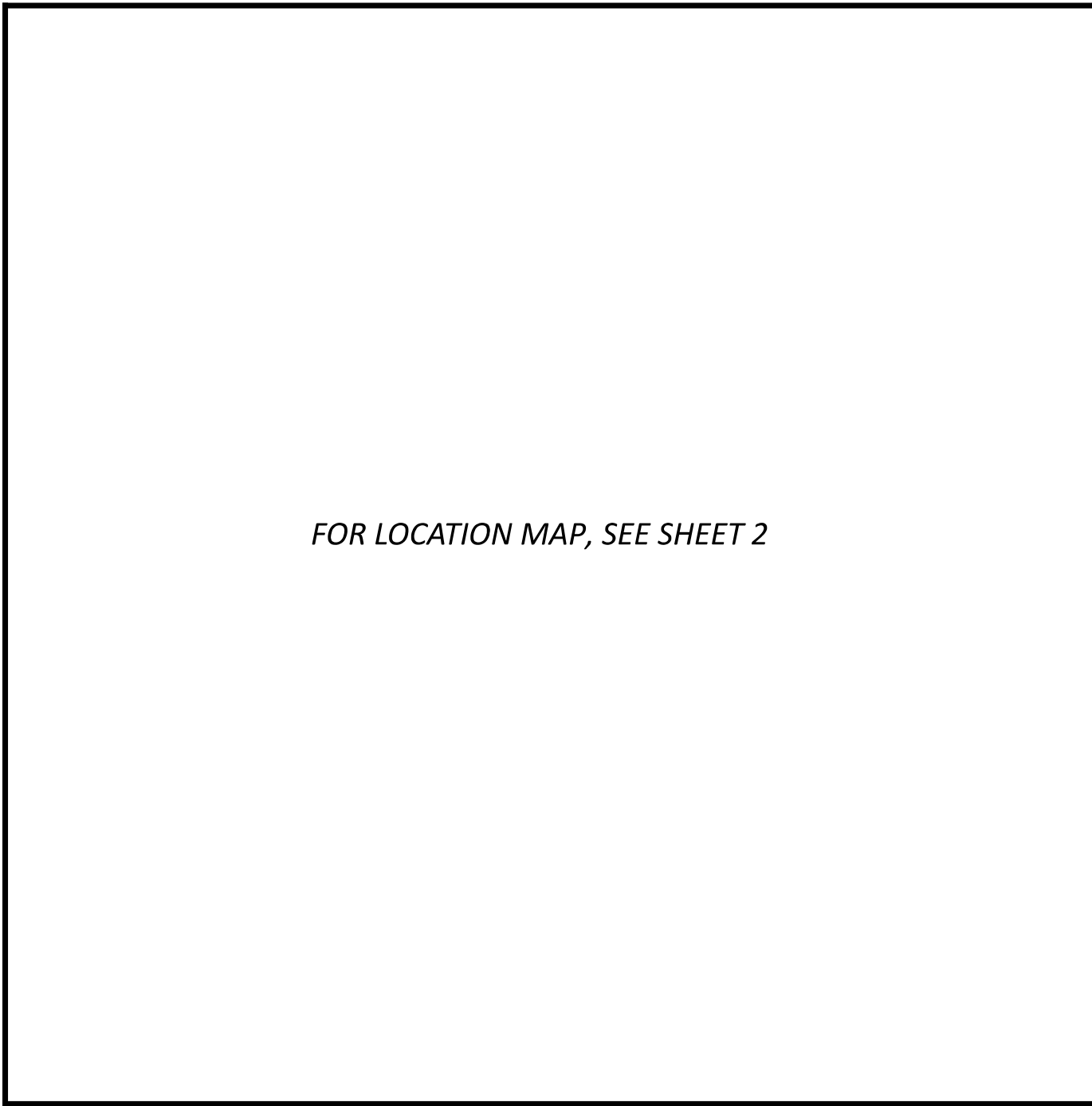


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## D01-OL-FY25 ALLEN AND DEFIANCE COUNTIES



**LOCATION MAP**

**FEDERAL PROJECT NUMBER**

E240(638)

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

OVERLAY BRIDGE DECKS ON VARIOUS STRUCTURES THROUGHOUT DISTRICT ONE.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: 0.0 ACRES  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.0 ACRES  
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)

**LIMITED ACCESS**

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 4-8, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

*Christopher A. Hughes*

Christopher A. Hughes, P.E.  
District 01 Deputy Director

*Pamela Boratyn*

Pamela Boratyn  
Director, Department of Transportation

**INDEX OF SHEETS:**

TITLE SHEET	1
LOCATION MAP	2
GENERAL NOTES	3
MAINTENANCE OF TRAFFIC	4-8
GENERAL SUMMARY	9-10
STRUCTURES OVER 20' SPAN	11-19

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVERS**

NONE REQUIRED

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

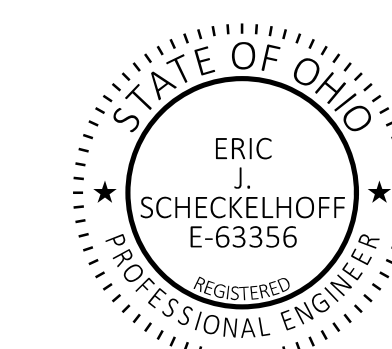
**OHIO811.org**  
Before You Dig

**OHIO811, 8-1-1, or 1-800-362-2764**  
(Non members must be called directly)

PLAN PREPARED BY:  
OHIO DEPT. OF TRANSPORTATION, DISTRICT 1  
1885 N. MCCULLOUGH ST.  
LIMA, OH 45801

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-4.3	1/15/16	TC-41.20	10/18/13	800	7/19/24
DM-4.4	1/15/16	TC-42.10	10/18/13	808	7/19/24
		TC-42.20	10/18/13	832	7/19/24
BP-3.1	1/19/24	TC-52.10	10/18/13	843	1/19/24
		TC-52.20	1/15/21	848	7/19/24
MT-095.40	7/21/23			908	10/20/17
MT-096.11	7/21/23	AS-1-15	1/20/23	921	7/19/24
MT-096.20	7/21/23	DBR-3-11	7/15/11		
MT-097.10	4/19/19	TBR-1-11	1/18/13		
MT-101.60	4/21/23				
MT-101.70	7/19/24				
MT-101.75	7/21/23				
MT-101.90	7/17/20				
MT-104.10	1/19/24				
MT-105.10	1/17/20				

ENGINEER'S SEAL



TITLE SHEET

DESIGN AGENCY



DESIGNER  
KRH

REVIEWER

XXX MM-DD-YY

PROJECT ID

119043

SHEET TOTAL

1 | 19

D01-OL-FY25

MODEL: Sheet PAPER: 34x22 (in.) DATE: 11/14/2024 TIME: 2:44:21 PM USER: khoward1 pwc:\ohio\ol-pw-bentley.com\ohio\ol-pw-02\Documents\01 Active Projects\District 01\_D01\119043\00-Engineering\Roadway\Sheets\119043\_GT001.dgn

**UTILITIES**

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

THE CONTRACTOR SHOULD BE AWARE OF THE EXISTING BRIDGE LIGHTING FACILITIES. THERE ARE EXISTING LIGHTING CONDUITS, CABLE, AND PULL-BOXES IN THE WORK AREA. THE ORIGINAL CONSTRUCTION PLANS ARE AVAILABLE FOR REFERENCING THE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL USE CAUTION WHEN WORKING NEAR THESE FACILITIES.

**EXISTING PLANS**

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT 1 OFFICE IN LIMA.

**WORK LIMITS**

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

**TEMPORARY SEDIMENT AND EROSION CONTROL**

THE FOLLOWING ITEMS HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO PERFORM THIS ITEM OF WORK:

ITEM 832, EROSION CONTROL = 1000 EACH

**REVIEW OF DRAINAGE FACILITIES**

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**PERSONAL PROTECTION EQUIPMENT (PPE)**

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY & HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

AMENDMENTS TO THE REQUIREMENTS OF THIS DOCUMENT ARE: XXIV.

**HEAD PROTECTION (HARD HATS):**

ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS. XXXIV.

**SAFETY APPAREL AND VEST (HIGH VISIBILITY):**

ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES." WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III AP-PROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)**

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING AREAS EXHIBITING SURFACE DETERIORATION ADJACENT TO THE APPROACH SLABS BEING OVERLAID AND PLACING ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22. IN ADDITION, THIS ITEM SHALL BE USED TO PROVIDE A SMOOTH TRANSITION INTO THE OVERLAID APPROACH SLABS AS DIRECTED BY THE ENGINEER. FOR PLACEMENT OF ITEM 441, A PG64-22 BINDER IS REQUIRED, AND IT SHALL BE PLACED IN TWO ONE AND HALF INCH LIFT THICKNESS. THE ENGINEER SHALL DETERMINE WHICH ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF THE ABUTTING APPROACH SLAB OVERLAY WORK.

PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF SURFACE PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 2510 SY

**ITEM 253 - PAVEMENT REPAIR**

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH ADJACENT TO THE APPROACH SLABS BEING OVERLAID AND PLACING 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. THE FULL DEPTH PAVEMENT REPAIRS SHALL HAVE A SURFACE COURSE APPLIED PER THE NOTE AND REQUIREMENTS FOR ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441). PAYMENT FOR THE SURFACE COURSE SHALL BE INCLUDED WITH ITEM 251. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF THE ABUTTING APPROACH SLAB OVERLAY WORK.

PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF CUBIC YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 253, PAVEMENT REPAIR, 45 CY

**PAVEMENT MARKINGS**

PAVEMENT MARKINGS MUST BE IN PLACE PRIOR TO OPENING THE ROAD TO TRAFFIC. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF THE NEED TO PLACE THE PAVEMENT MARKINGS. THE PROJECT ENGINEER SHALL CONTACT THE DISTRICT ROADWAY SERVICES ENGINEER (419-999-6857, DERRICK.SCHIERLOH@DOT.OHIO.GOV) TO SCHEDULE PAVEMENT MARKING PLACEMENT PRIOR TO THE OPENING TO TRAFFIC.

**CONTACT INFORMATION**

THE CONTRACTOR SHALL NOT BEGIN WORK ON THE FIELD PAVING IN A COUNTY UNTIL CONTACTING THE COUNTY MANAGER AND PROJECT ENGINEER. BELOW IS A CONTACT LIST FOR COUNTY MANAGERS:

ALLEN COUNTY			
CONTACT	TITLE	OFFICE NUMBER	CELL NUMBER
BRIAN RADER	DEPARTMENT MANAGER	(419) 999-6717	-
JASON DICKMAN	TRANSPORT MGR1	(419) 999-6715	-
ANDREW WITA	TRANSPORT MGR2	(419) 999-6712	-
DEFIANCE COUNTY			
CONTACT	TITLE	OFFICE NUMBER	CELL NUMBER
JASON HOSCHAK	DEPARTMENT MANAGER	(419) 999-6711	-
JEFFERY HOLTSBERRY	TRANSPORT MGR2	(419) 999-6728	-

DESIGN AGENCY



DESIGNER

KRH

REVIEWER

XXX MM-DD-YY

PROJECT ID

119043

SHEET

3

TOTAL

18

**LANE VALUE CONTRACT TABLE**

DESCRIPTION OF CRITICAL LANE TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
2-LANES OF ALL-US 30 IN EACH DIRECTION FROM MM 9 TO MM 10	SEE HOLIDAY SCHEDULE & TIMES FOR ALL LANES OPEN TO TRAFFIC IN PLAN NOTE FOR ITEM 614, MAINTAINING TRAFFIC, SHEET 2	EACH HOUR	\$6,000

**WINDOW CONTRACT TABLE**

USE THE FOLLOWING TABLE AS REFERRED TO IN THE PLANS AND PROPOSAL:

WINDOW CONTRACT TABLE				
DESCRIPTION OF CRITICAL WORK	CALENDER DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW START	WORK WINDOW END
TREATMENT OF BRIDGE DECK AND REPAIR WORK AT ALL-30-1.130	10	\$700	6/1/2025	7/15/2025
COMPLETE OVERLAY AND REPAIR WORK AT ALL-30-7.897 - #	45	PER C&MS 108.07	6/1/2025	8/15/2025
COMPLETE OVERLAY AND REPAIR WORK AT ALL-30-8.807 - #	45	PER C&MS 108.07	6/1/2025	8/15/2025
COMPLETE OVERLAY AND REPAIR WORK AT ALL-30-9.268L	45	\$5,000	4/1/2025	10/31/2025
COMPLETE OVERLAY AND REPAIR WORK AT ALL-30-9.306R	45	\$5,000	4/1/2025	10/31/2025
COMPLETE OVERLAY AND REPAIR WORK AT DEF-249-0.094	45	\$5,500	6/1/2025	8/15/2025
ALL WORK ON PROJECT (INCLUDING WORK LISTED ABOVE)	180	PER C&MS 108.07	4/1/2025	10/31/2025

# - CLOSURE AT THESE 2 LOCATIONS CAN NOT OCCUR CONCURRENTLY

**ITEM 622 PORTABLE BARRIER, UNANCHORED**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT COLLISION REPAIR LOCATIONS NOTED IN THE PLANS AND AS DIRECTED BY THE ENGINEER AND THE STANDARD CONSTRUCTION DRAWINGS.

