STRUCTURE FILE NUMBER	7703570
		PID No.	102329
3 / 4 14 / 53			

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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PARAPET EXPANSION PLATE REPAIR DETAILS

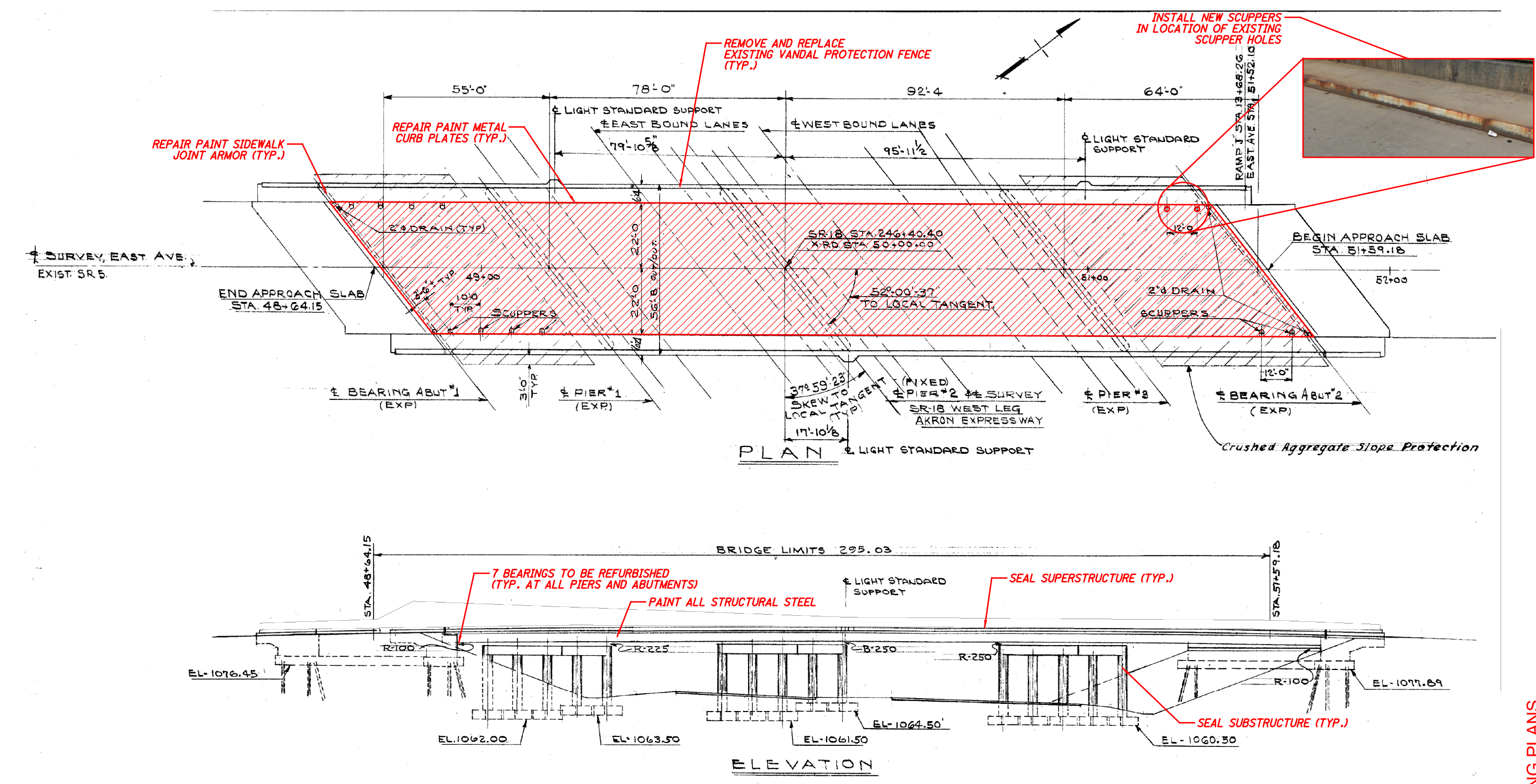
ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

NOTE:
1. REPLACE MISSING OR DAMAGED PARAPET EXPANSION PLATES IN THE NORTHBOUND PARAPETS AT BOTH ABUTMENTS. THE CONTRACTOR SHALL INSPECT ALL PARAPET EXPANSION PLATES FOR DAMAGE. REPLACEMENT OF THE PARAPET EXPANSION PLATES AND NECESSARY ATTACHMENT HARDWARE SHALL BE INCLUDED IN THE LUMP SUM PRICE PAY ITEM FOR BRIDGE NO. SUM-76-0831L. ANY ADDITIONAL REPAIRS AS A RESULT OF THE INSPECTION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER IN CHARGE AND THE COST OF MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM.

EXPANSION JOINT DETAILS		BRIDGE NO. SUM-76-0831L	PID No. 102329	4/4	15/53
DESIGNED	KDC	CHECKED	JAT	DATE	4/23/2021
DRAWN	KDC	REVIEWED	CCJ	STRUCTURE FILE NUMBER	7703570
DESIGN AGENCY		PRIME			
DATE		6/3/2021			
COLUMBUS, OHIO		43201			

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:
[Red Hatched Box] - LIMITS OF GRAVITY FED RESIN

- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET [2/53] THRU [5/53].
 2. FOR TRANSVERSE SECTION, SEE SHEET [2/7].
 3. FOR SCUPPER DETAILS, SEE SHEET [5/7].
 4. FOR SIDEWALK CURB DETAILS, SEE SHEET [7/7].
 5. FOR VPF DETAILS SEE SHEET [3/7].

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK & SUBSTRUCTURE	
SPANS: 55'-0"±, 78'-0"±, 92'-0"±, 64'-0"± C/C BEARINGS	
ROADWAY: 44'-0"± F/F OF 5'-2"± SIDEWALKS	
LOADING: CF 400(57)	
WEARING SURFACE: 1"± MONOLITHIC	
SKEW: 37°59'23"± RIGHT FORWARD	
APPROACH SLABS: 25'-0"± LONG (AS-1-54)	
ALIGNMENT: TANGENT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°03'35"± N LONGITUDE 81°33'29"± W	

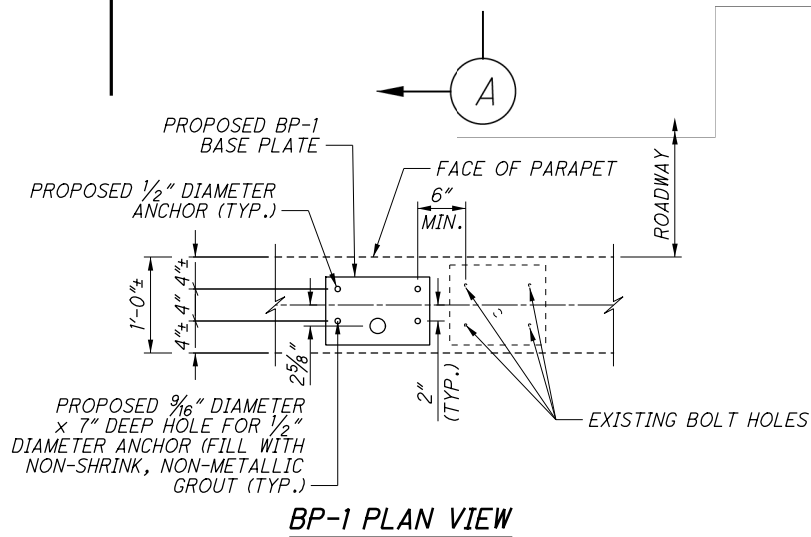
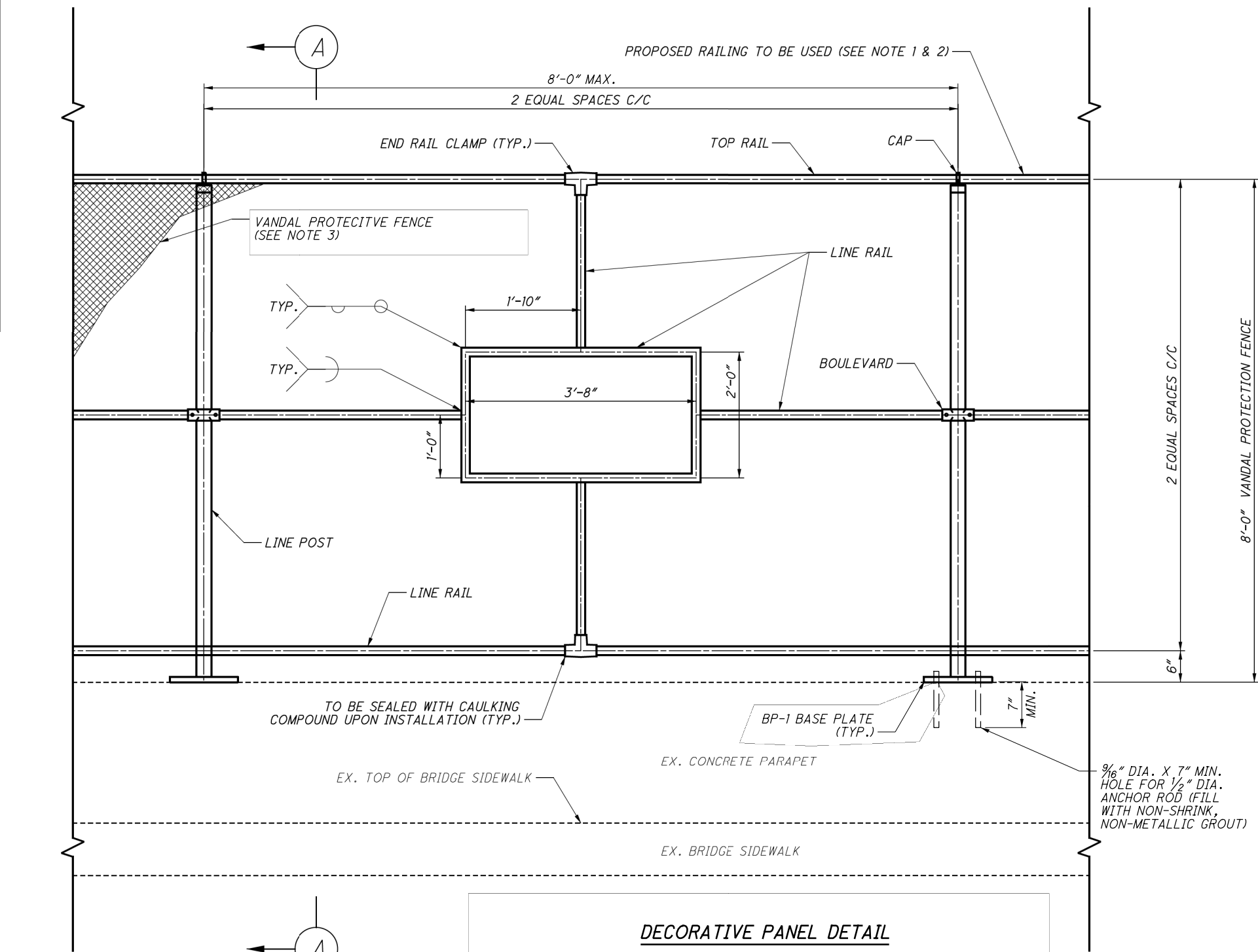
GENERAL PLAN	
BRIDGE NO. SUM-76-0876 EAST AVE. OVER I-76	
SUMMIT COUNTY STA. 48+64.15± STA. 51+59.18±	
DESIGN AGENCY PRIME 4445 N. STATE ST. COLUMBUS, OHIO 43231	
DATE 4/23/2021	
STRUCTURE FILE NUMBER 7703546	
DRAWN KDC	
CHECKED JAT	
REVIEWED CCJ	
DATE 4/23/2021	
SUM-76/77/8- 8.24/9.74/0.00	
PID No. 102329	
1/7	
16 53	

2026-03-24 - BU-16 - RECORD DRAWING PLANS



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

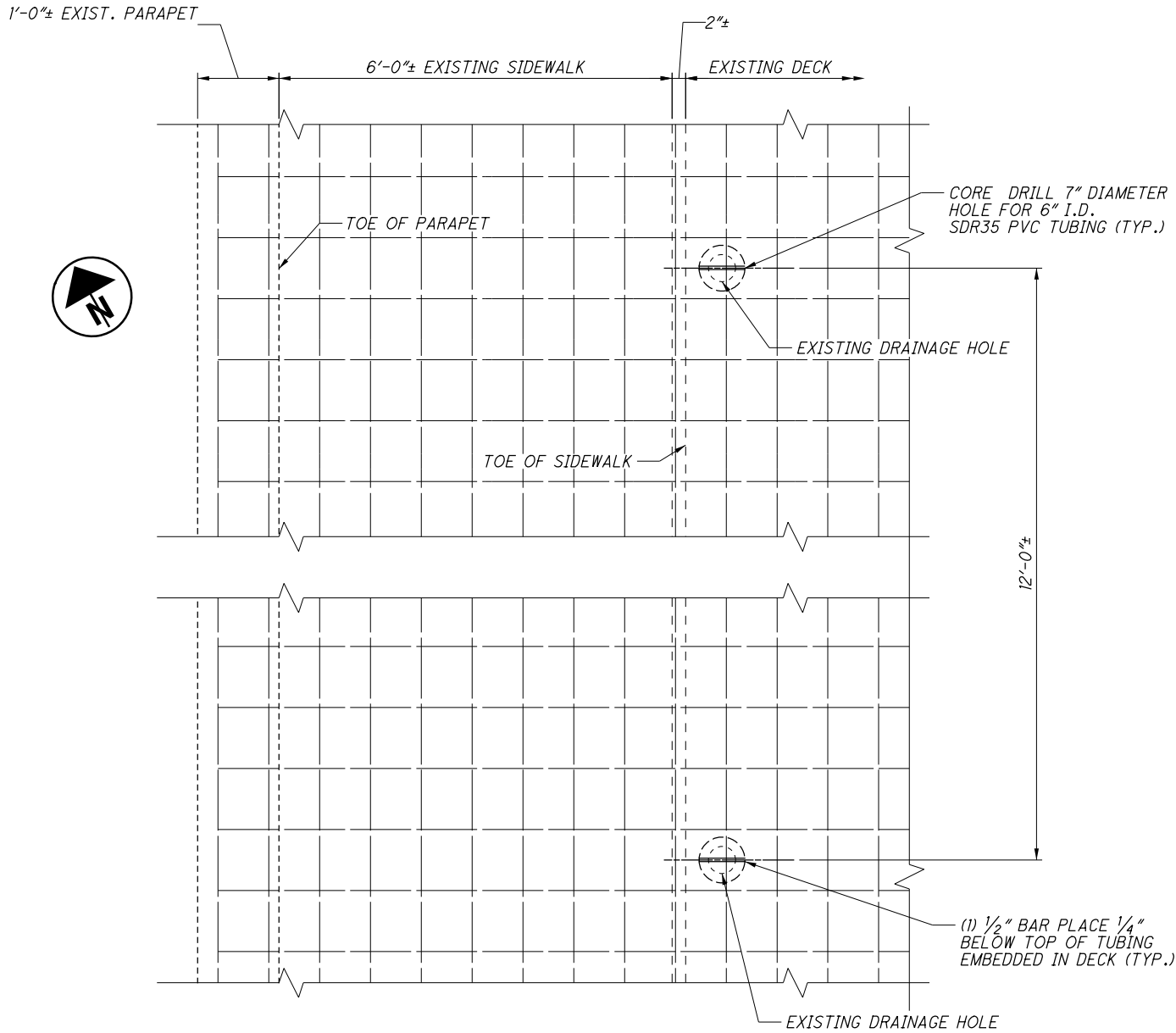
1. ALL POSTS, FENCE FABRIC, RAILS, POSTS, PLATES, TIE WIRES, NUTS, BOLTS, CAULK AND OTHER VISIBLE HARDWARE SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
2. EIGHT (8) FEET HIGH ODOT STANDARD PROTECTIVE FENCING (1" MESH) PER ODOT SCD VPF-1-90 IS REQUIRED. 1" VANDAL PROTECTIVE MESH SHALL BE ATTACHED TO THE PROPOSED ORNAMENTAL METAL FENCE.
3. FOR INFORMATION NOT SHOWN REFER TO SCD VPF-1-90.
4. DECORATIVE PANEL TO BE SPACED EVERY THIRD PANEL.
5. FOR ADDITIONAL VANDAL PROTECTION FENCE DETAILS, SEE SHEET 4/7.



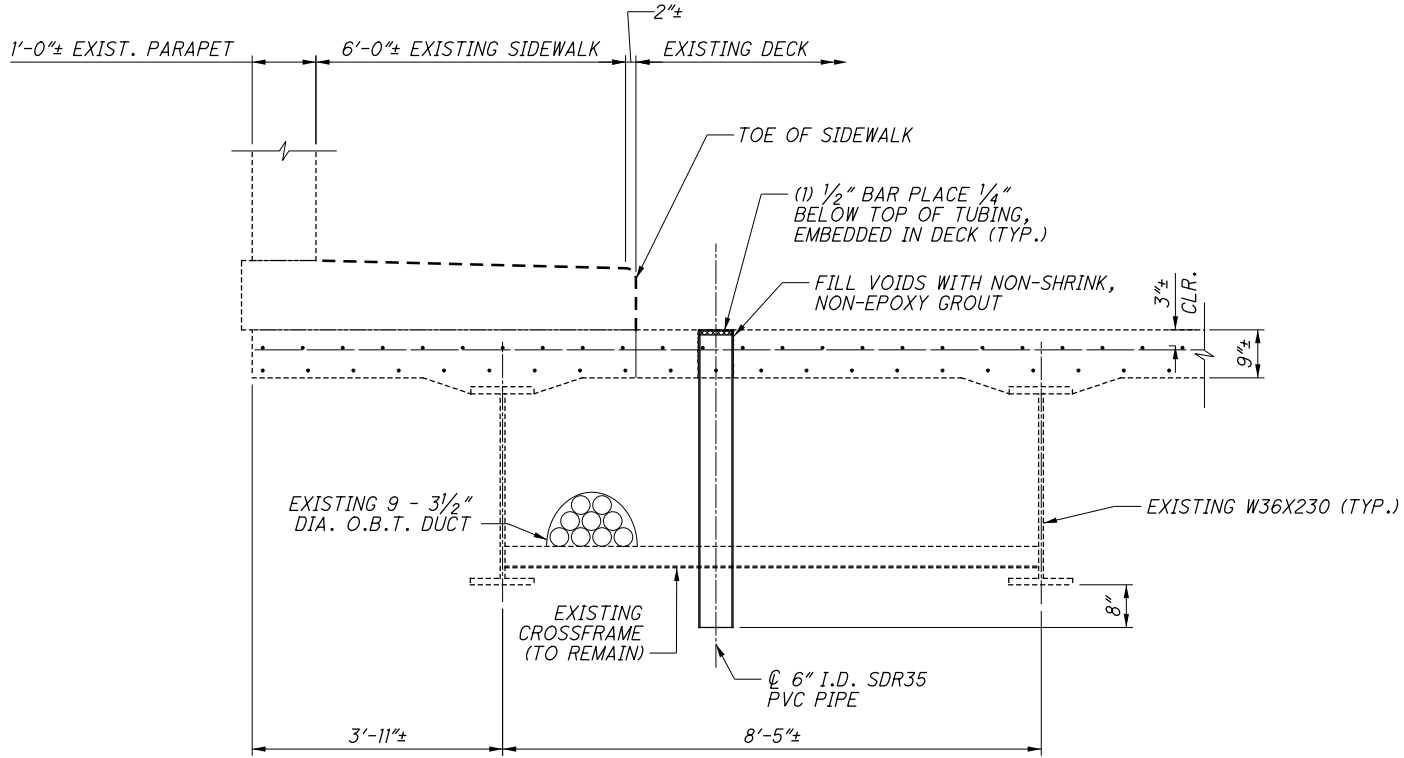
- NOTES:*

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

pw:\\V\\AN\\A01PWINT01\\parsons.com\\Ohio State\\Documents\\DB-Akron Beltway Rehab\\10 - Design\\102329\\Structures\\BU-16\\Sheets\\076_0876_DR001.dgn Sheet 6/3/2021 3:05:30 PM KChrisman



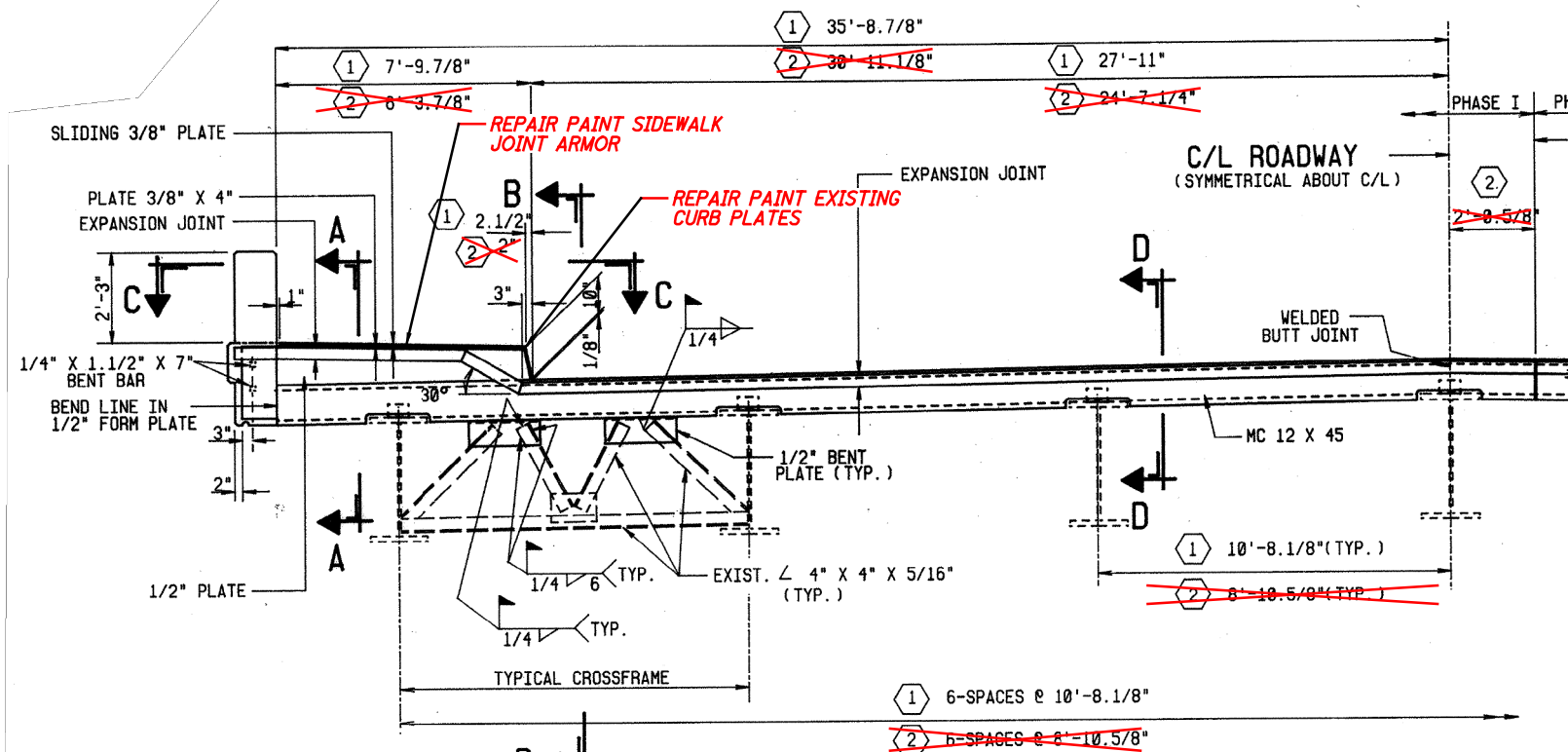
PLAN



ELEVATION

NOTES:

