LOCATION MAP

LATITUDE: 40°02'29" LONGITUDE: -84°12'07"

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O BE	MPROVED.			-,,-	_

INTERSTATE HIGHWAY ______ FEDERAL ROUTES COUNTY & TOWNSHIP ROADS______

DESIGN DESIGNATION

CURRENT ADT (2016)	20,000
DESIGN YEAR ADT (2036).	21,000
DESIGN HOURLY VOLUME (2036).	
DIRECTIONAL DISTRIBUTION	53%
TRUCKS (24 HOUR B&C)	2%
DESIGN SPEED.	40
LEGAL SPEED CONTROL & LONG CONTROL &	
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN MINOR ARTERIAL	
NHS PROJECT	NO.

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG



1-800-362-2764 (TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988

Stantec

Cincinnoll OH 45241 (513) 842-8200

RESOURCE INTERNATIONAL INC. 4480 LAKE FOREST DRIVE CINCINNATI, OHIO 45242 (513) 769-6998

ENGINEERS SEAL:

SHEETS 1, 4 THRU 14

SIGNED: WYLLT

DATE: Oct. 2, 2015

ENGINEERS SEAL:

SHEETS 2, 3, 15 THRU 17A

JOSEPH L

DATE: 0ctl. 2, 2015

SHEETS 18 THRU 35

DATE: Oct. 2, 2015

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

MIA-55-11.83 CITY OF TROY MIAMI COUNTY

INDEX OF SHEETS:

TITLE SHEET TYPICAL SECTIONS GENERAL NOTES MAINTENANCE OF TRAFFIC GENERAL SUMMARY TRAFFIC CONTROL STRUCTURES OVER 20'

4-14 15, 15A 16-17, 17A 18-35

SHEETS ADDED: 15A AND 17A

SPECIAL

SUPPLEMENTAL

SPECIFICATIONS PROVISIONS EXJ-4-87 7/19/02 TC-71.10 1/17/14 GSD-1-96 7/19/02 10/16/1 4/20/12 RB-1-55 7/19/1 7/17/1 4/20/1 ENGINEERS SEAL: DM-4.4 7/20/1 MT-95.31 7/18/14 MT-95.32 7/18/14 MT-95.41 7/18/14 MT-97.12 7/18/14 MT-101.60 7/19/1 MT-101.70 1/17/14 MT-105.10 7/19/1.

STANDARD CONSTRUCTION DRAWINGS

PROJECT DESCRIPTION

CONSTRUCTION OF A LATEX MODIFIED CONCRETE OVERLAY ON THE EXISTING BRIDGE DECK USING HYDRODEMOLITION ON THE EXISTING BRIDGE DECK USING HYDRODEMOLITION
ALONG WITH THE REPLACEMENT OF THE EXISTING EXPANSION
JOINTS, SEALING THE LONGITUDINAL JOINT, AND PAINTING
Q. JOINTS, SEALING THE LONGITUDINAL JOINT, AND PAINTING OF THE STRUCTURAL STEEL.

PROJECT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT) ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT) NOTICE OF INTENT EARTH DISTURBED AREA: N/A (MAINTENANCE PROJECT)

2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED Randy Chevalley PEPS, DATE 10120115 DISTRICT DEPUT DIRECTOR

APPROVED TOTAL TOTAL OF THE STATE OF TRANSPORTATION

35

10

MIA

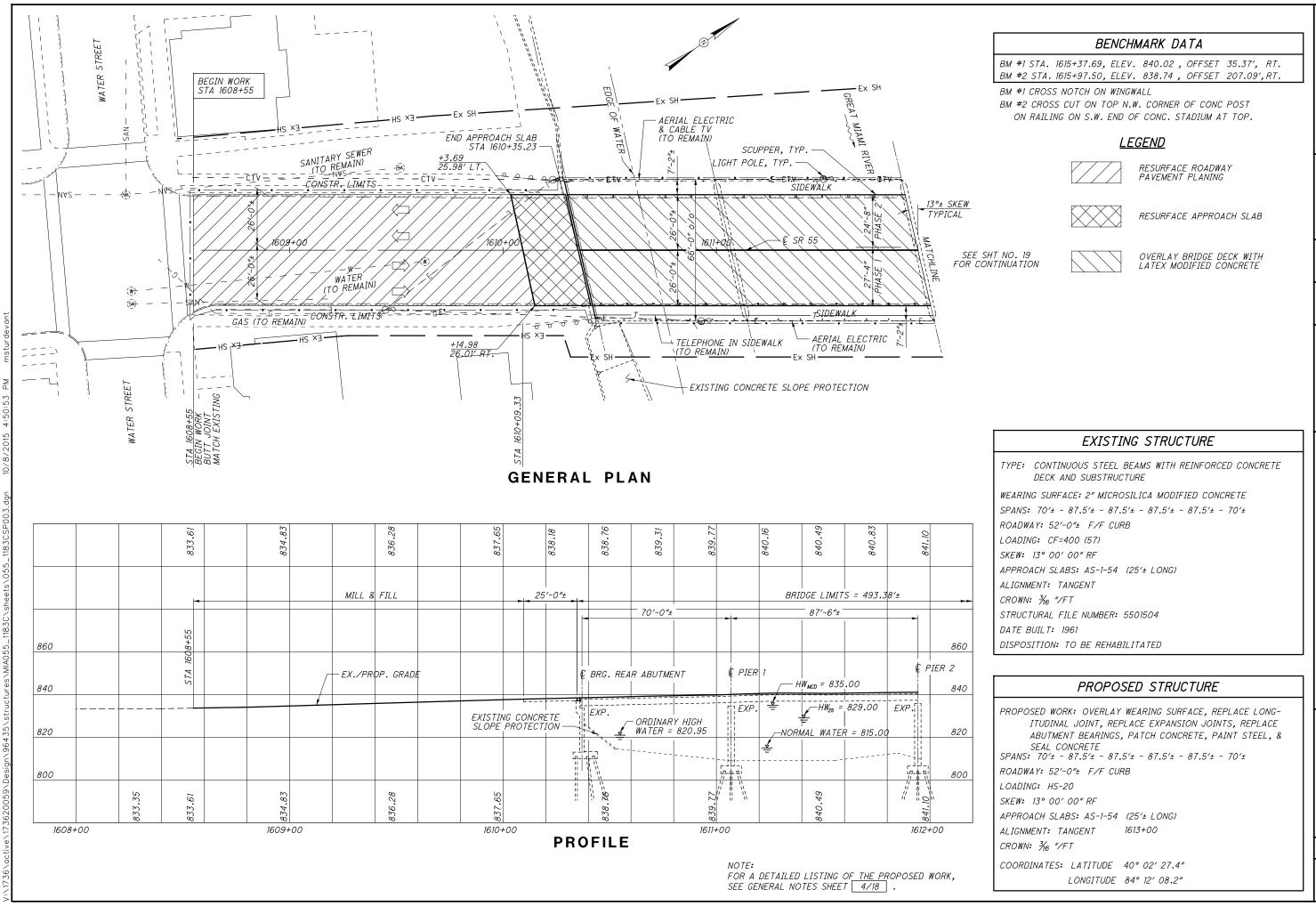
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DESIGN AGENCY