ITEM 622, PORTABLE BARRIER, UNANCHORED = 2,400 FT

**WORK ZONE MARKINGS AND SIGNS**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614, WORK ZONE EDGE LINE, CLASS I, 6", 873, TYPE I = 5.14 MILE

ITEM 614, WORK ZONE DOTTED LINE, CLASS I, 6", 873, TYPE I = 5,040 FT

**REMOVAL OF PAVEMENT MARKINGS**

AS PER C&MS SECTION 614.11.G., THE CONTRACTOR SHALL REMOVE AND COVER CONFLICTING PAVEMENT MARKINGS WITHIN THE WORK ZONES. THE CONTRACTOR SHALL COVER CONFLICTING MARKINGS PER C&MS 614.11.G.1.b. USING REMOVABLE BLACKOUT TAPE TO THE SATISFACTION OF THE PROJECT ENGINEER. PAYMENT TO REMOVE/COVER CONFLICTING MARKINGS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

**DELINEATION OF PORTABLE AND PERMANENT BARRIER**

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (ONE-WAY) = 28 EACH

ITEM 614, OBJECT MARKER, ONE-WAY = 28 EACH

ITEM 614, INCREASED BARRIER DELINEATION = 400 FEET

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

**MAINTAINING TRAFFIC NEAR RUMBLE STRIPS**

TRAFFIC IS NOT PERMITTED TO RUN ON OR CROSS OVER ANY RUMBLE STRIPS AT ANY TIME. RUMBLE STRIPS MUST BE FILLED WHEN THEY CONFLICT WITH THE MAINTENANCE OF TRAFFIC LANE CONFIGURATION. THIS INCLUDES LOCATIONS OF LANE SHIFTS ENTERING AND EXITING A WORK ZONE. THE RUMBLE STRIPS SHALL BE FILLED OR ELIMINATED BY PLANING AND PAVING TO PROVIDE A SMOOTH RIDE TO THE SATISFACTION OF THE PROJECT ENGINEER. ONCE TRAFFIC IS RETURNED TO ITS FINAL CONFIGURATION, RUMBLE STRIPS THAT WERE REMOVED SHALL BE RESTORED TO THE PRECONSTRUCTION CONDITION TO THE SATISFACTION OF THE PROJECT ENGINEER.

THE FOLLOWING ARE ESTIMATED LOCATIONS AND LENGTHS OF RUMBLE STRIP REMOVAL AND REPLACEMENT. THE ESTIMATED LENGTHS MAY VARY.

LOCATION: ALL-30-9.306R; EB OUTSIDE SHOULDER = 2,520'  
(AT WORK ZONE TAPERS. TRAFFIC CAN STRADDLE RUMBLE STRIPS IN BETWEEN TAPERS)

LOCATION: ALL-30-9.268L; WB OUTSIDE SHOULDER = 2,520'  
(AT WORK ZONE TAPERS. TRAFFIC CAN STRADDLE RUMBLE STRIPS IN BETWEEN TAPERS)

LOCATION: ALL-30-9.306R; EB INSIDE SHOULDER = 3,370'  
(ENTIRE LENGTH OF WORK ZONE, INCLUDING TAPERS. NO STRADDLING)

LOCATION: ALL-30-9.268L; WB INSIDE SHOULDER = 3,370'  
(ENTIRE LENGTH OF WORK ZONE, INCLUDING TAPERS. NO STRADDLING)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS THAT MAY REQUIRE RUMBLE STRIP REMOVAL AND REPLACEMENT. THE ESTIMATED QUANTITIES ARE BASED ON AN AVERAGE WIDTH OF 3 FEET.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 1 1/2" = 2,630 SY