1. FILL ANY VOIDS BETWEEN CORE DRILLED HOLES AND STRUCTURAL TUBING WITH A NON-SHRINK, NON-EPOXY GROUT.



ABUTMENT NO.1 & 2 END CROSSFRAME DETAILS

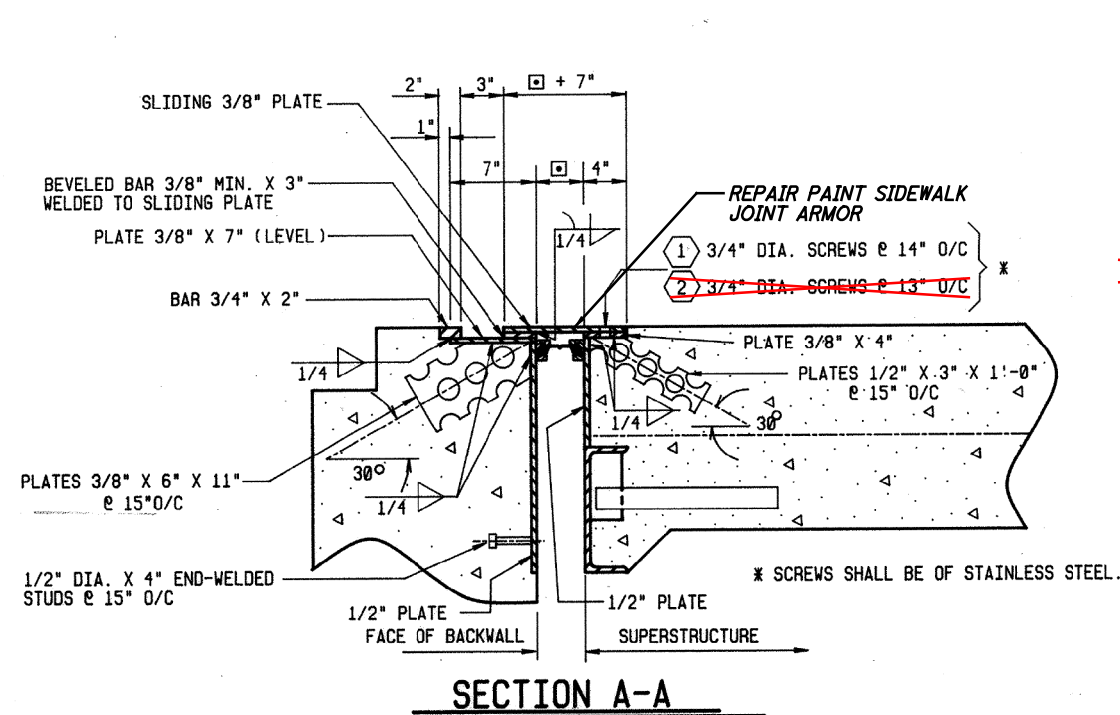
ABUTMENT NO.1 DETAILS SHOWN, ABUTMENT NO.2 DETAILS SIMILAR BUT OPPOSITE HAND

① EAST AVE.		
TEMPERATURE ADJUSTMENT TABLE		
TEMPERATURE @ INSTALLATION (° F)	DIM. "A" (IN.)	
	ABUT. NO.1	ABUT. NO.2
90	1.9/16	1.9/16
80	1.11/16	1.5/8
70	1.3/4	1.3/4
60	1.13/16	1.7/8
50	1.15/16	1.15/16
40	2	2.1/16
30	2.1/16	2.1/8

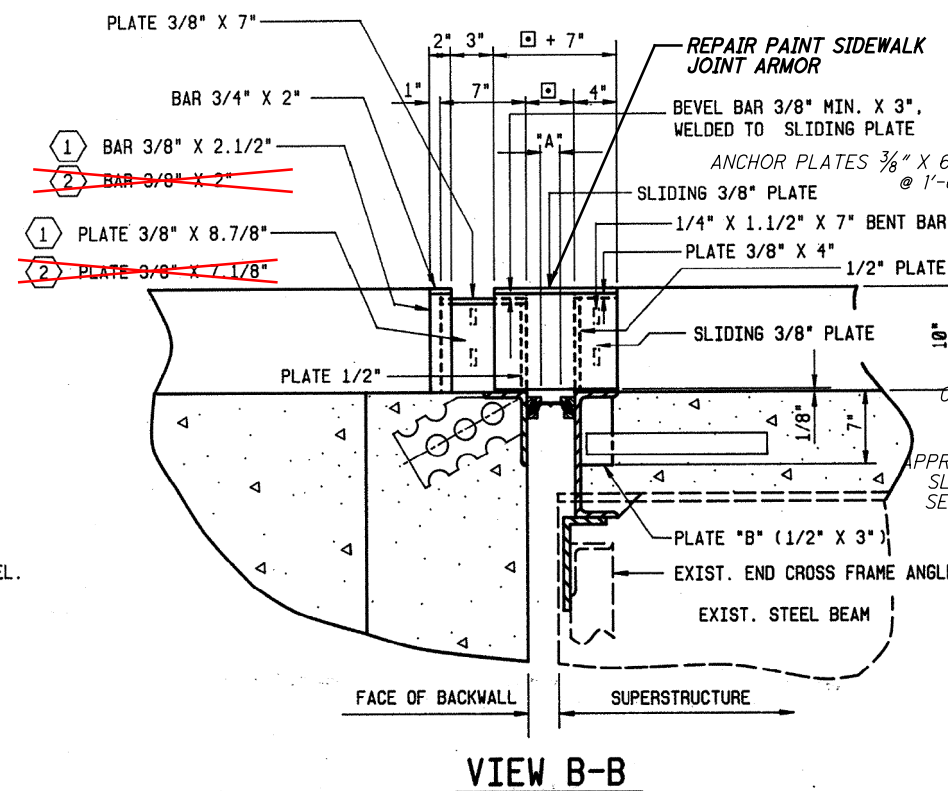
② PRINCETON ST.		
TEMPERATURE ADJUSTMENT TABLE		
TEMPERATURE @ INSTALLATION (° F)	DIM. "A" (IN.)	
	ABUT. NO.1	ABUT. NO.2
90	1.5/8	
80	1.11/16	
70	1.3/4	
60	1.13/16	
50	1.7/8	
40	1.15/16	
30	2	

NOTES

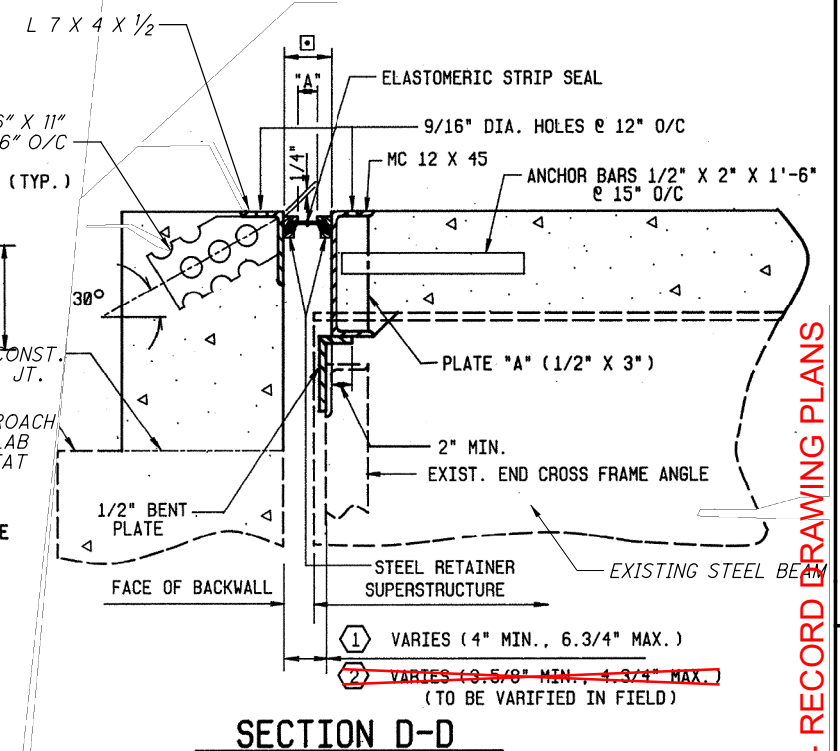
1. LEGEND
 - 1 APPLIES TO BRIDGE NO. SUM-76-0876 (EAST AVE. OVER I-76)
 - 2 ~~APPLIES TO BRIDGE NO. SUM-76-0994 (PRINCETON AVE. OVER I-76)~~
2. FOR VIEW C-C AND SEC. D-D, SEE SHT. NO. 25 / 26
3. ELASTOMERIC STRIP SEAL GLAND FOR THE EXPANSION JOINTS SHALL BE WATSON BOWMAN & ACME MODEL NO. S-300, D.S. BROWN MODEL NO. SS300, OR APPROVED EQUAL.
4. BRIDGE NO. SUM - 76 - 1000: THE JOINT INSTALLATION SHALL BE PART-LENGTH IN ACCORDANCE WITH THE LIMITS SHOWN FOR PHASE I & II CONSTRUCTION. HOWEVER, IN PHASE II INSTALLATION, THE ELASTOMERIC SEAL ELEMENT INSTALLED IN PHASE I SHALL BE REMOVED AND REPLACED WITH A FULL LENGTH ONE-PIECE SEAL ELEMENT (WITHOUT ANY JOINT) COVERING THE FULL WIDTH OF THE BRIDGE.



SECTION A-A



VIEW B-B



SECTION D-D

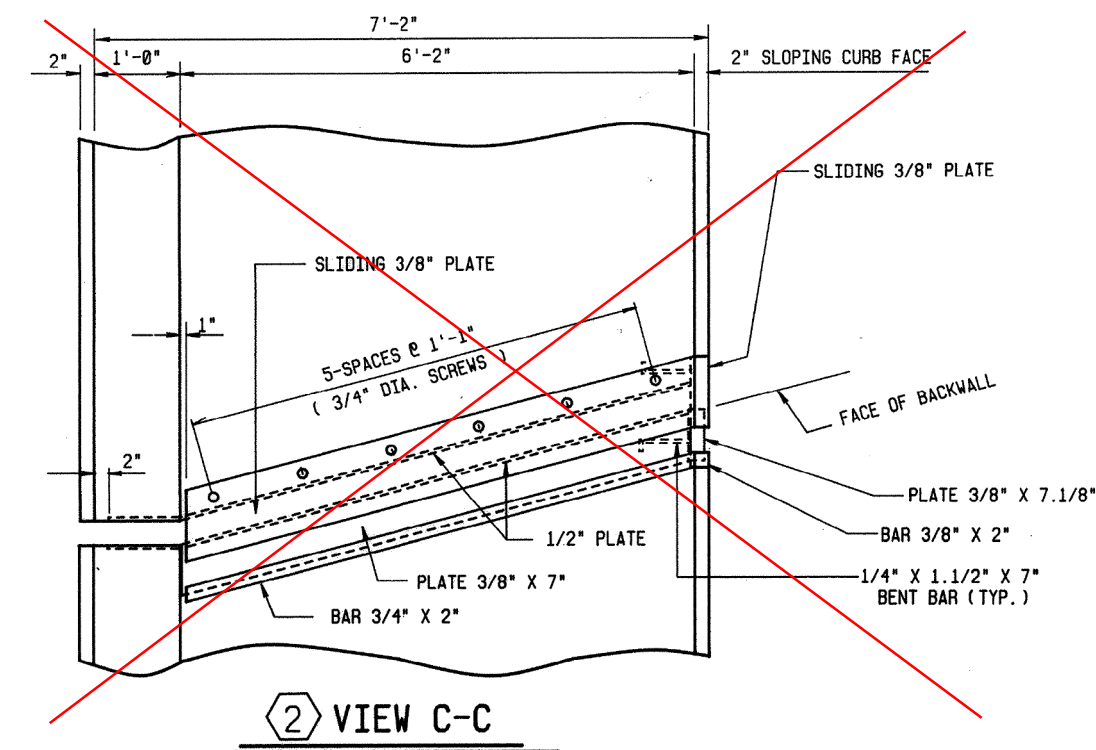
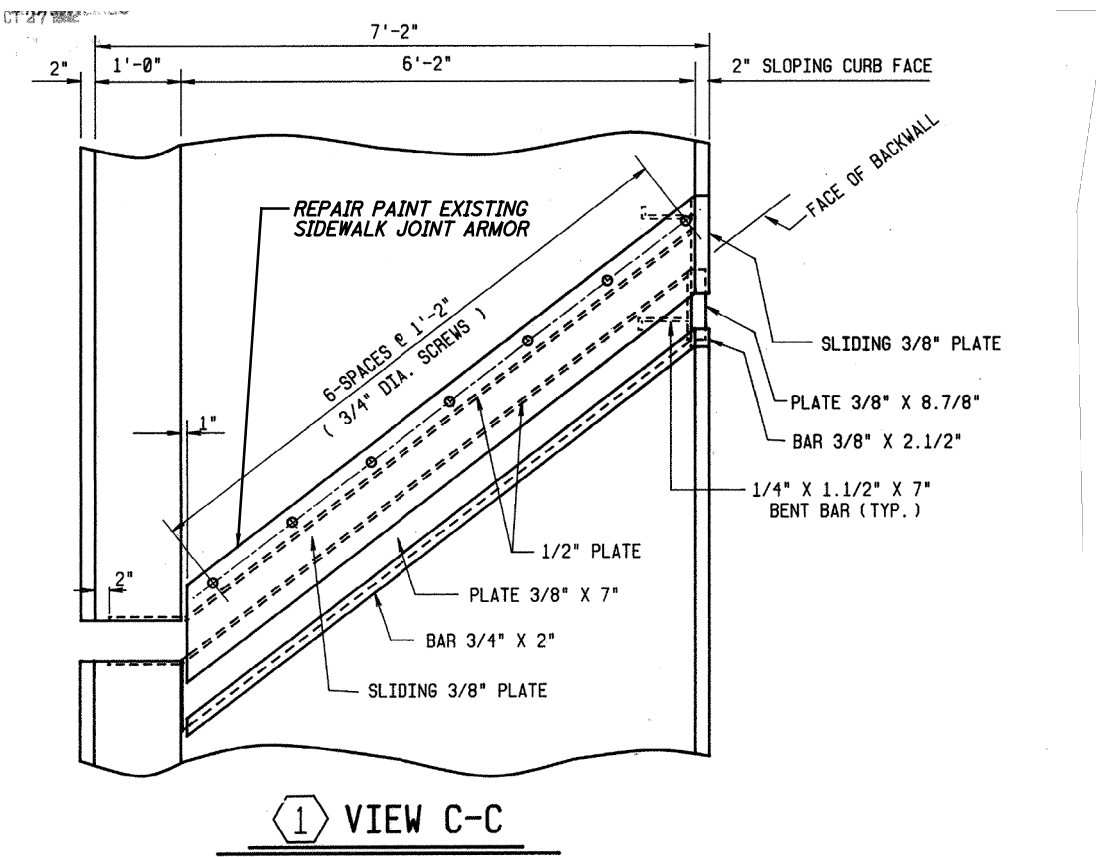
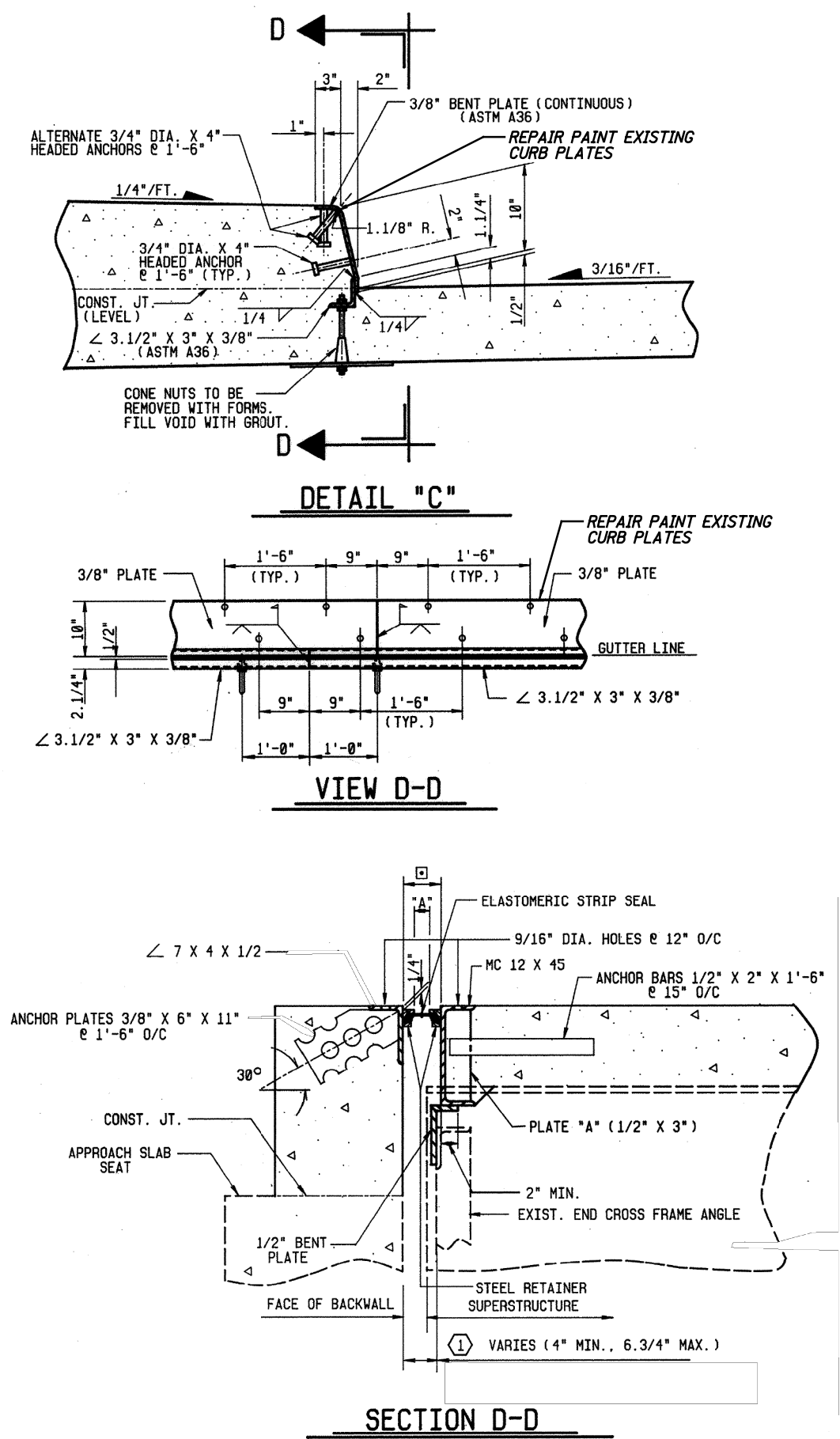
NOTE:

1. REPAIR PAINT SIDEWALK
JOINT ARMOR

ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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 2026-03-24 - BU-16 - RECORD DRAWING PLANS



LEGEND:

1 APPLIES TO SUM-76-0876 (EAST AVE. OVER I-76)

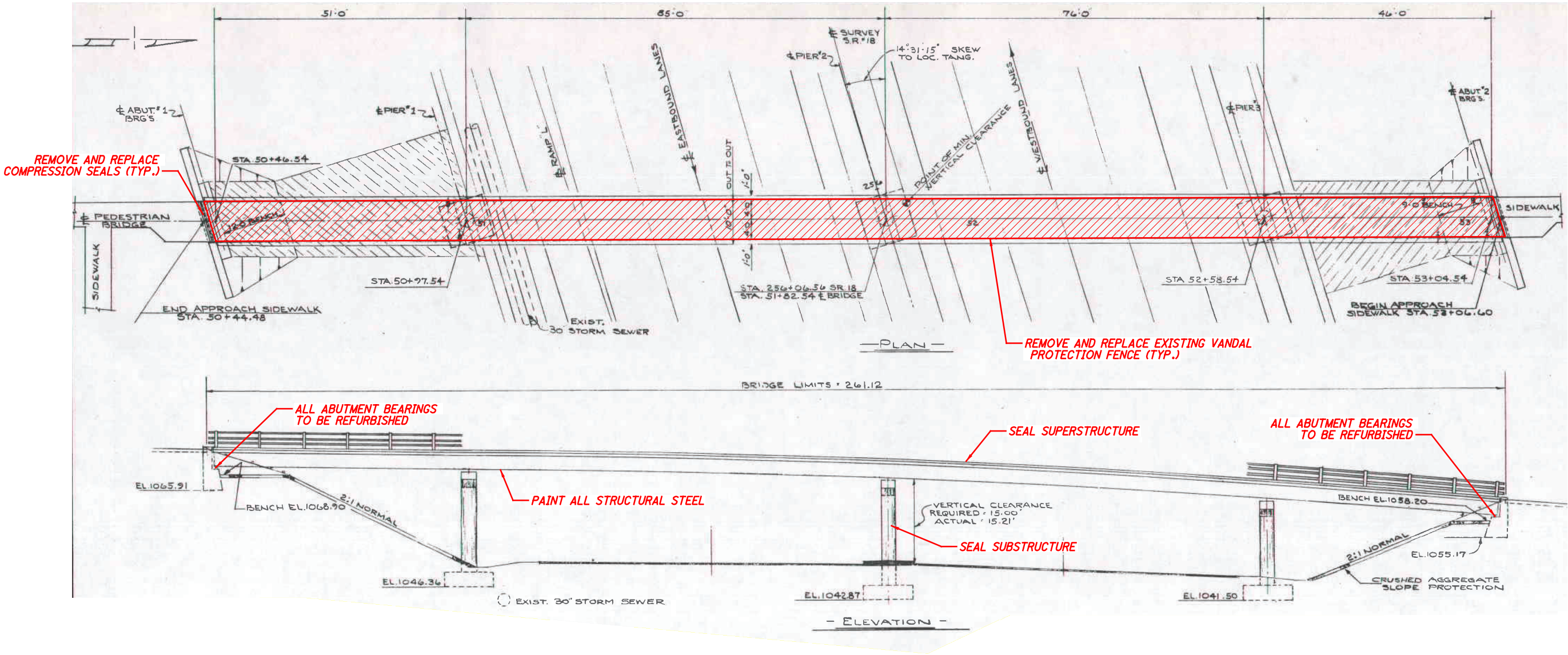
ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

NOTE:

1. REPAIR PAINT EXISTING CURB PLATES & SIDEWALK JOINT ARMOR PER C&MS 514.22.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

p:\V\ANV\A01PW\INT01.parsons.com:Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\076-0894_GPO01.dgn Sheet 6/3/2021 3:09:44 PM KChrisman



ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:

- LIMITS OF GRAVITY FED RESIN

NOTES:

1. FOR GENERAL NOTES, SEE SHEET **2/53** THRU **5/53**.
2. FOR TRANSVERSE SECTION, SEE SHEET **2/4**.
3. FOR EXPANSION JOINT DETAILS, SEE SHEET **4/4**.
4. FOR VANDAL PROTECTION FENCE DETAILS, SEE SHEET **3/4**.