Stantec chodmatl, Otho
(513) 842-8200

REVIEWED DATE
JRC 06/2019
STRUCTURE FILE NUMBE
5501504

MRS ALH
HECKED REVISE

MIAMI COUNTY 'A. 1610+35.23 'A. 1615+28.61

N STA

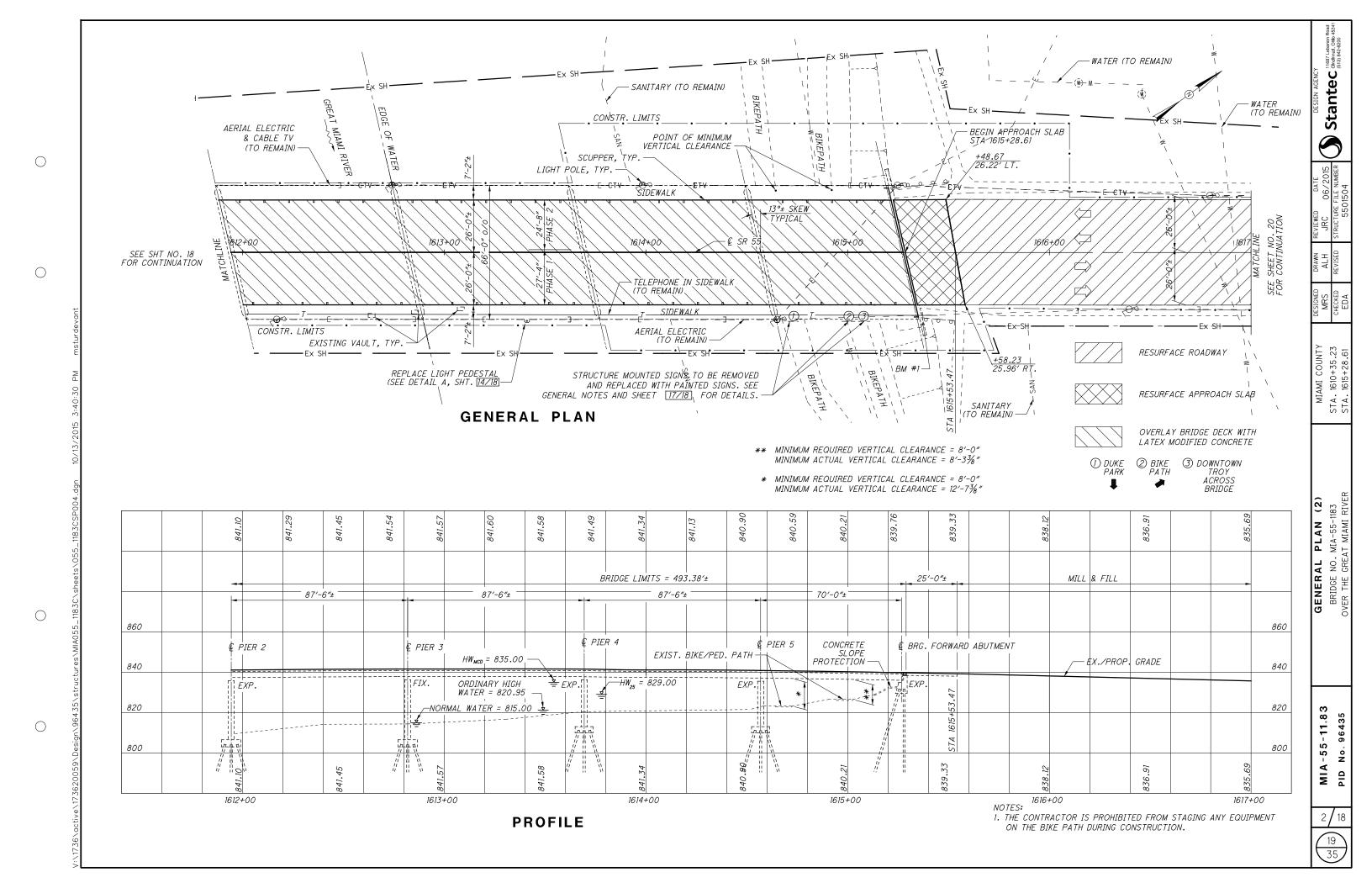
(AL PLAN (1) NO. MIA-55-1183 GREAT MIAMI RIVER

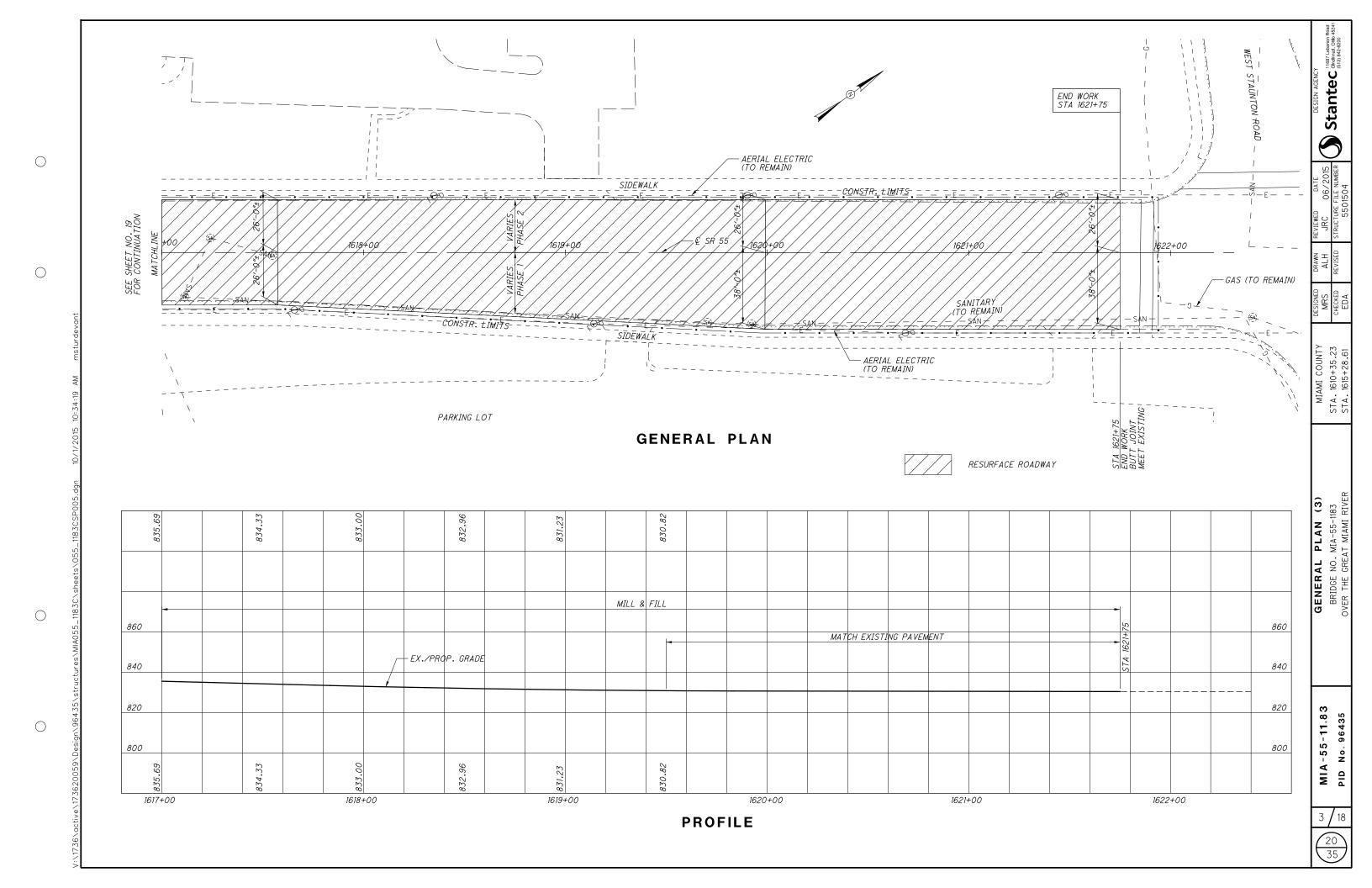
GENERAL P BRIDGE NO. M OVER THE GREAT

MIA-55-11.83

1/18

18 35





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- 2. REPLACE EXPANSION JOINTS WITH STRUCTURAL JOINTS USING ELASTOMERIC STRIP SEALS.
- 3. REPLACE END CROSSFRAMES.
- 4. REPLACE REAR ABUTMENT BEARINGS WITH NEW STEEL ROCKERS.
- 5. REPLACE FORWARD ABUTMENT BEARINGS WITH LAMINATED ELASTOMERIC BEARINGS WITH LOAD PLATES.
- 6. REBUILD ENDS OF SCUPPER DOWN SPOUTS.
- 7. SEAL DESIGNATED CONCRETE SURFACES WITH EPOXY-URETHANE SEALER.
- 8. OVERLAY BRIDGE DECK AND APPROACH SLABS WITH LATEX MODIFIED CONCRETE USING HYDRODEMOLITION.
- 9. PAINT STRUCTURAL STEEL.
- 10. REPAIR ONE LIGHT POLE BLISTER ON RIGHT SIDE

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

EXJ-4-87 REVISED 07/19/02 GSD-1-96 REVISED 07/19/02

REVISED

DATED 07/17/15 848

DESIGN SPECIFICATIONS

RB-1-55

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002 AND THE ODOT BRIDGE DESIGN MANUAL, 2004.

07/19/13

DESIGN LOADING

DESIGN LOADING: HS-20

DESIGN DATA

CONCRETE QC2 - COMPRESSIVE STRENGTH 4500 PSI

REINFORCING STEEL - ASTM A615 OR A996, GRADE 60, MINIMUM YIELD STRENGTH 60,000 PSI

STRUCTURAL STEEL - ASTM A709 GRADE 50 , MINIMUM YIELD STRENGTH 50,000 PSI

DECK PROTECTION METHOD

LATEX MODIFIED CONCRETE OVERLAY

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAM-INATION OF THE EXISTING STRUCTURE. HOWEVER, THE DE-PARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

DESCRIPTION: THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. THIS WORK CONSISTS OF THE REMOVAL OF PORTIONS OF THE CONCRETE DECKS INCLUDING SIDEWALKS, DECK JOINTS AND OTHER APPURTENANCES FROM STEEL SUPPORTING SYSTEMS (BEAMS, GIRDERS, CROSS FRAMES, ETC.) AND OTHER 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 PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE RAM TYPE OF EQUIPMENT IS PROHIBITED. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

PROTECTION OF STEEL SUPPORT SYSTEMS: BEFORE DECK SLAB CUTTING IS PERMITTED, DRAW THE OUTLINE OF PRIMARY STEEL MEMBERS IN CONTACT WITH THE BOTTOM OF THE DECK ON THE SURFACE OF DECK. DRILL SMALL DIAMETER PILOT HOLES 2 INCHES OUTSIDE THESE LINES TO CONFIRM THE LO-CATION OF FLANGE EDGES. DECK CUTS OVER OR WITHIN 2-INCHES OF FLANGE EDGES SHALL NOT EXTEND LOWER THAN THE BOTTOM LAYER OF DECK SLAB REINFORCING STEEL. CUTS MADE OUTSIDE 2 INCHES OF FLANGE EDGES MAY EXTEND THE FULL DEPTH OF THE DECK. PERFORM WORK CAREFULLY DUR-ING CUTTING OF THE DECK SLAB TO AVOID DAMAGING STEEL MEMBERS THAT ARE TO BE INCORPORATED INTO THE PROPOSED STRUCTURE. REPLACE OR REPAIR STEEL MEMBERS DAMAGED BY THE DECK SLAB CUTTING OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK. SUBMIT A PROPOSED REPAIR PLAN. DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE DIRECTOR. OBTAIN THE DIRECTOR'S APPROVAL BEFORE PERFORMING REPAIR.