ITEM 407 - NON-TRACKING TACK COAT = 225 GAL

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (1 1/2") = 110 CY

ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) = 11,820 FT

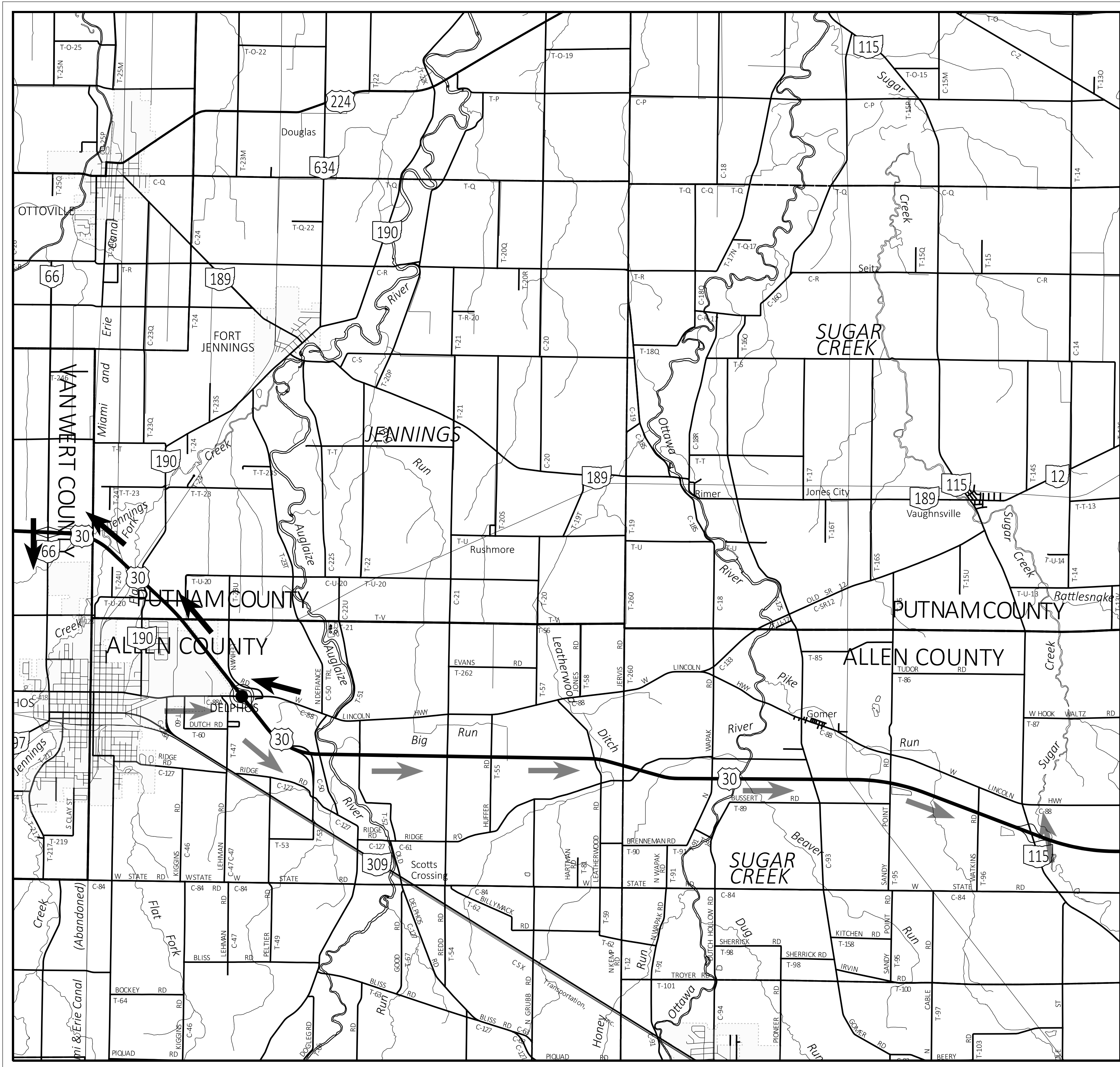
DESIGN AGENCY



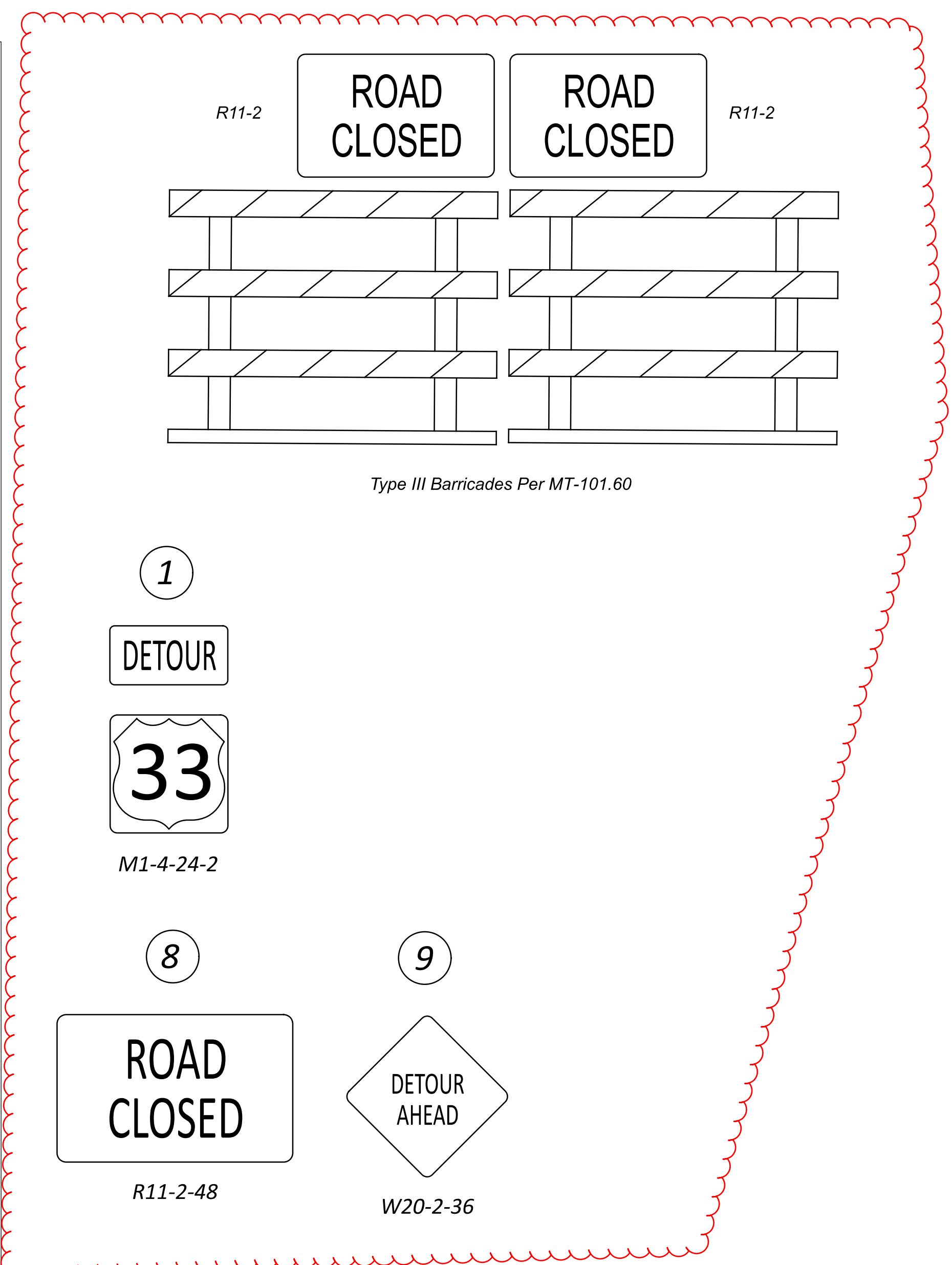
DESIGNER  
KRH  
REVIEWER

PROJECT ID  
119043

SHEET TOTAL  
5A 19



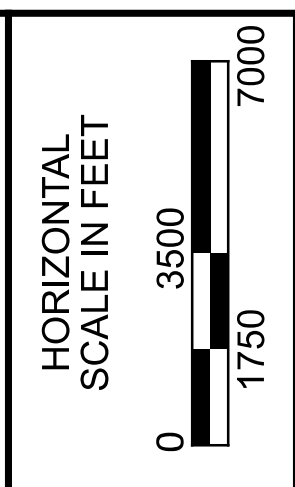
STATE DETOUR MAP



← WEST OFFICIAL SIGNED DETOUR ROUTE  
 → EAST OFFICIAL SIGNED DETOUR ROUTE

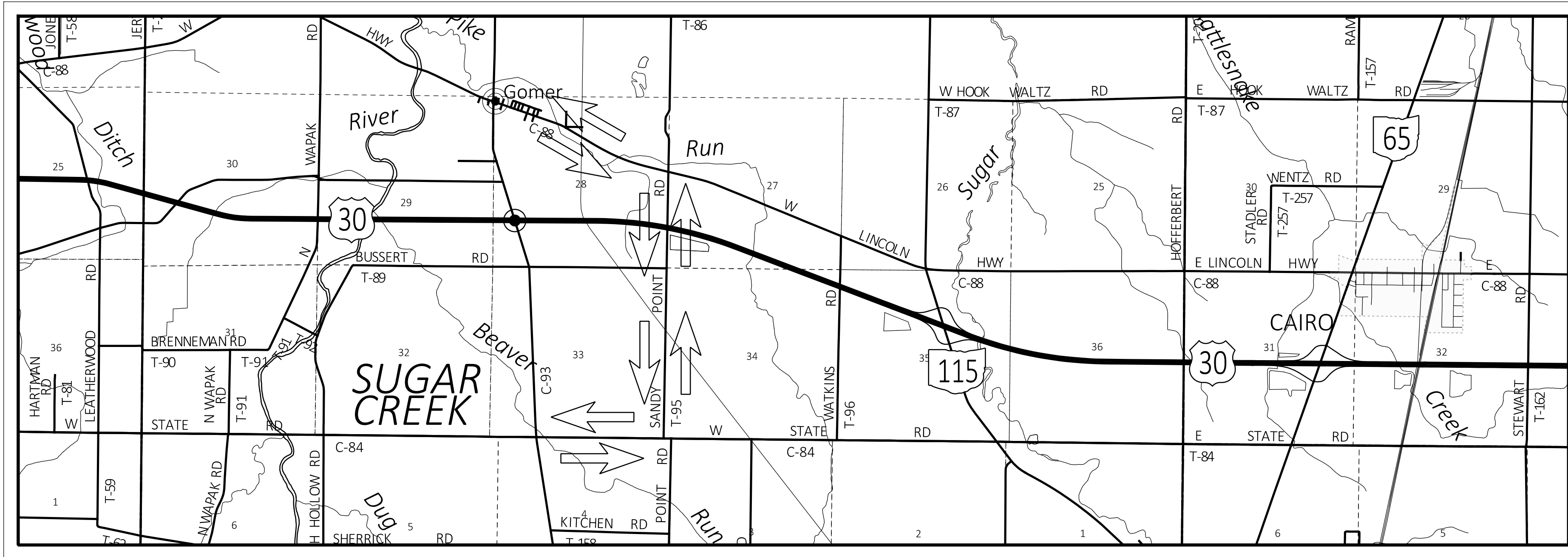
● PROJECT SITE LOCATION

NOTE: AUGUST 2ND WEEKEND - LINCOLN HIGHWAY GARAGE SALES (WEDNESDAY - SATURDAY)  
 NO CLOSURE PERMITTED DURING THIS PERIOD

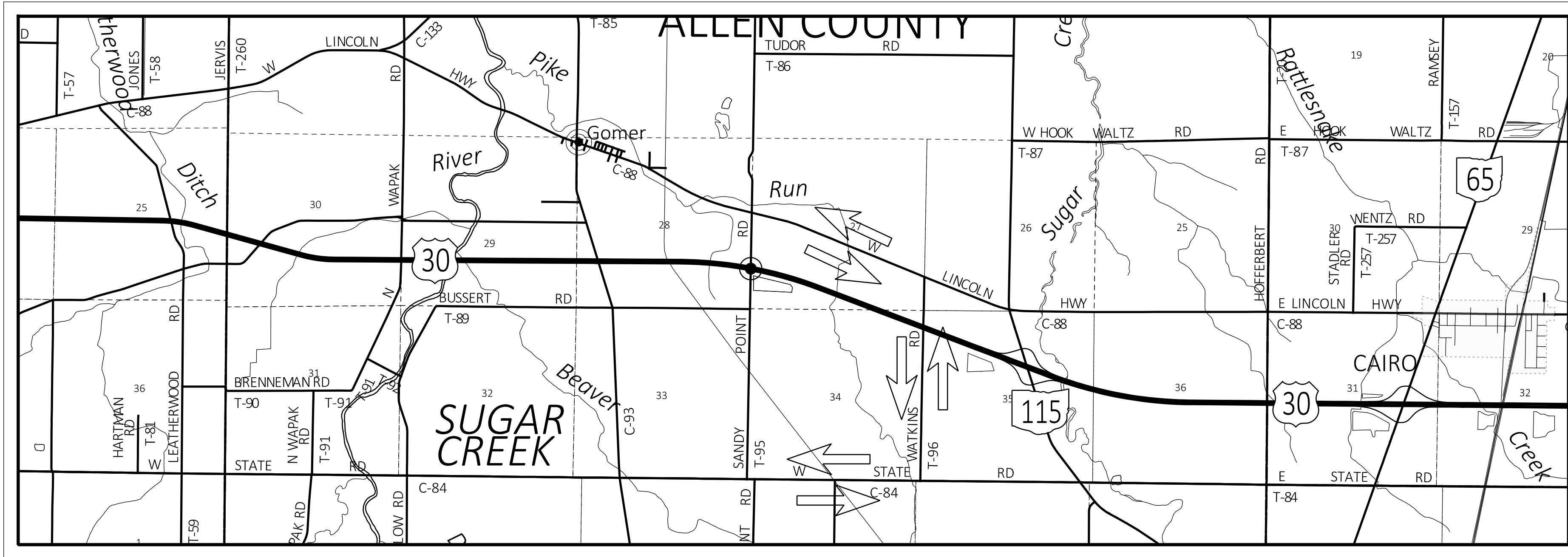


MAINTENANCE OF TRAFFIC DETOUR MAP

DESIGN AGENCY	
DESIGNER	KRH
REVIEWER	XXX MM-DD-YY
PROJECT ID	119043
SHEET	6
TOTAL	18



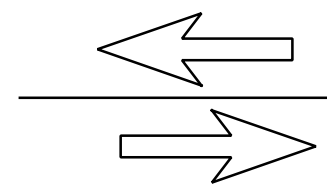
**LOCAL DETOUR MAP - GOMER RD**



**LOCAL DETOUR MAP - SANDY POINT RD**



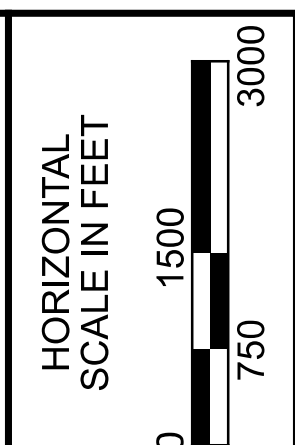
**LEGEND**



LOCAL DETOUR ROUTE



PROJECT SITE LOCATION



**MAINTENANCE OF TRAFFIC DETOUR MAP**

DESIGN AGENCY



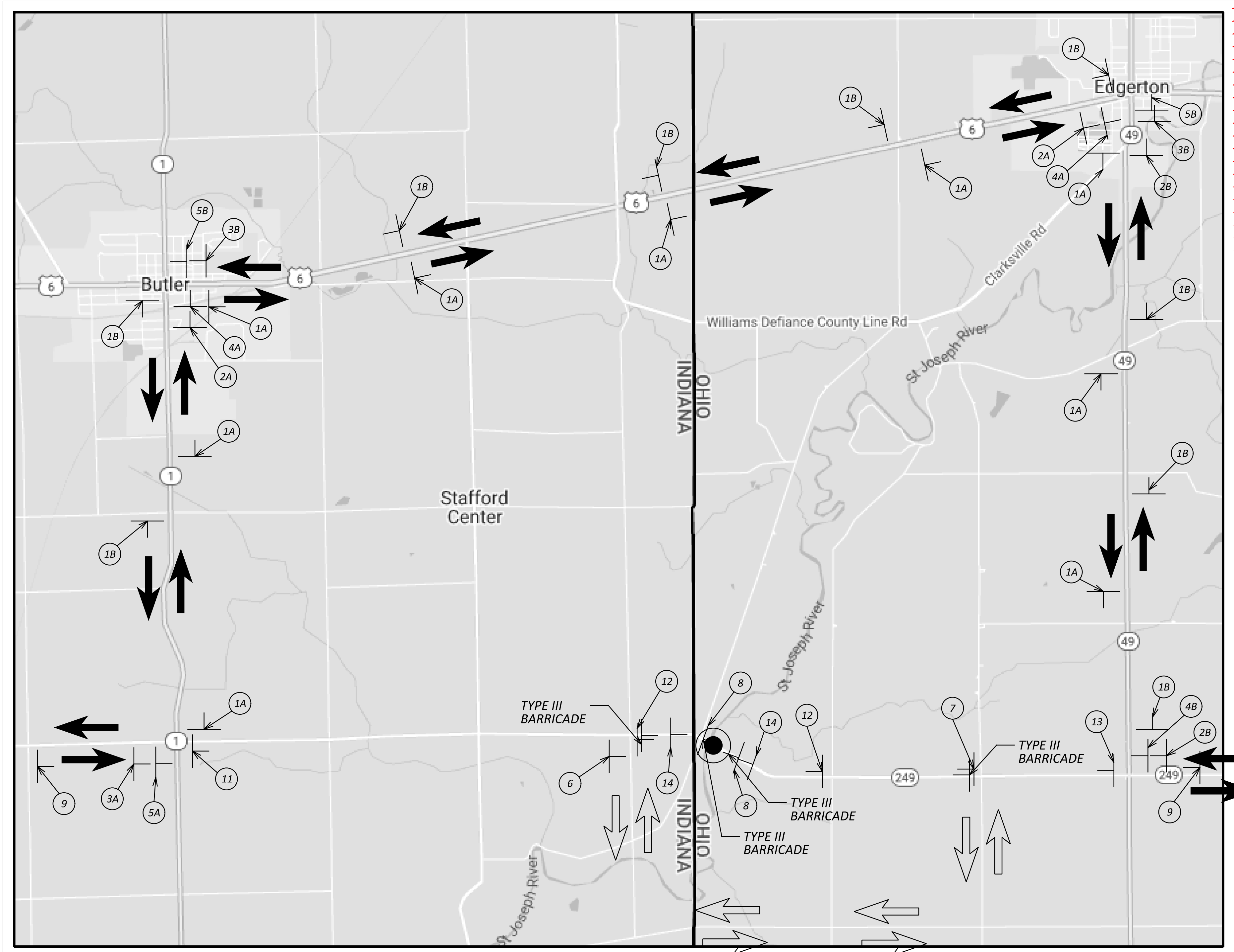
DESIGNER  
**KRH**

REVIEWER

XXX MM-DD-YY

PROJECT ID  
**119043**

SHEET	TOTAL
7	18



STATE DETOUR MAP

① DETOUR 249 M1-5-24-3	② DETOUR 249 M1-5-24-3	③ DETOUR 249 M1-5-24-3	④ DETOUR 249 M1-5-24-3	⑤ DETOUR 249 M1-5-24-3	⑥ ROAD CLOSED LOCAL TRAFFIC ONLY  DETOUR M4-10R-48	
M5-1-12	M5-1-12	M5-1-12	M6-1-12	M6-1-12		
⑦ ROAD CLOSED LOCAL TRAFFIC ONLY	⑧ ROAD CLOSED R11-2-48	⑨ DETOUR AHEAD W20-2-36	⑪ ROAD CLOSED 3.5 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60			
M4-10L-48						
⑫ ROAD CLOSED 0.5 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60	⑬ ROAD CLOSED 2.85 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60	⑭ ROAD CLOSED 1000FT W20-3-36	A EAST M3-2-24	B WEST M3-4-24		
R11-2		ROAD CLOSED	ROAD CLOSED	R11-2		
Type III Barricades Per MT-101.60						
LEGEND						
← LOCAL DETOUR ROUTE			● PROJECT SITE LOCATION			
← OFFICIAL SIGNED DETOUR ROUTE						