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK & SUBSTRUCTURE	
SPANS: 51'-0"±, 85'-0"±, 76'-0"±, 46'-0"± C/C BEARINGS	
ROADWAY: 8'-0"± TOE/TOE CURB	
LOADING: 85 PSF LIVE LOAD	
SKEW: 14°31'15"± RIGHT FORWARD TO LOCAL TANGENT	
APPROACH SLABS: NONE	
ALIGNMENT: STRAIGHT	
SUPERELEVATION: NONE	
COORDINATES: LATITUDE 41°03'36"± N LONGITUDE 81°33'16"± W	

23
53

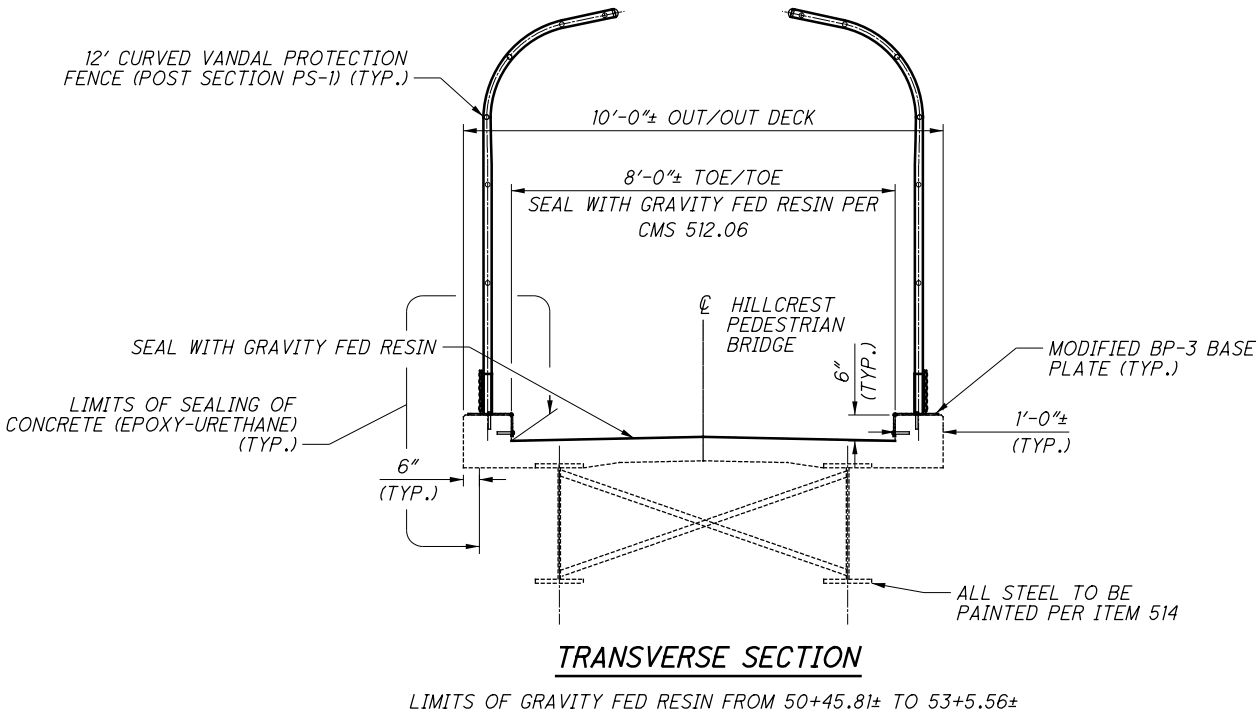
1 / 4

2026-03-24 - BU-16 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY	DESIGNED	DRAWN	REVIEWED	DATE
BRIDGE NO. SUM-76-0894		STA. 50+44.48±	KDC	KDC	CCJ	4/23/2021
HILLCREST PEDESTRAIN BRIDGE OVER I-76		STA. 53+06.60±	JAT	REVISED	STRUCTURE FILE NUMBER	7703511
DESIGN AGENCY PRIME 8415 Pulaski Place, Suite 300 Columbus, Ohio 43231						

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

pw:\\V\\ANV\\A01PW\\INT01.parsons.com:Ohio State\\Documents\\DB-Akron Beltway Rehab\\10 - Design\\102329\\Structures\\BU-16\\Sheets\\076_0894_TS001.dgn Sheet 6/3/2021 3:10:26 PM KChrisman



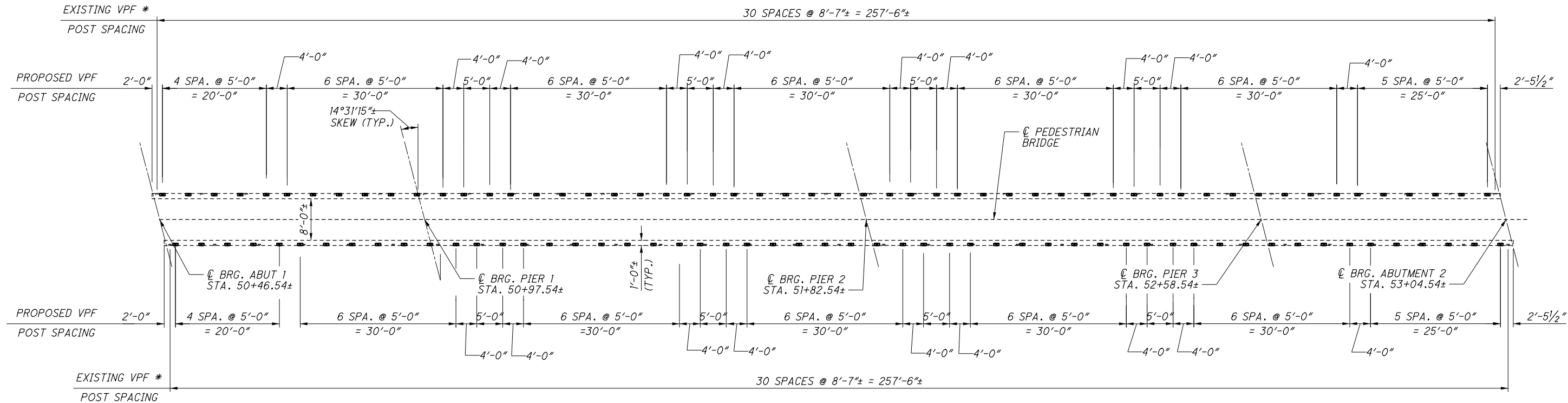
NOTES:

1. FOR ADDITIONAL VANDAL FENCE DETAILS, SEE SHEET 3/4.
2. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.

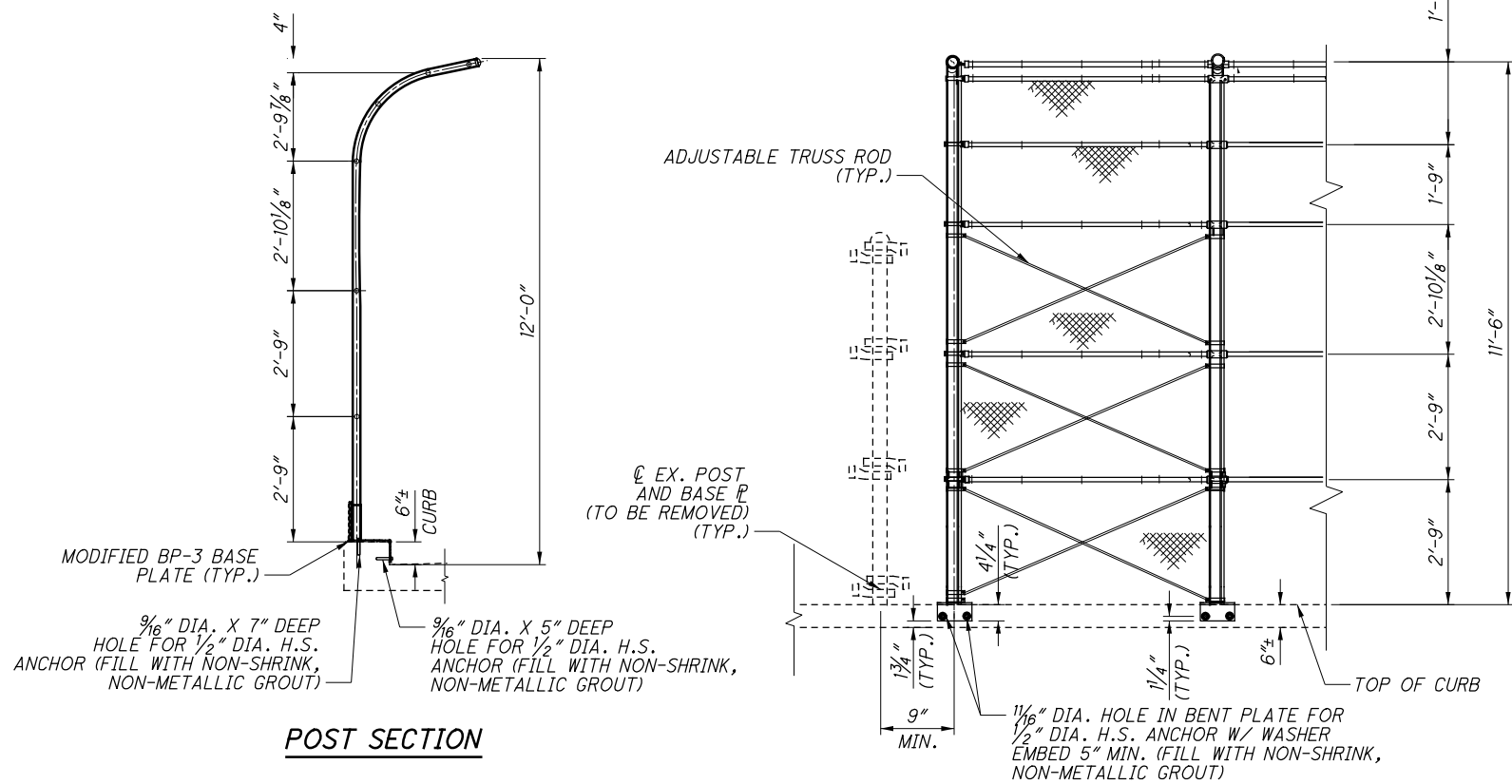
24 53	2 / 4	SUM-76 / 77 / 8 - 8.24 / 09.74 / 0.00 PID No. 102329		BRIDGE REHABILITATION BRIDGE NO. SUM-76-0894 HILLCREST PEDESTRIAN BRIDGE OVER I-76		DESIGNED HM	DRAWN HM	REVIEWED CCJ	DATE 4/23/2021	PRIME Engineering & Construction Columbus, Ohio 43221
						CHECKED KDC	REVISED	STRUCTURE FILE NUMBER 7703511		

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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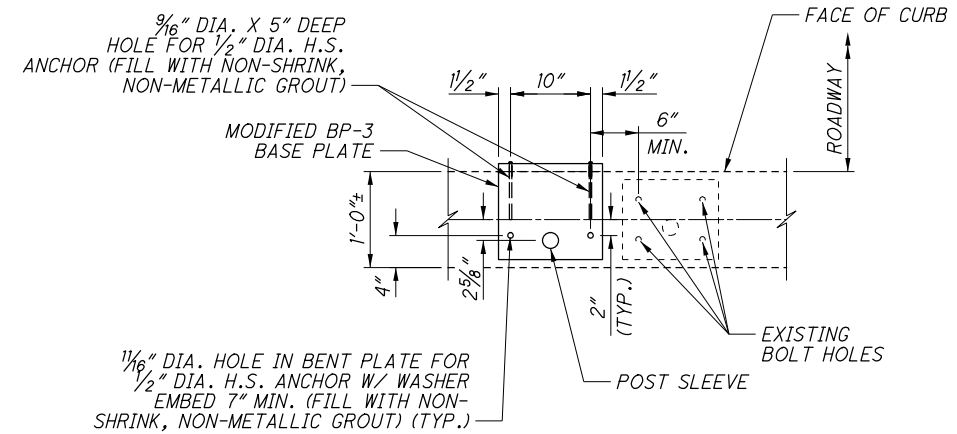


PLAN



POST SECTION

PARTIAL ELEVATION



MODIFIED BP-3 PLAN VIEW

LEGEND:

* - EXISTING POST LOCATIONS TAKEN FROM ORIGINAL PLANS.

NOTES:

1. ALL POSTS, FENCE FABRIC, RAILS, POSTS, PLATES, TIE WIRES, NUTS, BOLTS, CAULK AND OTHER VISIBLE HARDWARE SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
2. FOR ADDITIONAL DETAILS, SEE ODOT STD. DRAWING VPF-I-90.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

SUM-76 / 77 / 8-
8.24 / 09.74 / 0.00
PID No. 102329

VANDAL PROTECTION FENCE DETAILS
BRIDGE NO. SUM-76-0894
HILLCREST PEDESTRIAN BRIDGE OVER I-76

DESIGNED
HM
KDC

CHECKED
HM
KDC

DRAWN
HM
REVIS

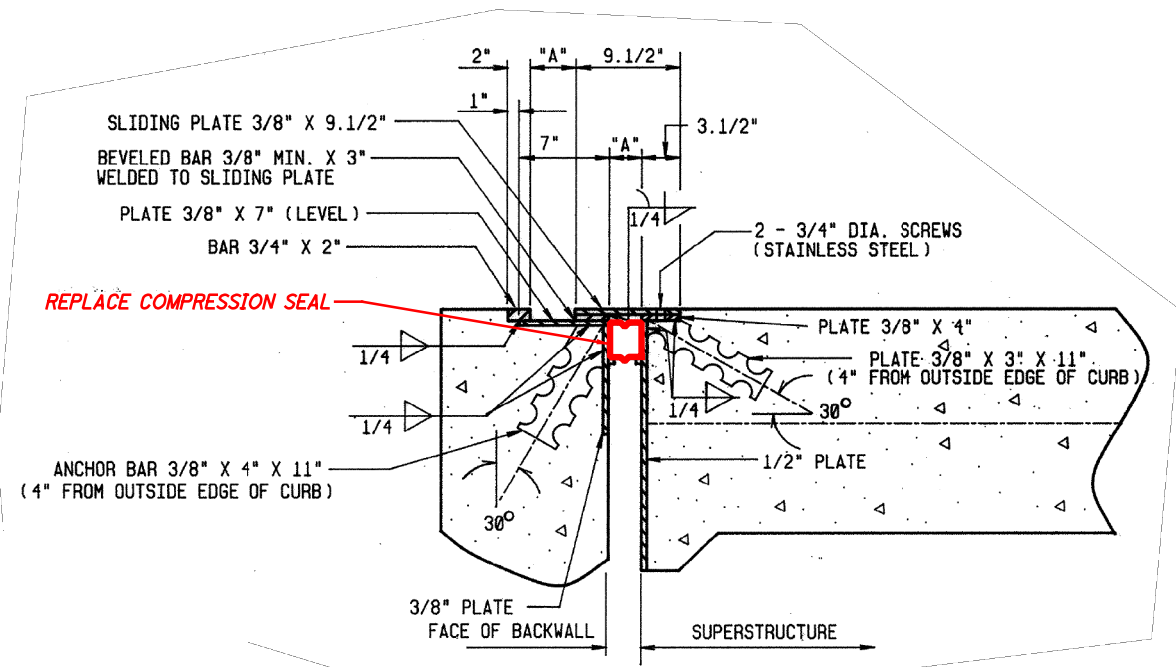
REVIEWED
CCJ
STRUCTURE FILE NUMBER
7703511

DATE
4/23/2021

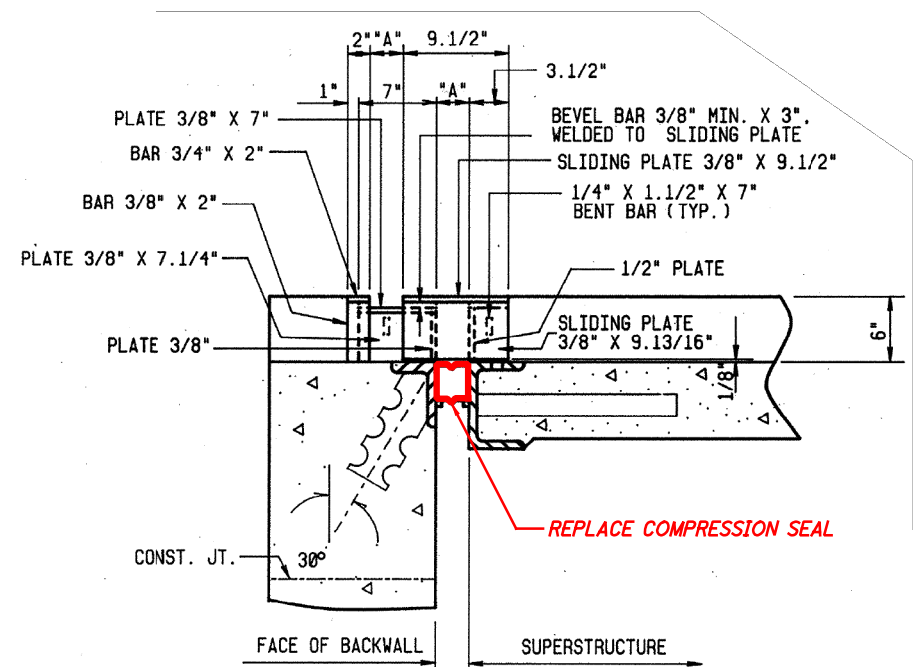
DESIGN AGENCY
PRIME
8455 N. STATE ROUTE 300
COLUMBUS, OHIO 43231

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

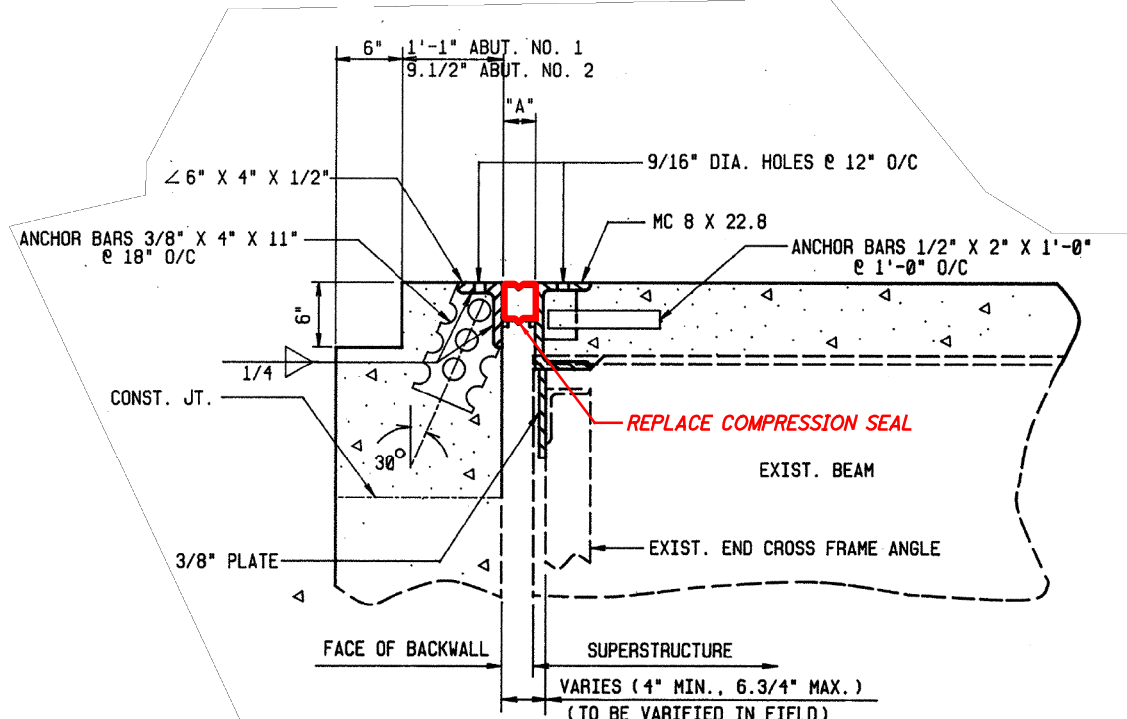
p:\V\ANV\A01PW\NT01\parsons.com\Ohio State\Documents\DB-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\076_0894_MD001.dgn Sheet 6/3/2021 3:11:34 PM KChrisman



SECTION AT SIDEWALK



SECTION AT CURB



SECTION AT ROADWAY

TEMPERATURE ADJUSTMENT TABLE	
TEMPERATURE @ INSTALLATION (°F)	DIM. "A" (IN.)
90	2.13/16
80	2.7/8
70	3
60	3.1/8
50	3.3/16
40	3.5/16
30	3.7/16

COMPRESSION SEAL REPLACEMENT

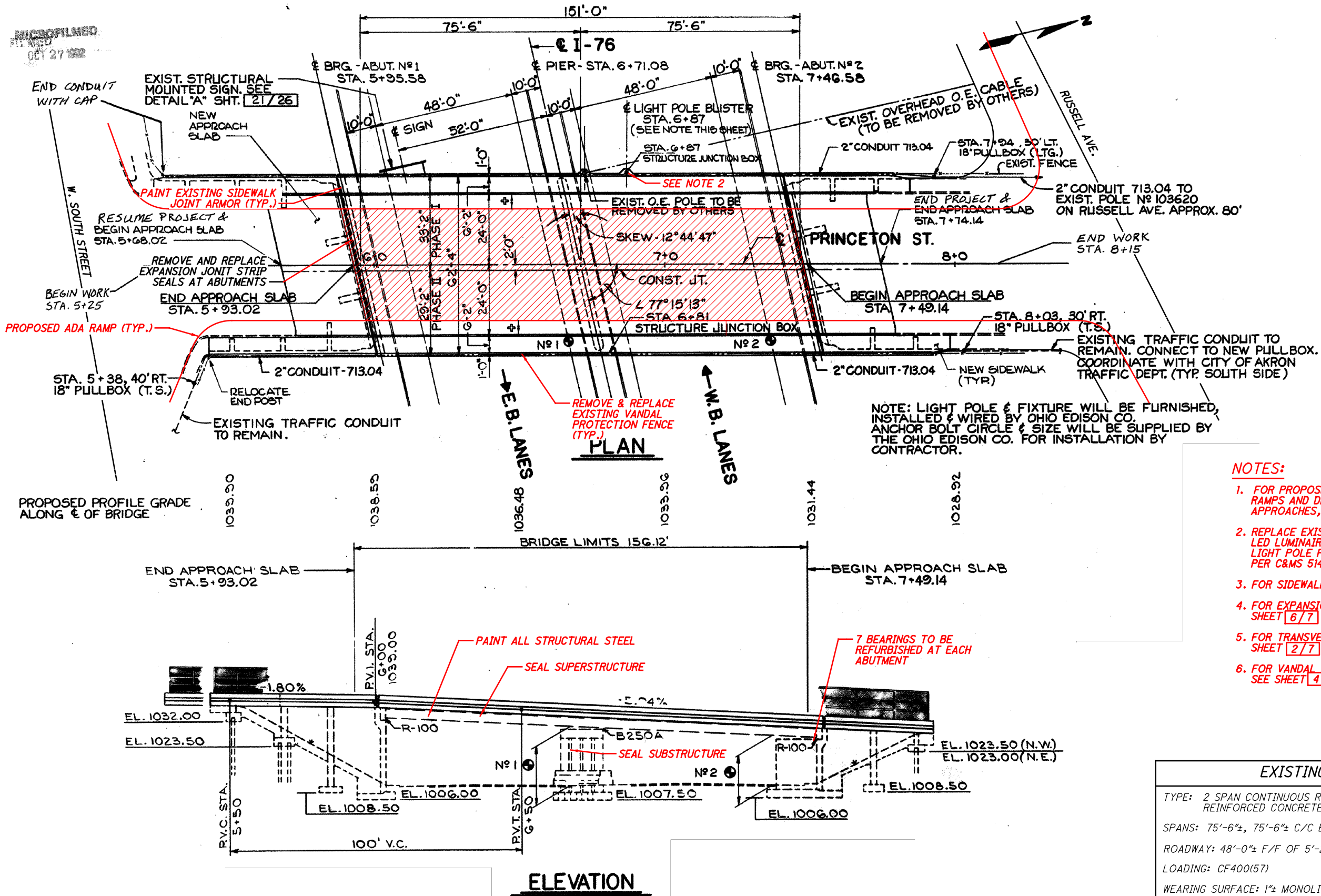
ORIGINAL CONSTRUCTION PLANS SHOWN FOR INFORMATION ONLY

- NOTES:
1. REPLACE THE COMPRESSION SEALS AT THE REAR AND FORWARD APPROACH JOINTS.
 2. THE COMPRESSION SEAL MATERIAL SHALL CONFORM TO CMS 705.11. ELASTOMERIC COMPRESSION SEAL FOR THE EXPANSION JOINTS SHALL BE WATSON BOWMAN & ACME MODEL NO. J500, D.S. BROWN MODEL NO. CV5000, OR APPROVED EQUAL.