REMOVAL METHODS: THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL MEMBERS (STEEL BEAM. STEEL GIRDER, ETC). PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. REMOVAL METHODS OVER STRUCTURAL MEMBERS SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS.

DUE TO THE POSSIBLE PRESENCE OF ATTACHMENTS (E.G., FINISHING MACHINE, SCUPPER AND FORM SUPPORTS, ETC.) TO EXISTING STRUCTURAL MEMBERS, PERFORM WORK CAREFULLY DURING DECK REMOVAL TO AVOID DAMAGING STRUCTURAL MEM-BERS THAT ARE TO REMAIN. REPLACE OR REPAIR STRUCTURAL MEMBERS DAMAGED BY THE REMOVAL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE DIRECTOR. OBTAIN THE DIRECTOR'S APPROVAL BEFORE PER-FORMING REPAIR.

EXISTING WELDED ATTACHMENTS: REMOVE EXISTING WELDED ATTACHMENTS (E.G., FINISHING MACHINE AND FORM SUPPORTS; AND SUPPORTS FOR SCUPPERS AND BULB ANGLES WHICH ARE TO BE REMOVED) LOCATED IN THE DESIGNATED TENSION POR-TIONS OF THE TOP FLANGES OF EXISTING STEEL MEMBERS AND GRIND THE FLANGE SURFACES SMOOTH. CAREFULLY GRIND PARALLEL TO THE FLANGES.

CUT LINE CONSTRUCTION JOINT PREPARATION: SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL, IF REQUIRED IN THE PLANS, IN PLACE. INSTALL DOWEL BARS IF SPECIFIED. PRIOR TO CONCRETE PLACEMENT ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS, EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH, BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

SUBSTRUCTURE CONCRETE REMOVAL: REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL NOT BE PERMITTED. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18 INCH LIMIT, THE CONTRACTOR MAY USE HAMMERS NOT EXCEEDING 90 POUNDS UPON THE APPROVAL OF THE ENGINEER. DO NOT PLACE PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE.

MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202, PORTIONS OF STRUCTURE REMOVED. AS PER PLAN.

ITEM 509 REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN

REPLACE ALL EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. THE DEPARTMENT WILL MEASURE THE REPLACEMENT REINFORCING STEEL BY THE NUMBER OF POUNDS ACCEPTED IN PLACE.

REPLACE ALL EXISTING REINFORCING STEEL 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 EPOXY COATED REINFORCING STEEL OF THE SAME SIZE AT NO COST TO THE DEPARTMENT.

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

ALL REQUIREMENTS OF 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 SUPPLEMENT 1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "AS-BUILT" DRAWINGS ACCORDING TO 513.06. EXCEPT 501.04 DOES NOT APPLY. UPON RECEIPT OF THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAWINGS, ACCORDING TO SUPPLEMENT 1002, TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: END CROSSFRAMES.

ITEM 514, PAINTING STRUCTURAL STEEL

FINISH COAT OF OZEU SYSTEM SHALL BE FEDERAL COLOR 16515 (LIGHT GREY)

ITEM 514, FIELD PAINTING, MISC.: WAYFARER SIGNS

WAYFARER SIGNS SHALL BE PAINTED ON THE RIGHT FASCIA BEAM DIRECTLY ABOVE THE MULTI-PURPOSE PATHS. TEXT SHALL BE AS SHOWN ON SHEET 17 / 18 . PAINT SHALL MEET THE REQUIREMENTS OF CMS 708.02.D. COLOR OF THE LETTERING, ARROWS AND BORDERS SHALL BE FEDERAL COLOR NO. 17038 (BLACK). BACKGROUND WITHIN BORDERS SHALL BE FEDERAL COLOR NO. 27780 (WHITE).

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

A 2" DEEP BY 1/2" WIDE STRIP SHALL BE SAWCUT OUT OF THE ASPHALT OVERLAY AT THE LOCATIONS INDICATED IN THE PLANS. JOINT SEALER AS PER 705.04 SHALL BE USED TO FILL AND SEAL THE JOINT CREATED.

FOR ADDITIONAL GENERAL NOTES, SEE SHEET 5/18.

11687 Lebanon Cincinnati, Ohio (513) 842-8200 Stantec

MIA-55-1 AT MIAMI

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11687 Lebanon F Cindinati, Ohlo ((513) 842-8200

Stantec

QUANTITIES

PARTIC	IPATION					ESTIMATED QUANTITIES			
01/S<2/BR	02/S<2/PV	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION ABUT.	SUPER.	GEN.	SHEET #
LUMP		202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		LUMP	4/18
6598		509	10000	6598		EPOXY COATED REINFORCING STEEL 619	5979		
1000		509	20001	1000	POUND	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN 200	800		4/18
61		511	34411	61		CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN 12	49		14/18
1502		512	10100	1502	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) 242	1260		
3400		513	10201	3400		STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	3400		4/18
54,588		514	00050	54,588		SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	54,588		
54,588		514	00056	54,588		FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	54,588		
54,588		514	00060	54,588		FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	54,588		
54,588		514	00066	54,588	SQ FT	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	54,588		
82		514	00504	82		GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	82		
33		514	10000	33		FINAL INSPECTION REPAIR	33		
LUMP		514	27800	LUMP		FIELD PAINTING, MISC.: WAYFARER SIGNS	LUMP		4/18, 17/18
132		516	11210	132		STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	132		
491		516	14600	491	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: LONGITUDINAL JOINT ELASTOMERIC STRIP SEAL	491		12-14/18
		=							1 110
107		516	31011	107		2" DEEP JOINT SEALER, AS PER PLAN 107			4/18
10		516	44301	10		ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13" X 13" X 4.048")	10		11/18
10		516	46200	10	EACH	BEARING DEVICE, ROCKER	10		
LUMP		516	47001	LUMP	5100	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	LUMP		5/18
4		518	12500	4	EACH	SCUPPER, MISC.: PLUG SCUPPER	4		16/18
		F40	40000		5100	COURSES LENGTHERING			
68		518	12900	68		SCUPPER, LENGTHENING	68		F (10
407		519	11101	407		PATCHING CONCRETE STRUCTURE, AS PER PLAN 17	390		5/18
3		630 848	86311	3	EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL, AS PER PLAN	3		5/18
2787		848	10100	2787 2787		LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2½" THICK)	2787 2787		F (10 17 (10
2787		848	20001	2181	SQ YD	SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN	2181		5/18, 13/18
102		848	30100	102	CU YD	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	102		-
211		848	50000	211		HAND CHIPPING	211		
LUMP		848	50100	LUMP		TEST SLAB	LUMP		-
2 LUMP		848	50200	LUMP		FULL-DEPTH REPAIR	LUMP 2		-
2620		848	50200	2620		EXISTING CONCRETE OVERLAY REMOVED (2")	2620		
2020		040	30320	2020	30 10	EASTING CONDICTE OVERLAT INMOVED (2.7	2020		+
211		848	50340	211	SQ YD	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	211		+
۷11		010	30340	۷11	34 10	NEWSTRE OF DESCRIPTION OF DETERMINED ENTSTEIN TRIVIABLE INTOINESS CONDICTE OFFICER	211		+
							1		1

GENERAL NOTES, CONTINUED

ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPER-STRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.

SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05.

IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH CMS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN

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.