MAINTENANCE OF TRAFFIC  
DETOUR SHEET  
BRIDGE NO. DEF-249-0.094

DESIGN AGENCY	
DESIGNER	KRH
REVIEWER	XXX MM-DD-YY
PROJECT ID	119043
SHEET	TOTAL
8	18

SHEET NUM.					PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	12	01/STR/47	02/NHS/47								
											ROADWAY	
					LS	LS	201	11000	LS		CLEARING AND GRUBBING	
							330	38000	330	FT	GUARDRAIL REMOVED	
							8	47000	8	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
							296	13000	296	FT	GUARDRAIL, TYPE 5	
							8	35120	8	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 3	
											EROSION CONTROL	
		1,000			200	800	832	30000	1,000	EACH	EROSION CONTROL	
											PAVEMENT	
		2,510			450	2,060	251	01000	2,510	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
		45			10	35	253	02000	45	CY	PAVEMENT REPAIR	
							161	30000	161	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
											STRUCTURE REPAIR (ALL-30-1.13, SFN: 0200050)	
				1,316		1,316	512	73500	1,316	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
				6		6	512	10050	6	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				141		141	516	14600	141	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: USING DOW CORNING 902	18
				141		141	519	11101	141	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	11
				101		101	843	50000	101	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
											STRUCTURE REPAIR (ALL-30-7.90, SFN: 0200247)	
				LS		LS	202	11200	LS		PORTIONS OF STRUCTURE REMOVED	
				978		978	202	23500	978	SY	WEARING COURSE REMOVED (T=1.25")	
				63		63	516	14600	63	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: USING DOW CORNING 902	18
				541.5		541.5	517	72750	541.5	FT	RAILING (THRIE BEAM RETROFIT)	
				35		35	519	11101	35	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	11
											PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				35		35	843	50000	35	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				978		978	848	10100	978	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.25")	
				978		978	848	20000	978	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1")	
				61.2		61.2	848	30100	61.2	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
				60		60	848	50000	60	SY	HAND CHIPPING	
											TEST SLAB	
											STRUCTURE REPAIR (ALL-30-8.81, SFN: 0200301)	
				LS		LS	202	11200	LS		PORTIONS OF STRUCTURE REMOVED	
				756		756	202	23500	756	SY	WEARING COURSE REMOVED (T=1.25")	
				8		8	512	10050	8	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				49		49	516	14600	49	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: USING DOW CORNING 902	18
				507		507	517	72750	507	FT	RAILING (THRIE BEAM RETROFIT)	
											PATCHING CONCRETE STRUCTURE, AS PER PLAN	11
				63		63	519	11101	63	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	
				63		63	843	50000	63	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				756		756	848	10100	756	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.25")	
				756		756	848	20000	756	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1")	
				48		48	848	30100	48	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
											HAND CHIPPING	
				60		60	848	50000	60	SY	HAND CHIPPING	
				LS		LS	848	50100	LS		TEST SLAB	
											STRUCTURE REPAIR (ALL-30-9.27L, SFN: 0200336)	
				424		424	202	23500	424	SY	WEARING COURSE REMOVED (T=1.75")	
				12		12	512	10050	12	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
							150	75600	150	FT	DEEP BEAM BRIDGE RETROFIT RAILING	
				130		130	SPECIAL	51822300	130	FT	STEEL DRIP STRIP	11
				154		154	519	11101	154	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	11
											PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				154		154	843	50000	154	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				424		424	848	10100	424	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.75")	
				424		424	848	20000	424	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1")	
				32.5		32.5	848	30100	32.5	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
				64		64	848	50000	64	SY	HAND CHIPPING	
											TEST SLAB	
				LS		LS	848	50100	LS		TEST SLAB	
				1		1	848	50200	1	CY	FULL-DEPTH REPAIR	

GENERAL SUMMARY

DESIGN AGENCY	
DESIGNER	KRH
REVIEWER	
PROJECT ID	XXX MM-DD-YY
SHEET	119043
TOTAL	19

SHEET NUM.					PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	12		01/STR/47	02/NHS/47							
											<b>STRUCTURE REPAIR (ALL-30-9.31R, SFN: 0200360)</b>	
				424	424	202	23500	424	SY	WEARING COURSE REMOVED (T=1.75")		
					150	517	75600	150	FT	DEEP BEAM BRIDGE RETROFIT RAILING		
				130	130	SPECIAL	51822300	130	FT	STEEL DRIP STRIP		11
				424	424	848	10100	424	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.75")		
				424	424	848	20000	424	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1")		
				32.5	32.5	848	30100	32.5	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY		
				55	55	848	50000	55	SY	HAND CHIPPING		
				LS	LS	848	50100	LS		TEST SLAB		
											<b>STRUCTURE REPAIR (DEF-249-0.094, SFN: 2002280)</b>	
				654	654	202	23500	654	SY	WEARING COURSE REMOVED (T=1.25")		
				400	400	202	38500	400	FT	BRIDGE RAILING REMOVED		
				5,412	5,412	509	10000	5,412	LB	EPOXY COATED STEEL REINFORCEMENT		
				1,120	1,120	510	09950	1,120	EACH	DOWEL HOLES WITH CEMENT GROUT		
				24.2	24.2	511	34448	24.2	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)		
				48	48	516	14600	48	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: USING DOW CORNING 902		18
				26.5	26.5	519	11101	26.5	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		11
				26.5	26.5	843	50000	26.5	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		
				654	654	848	10100	654	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.25")		
				654	654	848	20000	654	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1")		
				40.9	40.9	848	30100	40.9	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY		
				45	45	848	50000	45	SY	HAND CHIPPING		
				LS	LS	848	50100	LS		TEST SLAB		
				1	1	848	50200	1	CY	FULL-DEPTH REPAIR		
											<b>MAINTENANCE OF TRAFFIC</b>	
	60			20	40	253	02000	60	CY	PAVEMENT REPAIR		
	2,630				2,630	254	01000	2,630	SY	PAVEMENT PLANING, ASPHALT CONCRETE(1 1/2")		
	225				225	407	20000	225	GAL	NON-TRACKING TACK COAT		
	110				110	441	70000	110	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
					56	614	11110	56	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
					LS	614	12420	LS		DETOUR SIGNING		
					3	614	12470	3	EACH	WORK ZONE SPEED LIMIT SIGN		
				2	10	614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN		5
					0.81	614	21400	0.81	MILE	WORK ZONE CENTER LINE, CLASS II		
					5.14	614	22326	5.14	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 873		
					0.95	614	24122	0.95	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 873		
				2	10	616	10000	12	MGAL	WATER		
	150			50	100	617	10100	150	CY	COMPACTED AGGREGATE		
					11,820	618	40100	11,820	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)(1 1/2")		
					2,400	622	41100	2,400	FT	PORTABLE BARRIER, UNANCHORED		
					12	808	18700	12	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY		
					LS	LS	614	LS			<b>INCIDENTALS</b>	
					LS	LS	624	LS			MAINTAINING TRAFFIC	
											MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

KRH

REVIEWER

XXX MM-DD-YY

PROJECT ID

119043

SHEET

10

TOTAL

19



**SUPPLEMENTAL SPECIFICATIONS**

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

843 DATED 10/18/19  
 848 DATED 1/15/21

**DECK PROTECTION METHOD**

LATEX MODIFIED CONCRETE OVERLAY

**EXISTING BRIDGE PLANS**

EXISTING PLANS ARE AVAILABLE AND MAY BE INPECTED IN THE ODOT DISTRICT 1 OFFICE IN LIMA.

**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 C&MS, SECTIONS 102.05 AND 105.02. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

**DEMOLITION DEBRIS**

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID AND/OR LIMIT DEMOLITION FROM ENTERING THE WATERWAY/RIVER. ANY MATERIAL THAT DOES ENTER THE WATERWAY/RIVER SHALL BE IMMEDIATELY REMOVED.

**FINISHING EQUIPMENT SUPPORT PLAN**

THE CONTRACTOR IS HEREBY ADVISED THAT HE/SHE SHALL NOT BE PERMITTED TO USE THE RETROFIT RAILING TO SUPPORT THE FINISHING EQUIPMENT. THE CONTRACTOR SHALL SUBMIT TO THE DISTRICT CONSTRUCTION ENGINEER FOR APPROVAL BY THE DIRECTOR, A PLAN DETAILING THE METHOD TO BE USED TO SUPPORT THE FINISHING EQUIPMENT. THIS PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO THE PLACING OF PROPOSED DECK OVERLAY.

**ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY)**

THE CONTRACTOR SEAL ALL LOCATIONS DESCRIBED IN THE TABLE BELOW AND SHOWN ON THE TRANSVERSE SECTION ON SHEET 13.

STRUCTURE	SEALING LOCATIONS
ALL-30-1.130	SUPERSTRUCTURE

PAYMENT FOR SEALING THE LOCATIONS ABOVE SHALL BE AT THE UNIT PRICE BID PER SY FOR ITEM 512 - SEALING OF CONCRETE SURFACES (NON-EPOXY) WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 848 - SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN**

THIS ITEM SHALL FOLLOW SUPPLEMENTAL SPECIFICATION 848 EXCEPT THAT THE TOP SURFACE OF THE CONCRETE BRIDGE DECK SHALL BE COMPLETELY REMOVED TO A DEPTH "D" OF 1.25".

**ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN**

A QUANTITY OF THIS ITEM IS INCLUDED IN THE ESTIMATED QUANTITIES TO REPAIR DETERIORATED AREAS OF CONCRETE WHERE THE DEPTH OF THE PATCH IS GREATER THAN 3 INCHES, AS LOCATED BY THE PROJECT ENGINEER.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED STEEL REINFORCEMENT. ACCEPTABLE METHODS INCLUDE: HIGH-PRESSURE WATER BLASTING WITH, OR WITHOUT, ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT OR VACUUM ABRASIVE BLASTING.

A LIST OF ESTIMATED LOCATIONS AND ESTIMATED QUANTITIES FOR PATCHING ARE LISTED IN THE STRCUTURE PLAN SHEETS AND ESTIMATED QUANTITIES

PAYMENT FOR PATCHING AS DESCRIBED ABOVE SHALL BE AT THE UNIT PRICE BID PER SF FOR ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

**ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR**

A QUANTITY IS INCLUDED IN THE ESTIMATED QUANTITIES TO REPAIR ANY DETERIORATED AREAS ON THE LEFT AND RIGHT PARAPETS AND SAFETY CURBS, AND THE DECK EDGES WITH ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWEL-ABLE MORTAR WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

**ITEM 516 - JOINT SEALER, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF CMS 516, THIS ITEM SHALL INCLUDE PROVIDING A 1/2" X 2 1/4" GROOVE AS SHOWN ON SHEET 5/6.

PAYMENT FOR THIS ITEM SHALL INCLUDE ALL MATERIAL, EQUIPMENT, INCIDENTALS, AND LABOR NEEDED TO PERFORM THIS WORK. PAYMENT SHALL BE AT THE UNIT PRICE BID PER FT FOR ITEM 516 - JOINT SEALER, AS PER PLAN.

**ITEM 516 - STRUCTURAL SEALER. MISC.: CARBOLINE CARBOGUARD - 635**

FOR CARBON STEEL SUBSTRATES, AFTER SANDBLASTING TO "WHITE METAL", APPLY CARBOLINE CARBOGUARD 635. PLEASE REFER TO THE INSTALLATION GUIDELINES, FORM 62-272 OR CONTACT YOUR LOCAL REPRESENTATIVE FOR SPECIFIC INFORMATION.