DESIGN AGENCY PRIME 6450 State Route 300 Columbus, Ohio 43231	DATE 4/23/2021	REVIEWED CCJ	DRAWN KDC	CHECKED JAT	STRUCTURE FILE NUMBER 7703511
	EXPANSION JOINT DETAILS				
	BRIDGE NO. SUM-76-0894 HILLCREST PEDESTRIAN BRIDGE OVER I-76				
SUM-76/77/8- 8.24/09.74/0.00		PID No. 102329		4/4	
				26 53	

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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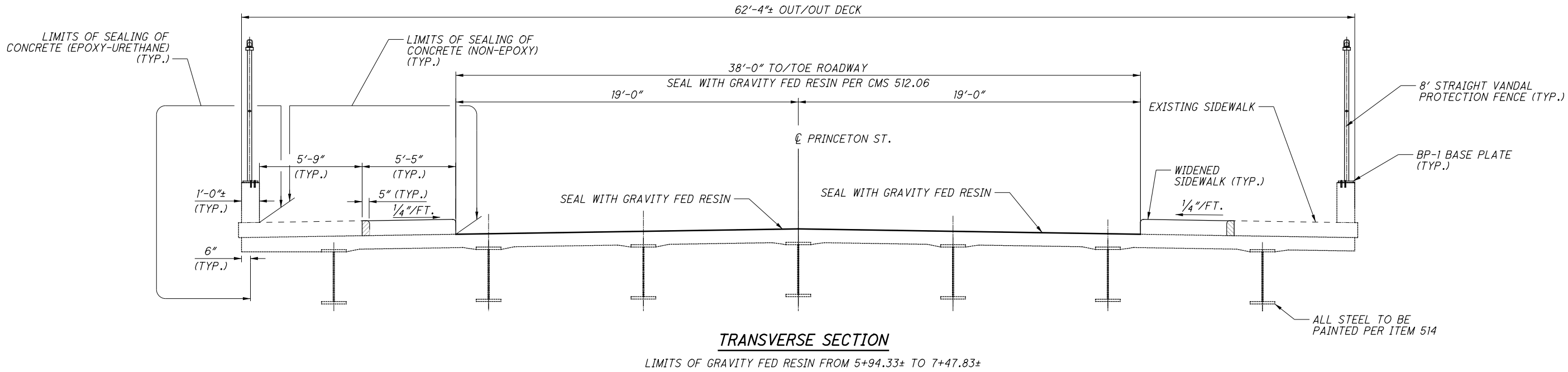


2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 4445 N. STATE ST. COLUMBUS, OHIO 43231	DATE 4/23/2021	REVIEWED CCJ	DRAWN KDC	SUMMIT COUNTY STA. 5+93.02± STA. 7+74.14±	GENERAL PLAN BRIDGE NO. SUM-76-0994 PRINCETON ST. OVER I-76
	STRUCTURE FILE NUMBER 7703368	STRUCTURE FILE NUMBER 7703368	CHECKED JAT		
SUM-76/77/8- 8.24/9.74/0.00 PID No. 102329					1/7 27 53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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LEGEND:

 - LIMITS OF CURB REMOVAL

NOTES:

1. FOR ADDITIONAL VANDAL FENCE DETAILS, SEE SHEETS 4/7 THRU 5/7.
2. FOR SIDEWALK DETAILS, SEE SHEET 3/7.
3. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

SUM-76/77/8-
8.24/09.74/0.00
PID No. 102329

2/7
28
53

BRIDGE REHABILITATION
BRIDGE NO. SUM-76-0994
PRINCETON ST. OVER I-76

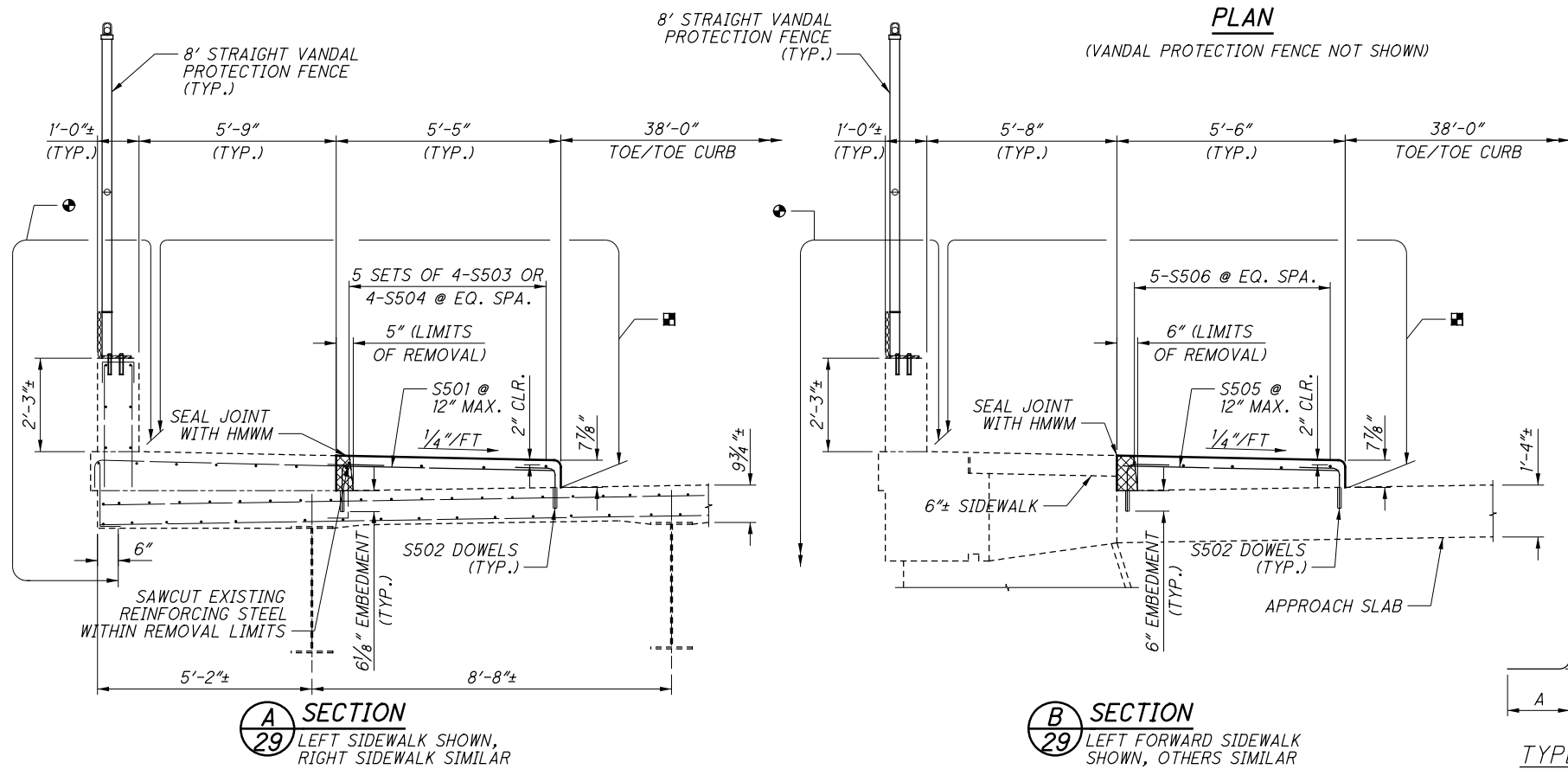
DESIGNED
HM
CHECKED
KDC

DRAWN
HM
REVISED

REVIEWED
CCJ
DATE
4/23/2021

STRUCTURE FILE NUMBER
7703368

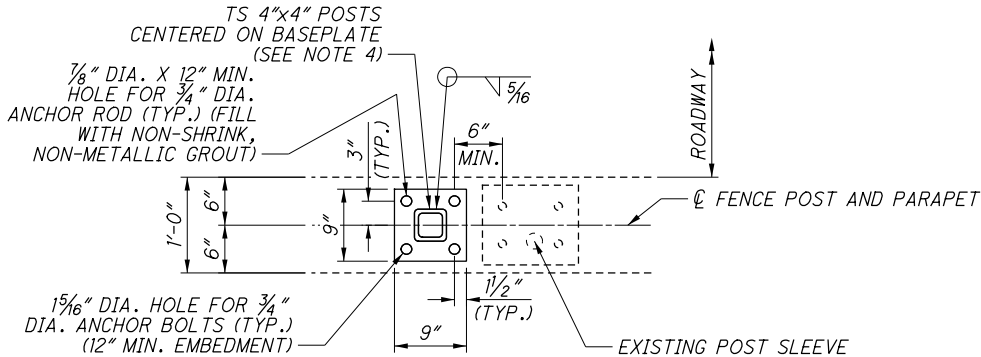
DESIGN AGENCY
PRIME
8450 JAMES RILEY BLVD
COLUMBUS, OHIO 43231



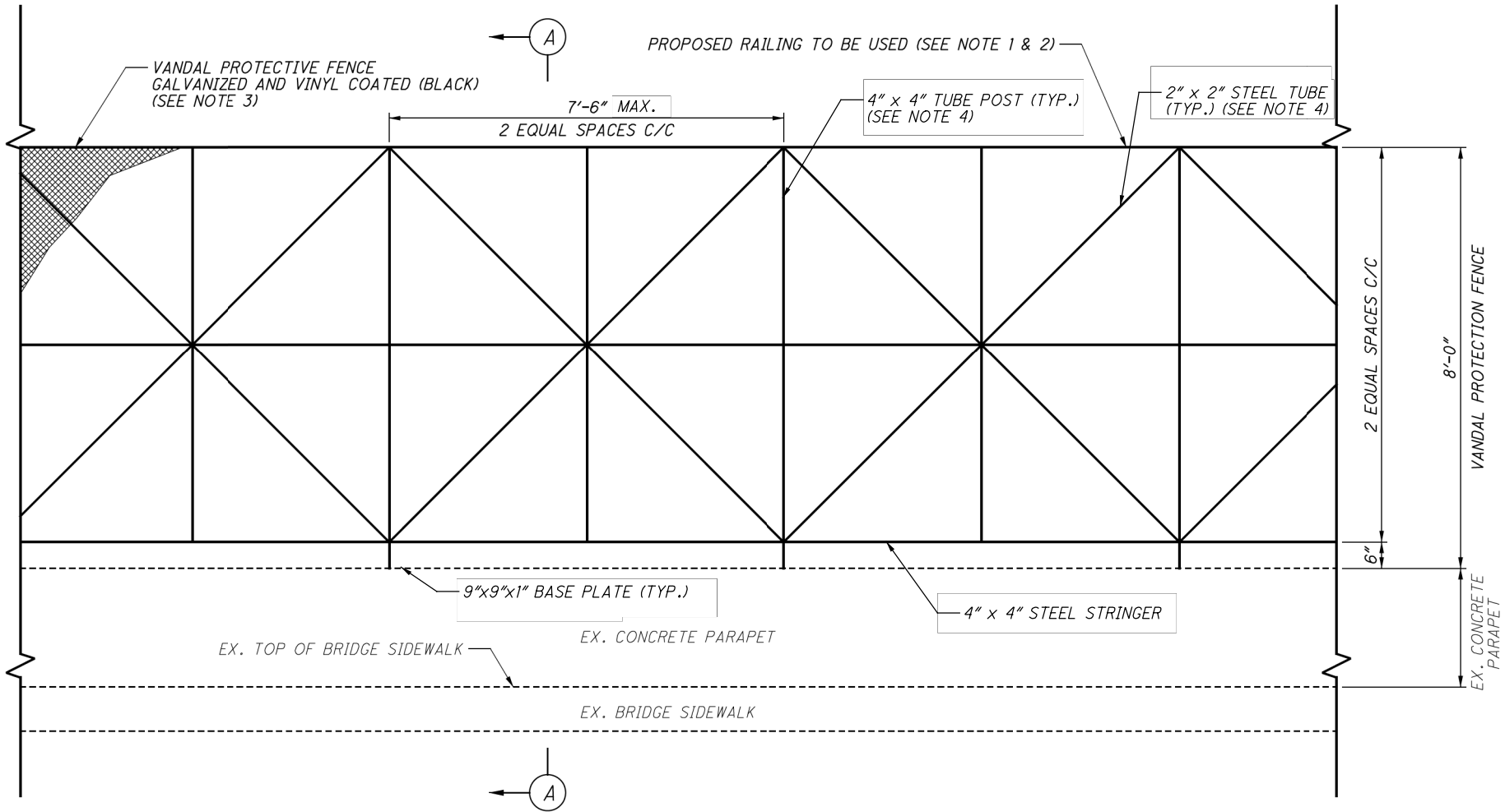
1. FILL DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT.
2. FOR VANDAL PROTECTION FENCE DETAILS, SEE SHEET 4/7
3. FOR EXPANSION JOINT AND SIDEWALK JOINT DETAILS, SEE SHEET 5/7 THRU 6/7.
4. REPLACE LUMINAIRE WITH LED LUMINAIRE. PAINT LIGHT POLE FEDERAL COLOR NO. 27038 PER C&MS 514.22. SEE BU-36 PLANS
5. REPAIR PAINT EXISTING SIDEWALK JOINT ARMOR PER C&MS 514.22.
6. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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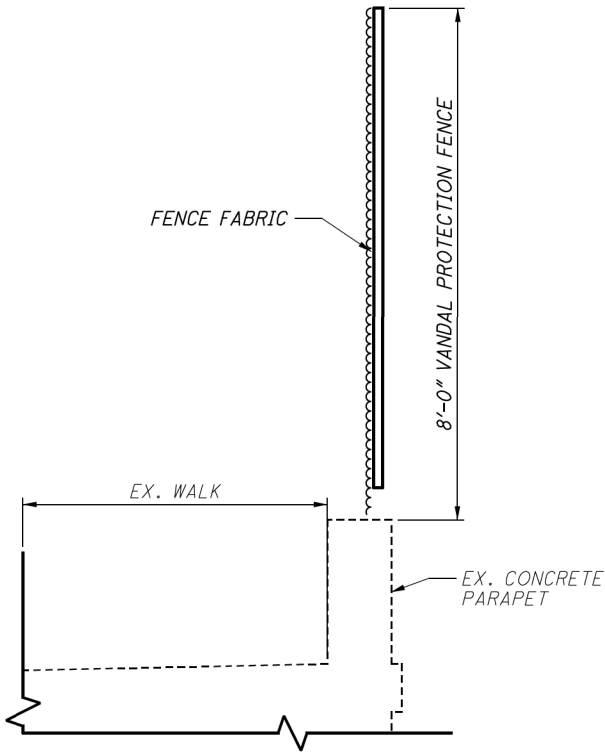
STEEL BASE PLATE DETAILS



DECORATIVE PANEL DETAIL

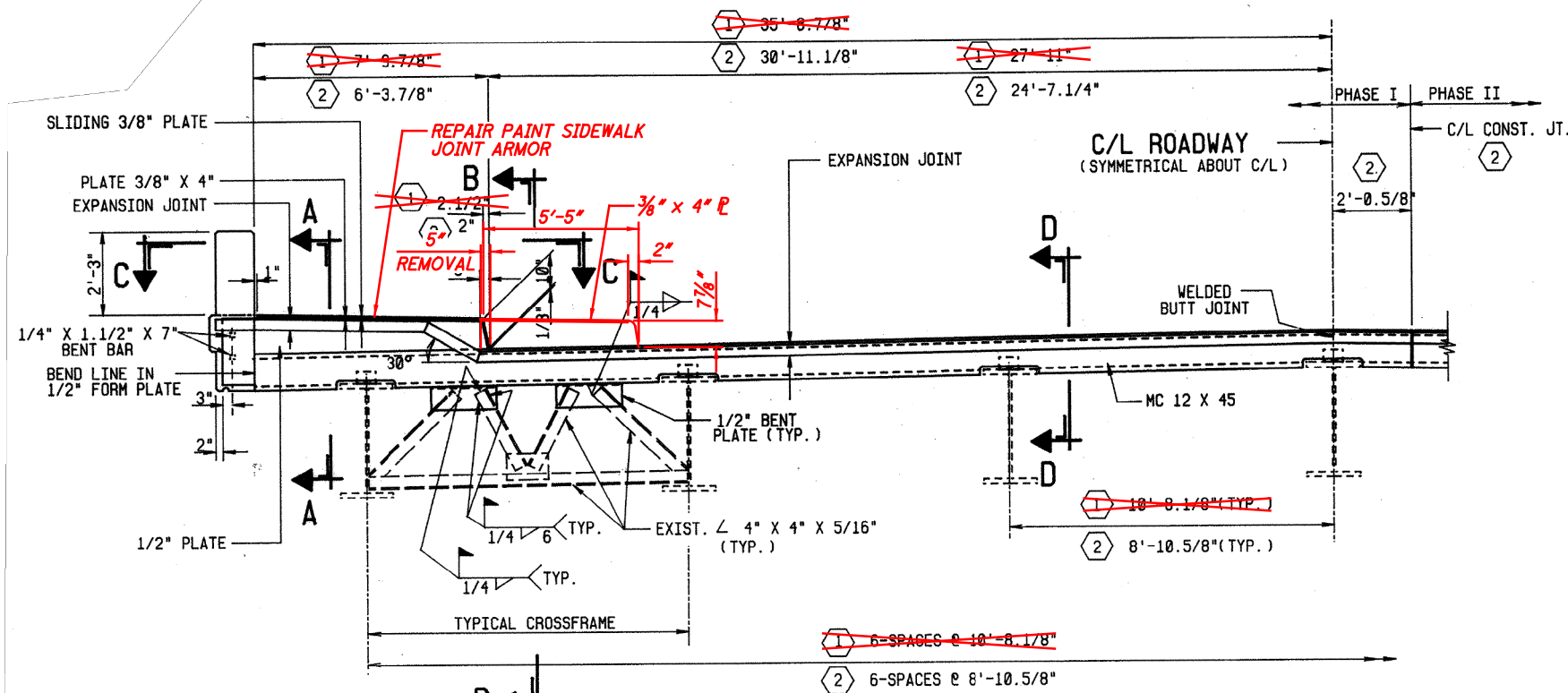
NOTES:

1. ALL POSTS, FENCE FABRIC, RAILS, POSTS, PLATES, TIE WIRES, NUTS, BOLTS, CAULK AND OTHER VISIBLE HARDWARE SHALL BE COATED BLACK (FEDERAL COLOR NO. 27038).
2. NEW ORNAMENTAL RAILING TO HAVE GEOMETRIC PATTERN DETAILED ABOVE.
3. EIGHT (8) FEET HIGH ODOT STANDARD PROTECTIVE FENCING (1" MESH) PER ODOT SCD VPF-1-90 IS REQUIRED. 1" VANDAL PROTECTIVE MESH SHALL BE ATTACHED TO THE PROPOSED ORNAMENTAL METAL FENCE.
4. ALL HOLLOW STRUCTURAL STEEL SECTIONS (HSS) SHALL MEET ASTM A500 GRADE B SPECIFICATIONS. FENCE TOP RAILS, BOTTOM RAILS, AND SUPPORT POSTS SHALL BE 4" SQUARE HSS WITH MINIMUM THICKNESS OF 1/4". DIAGONAL AND VERTICAL INTERMEDIATE POSTS SHALL BE 2" SQUARE HSS WITH MINIMUM THICKNESS OF 1/4".
5. BASE PLATES SHALL BE ASTM A709 GRADE 50 STEEL. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55 STEEL. FOR CAULKING COMPOUND AND ADDITIONALL DETAILS SEE ODOT SCD VPF-1-90.



ORNAMENTAL RAILING EXAMPLE

(ABBEY AVE. OVER GCRTA)

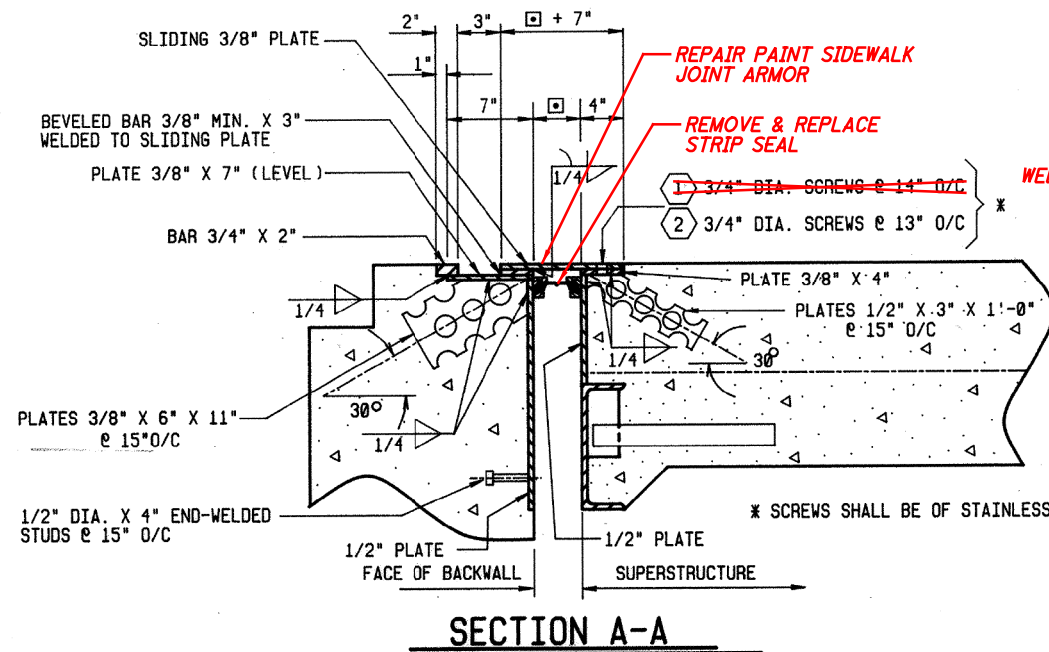


① EAST AVE.		
TEMPERATURE ADJUSTMENT TABLE		
TEMPERATURE ° INSTALLATION (° F)	DIM. "A" (IN.)	
	ABUT. NO. 1	ABUT. NO. 2
90	1.9/16	1.9/16
80	1.11/16	1.5/8
70	1.3/4	1.3/4
60	1.13/16	1.7/8
50	1.15/16	1.15/16
40	2	2.1/16
30	2.1/16	2.1/8

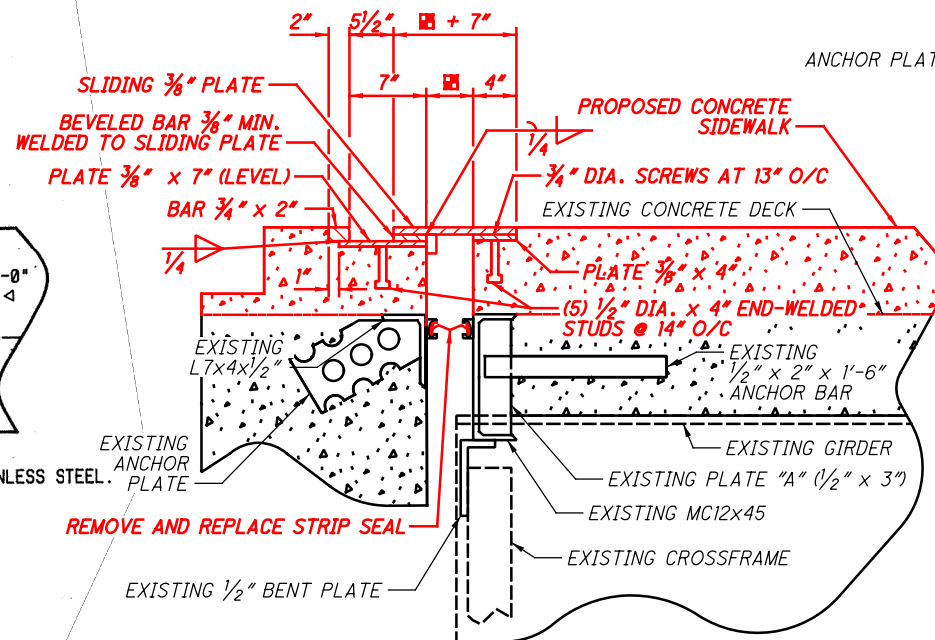
② PRINCETON ST.	
TEMPERATURE ADJUSTMENT TABLE	
TEMPERATURE @ INSTALLATION (° F)	DIM. "A" (IN.)
	ABUT. NO.1 & ABUT. NO.2
90	1.5/8
80	1.11/16
70	1.3/4
60	1.13/16
50	1.7/8
40	1.15/16
30	2

ABUTMENT NO.1 & 2 END CROSSFRAME DETAILS

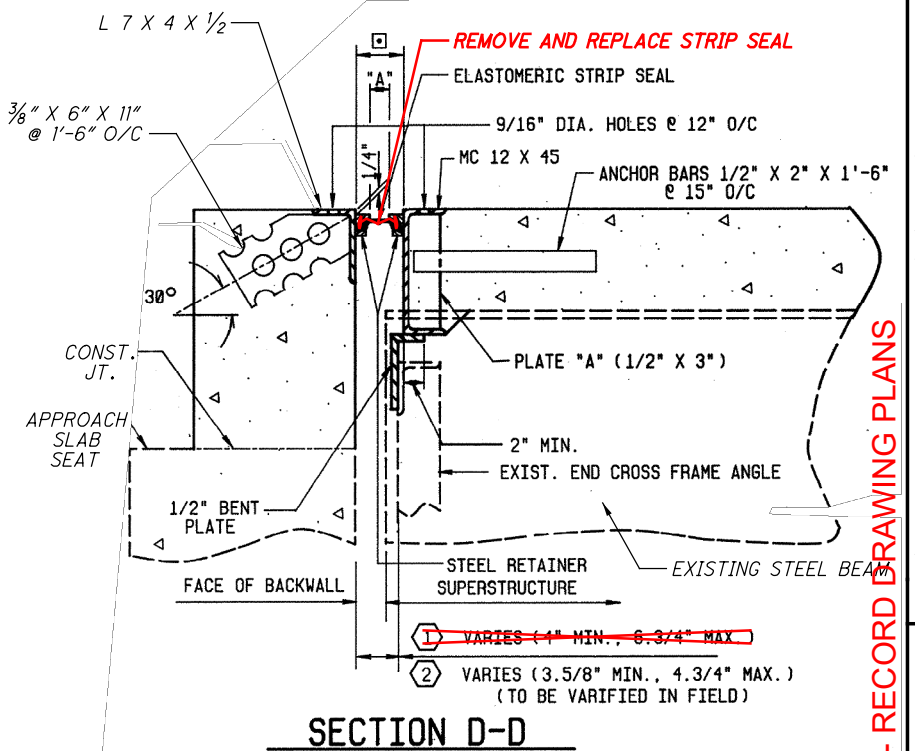
ABUTMENT NO.1 DETAILS SHOWN, ABUTMENT NO.2 DETAILS SIMILAR BUT OPPOSITE HAND



SECTION A-A



SECTION B-B



SECTION D-D

NOTES

LEGEND

1. ~~APPLIES TO BRIDGE NO. SUM-76-0876
(EAST AVE. OVER I-76)~~
2. ~~APPLIES TO BRIDGE NO. SUM-76-0994
(PRINCETON AVE. OVER I-76)~~
2. FOR VIEW C-C AND SEC. D-D, SEE SHT.
NO. 25 / 26
3. ELASTOMERIC STRIP SEAL GLAND FOR THE EXPANSION
JOINTS SHALL BE WATSON BOWMAN & ACME MODEL
NO. S-300, D.S. BROWN MODEL NO. SS300, OR
APPROVED EQUAL.

ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:

■ - EXISTING DIMENSION AT TIME OF CONSTRUCTION

NOTES:

1. REPAIR PAINT EXISTING SIDEWALK JOINT ARMOR PER C&MS 514.22.
2. REMOVE AND REPLACE THE EXPANSION JOINT STRIP SEALS AT THE REAR AND FORWARD APPROACH JOINTS.
3. FOR ADDITIONAL JOINT DETAILS, SEE SHEET 7/7.



ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

-  - LIMITS OF GRAVITY FED RESIN
-  - LIMITS OF APPROACH SLAB REMOVAL
-  - LIMITS OF CONCRETE PAVEMENT SLAB REMOVAL

TYPE: CANTILEVER STEEL BEAMS WITH SUSPENDED
SPAN, REINFORCED CONCRETE DECK & SUBSTRUCURE

SPANS: 45'-0"±, 72'-0"±, 40'-0"± C/C BEARINGS

ROADWAY: WEST BOUND LANES 51'-10"± F/F CURBS
EAST BOUND LANES 68'-6"± AVG, F/F CURBS
1'-2"± CURBS AND 10'-0"± MEDIAN CURB

WEARING SURFACE: 1"± MONOLITHIC

LOADING: CF 2000(57) ADEQUATE FOR AASHTO ALT. LOADING

SKEW: 34°58'00"± RIGHT FORWARD

APPROACH SLABS: 25'-0"± LONG (AS-1-54)

ALIGNMENT: CURVED 2°± LEFT

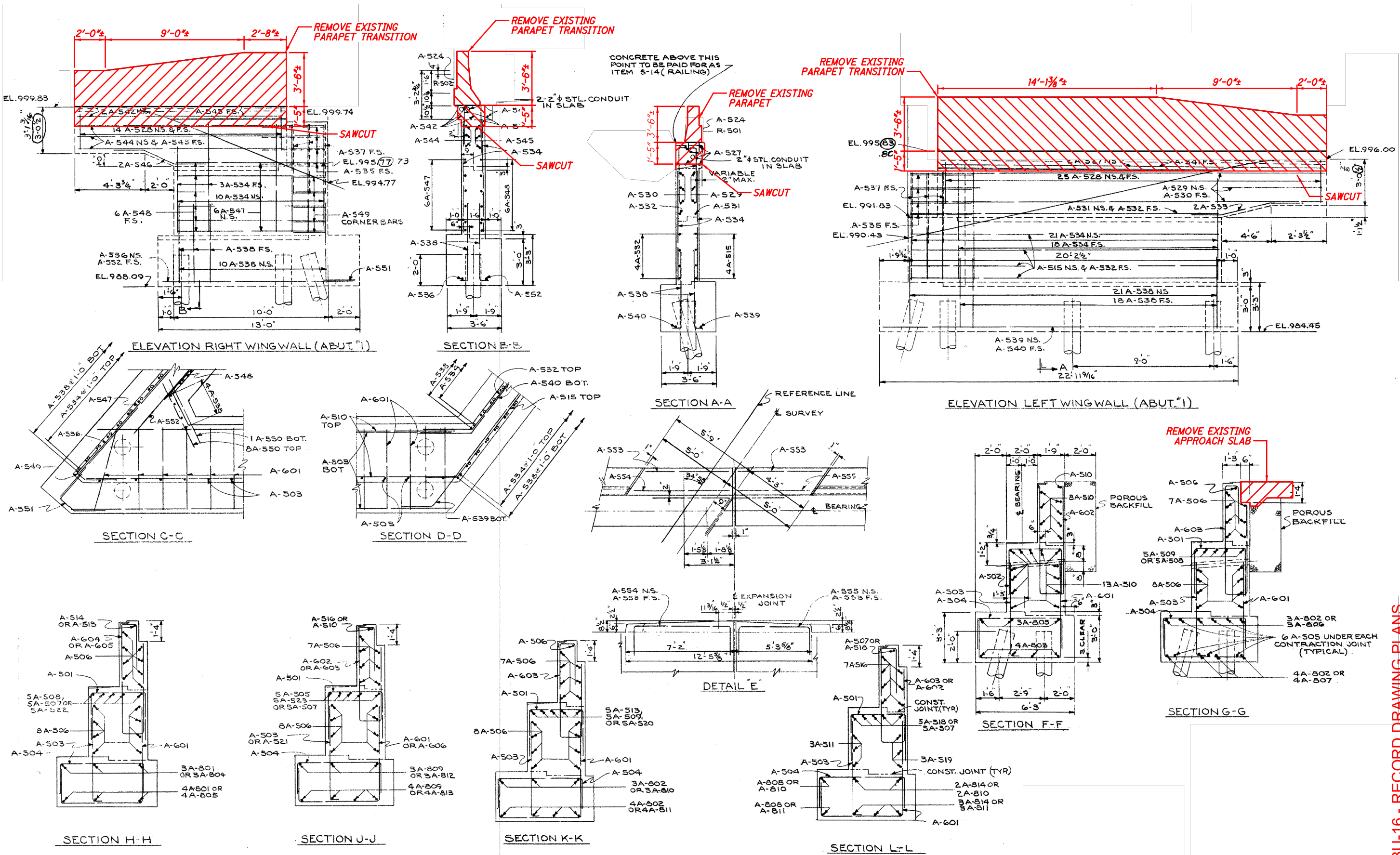
SUPERELEVATION: VARIES

COORDINATES: LATITUDE 41°03'41"± N
LONGITUDE 81°34'11"± W

1. FOR GENERAL NOTES, SEE SHEET 2/53
THRU 5/53.
2. FOR TRANSVERSE SECTION, SEE SHEET 4/10.
3. FOR REMOVAL DETAILS, SEE SHEET 2/10
THRU 3/10.
4. FOR EXPANSION JOINT DETAILS, SEE SHEET 5/10.
5. FOR APPROACH SLAB DETAILS, SEE SHEET 6/10
THRU 7/10.
6. FOR PARAPET DETAILS, SEE SHEET 8/10
THRU 9/10.

p:\V\ANV\A01PW\NT01\parsons.com\Ohio State Documents\B-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\077_1543_RE001.dgn Sheet 6/3/2021 3:19:11 PM KChrisman

ISSUE RECORD		DESCRIPTION
NO.	DATE	



ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:
[Red Hatched Box] - LIMITS OF REMOVAL

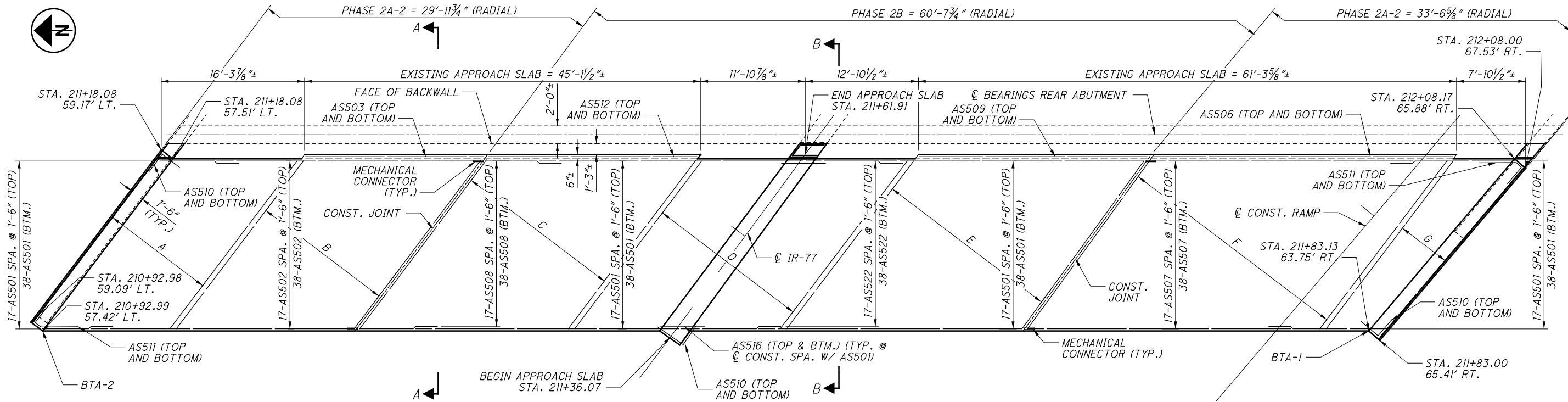
NOTE:
1. FOR PARAPET DETAILS, SEE SHEET 8/10.
2. FOR APPROACH SLAB DETAILS, SEE SHEET 6/10
THRU 7/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

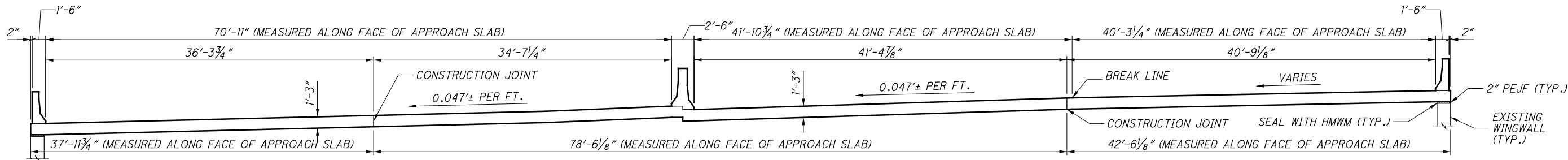
DESIGN AGENCY	DATE	REVIEWED	DRAWN	DESIGNED	REMOVAL DETAILS (1 OF 2)	BRIDGE NO. SUM-77-1543 I-77 OVER HAWKINS AVE.	SUM-76/77/8- 8.24/09.74/0.00 PID No. 102329	2/10	35 53				
PRIME	4/23/2021	CCJ	KDC	KDC									
BASE DATE FOR THE 300	STRUCTURE FILE NUMBER	7703600	REVISION	CHECKED									
COLUMBUS, OHIO 43201			JAT										

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

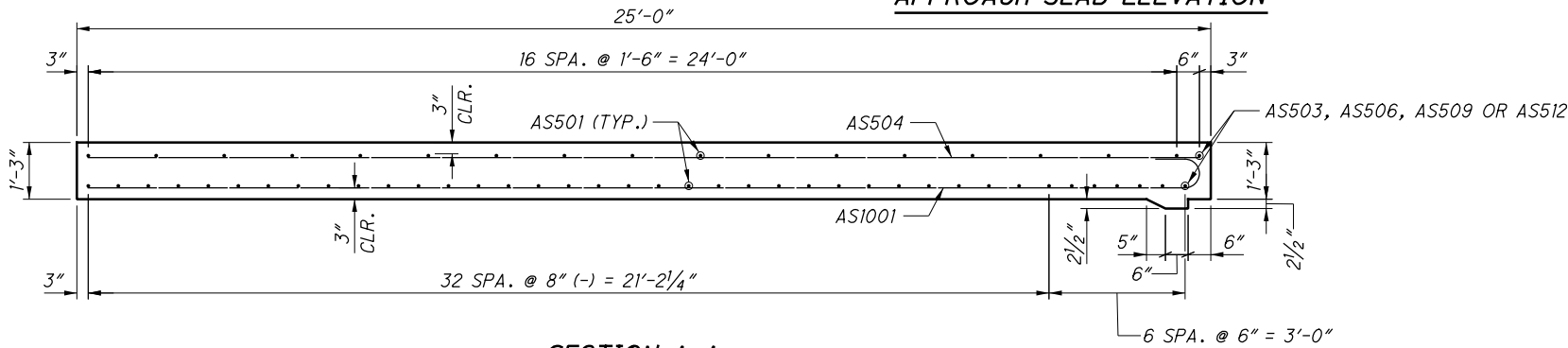
p:\V\ANVA01PWINT01.parsons.com:Ohio State\Documents\B-Akron Beltway Rehab\10 - Design\102329\Structures\BU-16\Sheets\077_1543_MD001.dgn Sheet 6/3/2021 3:22:42 PM KChrismon



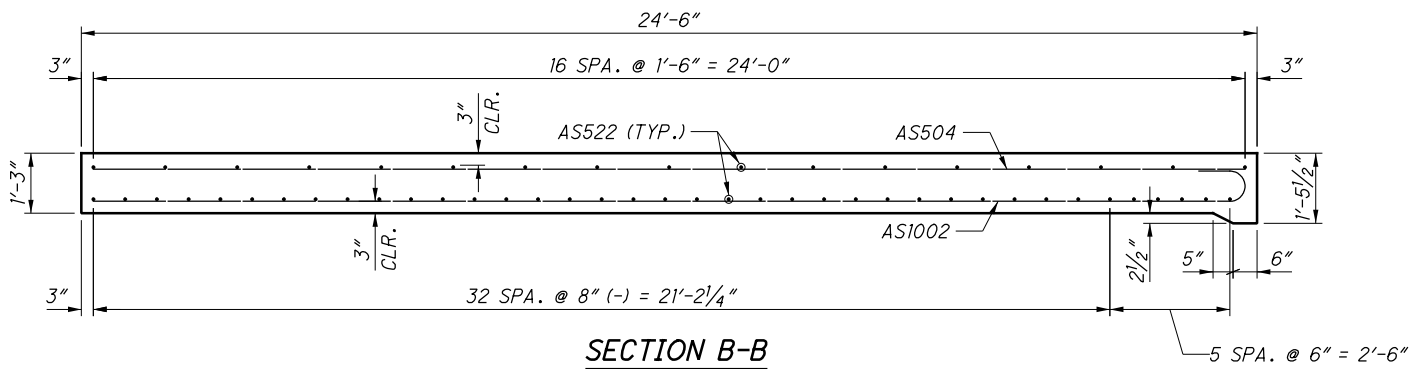
REAR APPROACH SLAB PLAN



APPROACH SLAB ELEVATION



SECTION A-A



SECTION B-B

MINIMUM LAP LENGTHS:

#5 BAR = 2'-6"

LEGEND:

- A - 9-AS505 SPA. @ 1'-6" MAX. (TOP) & 23-AS1002 SPA. @ 7" MAX. (BTM.)
- B - 12-AS504 SPA. @ 1'-6" MAX. (TOP) & 29-AS1001 SPA. @ 7" MAX. (BTM.)
- C - 13-AS504 SPA. @ 1'-6" MAX. (TOP) & 34-AS1001 SPA. @ 7" MAX. (BTM.)
- D - 13-AS505 SPA. @ 1'-6" MAX. (TOP) & 33-AS1002 SPA. @ 7" MAX. (BTM.)
- E - 15-AS504 SPA. @ 1'-6" MAX. (TOP) & 37-AS1001 SPA. @ 7" MAX. (BTM.)
- F - 19-AS504 SPA. @ 1'-6" MAX. (TOP) & 48-AS1001 SPA. @ 7" MAX. (BTM.)
- G - 5-AS505 SPA. @ 1'-6" MAX. (TOP) & 13-AS1002 SPA. @ 7" MAX. (BTM.)

NOTES:

- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. AS-1-15.
- FOR PARAPET TRANSITIONS AND MEDIAN BARRIER, SEE SHEET 8/10 THRU 9/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 6450 BAKER ROAD COLUMBUS, OHIO 43231	DATE 4/23/2021
DRAWN JAT	REVIEWED CCJ
CHECKED KDC	STRUCTURE FILE NUMBER 7703600
REAR ABUTMENT APPROACH SLAB DETAILS	
BRIDGE NO. SUM-76-1543 I-77 OVER HAWKINS AVE.	
SUM-76/77/8- 8.24/09.74/0.00 PID No. 102329	
6/10	
39/53	

ISSUE RECORD:

NO. DATE

DESCRIPTION

NO. DATE

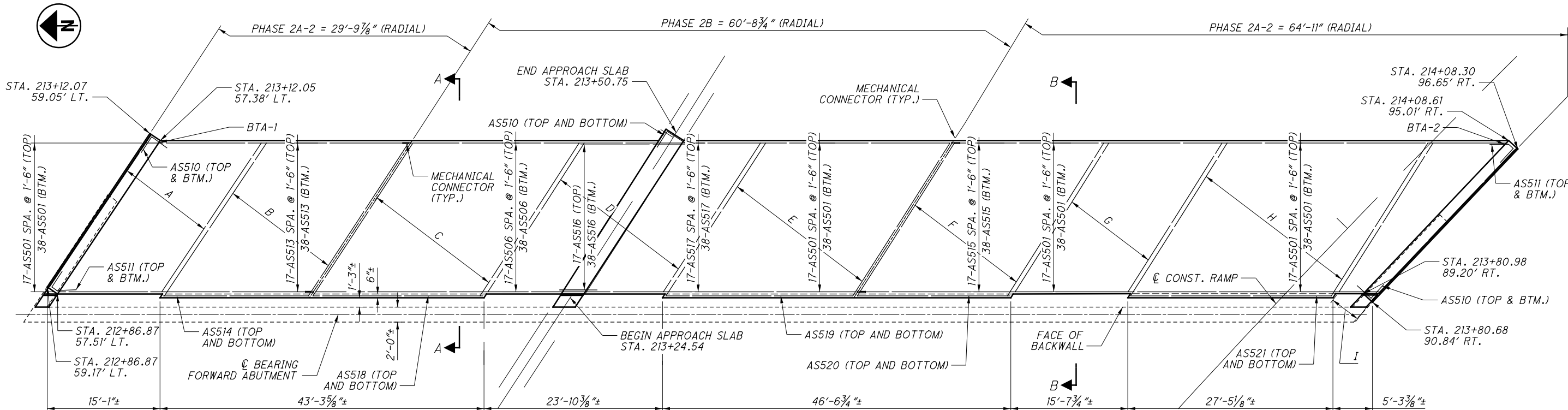
DESCRIPTION

NO. DATE

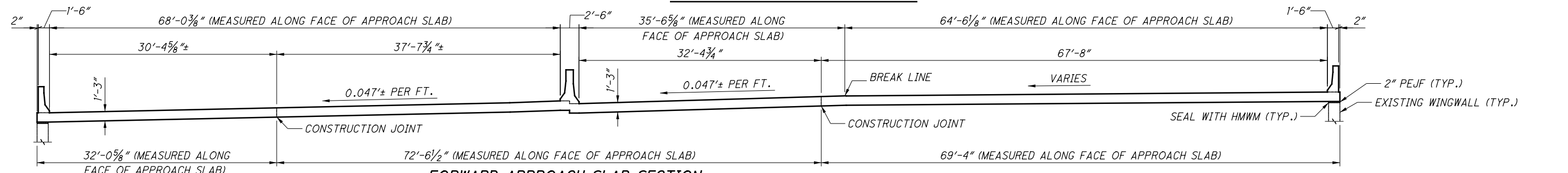
DESCRIPTION

NO. DATE

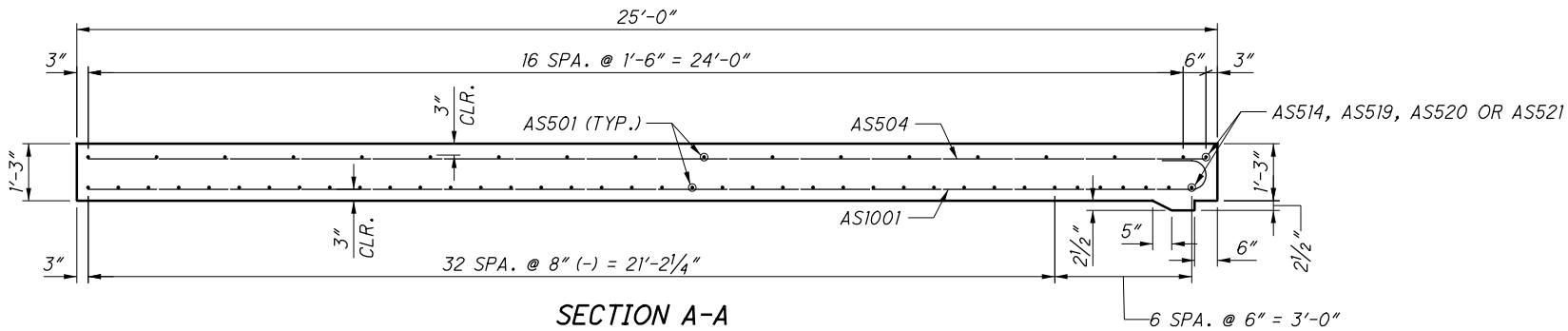
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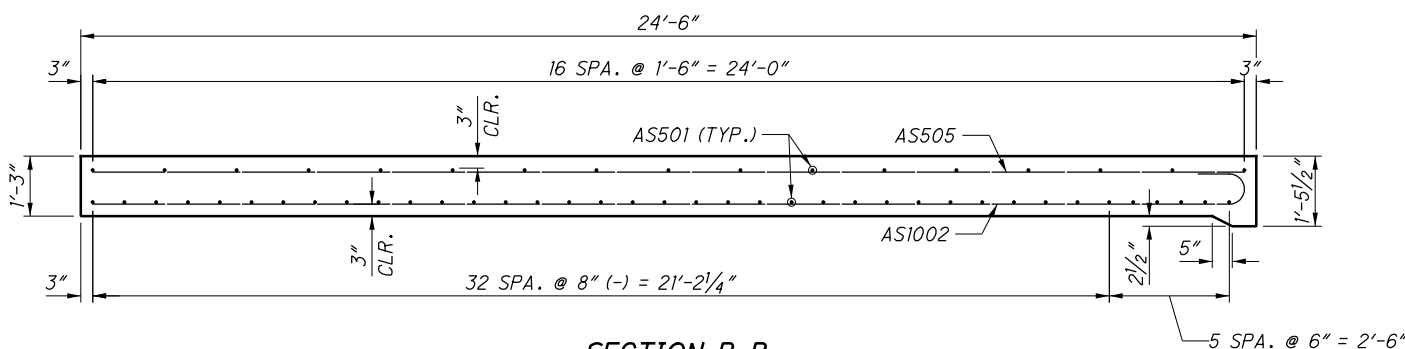
FORWARD APPROACH SLAB PLAN



FORWARD APPROACH SLAB SECTION



SECTION A-A



SECTION B-B

MINIMUM LAP LENGTHS:

#5 BAR = 2'-6"

LEGEND:

- A - 9-AS505 SPA. @ 1'-6" MAX. (TOP) & 23-AS1002 SPA. @ 7" MAX. (BTM.)
- B - 12-AS504 SPA. @ 1'-6" MAX. (TOP) & 29-AS1001 SPA. @ 7" MAX. (BTM.)
- C - 13-AS504 SPA. @ 1'-6" MAX. (TOP) & 34-AS1001 SPA. @ 7" MAX. (BTM.)
- D - 14-AS505 SPA. @ 1'-6" MAX. (TOP) & 33-AS1002 SPA. @ 7" MAX. (BTM.)
- E - 15-AS504 SPA. @ 1'-6" MAX. (TOP) & 37-AS1001 SPA. @ 7" MAX. (BTM.)
- F - 12-AS504 SPA. @ 1'-6" MAX. (TOP) & 48-AS1001 SPA. @ 7" MAX. (BTM.)
- G - 9-AS505 SPA. @ 1'-6" MAX. (TOP) & 13-AS1002 SPA. @ 7" MAX. (BTM.)
- H - 15-AS504 SPA. @ 1'-6" MAX. (TOP) & 40-AS1001 SPA. @ 7" MAX. (BTM.)
- I - 1 SER. OF 8-AS523 SPA. @ 1'-6" MAX. (TOP) (FAN TO FIT) & 1 SER. OF 18-AS1003 SPA. @ 7" MAX. (BTM.) (FAN TO FIT)

NOTES:

- 1. FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. AS-1-15.
- 2. FOR PARAPET TRANSITIONS AND MEDIAN BARRIER, SEE SHEET 8/10 THRU 9/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

SUM-76/77/8-8.24/09.74/0.00

PID No. 102329

7/10

40/53

FORWARD ABUTMENT APPROACH SLAB DETAILS

BRIDGE NO. SUM-77-1543
I-77 OVER HAWKINS AVE.