ITEM 630, REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL, AS PER PLAN

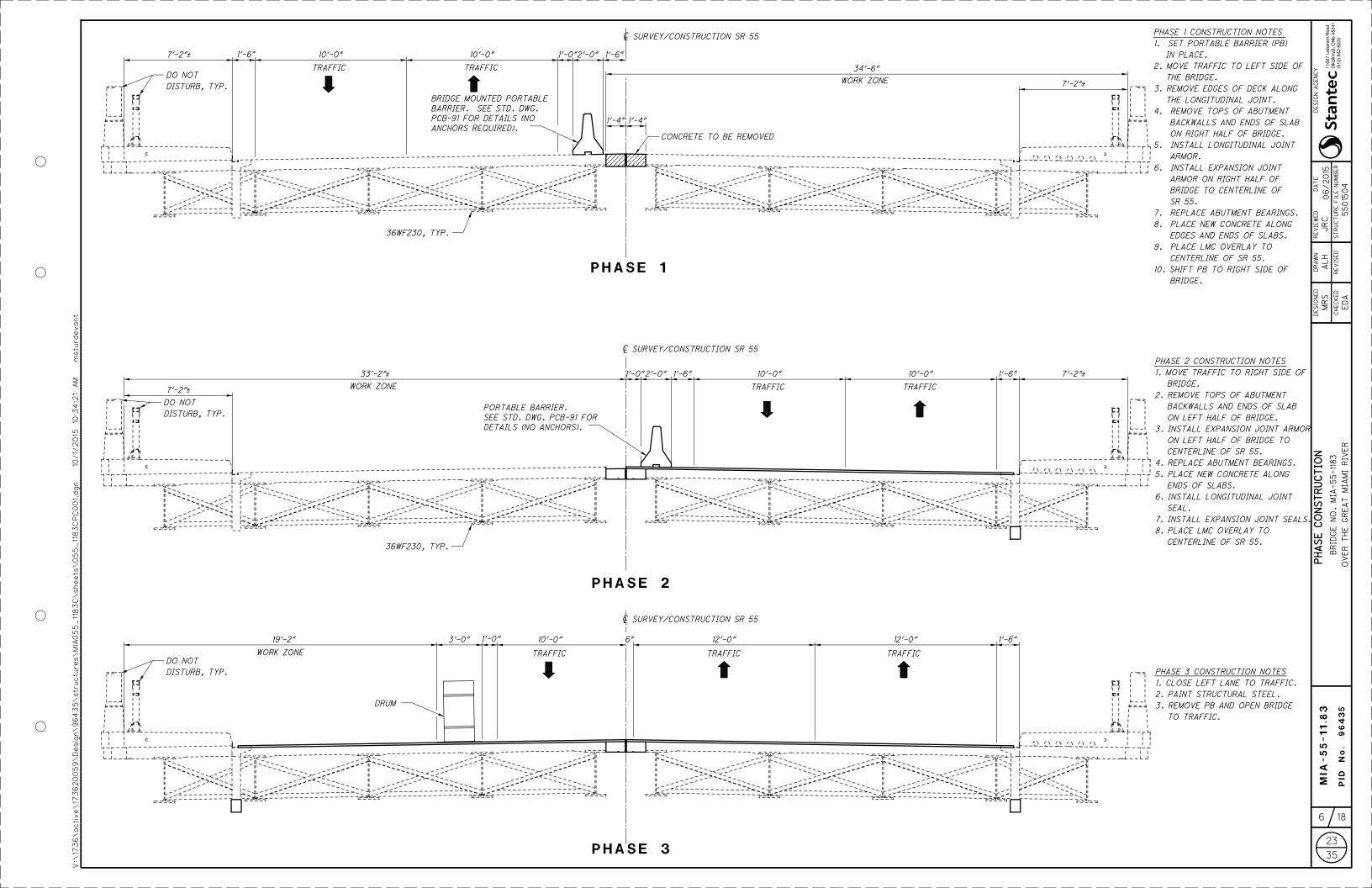
REMOVE EXISTING SIGNS AND CLAMPS LOCATED ON THE BOTTOM FLANGE OF RIGHT FASCIA STEEL MEMBER ABOVE MULTI-PURPOSE PATHS.

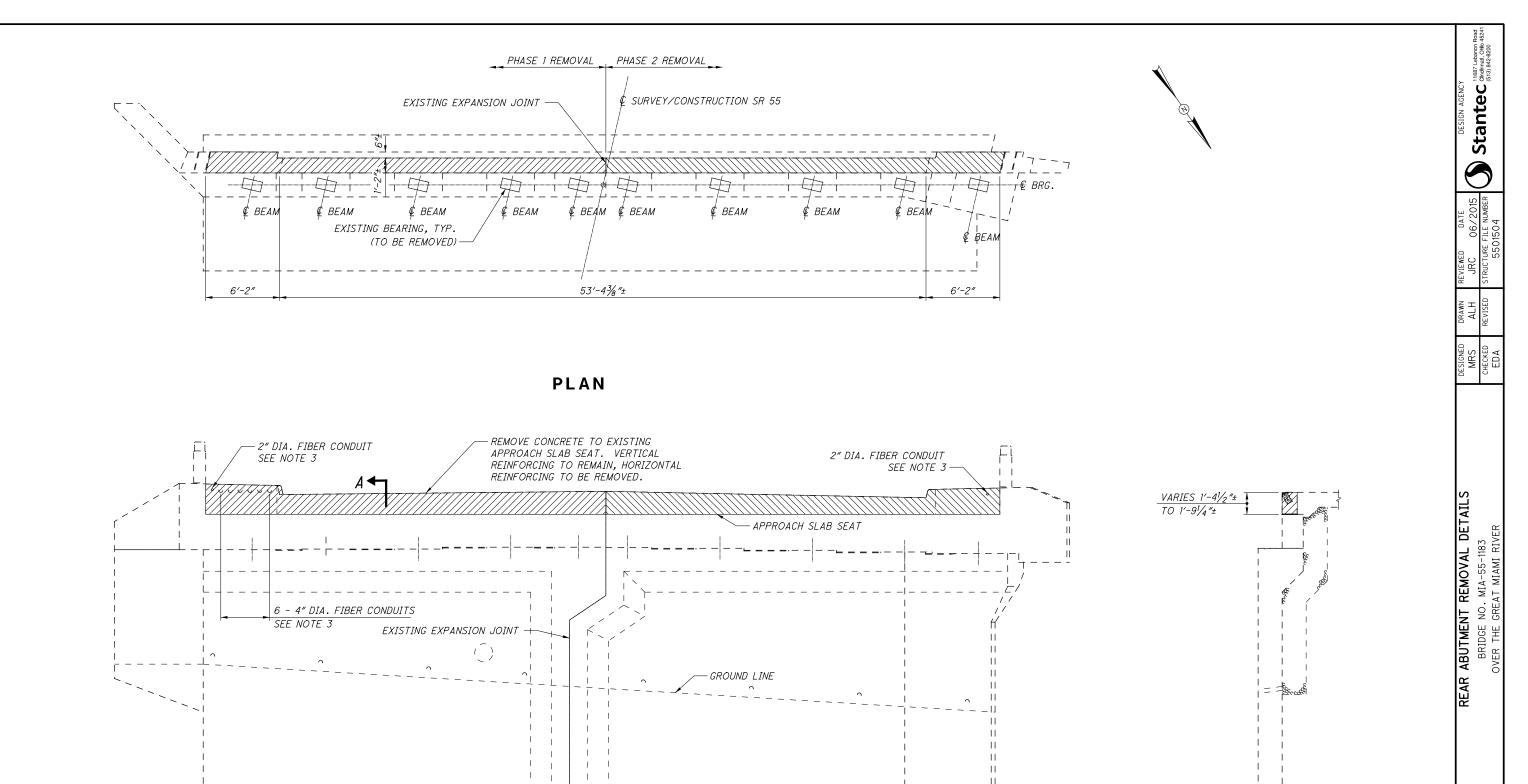
ITEM 848, SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN

HYDRODEMOLITION SHALL BE USED TO REMOVE \(\frac{1}{2}\)" OF CONCRETE FROM THE EXISTING CONCRETE SLAB, PER DETAIL 1 ON SHEET \(\frac{13}{18} \).

HYDRODEMOLITION SHALL BE USED ON ALL NEW CONCRETE PLACED AROUND THE LONGITUDINAL JOINT AND THE EXPANSION JOINTS TO REMOVE CONCRETE TO THE SAME DEPTH AS THE EXISTING DECK.







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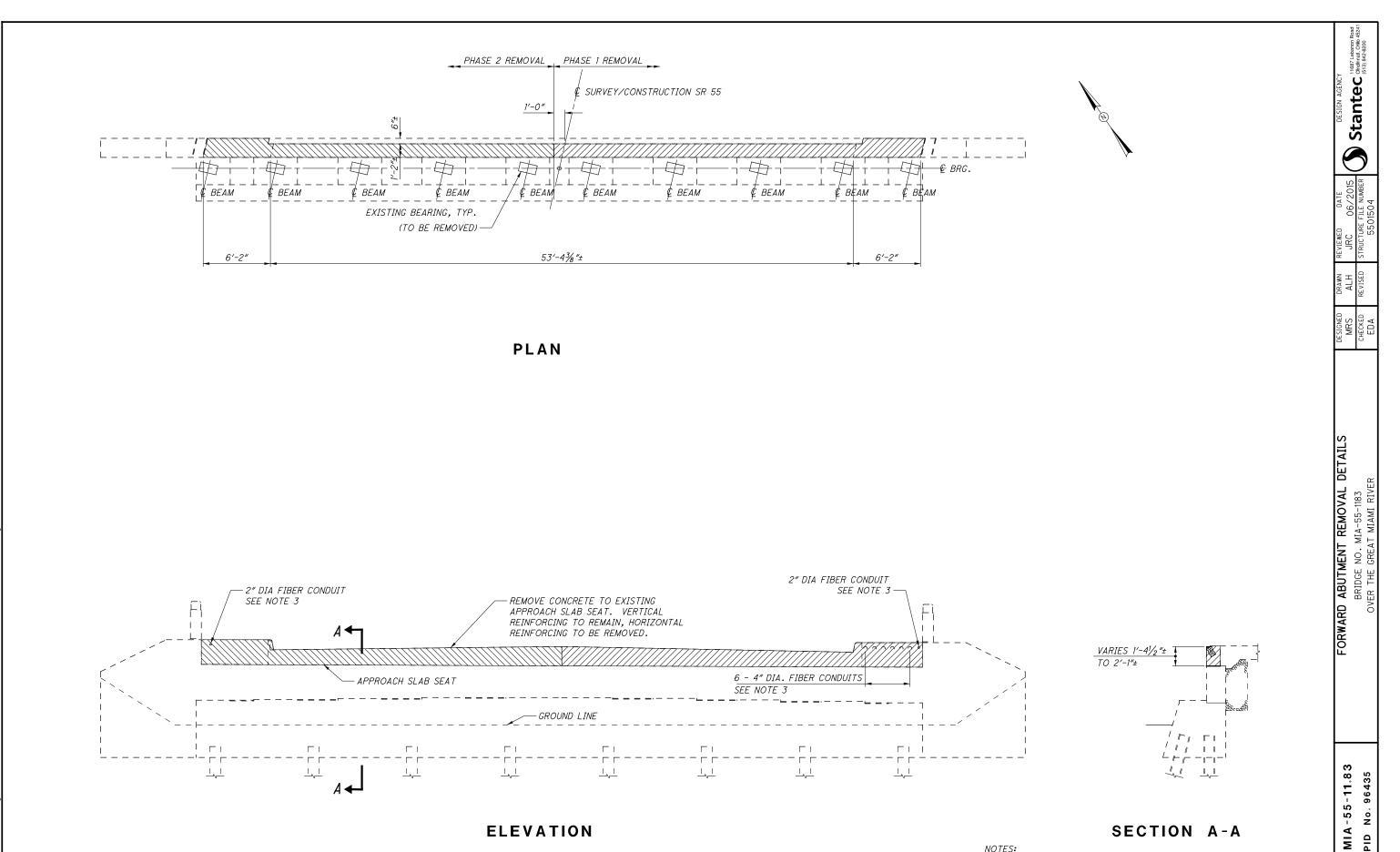
SECTION A-A