DESIGN AGENCY



DESIGNER

KRH

REVIEWER

XXX MM-DD-YY

PROJECT ID

119043

SUBSET TOTAL

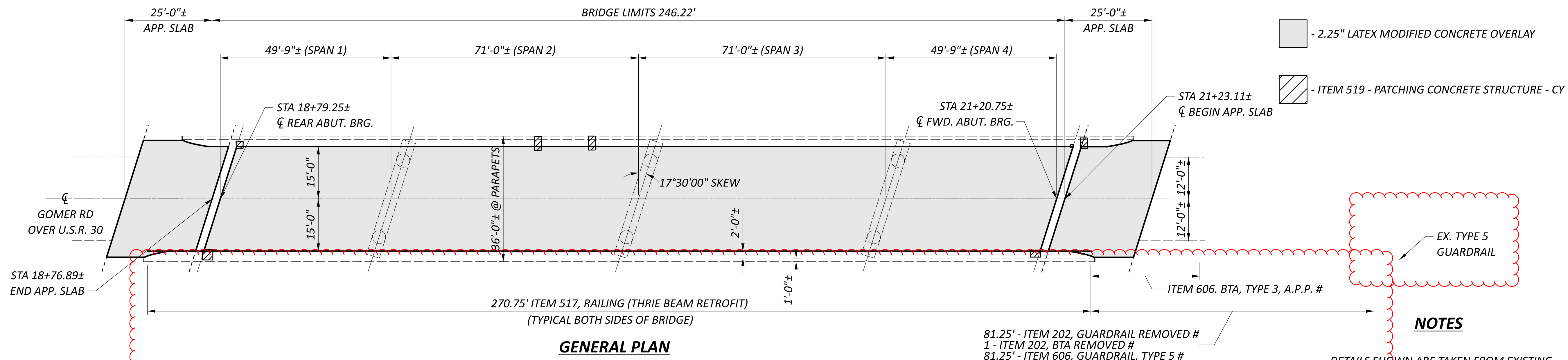
1 8

SHEET TOTAL

11 18

ESTIMATED QUANTITIES (CARRIED TO GENERAL SUMMARY)											
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	APP. SLAB	ABUT.	SUPER.	GEN.	PIER	SHEET #	
<b>ALL-30-1.130</b>											
512	73500	1316	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN (AND APP. SLABS)	257		1059				
512	10050	6	SY	SEALING OF CONCRETE SURFACES (NONEPOXY)					6		
516	14600	104	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: USING DOW CORNING 902		104					
519	11101	141	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		78		23	40		
843	50000	141	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		78		23	40		
<b>ALL-30-7.897</b>											
202	23500	978	SY	WEARING COURSE REMOVED (T=1.25")	178		800				
516	14600	63	FT	STRUCTURAL JOINT OR JOINT SEALER MISC. : USING DOW CORNING 902		63					
519	11101	35	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN			35				
843	50000	35	SF	PATCHNG CONCRETE STRUCTURES WITH TROWELABLE MORTAR			35				
848	20000	978	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1.0")	178		800				
848	30100	61.2	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	11.2		50				
848	50000	60	SY	HAND CHIPPING	60						
848	50100	LS		TEST SLAB				LS			
<b>ALL-30-8.807</b>											
202	23500	756	SY	WEARING COURSE REMOVED (T=1.25")	134		622				
512	10050	8	SY	SEALING OF CONCRETE SURFACES (NONEPOXY)					8		
516	14600	49	FT	STRUCTURAL JOINT OR JOINT SEALER MISC. : USING DOW CORNING 902		49					
519	11101	103	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN			63		40		
843	50000	103	SF	PATCHNG CONCRETE STRUCTURES WITH TROWELABLE MORTAR			63		40		
848	10100	756	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.25")	134		622				
848	20000	756	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1.0")	134		622				
848	30100	48	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	9		39				
848	50000	60	SY	HAND CHIPPING	60						
848	50100	LS		TEST SLAB				LS			
<b>ALL-30-9.268L</b>											
202	23500	424	SY	WEARING COURSE REMOVED (T=1.75")	135		289				
409	30000	80	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS		80					
512	10050	12	SY	SEALING OF CONCRETE SURFACES (NONEPOXY)			12				
519	11101	154	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN			154				
843	50000	154	SF	PATCHNG CONCRETE STRUCTURES WITH TROWELABLE MORTAR			154				
848	10100	424	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.75")	135		289				
848	20000	424	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1.0")	135		289				
848	30100	32.5	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	10.4		22.1				
848	50000	64	SY	HAND CHIPPING	55		9				
848	50100	LS		TEST SLAB				LS			
848	50200	1	CY	FULL-DEPTH REPAIR			1				
<b>ALL-30-9.306R</b>											
202	23500	424	SY	WEARING COURSE REMOVED (T=1.75")	135		289				
409	30000	80	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS		80					
848	10100	424	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.75")	135		289				
848	20000	424	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1.0")	135		289				
848	30100	32.5	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	10.4		22.1				
848	50000	55	SY	HAND CHIPPING	55						
848	50100	LS		TEST SLAB				LS			
<b>DEF-249-0.094</b>											
202	23500	654	SY	WEARING COURSE REMOVED (T=1.25")	134		520				
202	38500	400	FT	BRIDGE RAILING REMOVED			400				
509	10000	5808	LB	EPOXY COATED STEEL REINFORCEMENT			5808				
510	09950	1120	EACH	DOWEL HOLES WITH CEMENT GROUT			1120				
511	34448	25.2	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)			25.2				
516	14600	48	FT	STRUCTURAL JOINT OR JOINT SEALER MISC. : USING DOW CORNING 902		48					
519	11101	26.5	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN			26.5				
843	50000	26.5	SF	PATCHNG CONCRETE STRUCTURES WITH TROWELABLE MORTAR			26.5				
848	10100	654	SY	LATEX MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (T=2.25")	134		520				
848	20000	654	SY	SURFACE PREPARATION USING HYDRODEMOLITION (T=1.0")	134		520				
848	30100	40.9	CY	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	8.4		32.5				
848	50000	45	SY	HAND CHIPPING	45						
848	50100	LS		TEST SLAB				LS			





**GENERAL PLAN**

- 2.25" LATEX MODIFIED CONCRETE OVERLAY
- ITEM 519 - PATCHING CONCRETE STRUCTURE - CY

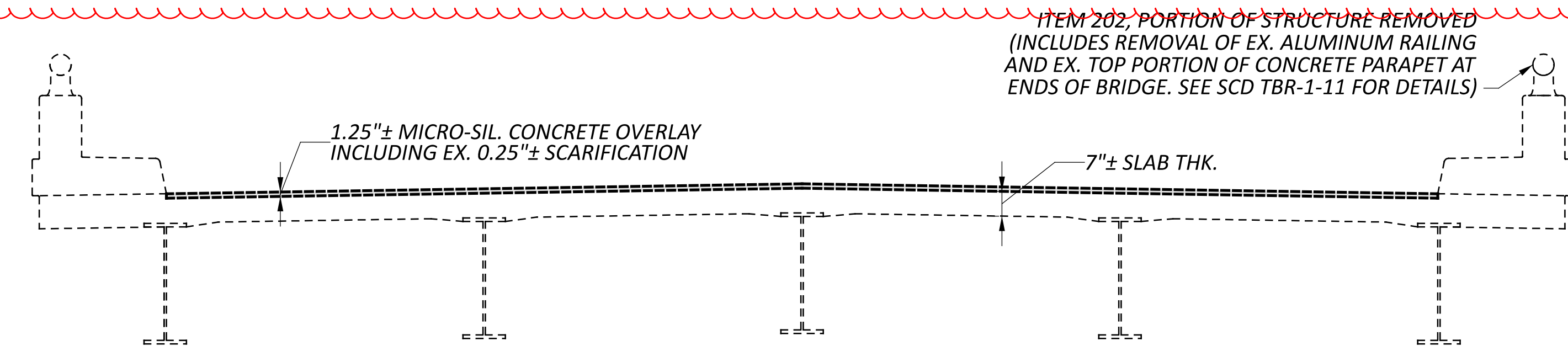
- 81.25' - ITEM 202, GUARDRAIL REMOVED #
- 1 - ITEM 202, BTA REMOVED #
- 81.25' - ITEM 606, GUARDRAIL, TYPE 5 #

**NOTES**

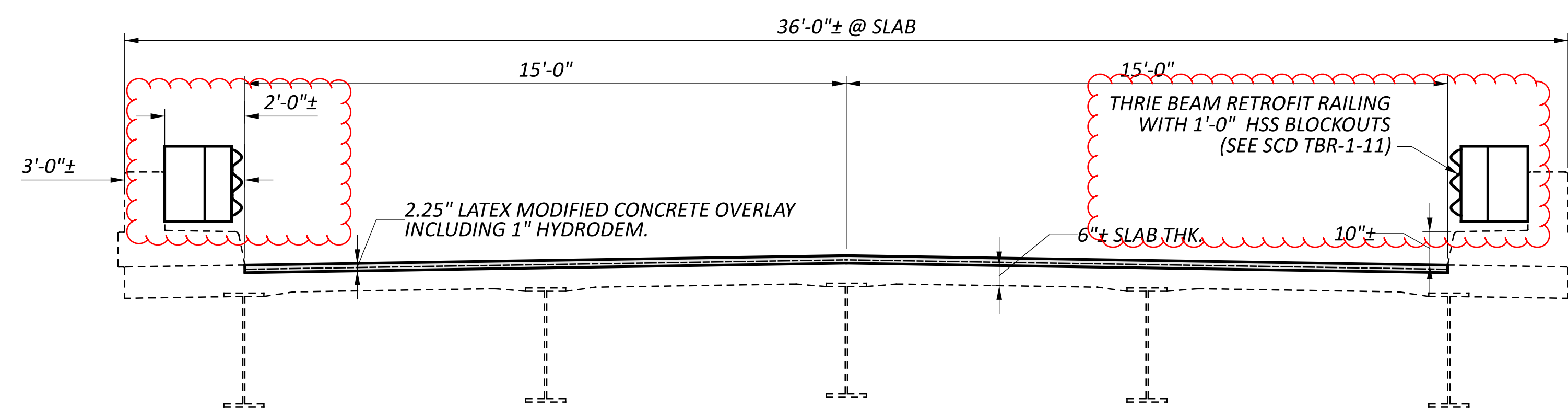
DETAILS SHOWN ARE TAKEN FROM EXISTING PLANS AND ARE FOR REFERENCE ONLY.

ALL DIMENSIONS CONSIDERED APPROXIMATE.

# - ONE PROPOSED GUARDRAIL APPROACH AND TRANSITION DETAIL SHOWN, BUT APPLIES TO ALL FOUR GUARDRAIL APPROACHES AND TRANSITIONS.



**EXISTING TRANSVERSE VIEW**



**PROPOSED TRANSVERSE VIEW**

- PROPOSED WORK**
- 1.) REMOVE EX. OVERLAY 1.25"± MICRO-SIL. CONC. HYDRODEM. 1"
  - 2.) OVERLAY THE DECK AND APPROACH SLABS WITH 2.25" OF LATEX MODIFIED CONCRETE
  - 3.) SEAL EXP. JOINTS - DOW CORNING
  - 4.) MINOR PATCHING ON SAFETY CURB
  - 5.) UPDATE RAILING SYSTEM

**EXISTING STRUCTURE**

TYPE: 4 SPAN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.

SPANS: 49'-9", 71'-0", 71'-0", 49'-9"

ROADWAY: 30'-0" F/F; 2' SAFETY CURBS

SKEW: 17°-30'-00" L.F.

WEARING SURFACE: 1" MONOLITHIC

APPROACH SLABS: 25'-0" LONG (SPECIAL)

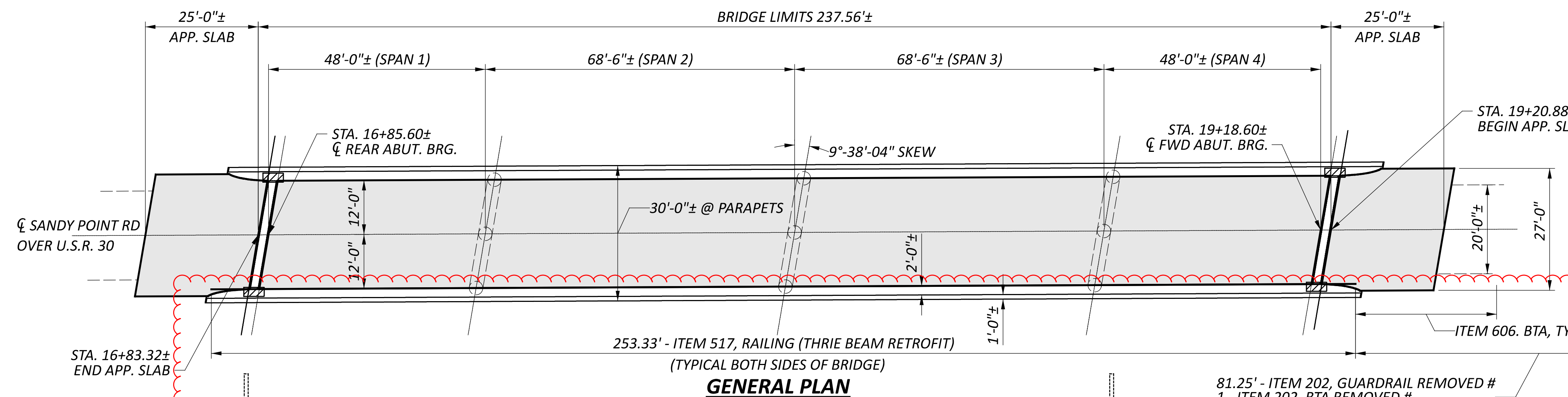
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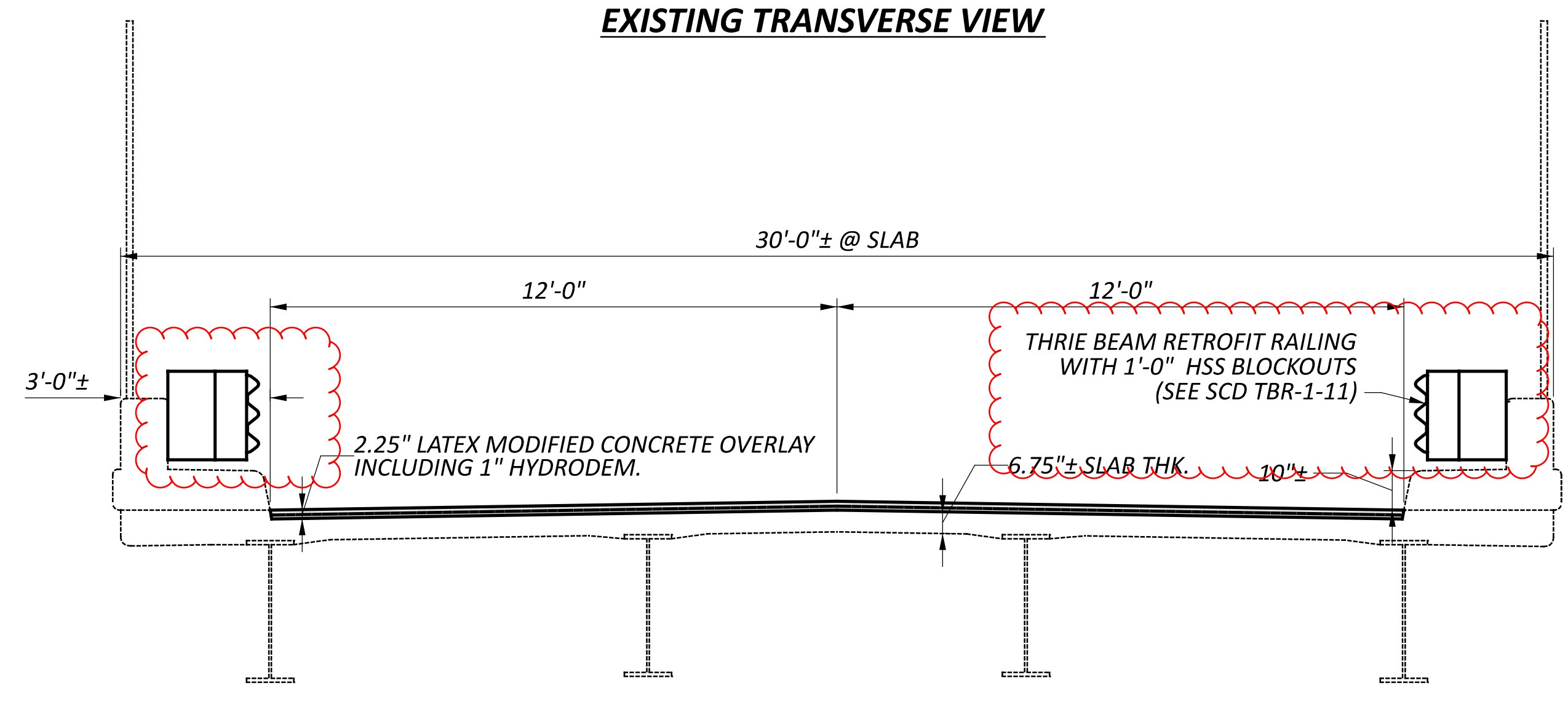
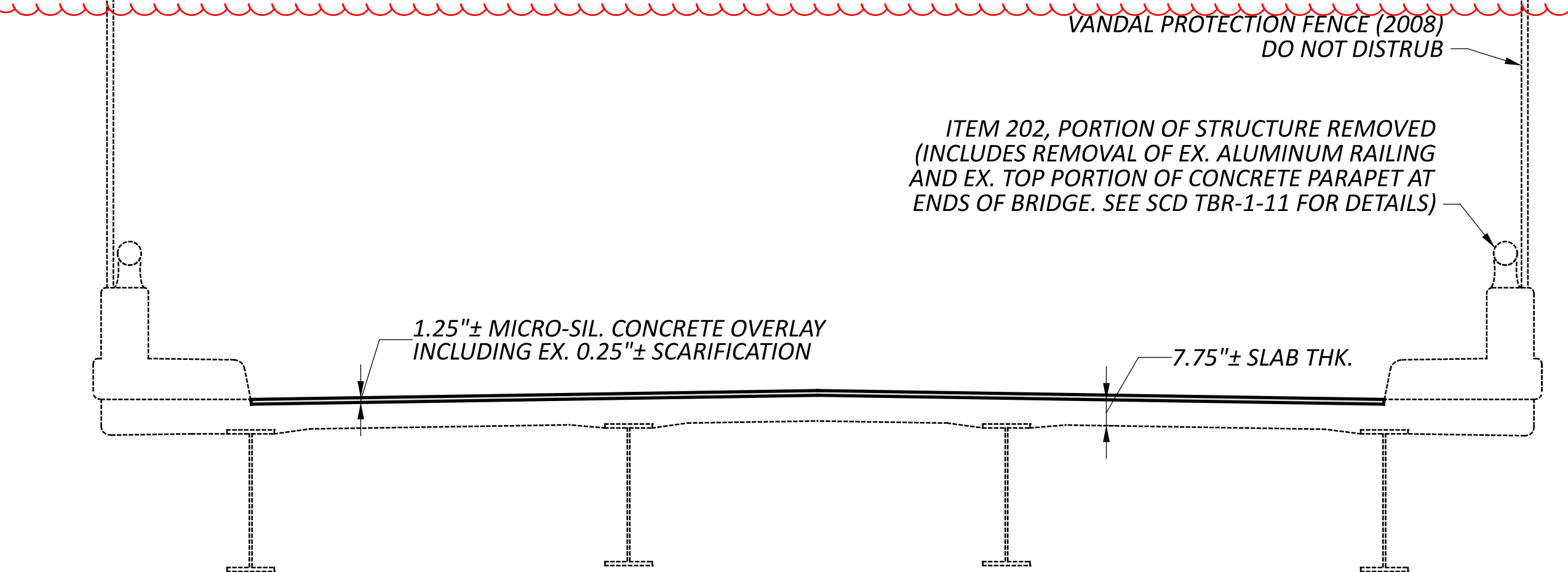
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DISPOSITION: TO BE REHABILITATED