DESIGNED
JAT
CHECKED
KDC

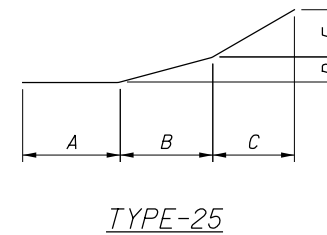
DRAWN
JAT
REVISED

REVIEWED
CCJ

DATE
4/23/2021

STRUCTURE FILE NUMBER
7703600

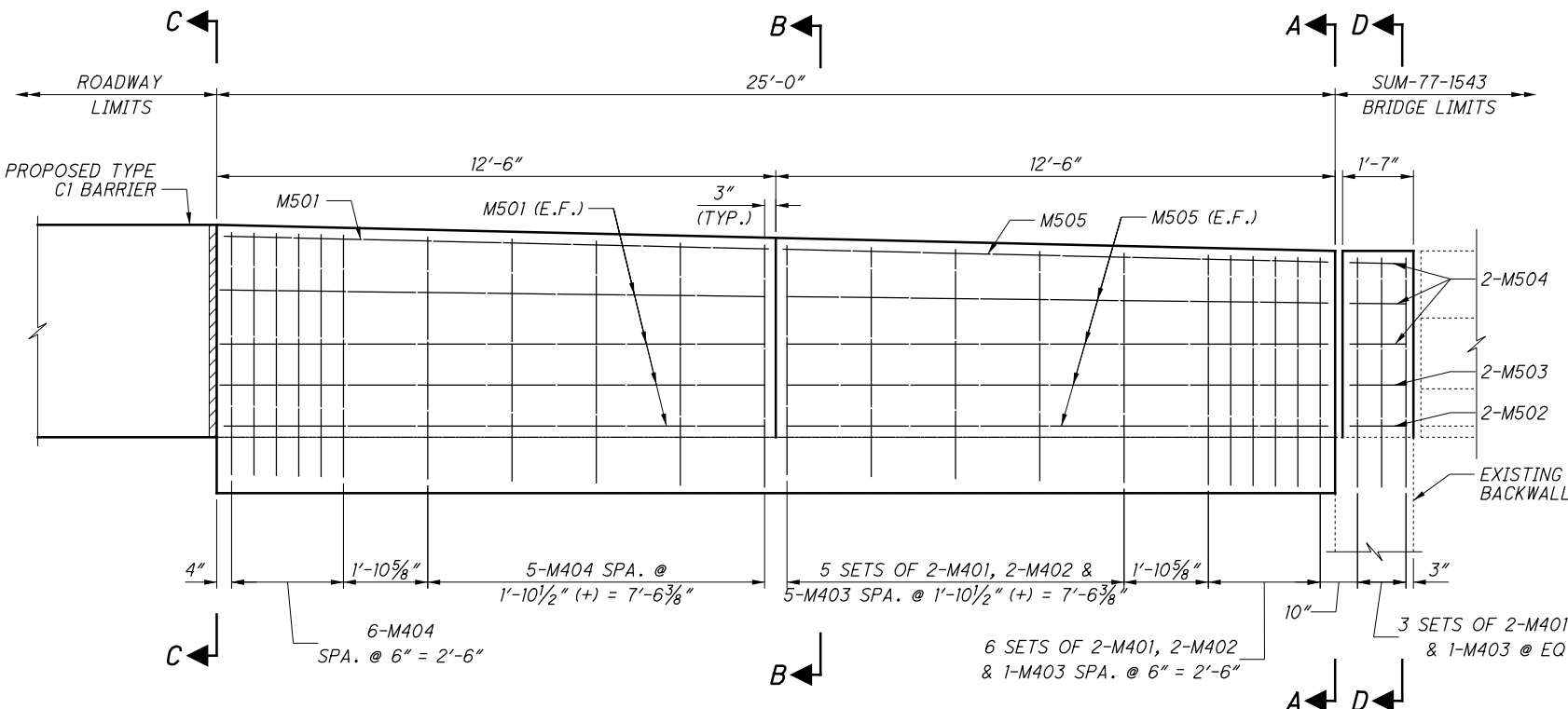
DESIGN AGENCY
PRIME
4445 State Road
Columbus, Ohio 43231



DESIGN AGENCY
PRIME
8415 Pulsar Place Suite 3000
Columbus, OH 43229

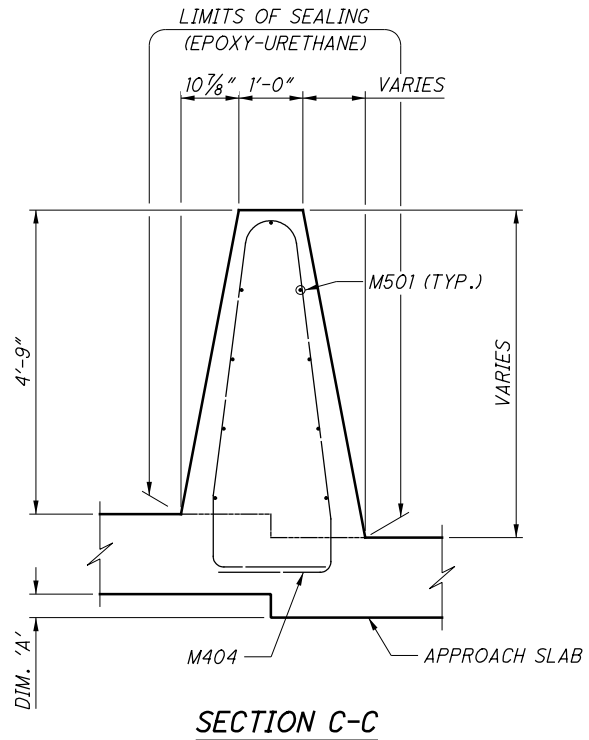
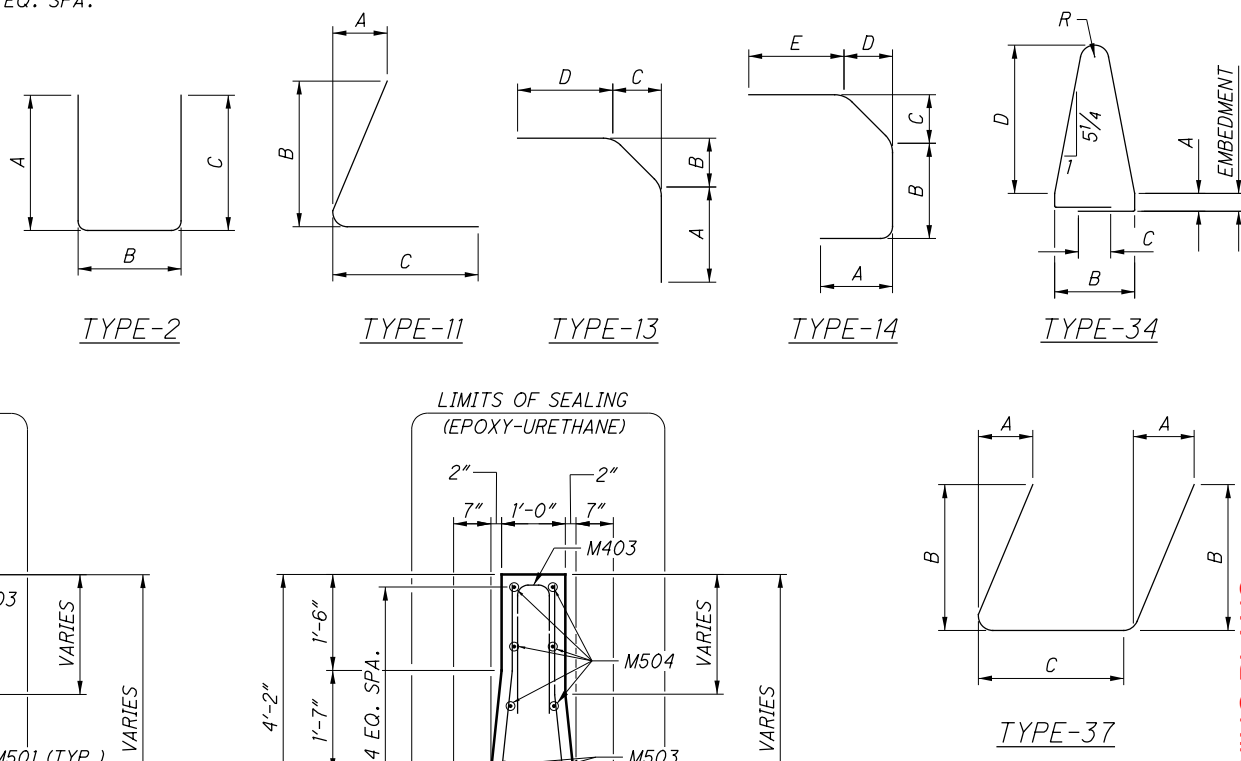
ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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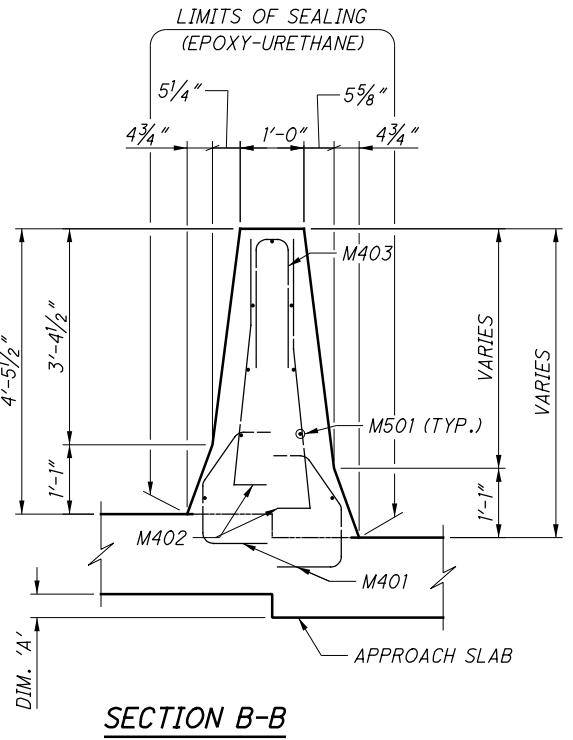


ABUTMENT 1 RIGHT WINGWALL
(OTHERS SIMILAR)

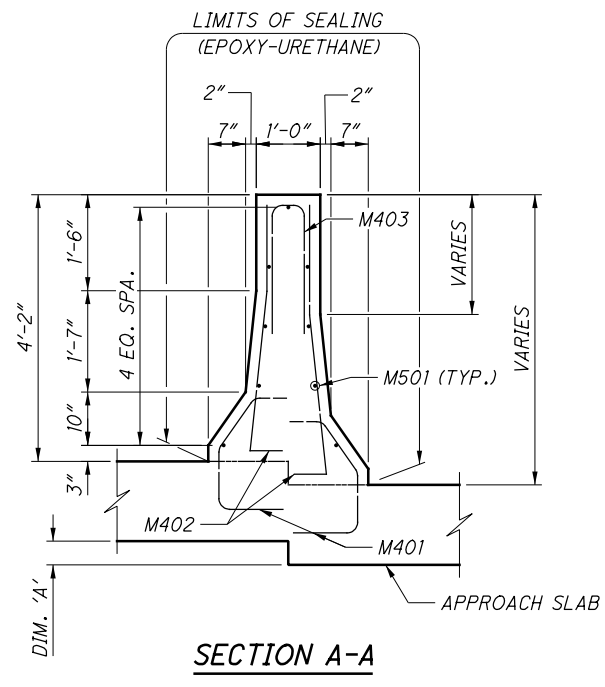
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
APPROACH SLAB MEDIAN											
M401	44	3'-2"	93	14	7"	6"	8 ¾"	1'-0"	1'-0"		
M402	56	3'-9"	140	11	5 ¼"	3'-4 ½"	6"				
M403	28	6'-6"	122	2	3'-0"	8"	3'-0"				
M404	11	14'-6"	107	34	9"	2'-5"	1'-0"	4'-7"		5"	
M405	12	3'-5"	27	13	1'-3"	0'-8 ¾"	1'-0"	1'-0"			
M501	11	12'-2"	140	STR							
M502	4	4'-10"	20	37	11"	1'-3"	2'-0"				
M503	4	3'-8"	15	37	11"	1'-3"	10"				
M504	12	3'-3"	42	37	11"	1'-3"	6"				
M505	11	13'-11"	160	STR							
SUB-TOTAL			866								



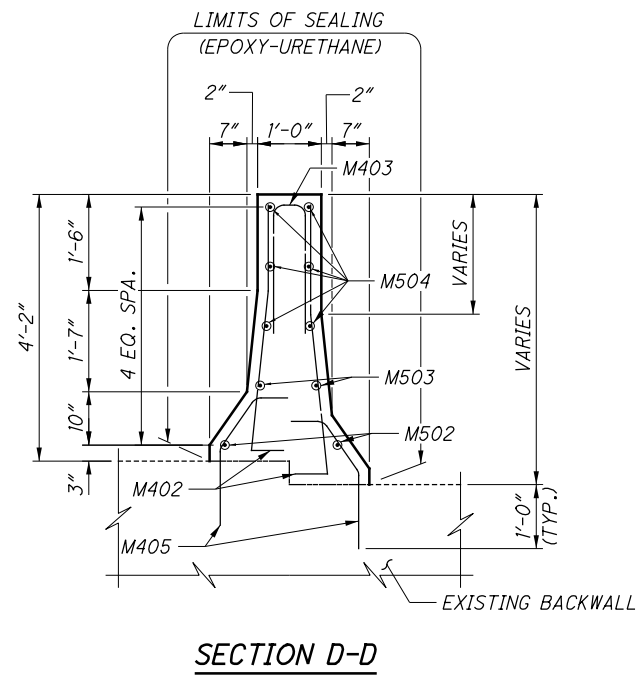
SECTION C-C



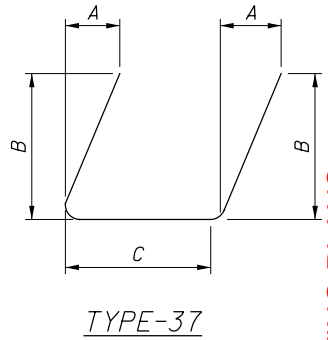
SECTION B-B



SECTION A-A



SECTION D-D



SECTION E-E

LOCATION	DIM. 'A'
REAR APPROACH SLAB	7 1/2"
FORWARD APPROACH SLAB	4 1/2"

- NOTES:
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. RM-4.3.
 - CLEAR DISTANCE FROM THE EDGE OF CONCRETE TO THE FACE OF REINFORCING STEEL SHALL BE 2" UNLESS NOTED OTHERWISE.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY
PRIME
6450 State Road 300
Columbus, Ohio 43231

DATE
4/23/2021

REVIEWED
CCJ

DRAWN
JAT

CHECKED
KDC

DESIGNED
JAT

STRUCTURE FILE NUMBER
7703600

BRIDGE NO. SUM-77-1543
I-77 OVER HAWKINS AVE.

SUM-76/77/8-
8.24/09.74/0.00
PID No. 102329

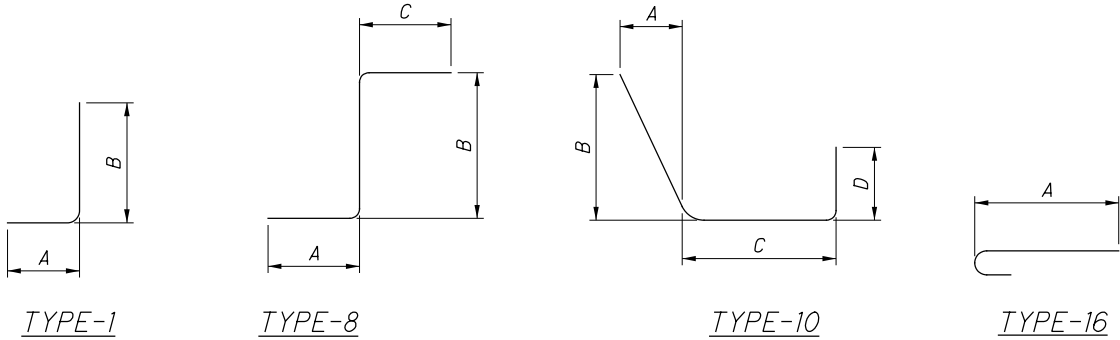
9/10

42
53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 2A-2	PHASE 2B	TOTAL				A	B	C	D	E	R	INC
APPROACH SLAB													
AS501	275	165	440	30'-0"	13768	STR							
*AS502	55		55	10'-0"	574	STR							
AS503	2		2	20'-3"	42	STR							
AS504	70	56	126	24'-6"	3220	STR							
AS505	32	27	59	24'-0"	1477	STR							
AS506	2	55	57	34'-7"	2056	STR							
*AS507	55		55	13'-9"	789	STR							
AS508		55	55	8'-6"	488	STR							
AS509		2	2	26'-0"	55	STR							
AS510	8	4	12	4'-10"	60	1	2'-6"	2'-6"					
AS511	8		8	6'-0"	50	10	1'-9"	1'-9"	1'-2"	2'-6"			
AS512		2	2	24'-1"	50	STR							
*AS513	55		55	7'-11"	454	STR							
AS514	2		2	19'-10"	41	STR							
*AS515	55		55	14'-10"	851	STR							
AS516		110	110	5'-3"	602	8	2'-6"	6"	2'-6"				
AS517		55	55	10'-6"	602	STR							
AS518	2		2	23'-1"	48	STR							
AS519		2	2	25'-4"	53	STR							
AS520	2		2	20'-10"	44	STR							
AS521			2	27'-1"	56	STR							
AS522			55	12'-0"	688	STR							
			1 SR	24'-0"									
AS523			OF	TO	215	STR							6 1/4"
			8	27'-7"									
AS1001	194	142	336	25'-11"	37471	16	24'-6"						
AS1002	72	66	138	25'-5"	15093	16	24'-0"						
	1 SR		1 SR	25'-5"			24'-0"						
AS1003	OF		OF	TO	2104	16	TO						2 1/2"
	18		18	29'-0"			27'-7"						
SUB-TOTAL					80,951								

* - INDICATES MECHANICAL CONNECTOR IS REQUIRED



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.

DESIGN AGENCY
PRIME
6415 JAMES RILEY RD
COLUMBUS, OHIO 43231

DATE
4/23/2021

REVIEWED
CCJ

DRAWN
JAT

DESIGNED
JAT

BRIDGE NO. SUM-77-1543
I-77 OVER HAWKINS AVE.

SUM-76 / 77 / 8 -
8.24 / 09.74 / 0.00

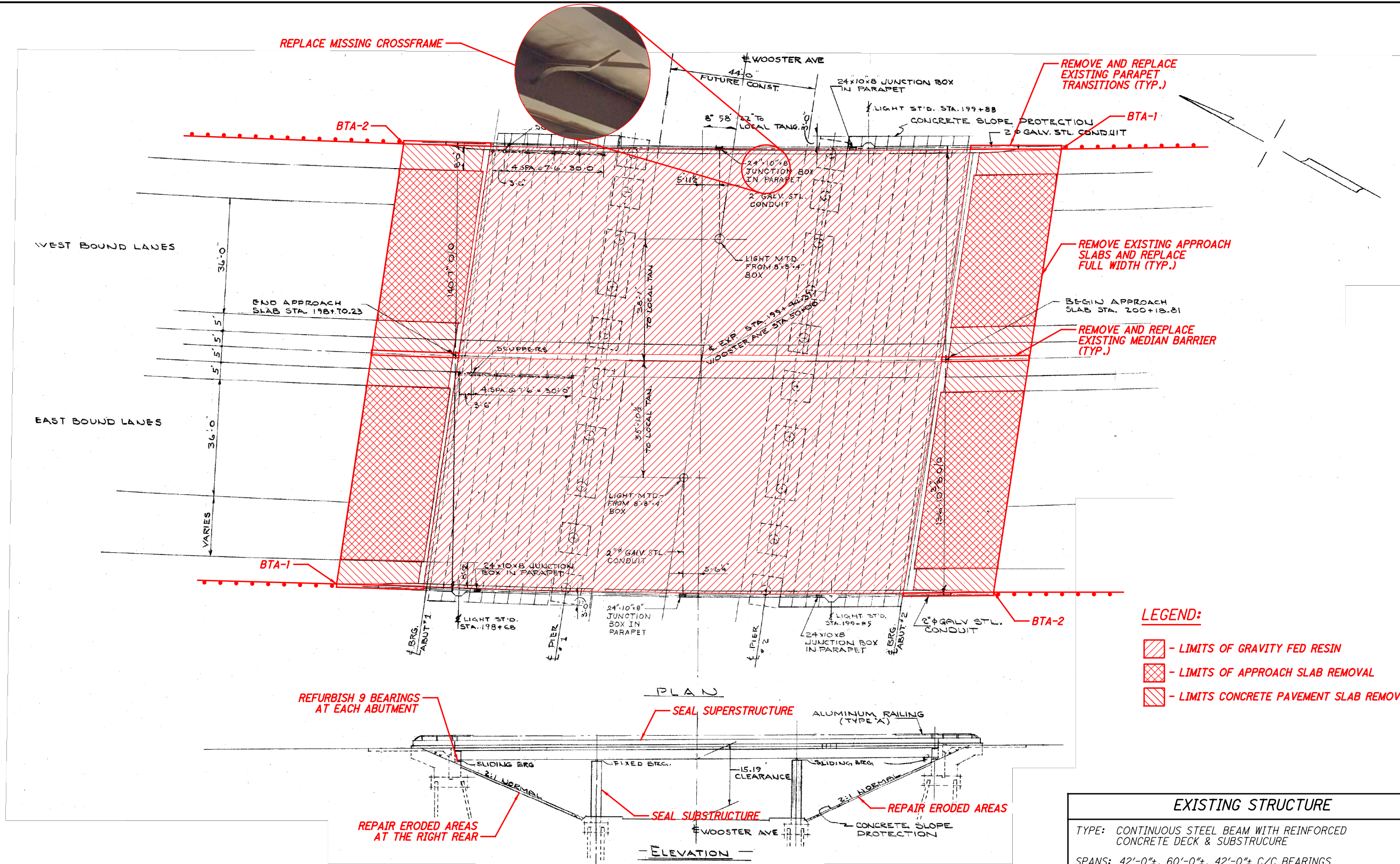
PID No. 102329

10 / 10

43
53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

- NOTES:**
1. FOR GENERAL NOTES, SEE SHEET **2/53** THRU **5/53**.
 2. FOR TRANSVERSE SECTION, SEE SHEET **4/10**.
 3. FOR REMOVAL DETAILS, SEE SHEET **2/10** THRU **3/10**.
 4. FOR APPROACH SLAB DETAILS, SEE SHEET **6/10** THRU **7/10**.
 5. FOR PARAPET DETAILS, SEE SHEET **8/10** THRU **9/10**.
 6. FOR CROSSFRAME DETAILS, SEE SHEET **4/10**.