NOTES:

- DENOTES PORTION OF PHASE 1 CONCRETE TO BE REMOVED.
- DENOTES PORTION OF PHASE 2 CONCRETE TO BE REMOVED.
- 3. CARE SHALL BE TAKEN TO AVOID DAMAGING CONDUITS DURING REMOVAL OF CONCRETE. ANY CONDUITS DAMAGED SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.

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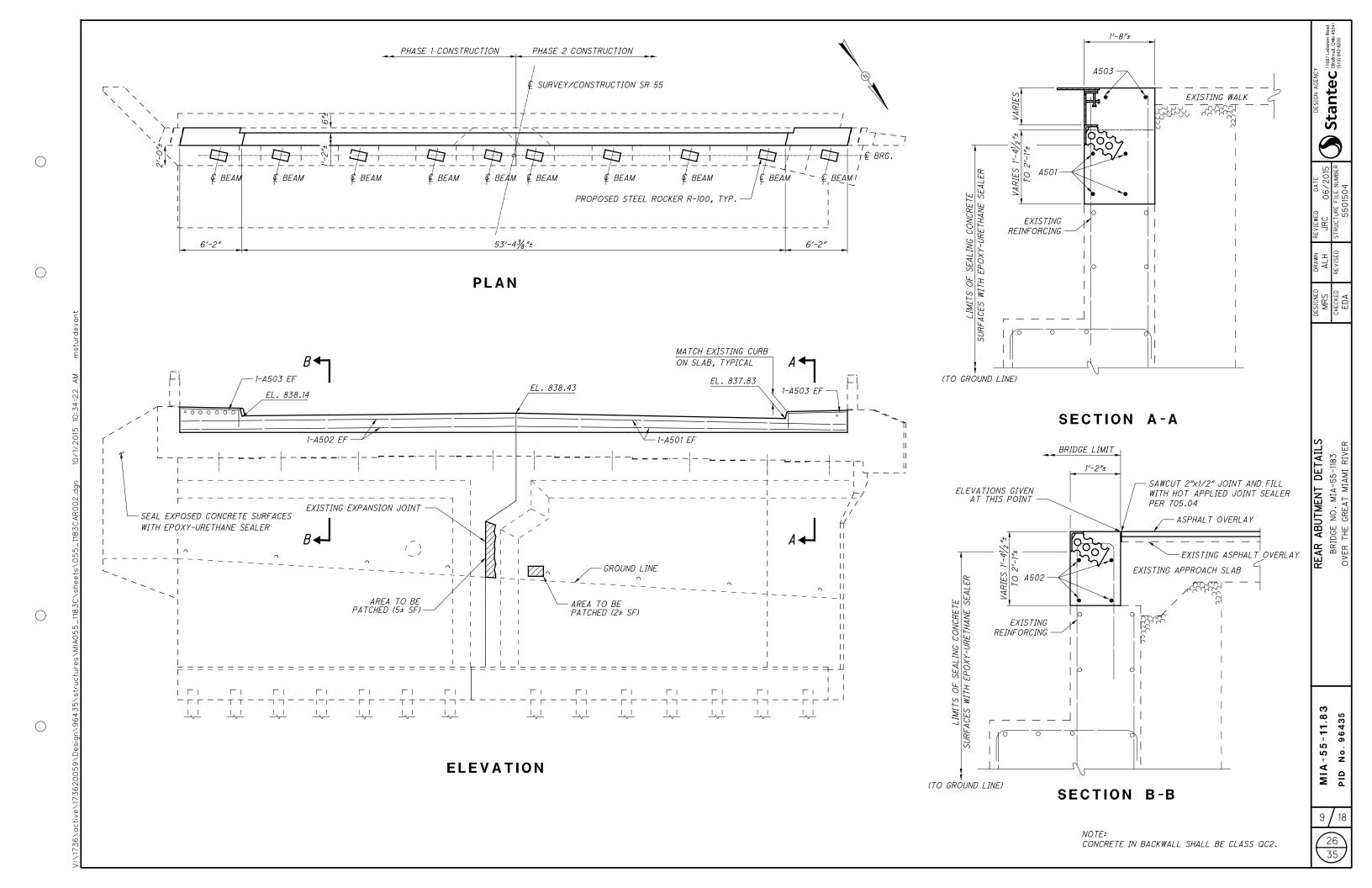
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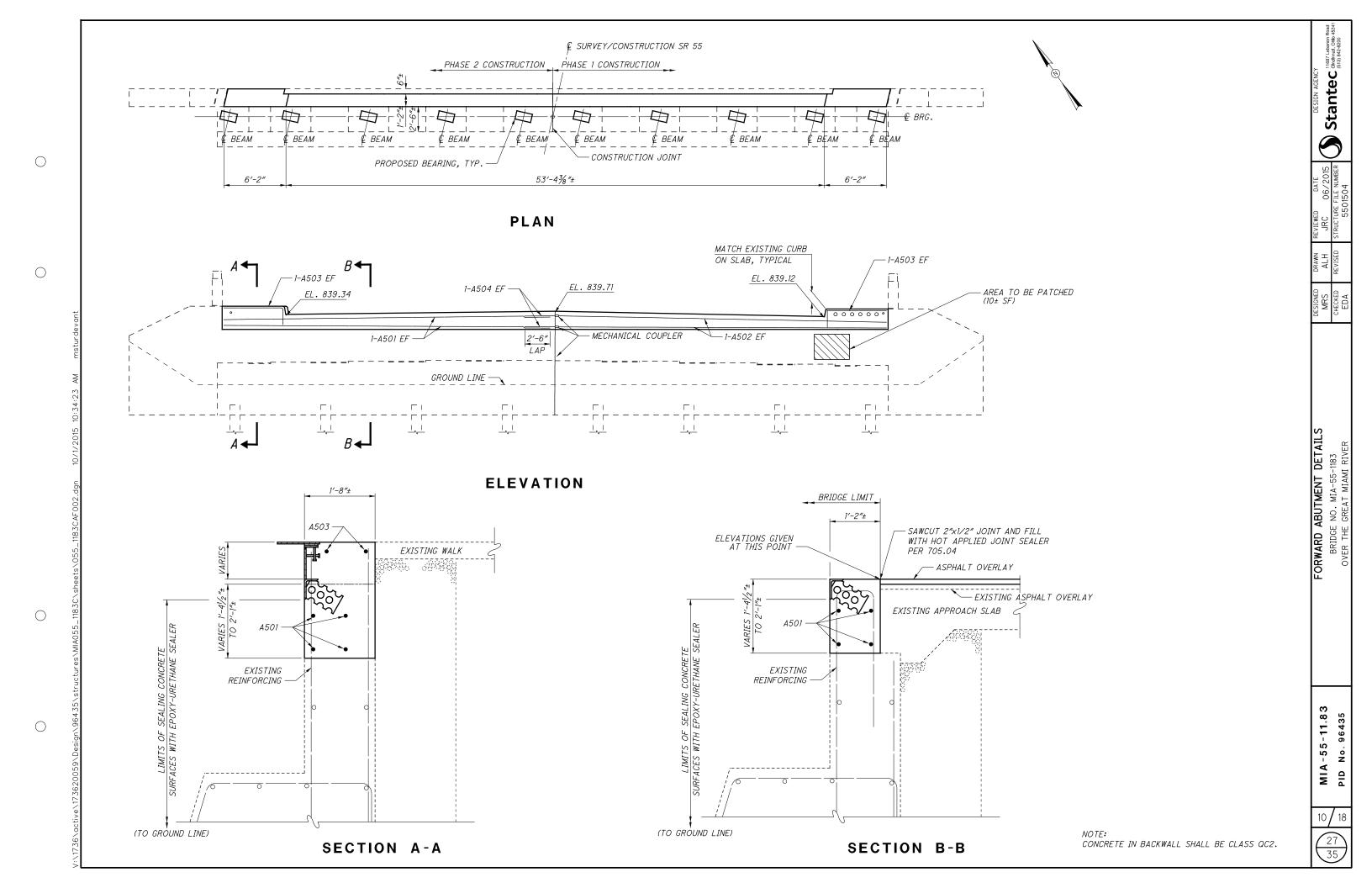
SECTION A-A