SFN		0200247
DESIGN AGENCY		
DESIGNER		CHECKER
KRH		
REVIEWER		
XXX		XXX
PROJECT ID		119043
SUBJECT	TOTAL	
4	8	
SHEET	TOTAL	
14	18	



- 2.25" LATEX MODIFIED CONCRETE OVERLAY
- ITEM 519 - PATCHING CONCRETE STRUCTURE - CY



**NOTES**

DETAILS SHOWN ARE TAKEN FROM EXISTING  
 PLANS AND ARE FOR REFERENCE ONLY.

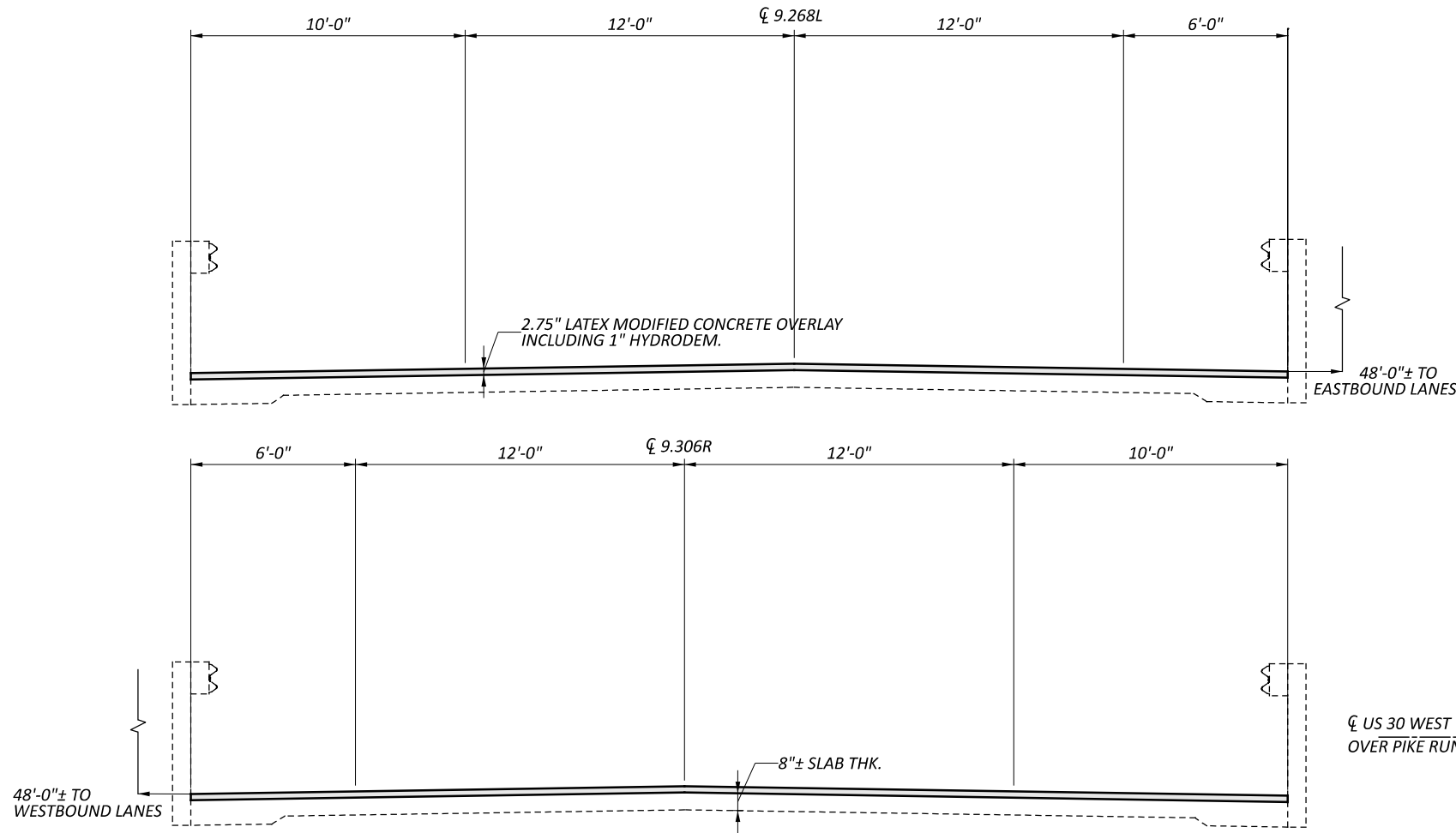
ALL DIMENSIONS CONSIDERED APPROXIMATE.

# - ONE PROPOSED GUARDRAIL APPROACH AND  
 TRANSITION DETAIL SHOWN, BUT APPLIES  
 TO ALL FOUR GUARDRAIL APPROACHES AND  
 TRANSITIONS.

PROPOSED WORK	
1.)	REMOVE 1.25"± MICRO-SIL. CONCRETE HYDRODEM. 1"
2.)	OVERLAY THE DECK AND APPROACH SLABS WITH 2.25" OF LATEX MODIFIED CONCRETE
3.)	SEAL EXP. JOINT - DOW CORNING
4.)	PATCH THE SAFETY CURB
5.)	PATCH AND SEAL THE LEFT REAR PIER COLUMN. (FURTHEST SW COLUMN)
6.)	UPDATE RAILING SYSTEM

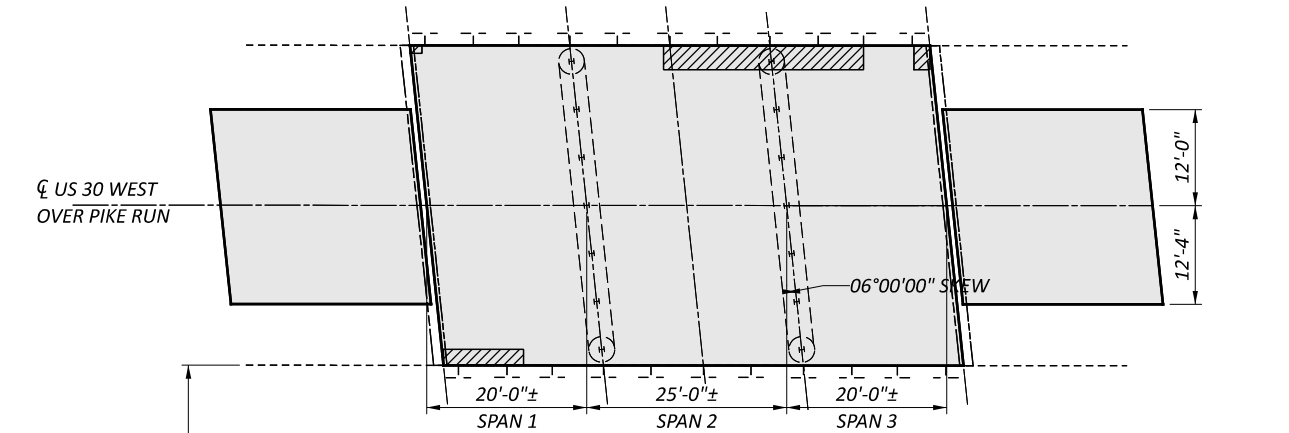
EXISTING STRUCTURE	
TYPE: 4 SPAN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.	
SPANS: 48'-0" , 68'-6" , 68'-6" , 48'-0"	
ROADWAY: 24'-0" F/F; 2'-0" SAFETY CURBS	
SKEW: 9°-38'-04" L.F. TO TANGENT	
WEARING SURFACE: 1.25" MICRO-SIL. CONC.	
APPROACH SLABS: 25'-0" LONG (SPECIAL)	
ALIGNMENT: Tangent	
STRUCTURAL FILE NUMBER: 0200301	
DATE BUILT: 1969 (REHAB 1996)	
DISPOSITION: TO BE REHABILITATED	

SFN	
0200301	
DESIGN AGENCY	
DESIGNER	CHECKER
KRH	
REVIEWER	
XXX	XXX
PROJECT ID	
119043	
SUBJECT	TOTAL
5	8
SHEET	TOTAL
15	18

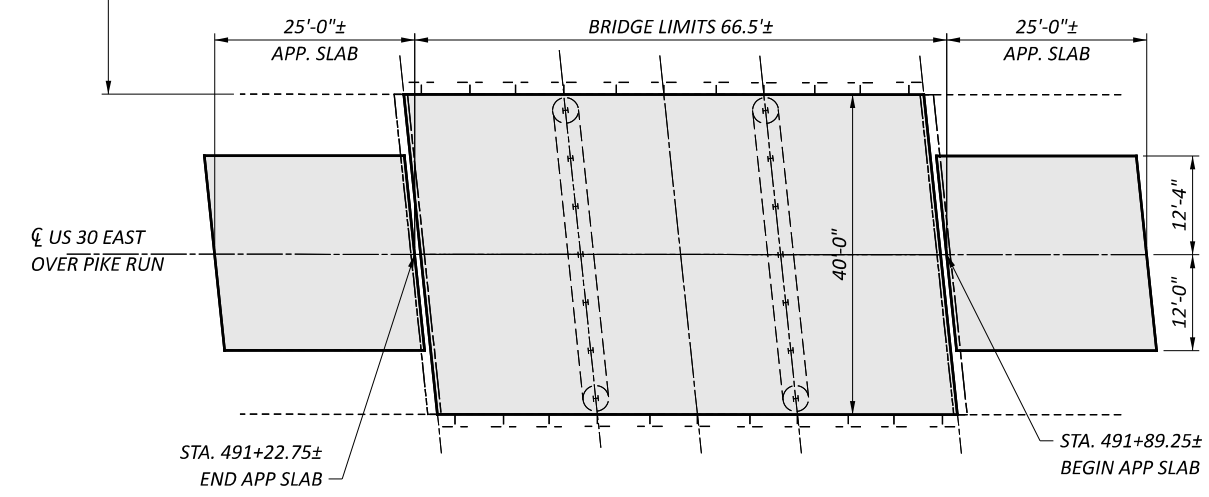


**PROPOSED TRANSVERSE VIEW**

- 2.75" LATEX MODIFIED CONCRETE OVERLAY
- ITEM 519 - PATCHING CONCRETE STRUCTURE - CY



**GENERAL PLAN**



**NOTES**

DETAILS SHOWN ARE TAKEN FROM EXISTING PLANS AND ARE FOR REFERENCE ONLY.