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK & SUBSTRUCTURE	
SPANS: 42'-0"±, 60'-0"±, 42'-0"± C/C BEARINGS	
ROADWAY: VARIES (SEE FRAMING PLAN)	
WEARING SURFACE: 1"± MONOLITHIC	
LOADING: CF 2000(57) ADEQUATE FOR AASHTO ALT. LOADING	
SKEW: 08°58'22"± (TO LOCAL TANGENT) L.F.	
APPROACH SLABS: 25'-0"± LONG (AS-I-54)	
ALIGNMENT: 2°00'-00"± CURVE LT	
SUPERELEVATION: 0.047± FT/FT	
COORDINATES: LATITUDE 41°03'50"± N LONGITUDE 81°34'22"± W	

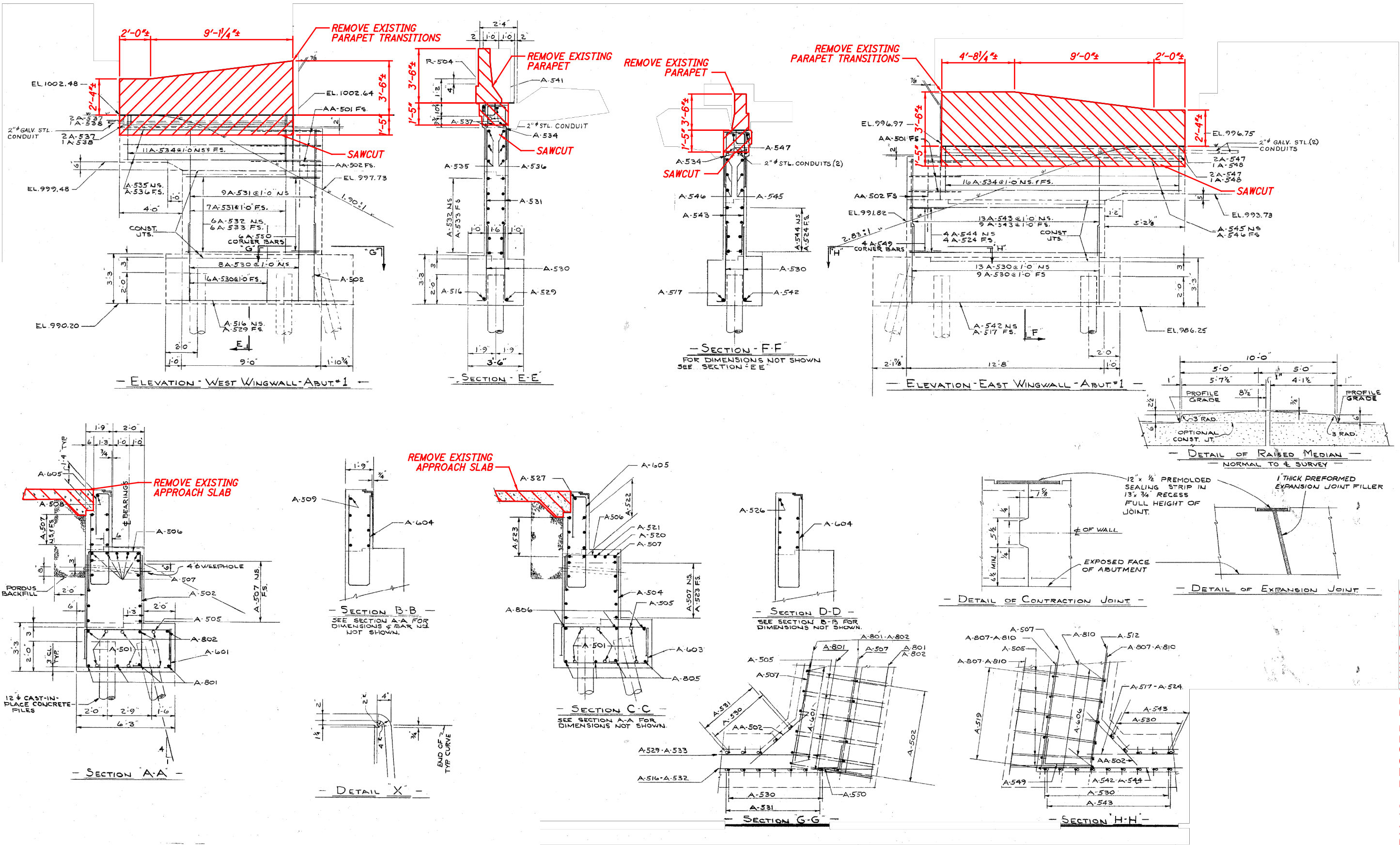
- LEGEND:**
- LIMITS OF GRAVITY FED RESIN
 - LIMITS OF APPROACH SLAB REMOVAL
 - LIMITS CONCRETE PAVEMENT SLAB REMOVAL

2026-03-24 - BU-16 - RECORD DRAWING PLANS

GENERAL PLAN		SUMMIT COUNTY		DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
BRIDGE NO. SUM-77-1570		STA. 198+70.23±		KDC		KDC		CCJ		4/23/2021		PRIME	
I-77 OVER VERNON ODOM BLVD.		STA. 200+18.81±		JAT		JAT		7703635		7703635		PRIME	
SUM-76/77/8-		8.24/9.74/0.00		PID No. 102329		1/10		44		53		PRIME	
												PRIME	

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:
[Hatched Box] - LIMITS OF REMOVAL

NOTE:
1. FOR PARAPET DETAILS, SEE SHEET 8/10.
2. FOR APPROACH SLAB DETAILS, SEE SHEET 6/10 THRU 7/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

SUM-76/77/8-
8.24/09.74/0.00
PID No. 102329

REMOVAL DETAILS (1 OF 2)
BRIDGE NO. SUM-77-1570
I-77 OVER VERNON ODOM BLVD.

DESIGNED
KDC
CHECKED
JAT

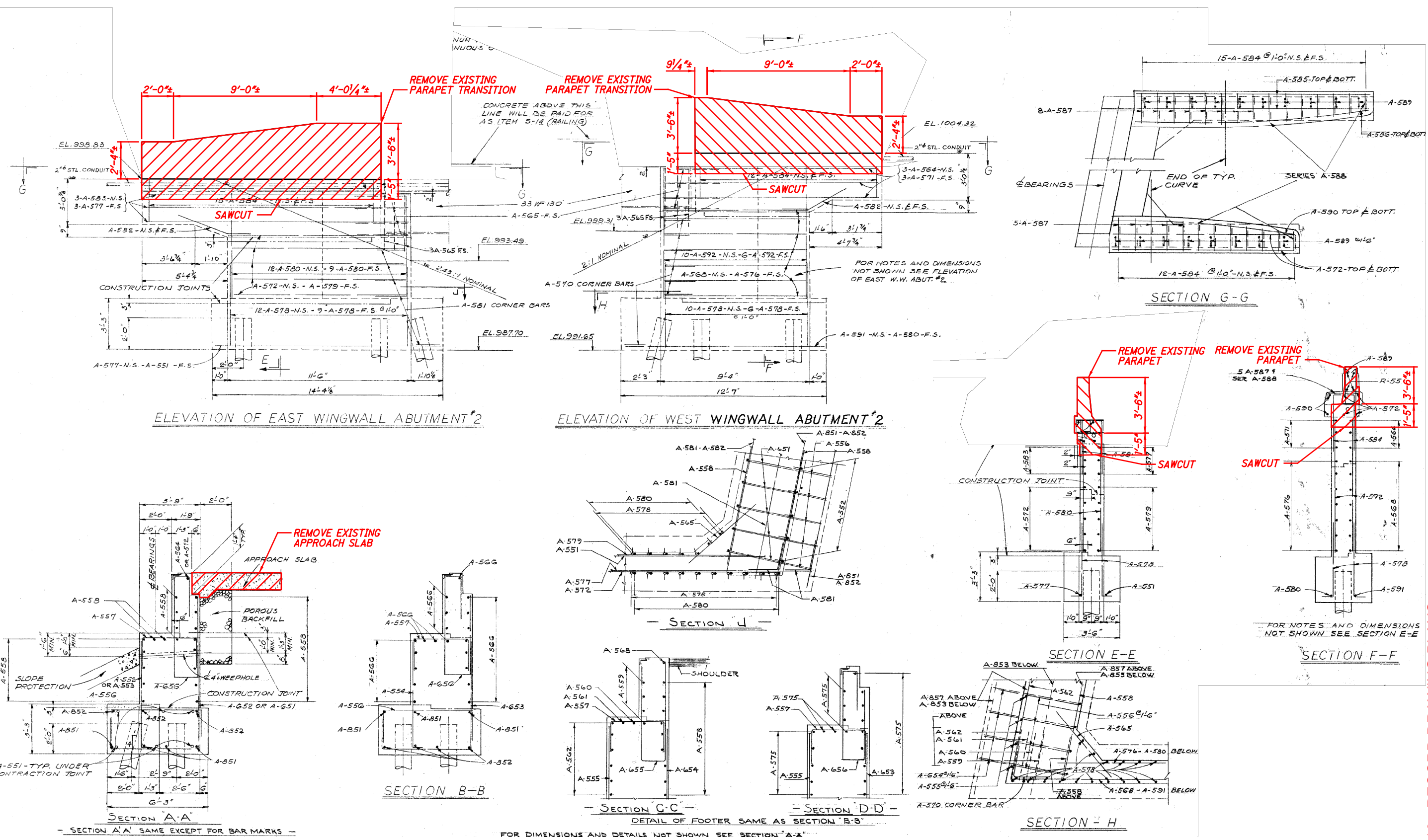
DRAWN
KDC
REVIEWED
CCJ

DATE
4/23/2021
STRUCTURE FILE NUMBER
7703635

DESIGN AGENCY
PRIME
8450 BAKER BLVD.
COLUMBUS, OHIO 43231

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ISSUE RECORD		DESCRIPTION
NO.	DATE	



ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

LEGEND:
[Red Hatched Box] - LIMITS OF REMOVAL

NOTE:
1. FOR PARAPET DETAILS, SEE SHEET [8/10].
2. FOR APPROACH SLAB DETAILS, SEE SHEET [6/10] THRU [7/10].

2026-03-24 - BU-16 - RECORD DRAWING PLANS

REMOVAL DETAILS (2 OF 2)

SUM-76/77/8-
8.24/09.74/0.00
PID No. 102329

BRIDGE NO. SUM-77-1570
I-77 OVER VERNON ODOM BLVD.

DESIGN AGENCY
PRIME
6455 N. STATE RD.
COLUMBUS, OHIO 43231

DATE
4/23/2021

REVIEWED
CCJ

DRAWN
KDC

CHECKED
JAT

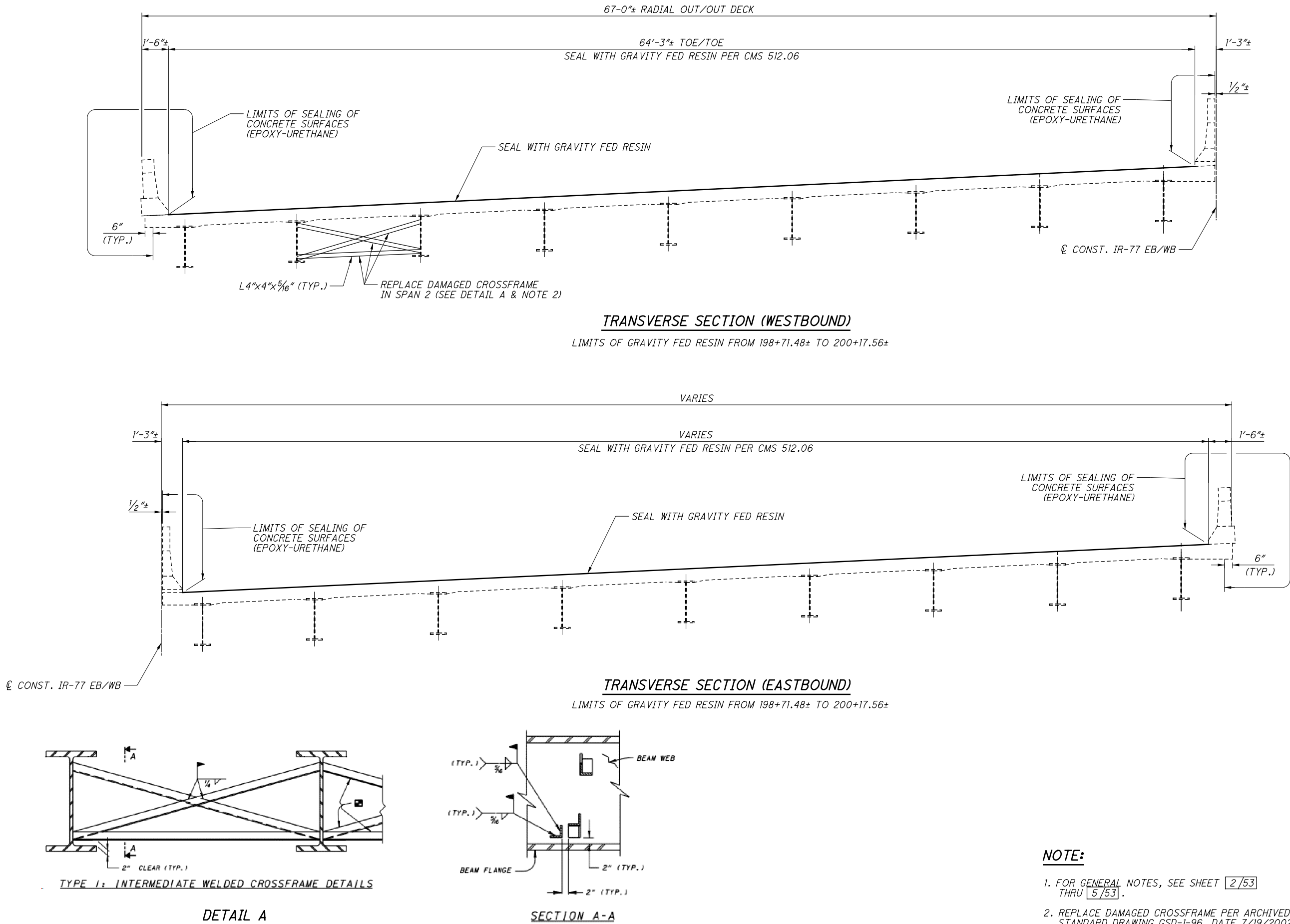
STRUCTURE FILE NUMBER
7703635

3/10

46
53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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- NOTE:**
1. FOR GENERAL NOTES, SEE SHEET 2/53 THRU 5/53.
 2. REPLACE DAMAGED CROSSFRAME PER ARCHIVED STANDARD DRAWING GSD-1-96, DATE 7/19/2002.

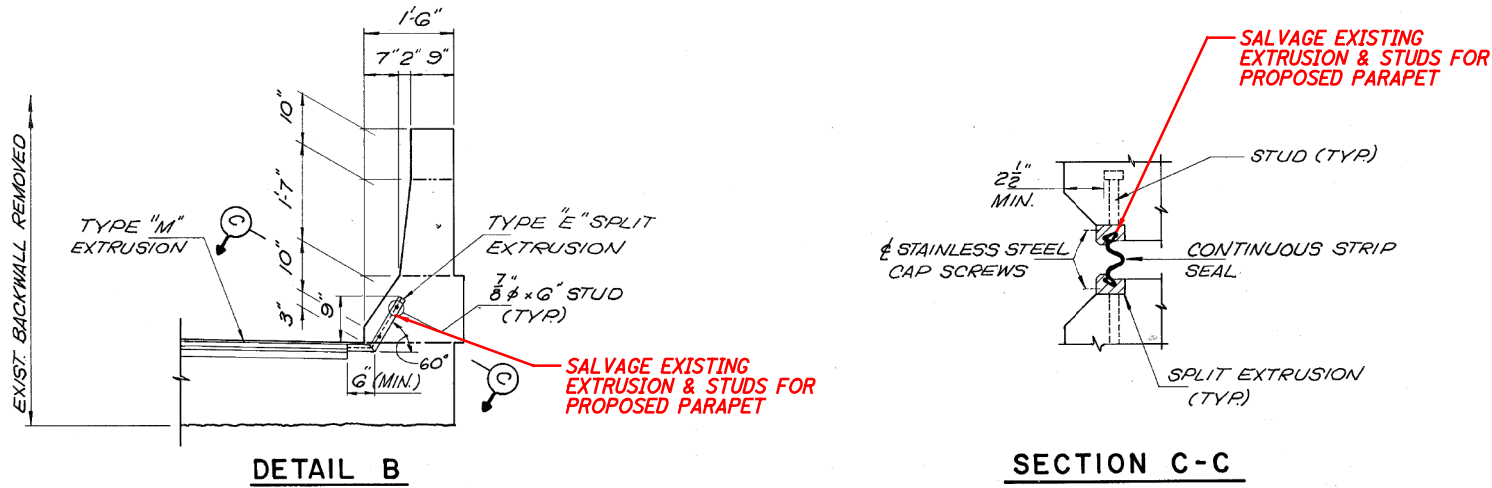
2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 8415 Nulser Place Suite 300 Columbus Ohio 43231		REVIEWED DATE CCJ 4/23/2021	DRAWN HM	DESIGNED HM	BRIDGE REHABILITATION	
		STRUCTURE FILE NUMBER 7703635	REVISED	CHECKED KDC	BRIDGE NO. SUM-77-1570 I-77 OVER VERNON ODOM BLVD.	
SUM-76/77/8- 8.24/09.74/0.00		PID No. 102329				
4 / 10						
47 53						

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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ORIGINAL CONSTRUCTION
PLANS SHOWN FOR
INFORMATION ONLY

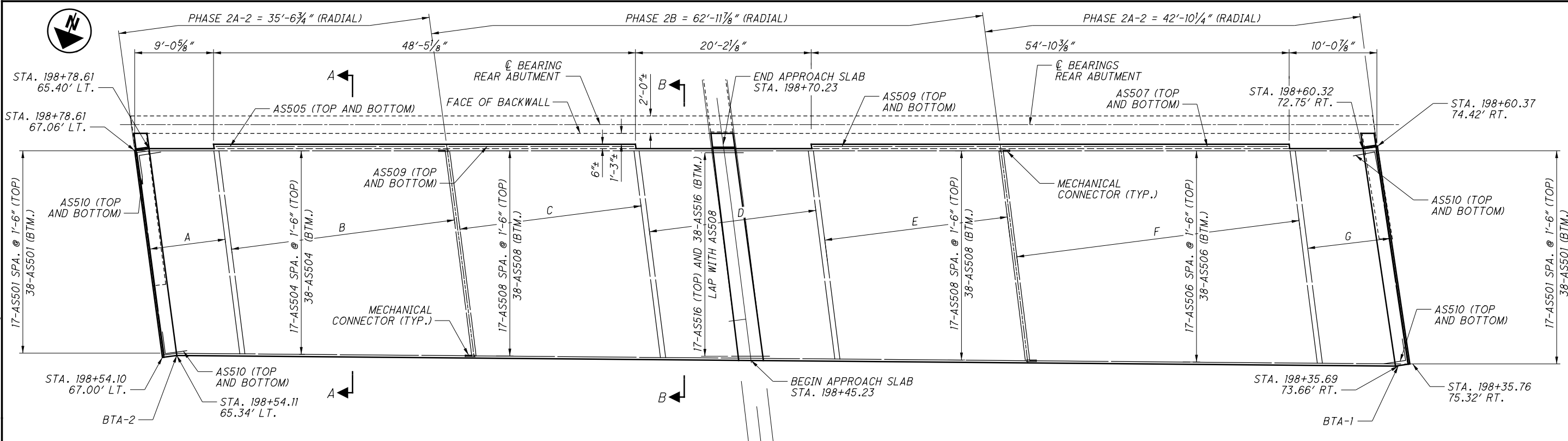


NOTE:
1. FOR ADDITIONAL PARAPET DETAILS, SEE SHEET 8/10.

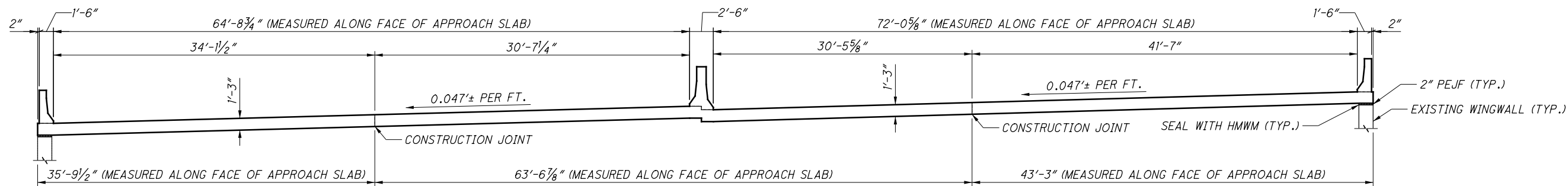
5 / 10 48 / 53		SUM-76 / 77 / 8 - 8.24 / 09.74 / 0.00 PID No. 102329	EXPANSION JOINT DETAILS BRIDGE NO. SUM-77-1570 I-77 OVER VERNON ODOM BLVD.				DESIGNED KDC CHECKED JAT	DRAWN KDC REVISED	REVIEWED CCJ STRUCTURE FILE NUMBER 7703600	DATE 4/23/2021
DESIGN AGENCY PRIME 8415 Pulser Place Suite 300 Columbus Ohio 43231										

ISSUE RECORD:	DESCRIPTION
NO.	DATE

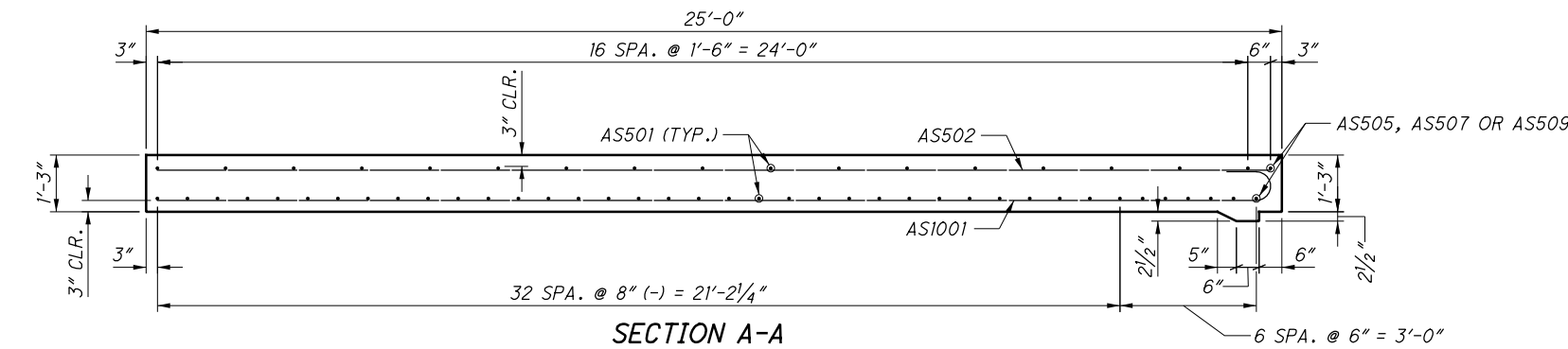
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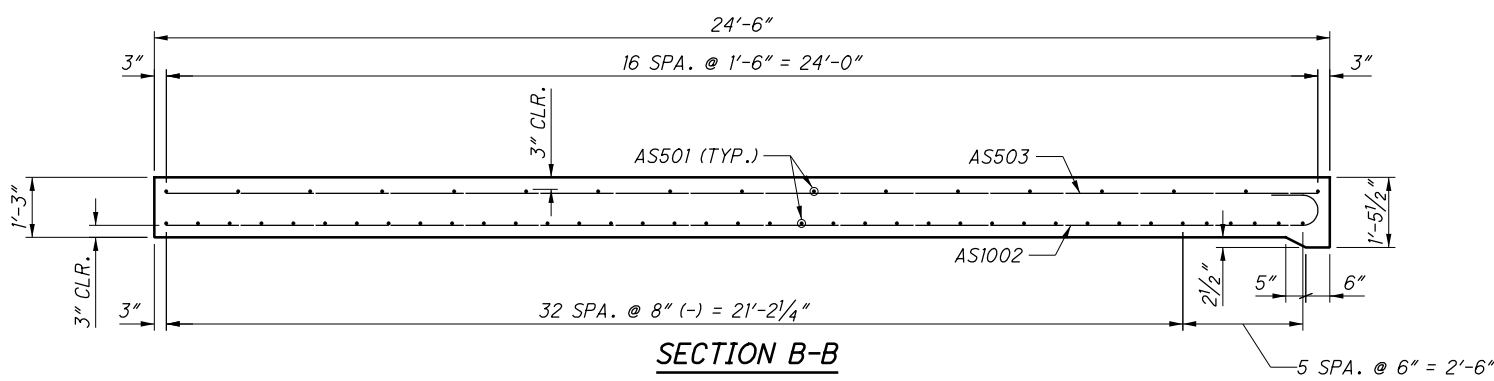
REAR APPROACH SLAB PLAN



REAR APPROACH SLAB ELEVATION



SECTION A-A



SECTION B-B

MINIMUM LAP LENGTHS:

#5 BAR = 2'-6"

LEGEND:

- A - 6-AS503 SPA. @ 1'-6" MAX. (TOP) 7 16-AS1002 SPA. @ 7" MAX. (BTM.)
- B - 19-AS502 SPA. @ 1'-6" MAX. (TOP) & 46-AS1001 SPA. @ 7" MAX. (BTM.)
- C - 15-AS502 SPA. @ 1'-6" MAX. (TOP) & 37-AS1001 SPA. @ 7" MAX. (BTM.)
- D - 13-AS503 SPA. @ 1'-6" MAX. (TOP) & 34-AS1002 SPA. @ 7" MAX. (BTM.)
- E - 15-AS502 SPA. @ 1'-6" MAX. (TOP) & 38-AS1001 SPA. @ 7" MAX. (BTM.)
- F - 22-AS502 SPA. @ 1'-6" MAX. (TOP) & 56-AS1001 SPA. @ 7" MAX. (BTM.)
- G - 8-AS503 SPA. @ 1'-6" MAX. (TOP) & 18-AS1002 SPA. @ 7" MAX. (BTM.)