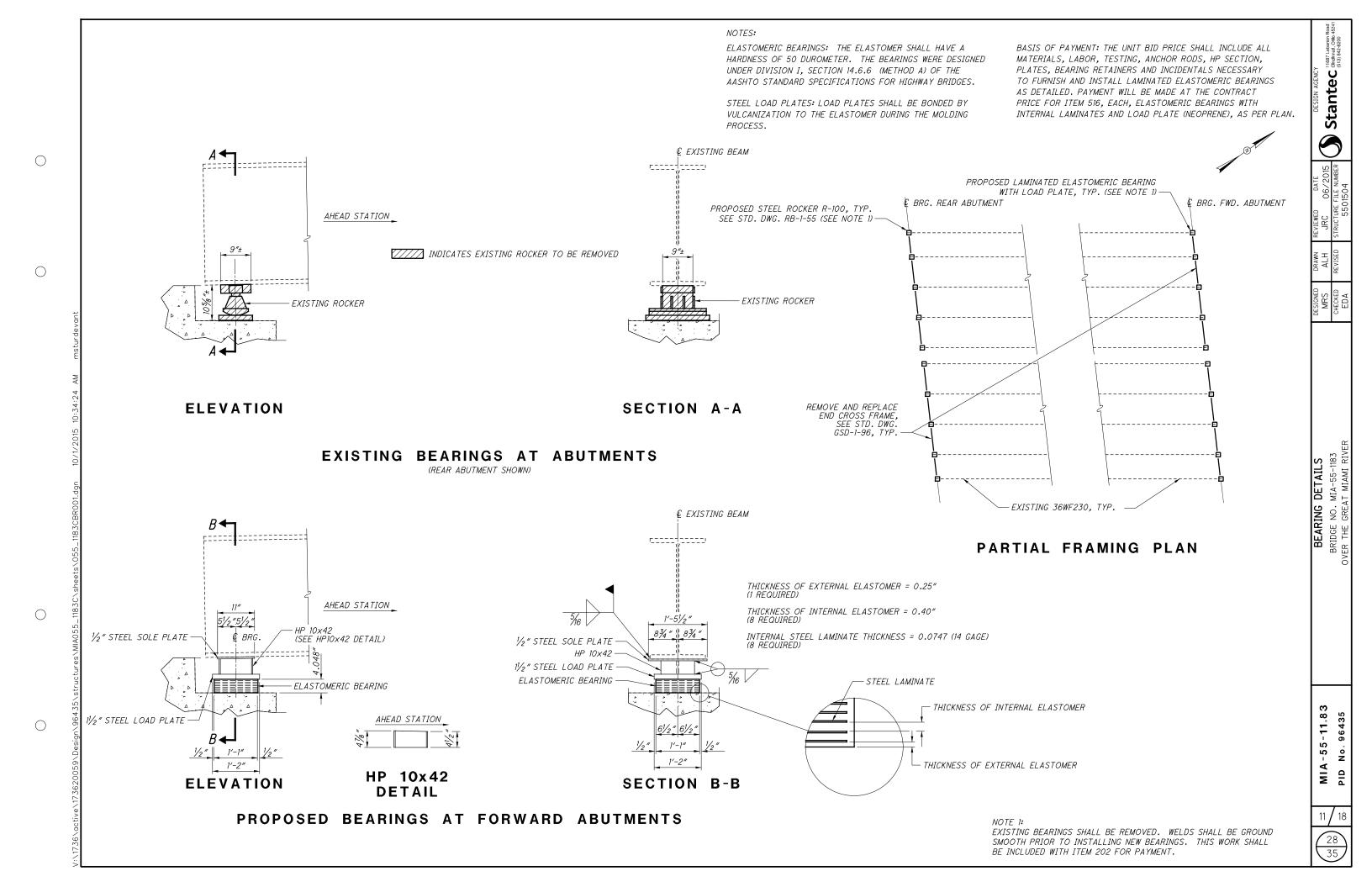
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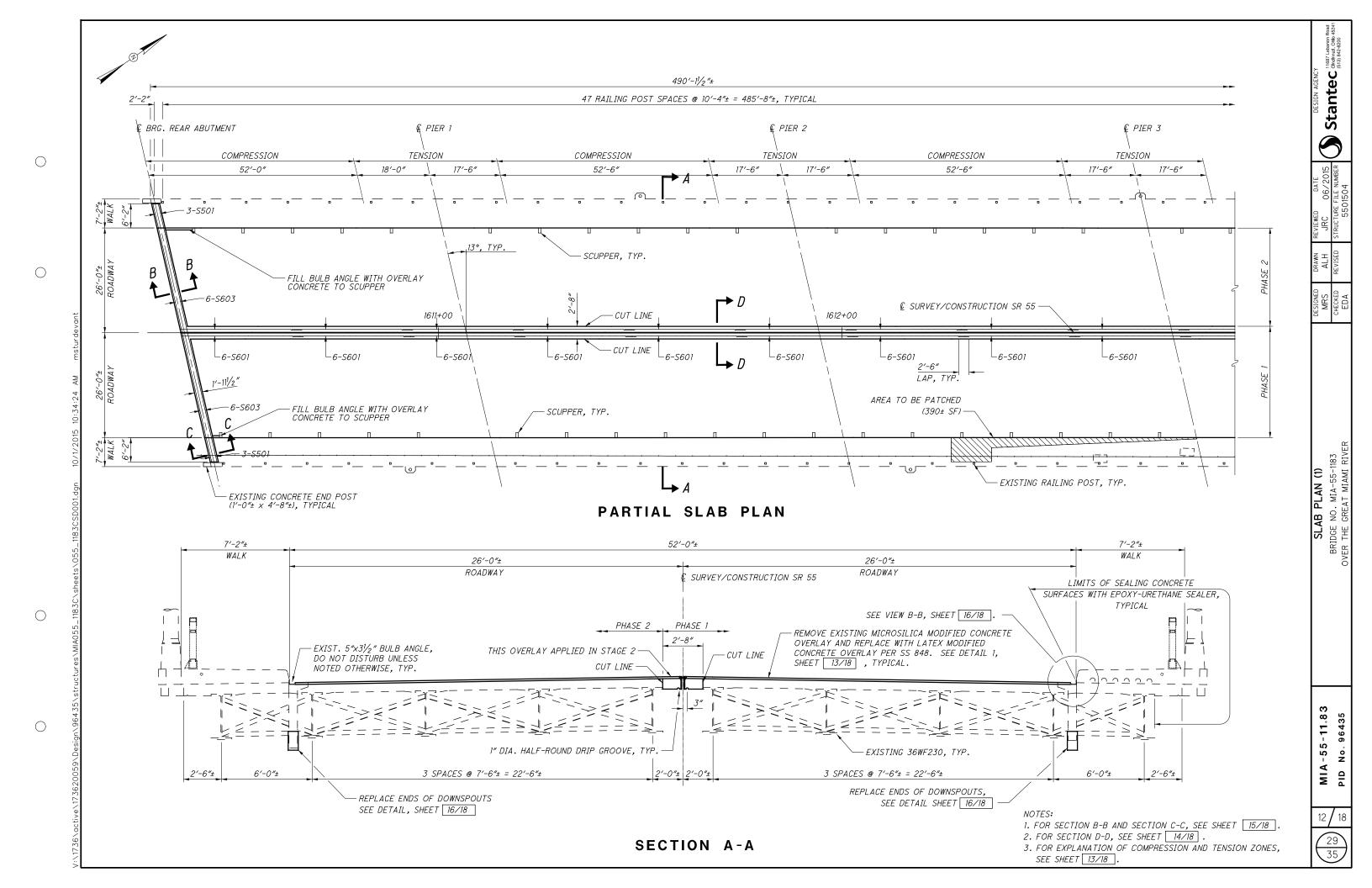
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