ALL DIMENSIONS CONSIDERED APPROXIMATE.

- PROPOSED WORK (ALL-30-9.267L)**
- 1.) REMOVE 1.75"± MICRO-SIL. CONCRETE HYDRODEM. 1"
  - 2.) OVERLAY THE DECK AND APPROACH SLABS WITH 2.75" OF LATEX MODIFIED CONCRETE
  - 3.) DEEP PATCHING ON DECK EDGES - SEAL
  - 4.) REPLACE THE DRIP STRIP
  - 5.) SAW AND SEAL THE JOINTS
  - 6.) RETROFIT RAILING

- PROPOSED WORK (ALL-30-9.306R)**
- 1.) REMOVE 1.75"± MICRO-SIL. CONCRETE HYDRODEM. 1"
  - 2.) OVERLAY THE DECK AND APPROACH SLABS WITH 2.75" OF LATEX MODIFIED CONCRETE
  - 3.) PATCH DECK EDGES - SEAL
  - 4.) SAW AND SEAL THE JOINTS
  - 5.) RETROFIT RAILING

**EXISTING STRUCTURES**

TYPE: 3 SPAN CONTINUOUS REINFORCED CONCRETE SLAB ON CAPPED PILE SUBSTRUCTURE

SPANS: 20'-0"±, 25'-0"±, 20'-0"±

ROADWAY: 40'-0"± F/F GUARDRAIL

SKEW: 6°-00'-00" L.F.

WEARING SURFACE: 1.75" MICRO-SIL. CONCRETE

APPROACH SLABS: 25'-0" LONG (STD. DWG. AS-1-67)

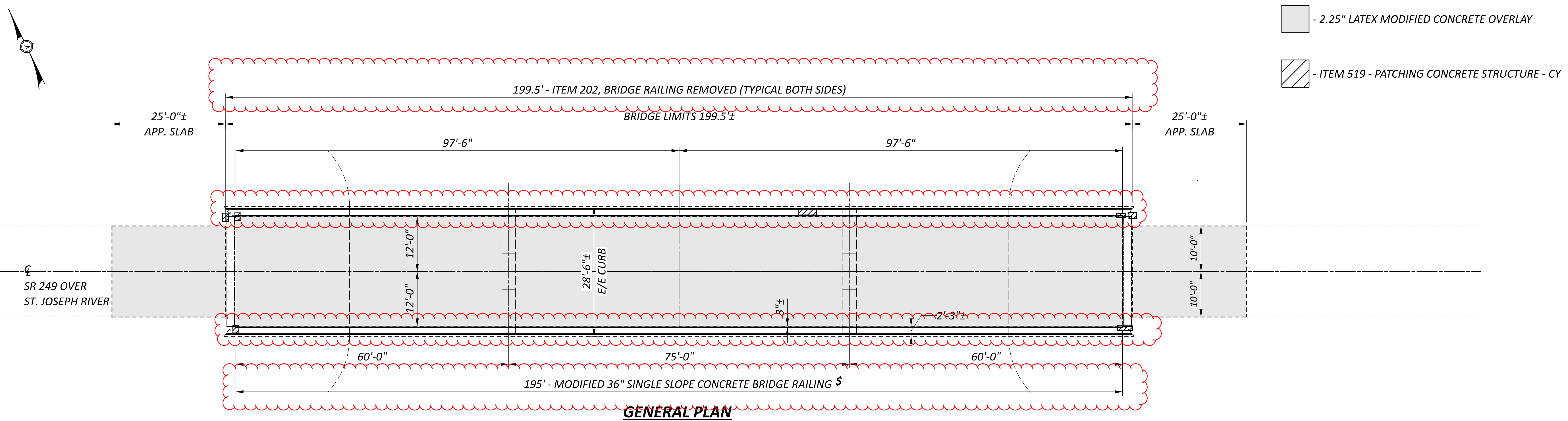
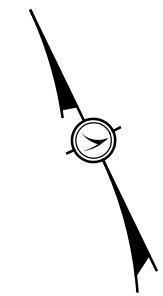
ALIGNMENT: Tangent

STRUCTURAL FILE NUMBER: LT. 0200336  
RT. 0200360

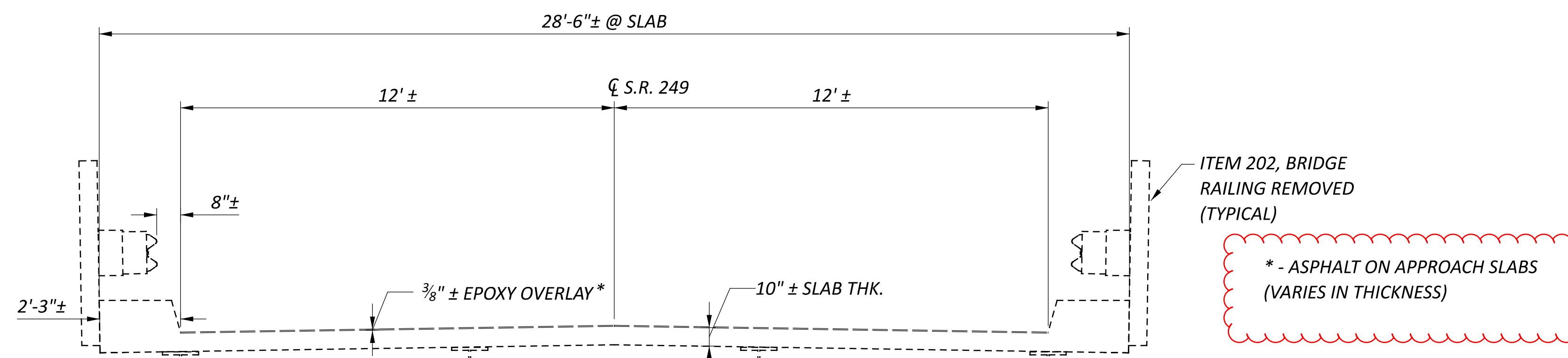
DATE BUILT: 1969 (REHAB. 1996)

DISPOSITION: TO BE REHABILITATED

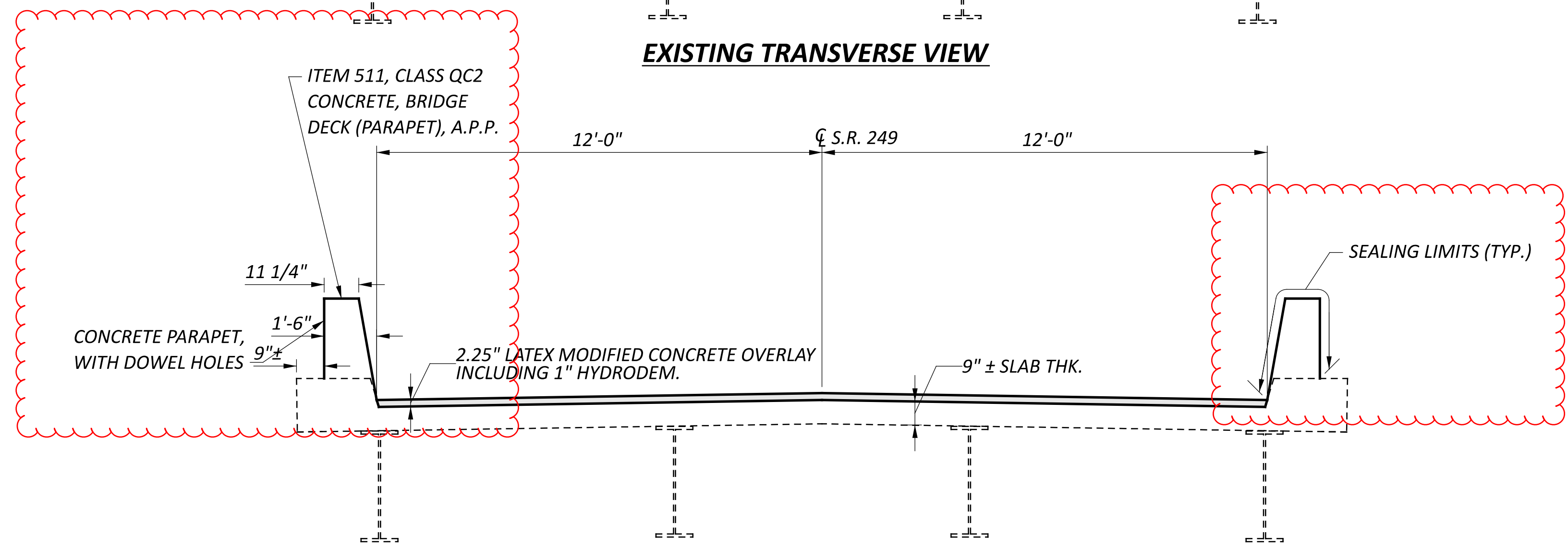
SFN 0200336/0200360	
DESIGN AGENCY 	
DESIGNER KRH	CHECKER
REVIEWER XXX XXX	
PROJECT ID 119043	
SUBSET 5	TOTAL 8
SHEET 16	TOTAL 19



- 2.25" LATEX MODIFIED CONCRETE OVERLAY
- ITEM 519 - PATCHING CONCRETE STRUCTURE - CY



**EXISTING TRANSVERSE VIEW**



**PROPOSED TRANSVERSE VIEW**

**NOTES**

DETAILS SHOWN ARE TAKEN FROM EXISTING PLANS AND ARE FOR REFERENCE ONLY.  
 ALL DIMENSIONS CONSIDERED APPROXIMATE.

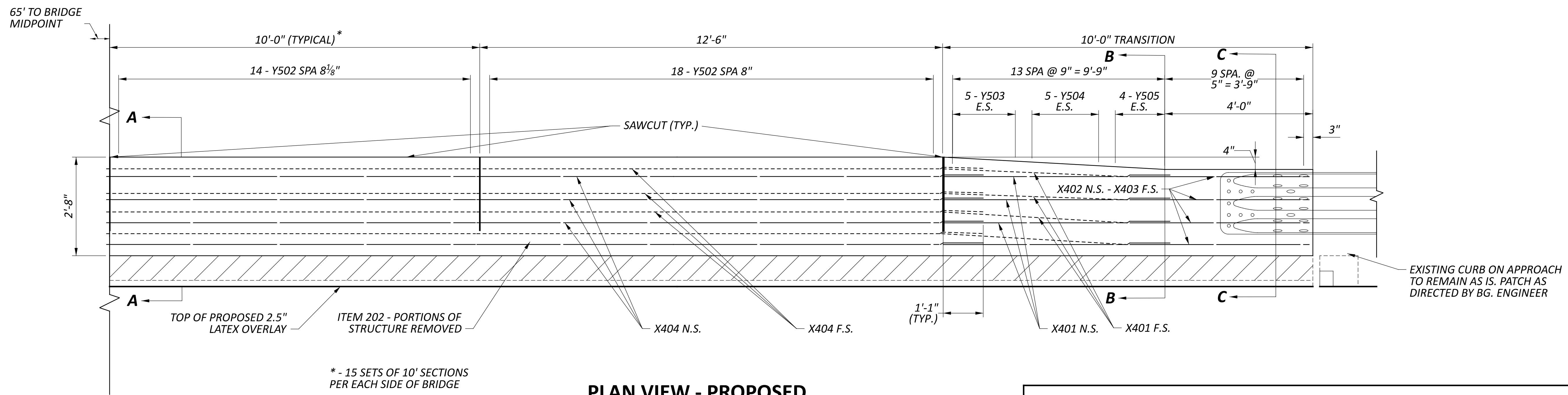
**PROPOSED WORK**

- 1.) REMOVE 1.25"± ASPHALT CONCRETE HYDRODEM. 1"
- 2.) OVERLAY THE DECK AND APPROACH SLABS WITH 2.25" OF LATEX MODIFIED CONCRETE
- 3.) MINOR PATCH AND SEAL SAFETY CURB
- 4.) PATCH UNSOUND AREA OF ABUT. AND BACKWALL
- 5.) EPOXY INJECT THE CRACKS
- 6.) SEAL EXP. JOINTS - DOW CORNING
- 7.) REMOVE AND REPLACE RAILING WITH CONCRETE PARAPET