NOTES:

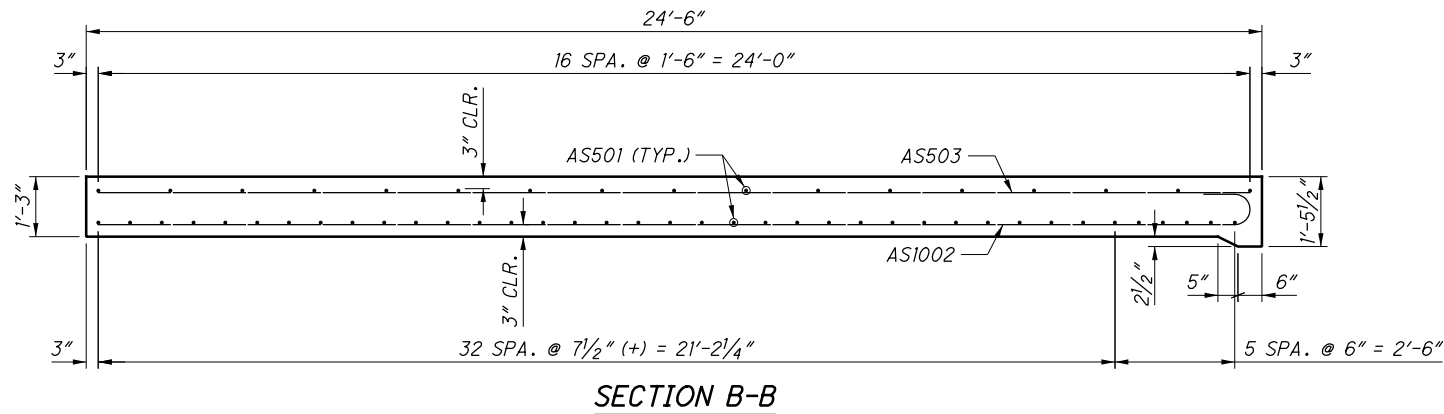
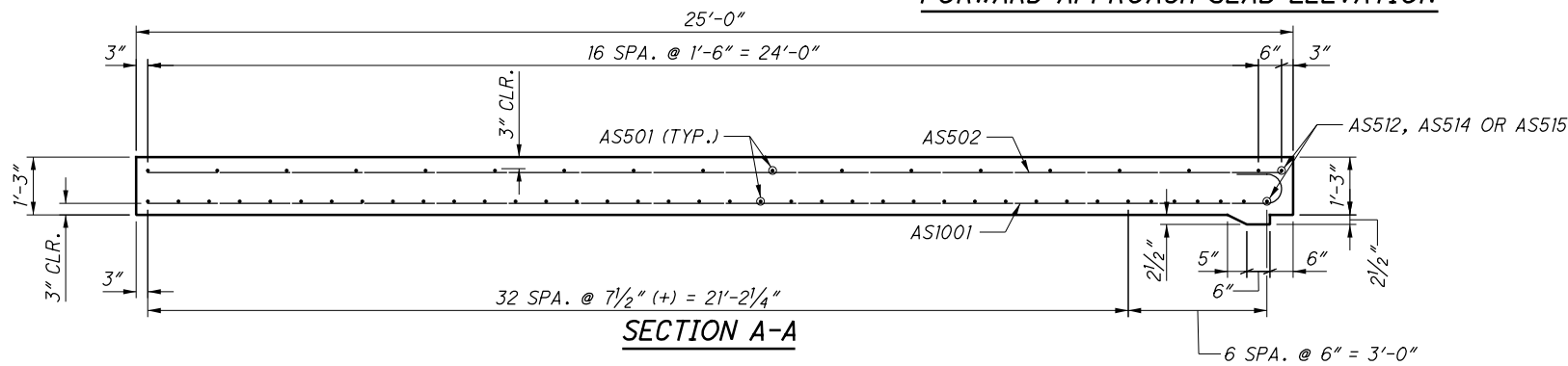
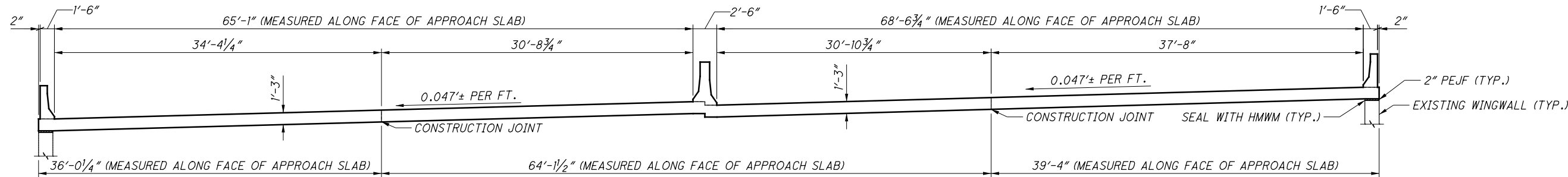
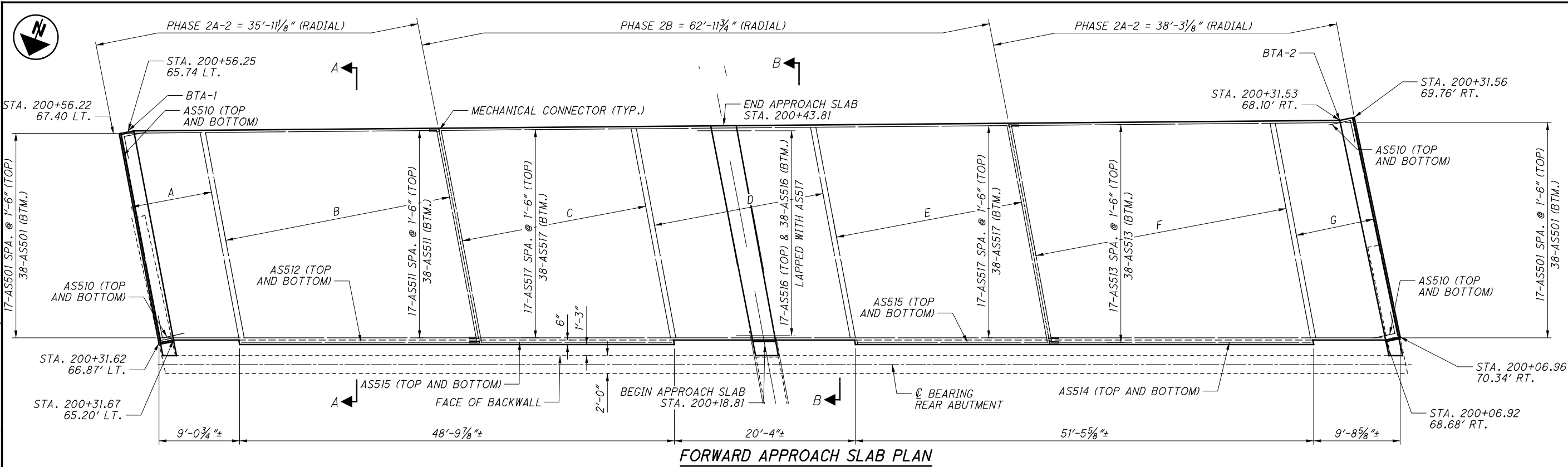
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. AS-1-15.
- FOR PARAPET TRANSITIONS AND MEDIAN BARRIER, SEE SHEET 8/10 THRU 9/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY PRIME 8450 BAKER BLVD. COLUMBUS, OHIO 43231	
DATE 4/23/2021	REVIEWED CCJ
STRUCTURE FILE NUMBER 7703635	DRAWN JAT
CHECKED KDC	DESIGNED JAT
BRIDGE NO. SUM-77-1570 I-77 OVER VERNON ODOM BLVD.	
SUM-76/77/8- 8.24/09.74/0.00 PID No. 102329	
6/10	
49 53	

ISSUE RECORD:	DESCRIPTION
NO.	DATE

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MINIMUM LAP LENGTHS:

#5 BAR = 2'-6"

LEGEND:

- A - 7-AS503 SPA. @ 1'-6" MAX. (TOP) & 17-AS1002 SPA. @ 7" MAX. (BTM.)
- B - 18-AS502 SPA. @ 1'-6" MAX. (TOP) & 45-AS1001 SPA. @ 7" MAX. (BTM.)
- C - 15-AS502 SPA. @ 1'-6" MAX. (TOP) & 37-AS1001 SPA. @ 7" MAX. (BTM.)
- D - 13-AS503 SPA. @ 1'-6" MAX. (TOP) & 34-AS1002 SPA. @ 7" MAX. (BTM.)
- E - 15-AS502 SPA. @ 1'-6" MAX. (TOP) & 38-AS1001 SPA. @ 7" MAX. (BTM.)
- F - 20-AS502 SPA. @ 1'-6" MAX. (TOP) & 50-AS1001 SPA. @ 7" MAX. (BTM.)
- G - 7-AS503 SPA. @ 1'-6" MAX. (TOP) & 17-AS1002 SPA. @ 7" = MAX. (BTM.)

NOTES:

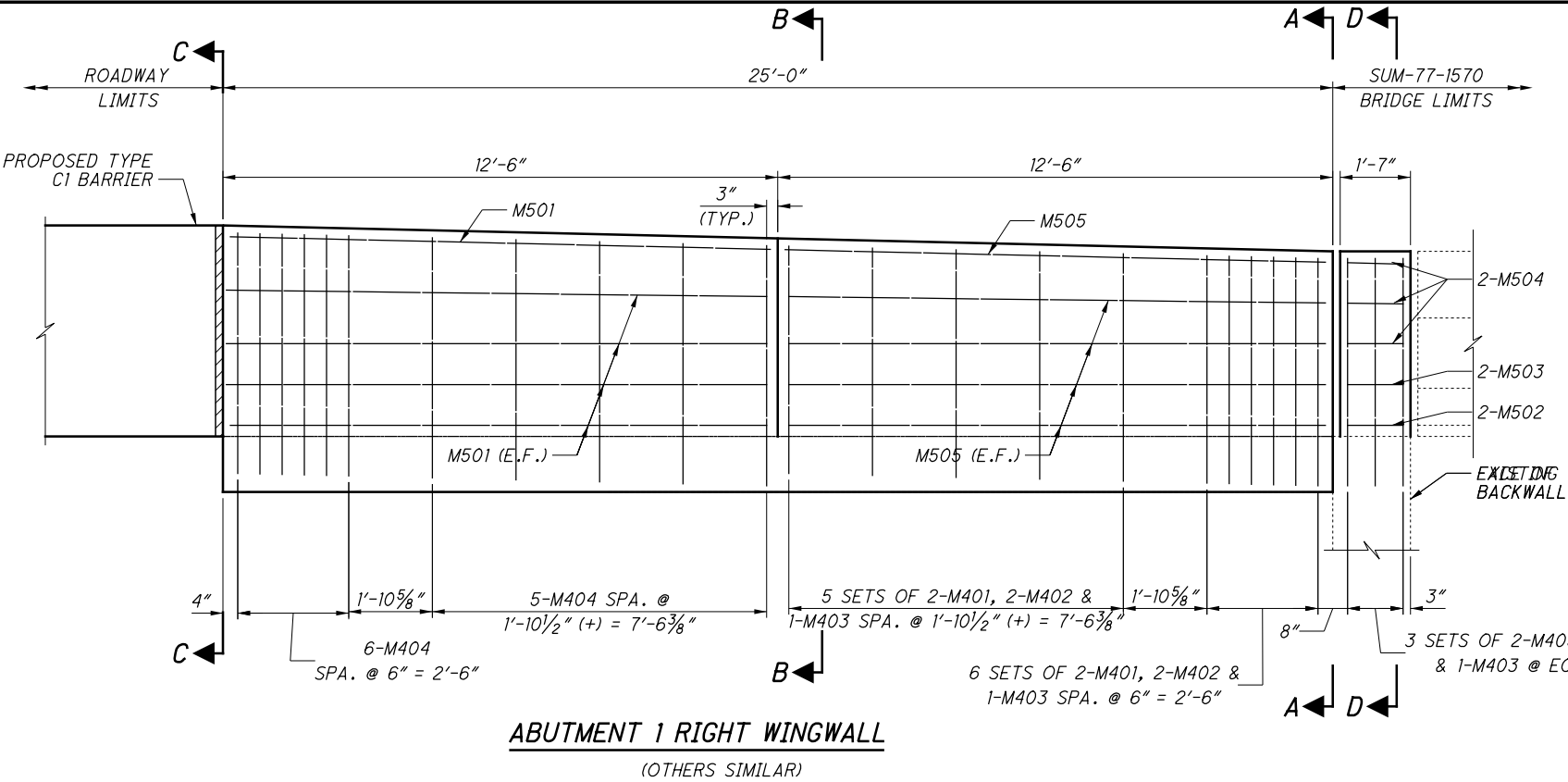
1. FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. AS-1-15.
2. FOR PARAPET TRANSITIONS AND MEDIAN BARRIER, SEE SHEET 8/10 THRU 9/10.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

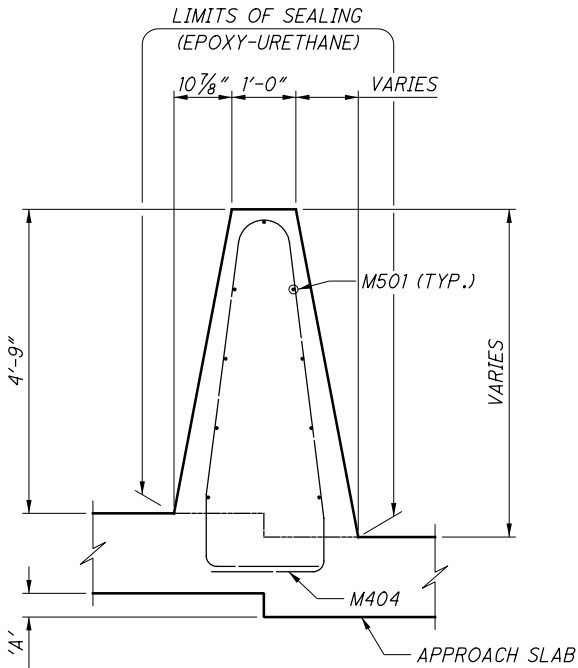
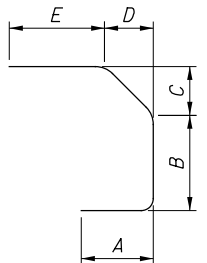
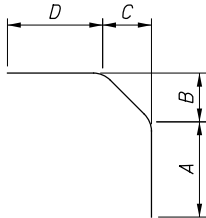
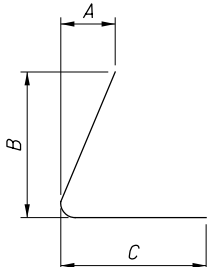
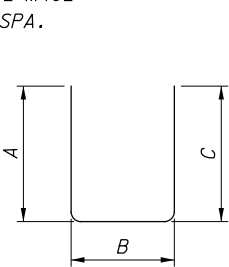
DESIGN AGENCY PRIME 6450 STATE ROUTE 300 COLUMBUS, OHIO 43231	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DATE</td> <td style="width: 25%;">REVIEWED</td> <td style="width: 25%;">DRAWN</td> <td style="width: 25%;">DESIGNED</td> </tr> <tr> <td>4/23/2021</td> <td>CCJ</td> <td>JAT</td> <td>JAT</td> </tr> <tr> <td>STRUCTURE FILE NUMBER</td> <td>7703635</td> <td>REVISED</td> <td>KDC</td> </tr> </table>	DATE	REVIEWED	DRAWN	DESIGNED	4/23/2021	CCJ	JAT	JAT	STRUCTURE FILE NUMBER	7703635	REVISED	KDC
DATE	REVIEWED	DRAWN	DESIGNED										
4/23/2021	CCJ	JAT	JAT										
STRUCTURE FILE NUMBER	7703635	REVISED	KDC										
FORWARD ABUTMENT APPROACH SLAB DETAILS BRIDGE NO. SUM-77-1570 I-77 OVER VERNON ODOM BLVD.													
SUM-76/77/8- 8.24/09.74/0.00 PID No. 102329													
7/10 50 53													

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

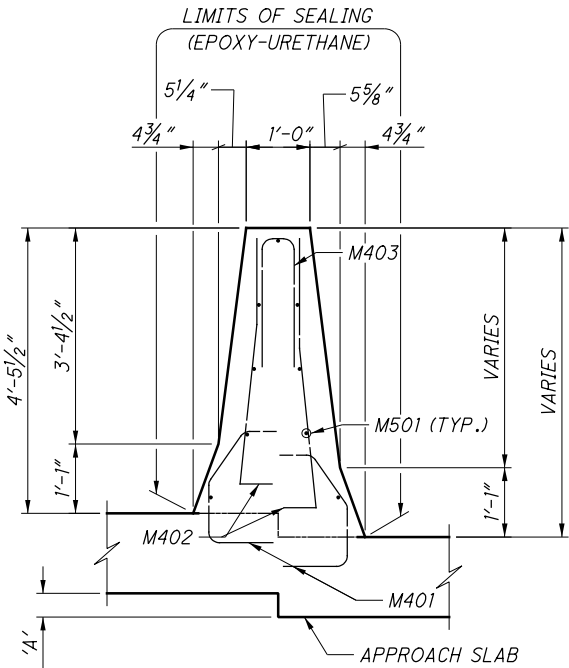
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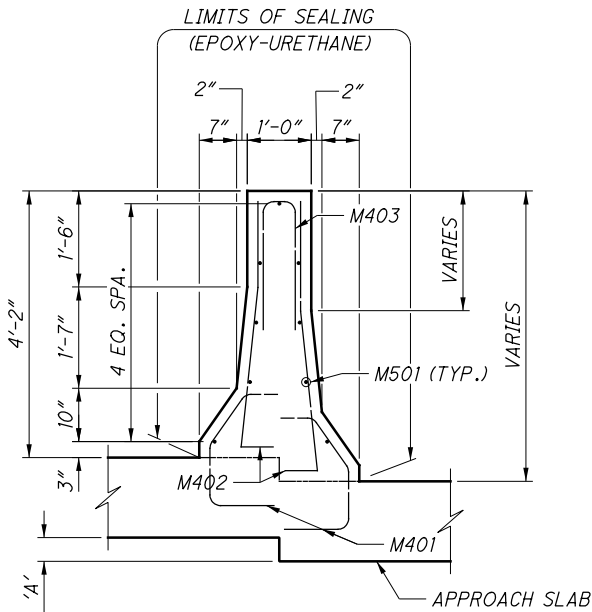
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS						
	TOTAL				A	B	C	D	E	R	INC
APPROACH SLAB MEDIAN											
M401	44	3'-2"	93	14	7"	6"	8 ¾"	1'-0"	1'-0"		
M402	56	3'-9"	140	11	5 ¼"	3'-4 ½"	6"				
M403	28	6'-6"	122	2	3'-0"	8"	3'-0"				
M404	11	14'-6"	107	34	9"	2'-5"	1'-0"	4'-7"		5"	
M405	12	3'-5"	27	13	1'-3"	0'-8 ¾"	1'-0"	1'-0"			
M501	11	12'-2"	140	STR							
M502	4	4'-3"	18	2	1'-3"	2'-0"	1'-3"				
M503	4	3'-1"	13	2	1'-3"	10"	1'-3"				
M504	12	2'-9"	34	2	1'-3"	6"	1'-3"				
M505	11	13'-11"	160	STR							
SUB-TOTAL			854								



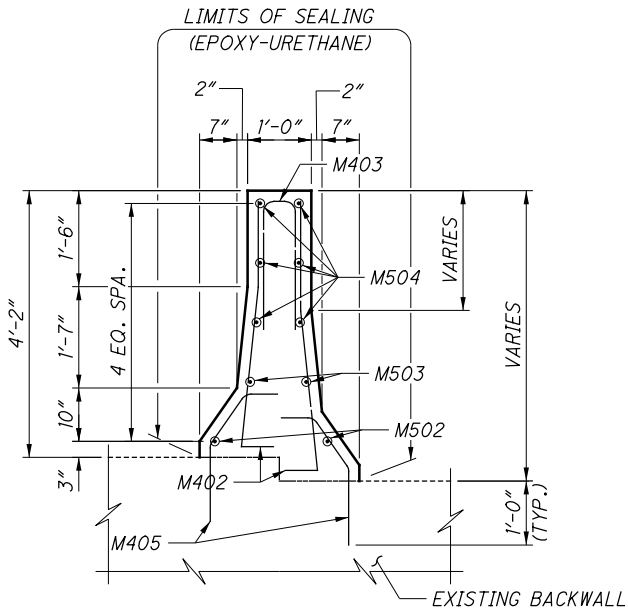
SECTION C-C



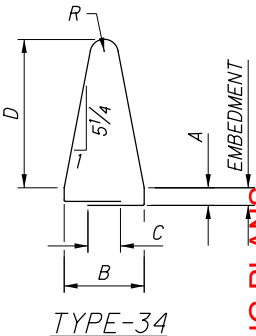
SECTION B-B



SECTION A-A



SECTION D-D



- NOTES:**
- FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. RM-4.3.
 - CLEAR DISTANCE FROM THE EDGE OF CONCRETE TO THE FACE OF REINFORCING STEEL SHALL BE 2" UNLESS NOTED OTHERWISE.

2026-03-24 - BU-16 - RECORD DRAWING PLANS

DESIGN AGENCY

PRIME

DATE: 4/23/2021

FILE NUMBER: 7703635

BRIDGE NO. SUM-77-1570

I-77 OVER VERNON ODOM BLVD.

SUM-76/77/8-8.24/09.74/0.00

PID No. 102329

9/10

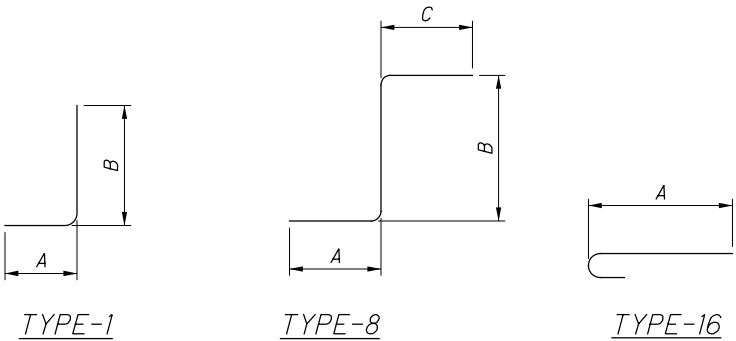
52/53

ISSUE RECORD:		DESCRIPTION
NO.	DATE	

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MARK	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
	PHASE 2A-2	PHASE 2B	TOTAL				A	B	C	D	E	R	INC
APPROACH SLABS													
AS501	220		220	30'-0"	6884	STR							
AS502	79	60	139	24'-6"	3552	STR							
AS503	28	26	54	24'-0"	1352	STR							
*AS504	55		55	8'-2"	468	STR							
AS505	2		2	26'-7"	55	STR							
*AS506	55		55	15'-7"	894	STR							
AS507	2		2	32'-11"	69	STR							
AS508		110	110	31'-9"	3643	STR							
AS509		4	4	21'-6"	90	STR							
AS510	16		16	4'-10"	81	1	2'-6"	2'-6"					
*AS511	55		55	8'-10"	507	STR							
AS512	2		2	25'-10"	54	STR							
*AS513	55		55	11'-3"	645	STR							
AS514	2		2	29'-5"	61	STR							
AS515		4	4	21'-8"	90	STR							
AS516		110	110	5'-3"	602	8	2'-6"	6"	2'-6"				
AS517		110	110	32'-0"	3671	STR							
AS1001	197	150	347	25'-11"	38697	16	24'-6"						
AS1002	68	68	136	25'-5"	14874	16	24'-0"						
SUB-TOTAL					76,289								

* - INDICATES MECHANICAL CONNECTOR IS REQUIRED



- 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.
FOR ADDITIONAL NOTES AND DETAILS, SEE STD. DWG. AS-1-15.