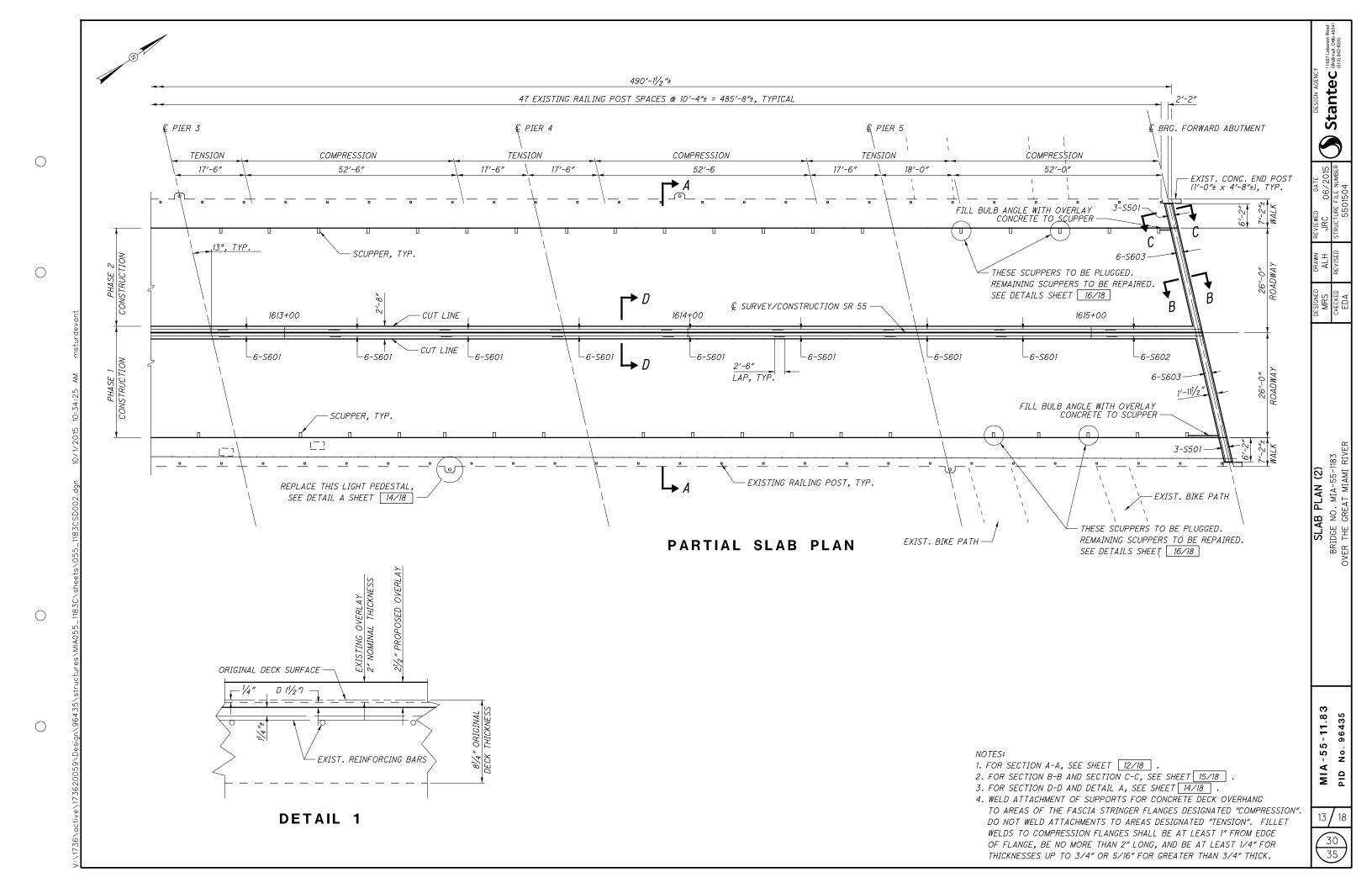
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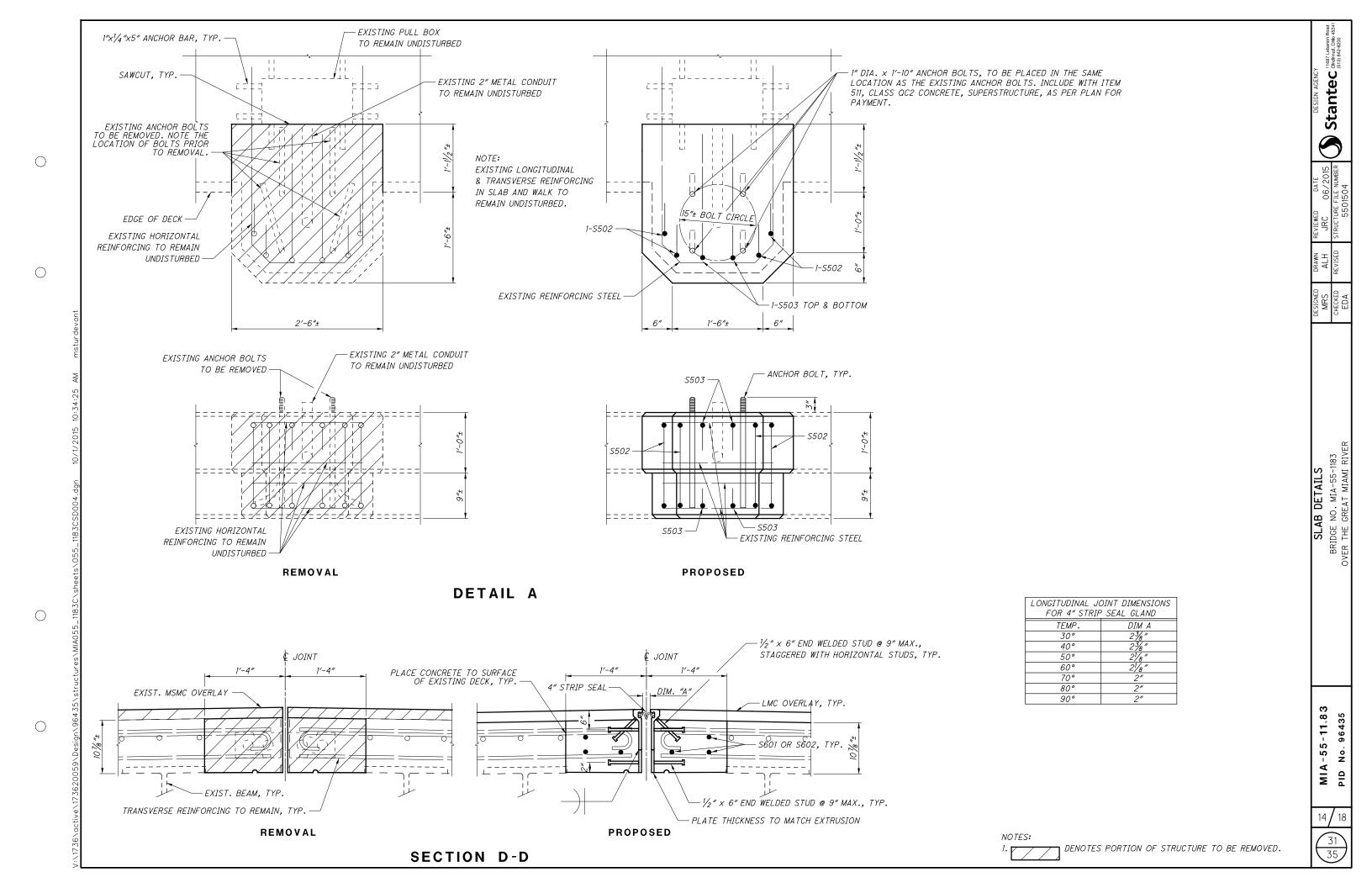