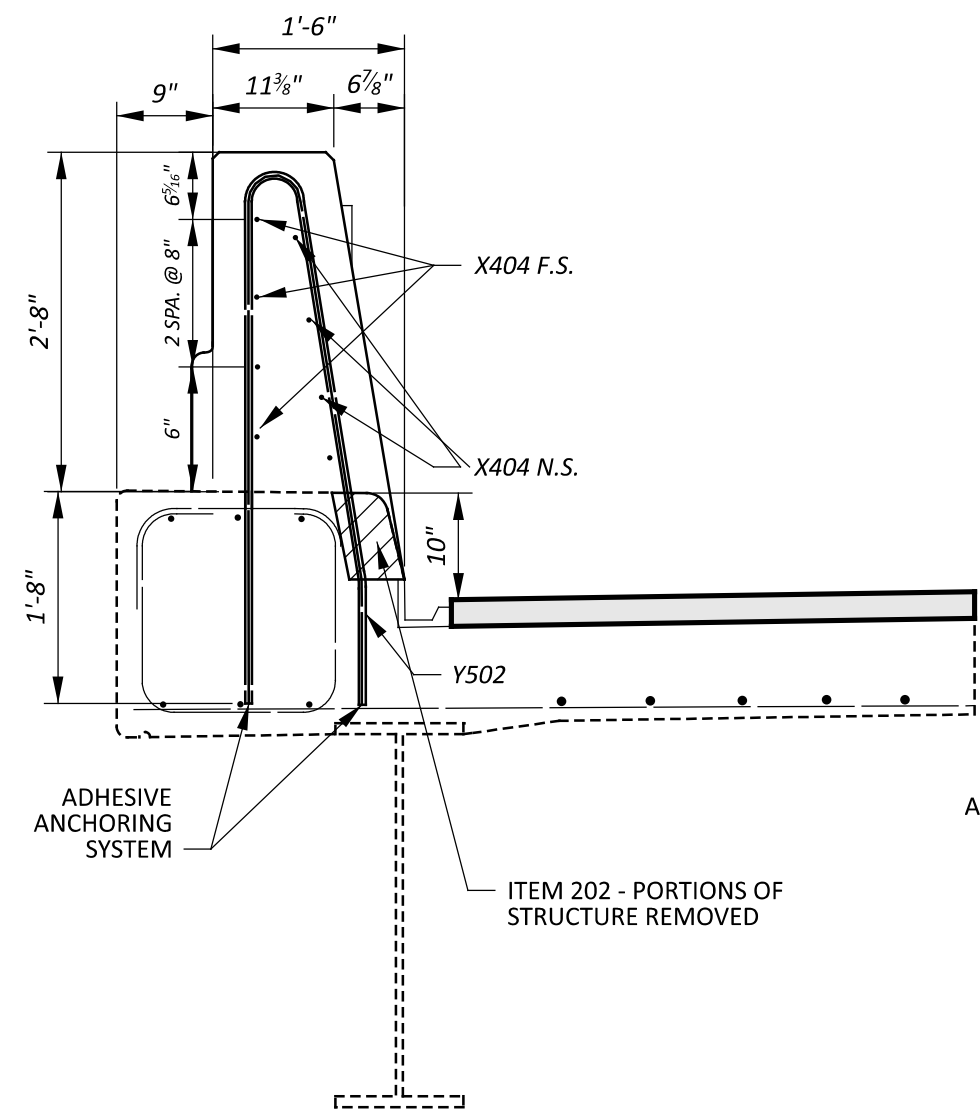
**EXISTING STRUCTURE**

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE  
 SPANS: 60'-0"± 75'-0"± 60'-0"  
 ROADWAY: 24'-0" F/F; 2'-3" CURBS  
 SKEW: NONE  
 WEARING SURFACE: 1.25"± ASPHALT CONCRETE  
 APPROACH SLABS: 25'-0" LONG (SPECIAL)  
 ALIGNMENT: Tangent  
 STRUCTURAL FILE NUMBER: 2002280  
 DATE BUILT: 1961  
 DISPOSITION: TO BE REHABILITATED

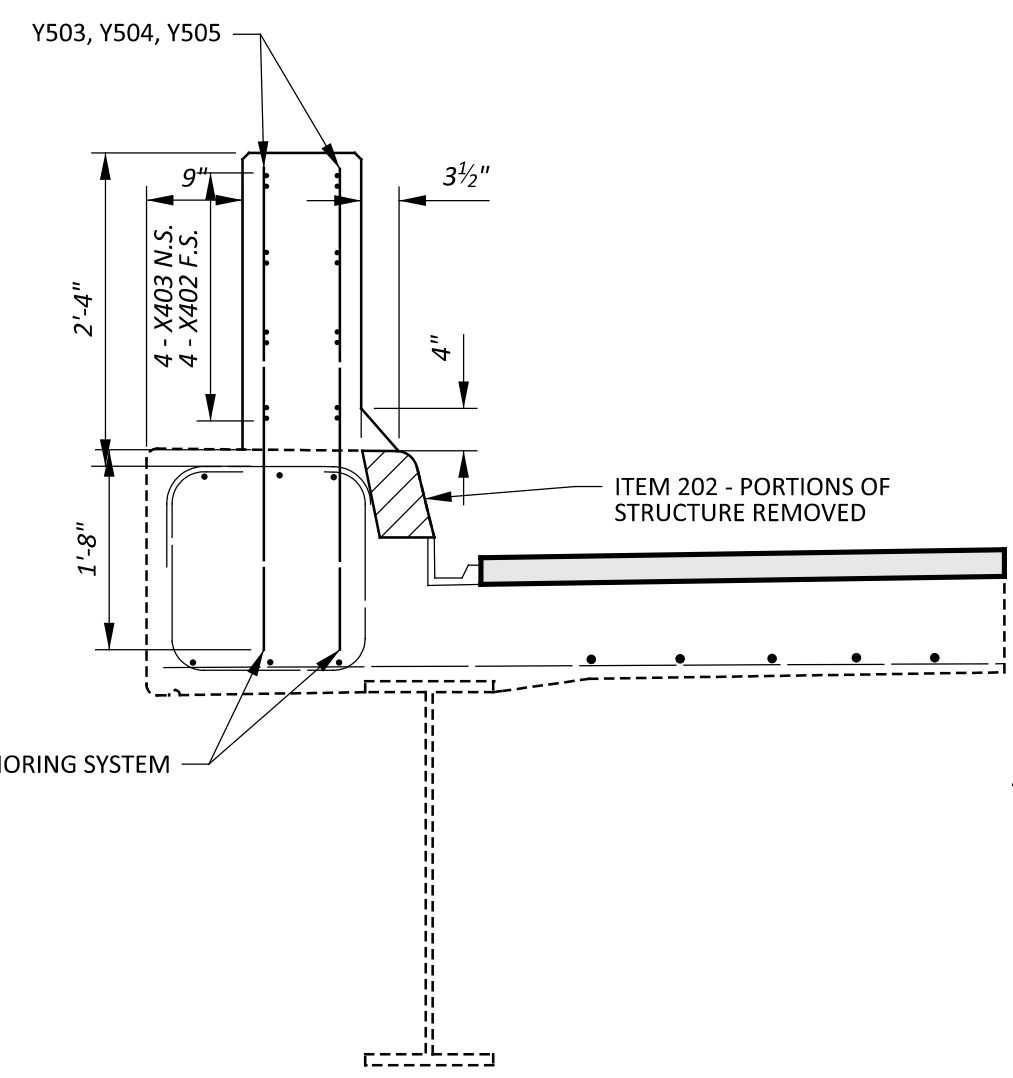
SFN	
2002280	
DESIGN AGENCY	
DESIGNER	CHECKER
KRH	
REVIEWER	
XXX XXX	
PROJECT ID	
119043	
SUBSET	TOTAL
7	9
SHEET	TOTAL
17	19



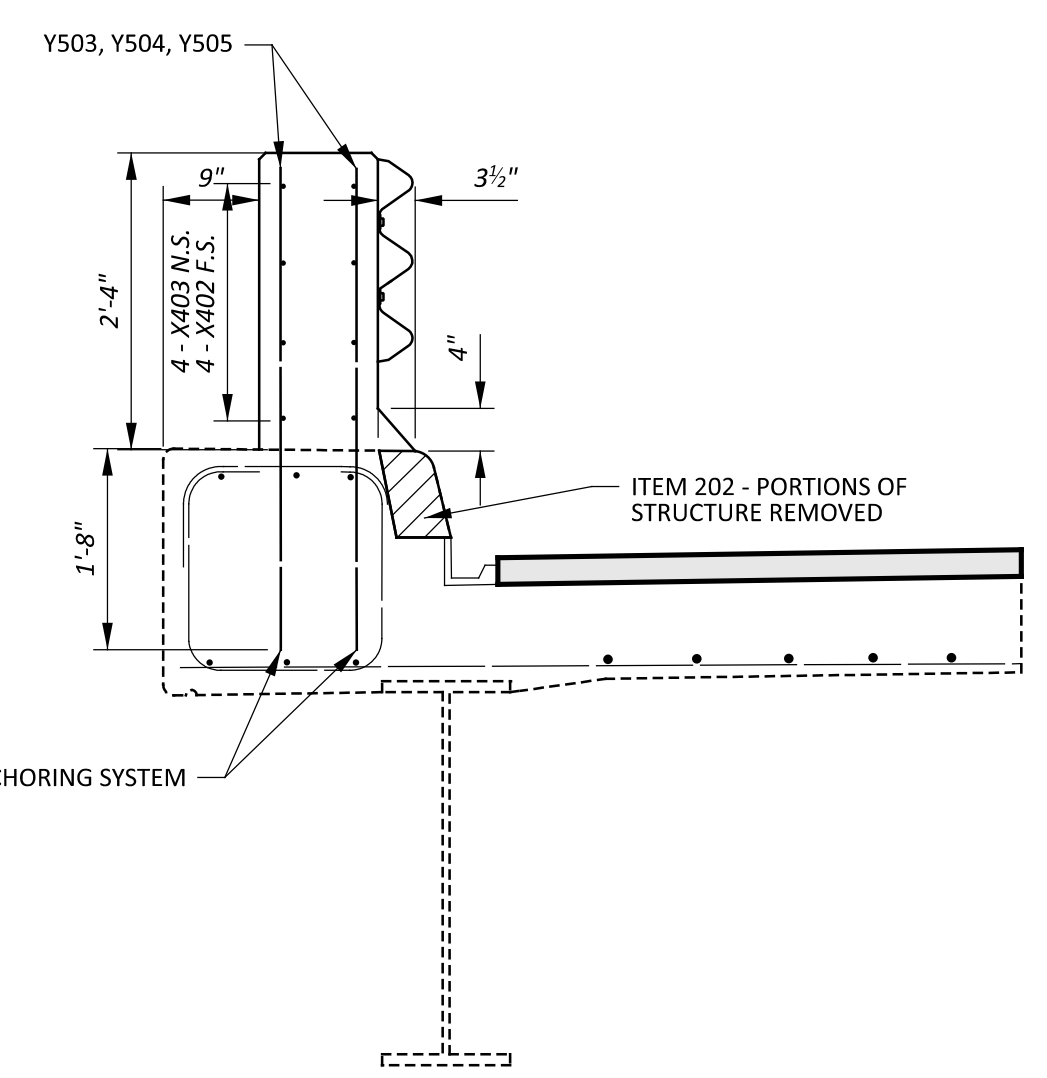
**PLAN VIEW - PROPOSED**  
 (APPLICABLE TO ALL 4 CORNERS OF BRIDGE)



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

**REINFORCEMENT FOR 26\"/>

BAR MARK	NUMBER			LENGTH	TYPE	MATERIAL	WEIGHT LB	TOTAL LENGTH FT
	LT	RT	TOTAL					
X401	16	16	32	10'-0"	STR	GFRP	214	320
X402	8	8	16	6'-4"	BENT	GFRP	68	102
X403	8	8	16	5'-1"	STR	GFRP	55	83
X404	136	136	272	VAR	STR	GFRP	1871	2800
Y502	246	246	492	7'-7"	BENT	STEEL	3378	3238
Y503	10	10	20	A + 1'-6"	STR	STEEL	84	80
Y504	10	10	20	A + 1'-5"	STR	STEEL	82	78
Y505	8	8	16	A + 1'-4"	STR	STEEL	56	53
SUPERST. SUBTOTAL CARRIED TO ESTIMATED QUANTITIES							5808	