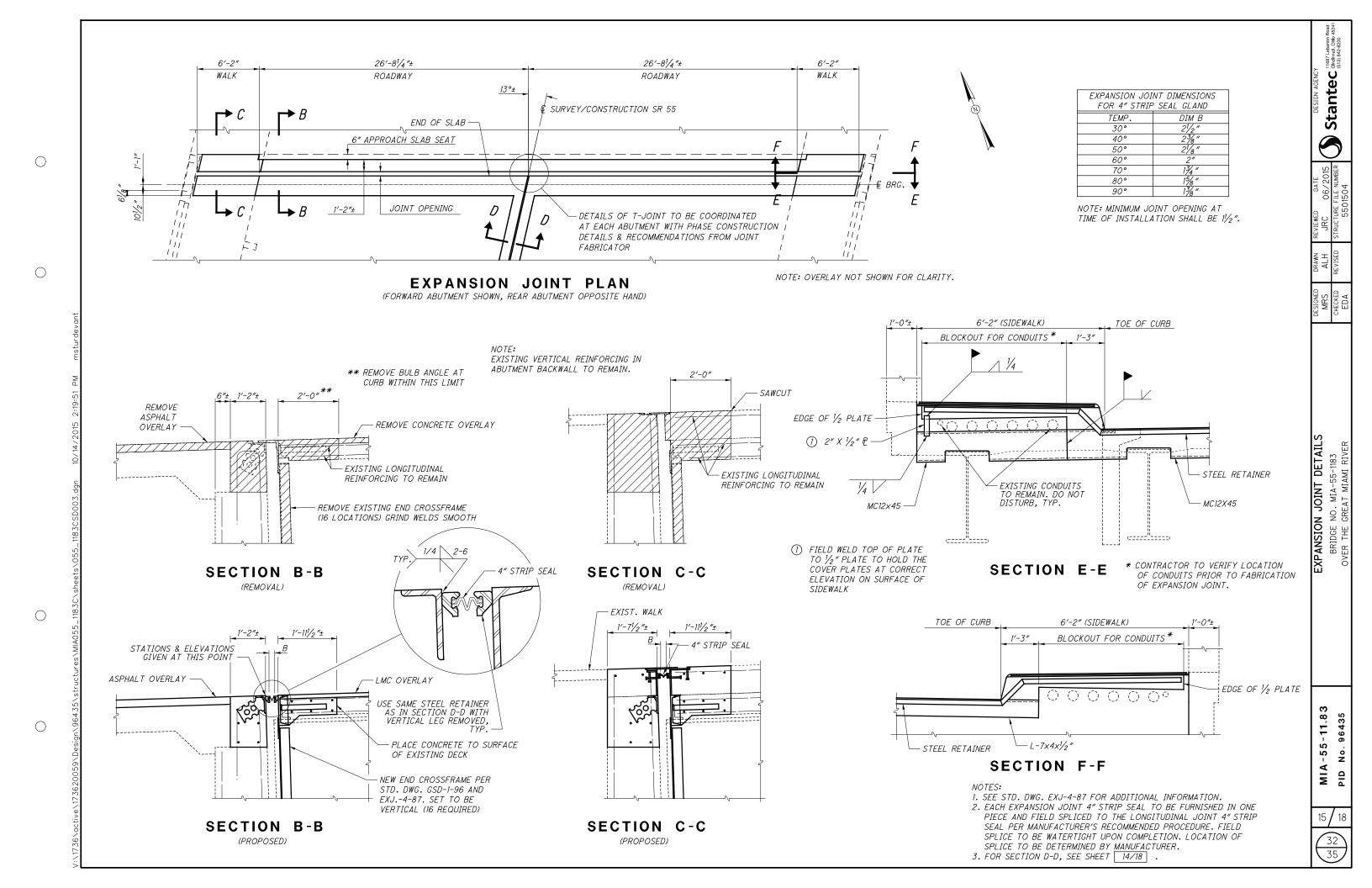


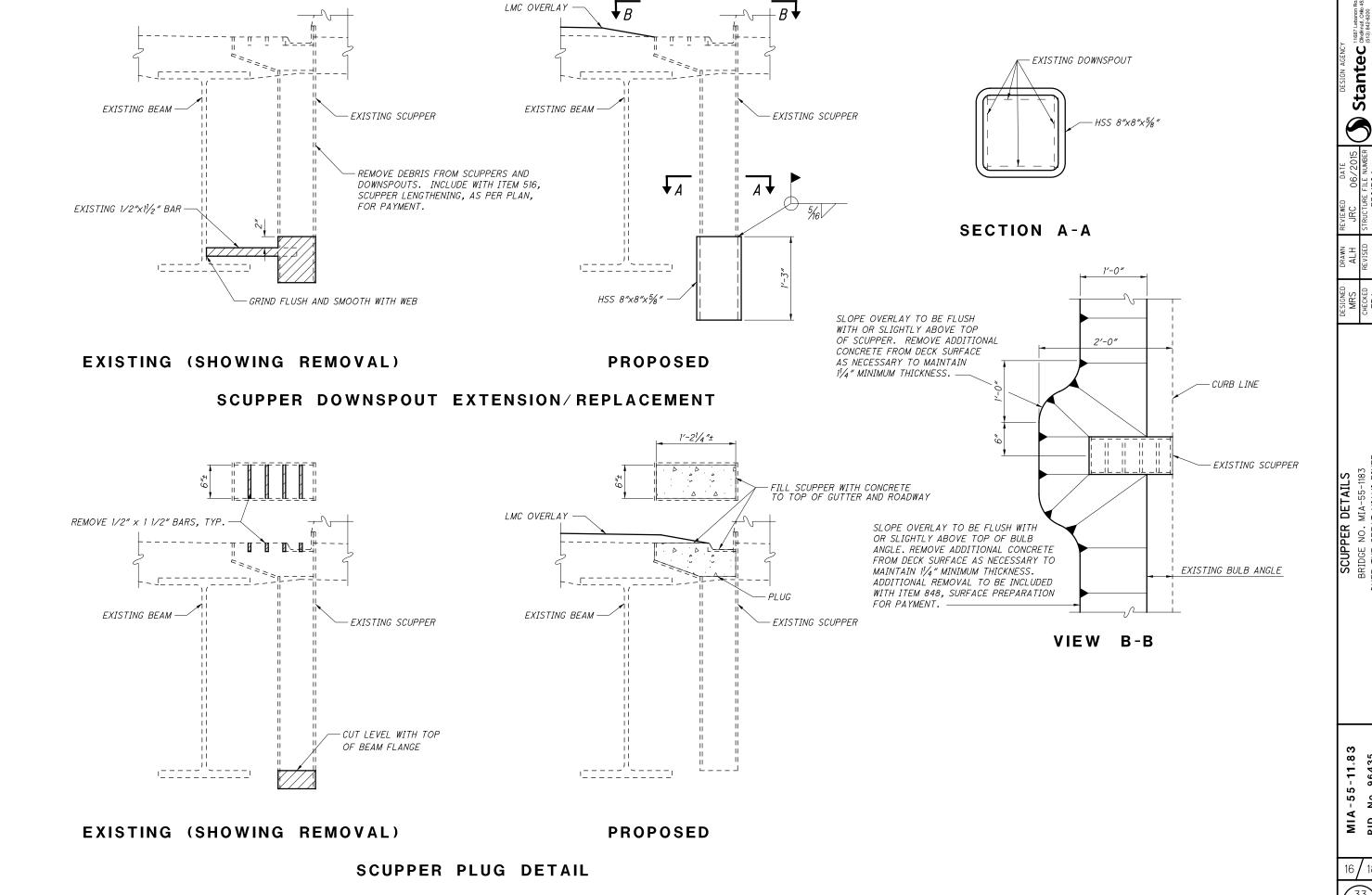










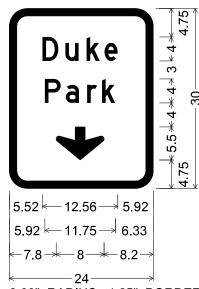


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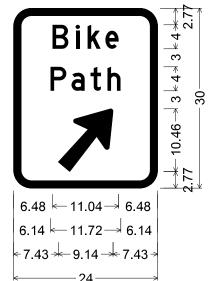
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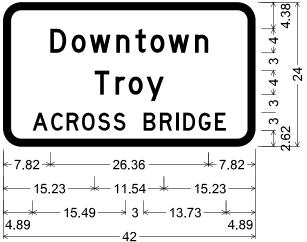
3.00" RADIUS, 1.25" BORDER, BLACK ON WHITE; [Duke] FHWA FONT D; [Park] FHWA FONT D; DOWN ARROW CUSTOM - 5.50" 270°; TABLE OF LETTER AND OBJECT LEFTS.

D	u	k	e
5.52	9.35	12.88	15.85
P	a	r	k
5.92	9.43	12.96	15.44
√ 7.80			



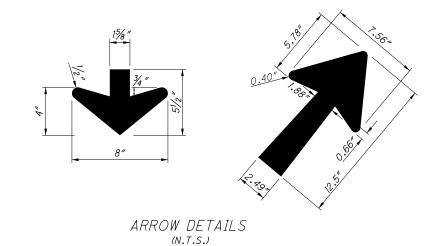
3.00" RADIUS, 1.25" BORDER, BLACK ON WHITE; [Bike] FHWA FONT D; [Path] FHWA FONT D; ARROW CUSTOM - 12.50" 50°; TABLE OF LETTER AND OBJECT LEFTS.

В	i	k	e	
6.48	10.39	12.32	2 15.29	
Р	a	t	h	
6.14	9.64	12.82	15.63	
FI				
7.43				



3.00" RADIUS, 1.25" BORDER, BLACK ON WHITE; [Downtown] FHWA FONT D; [Troy] FHWA FONT D; [ACROSS] FHWA FONT D; [BRIDGE] FHWA FONT D; TABLE OF LETTER AND OBJECT LEFTS.

D 7.82	o 11.39	w 14.39	n 18.83	t 22.01	o 24.51	w 27.52	n 31.95
T 15.23	r 18.6	o 9 20.8	y 23.8	7			
A 4.89	C 7.96	R 10.53	0 13.11	S 15.78	\$ 18.36		
	B 23.38	R 26 10	1 28.82	D 29 9	G 9 32 57	E 35 29	9



SIGNS TO BE PAINTED ON BEAM WEB AFTER FINISH COAT OF OZEU PAINT SYSTEM IS COMPLETE.

MIA-55-11.83

Stantec Chdnosti, Oho 4 (513) 842-8200

MARK	NUMBER	I FNGTH	WEIGHT	TYPE		DIMENSIONS						MARK	MARK TOTAL LENGTH WEIGHT LENGTH WEIGHT												
•	TOTAL	LLNOTTI		<u></u>	А	В	С	D	Ε	R	INC	, main	TOTAL	22/10///			Α	В	С	D	Ε	R	INC		В
			ABU	UTME	NTS										SUPER	STRUC	CTURE							<u> </u>	
A501	8	32′-6″	271	STR.								S601	102	30'-0"	4596	STR.								A	
A502	8	32′-9″		STR.								S602	6	22'-4"	101	STR.								TVD	<i>⊏</i> 1
A503	8	7′-5″	62	1	1′-8″	5′-10″						<i>S603</i>	24	32'-4"	1166	STR.								TYP	<u>F - /</u>
A504	4	3'-0"		STR.										7. 5.											
		TOTAL	619									S501	12	7'-5" 2'-10"	93	+ +	1′-8″ 10″	5′-10″ 1′-5″	10"					 	1
												S502 S503	4	2'-9"	12 11	2	10"	2'-0"	10					4	S
												3303	,	TOTAL	5979	1 '	10	2 0							
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PID No. 96435