

STATE OF ILLINOIS 06-11-2021 LETTING ITEM 164
 DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	1
		ILLINOIS	CONTRACT NO. 66H91	

INDEX OF SHEETS

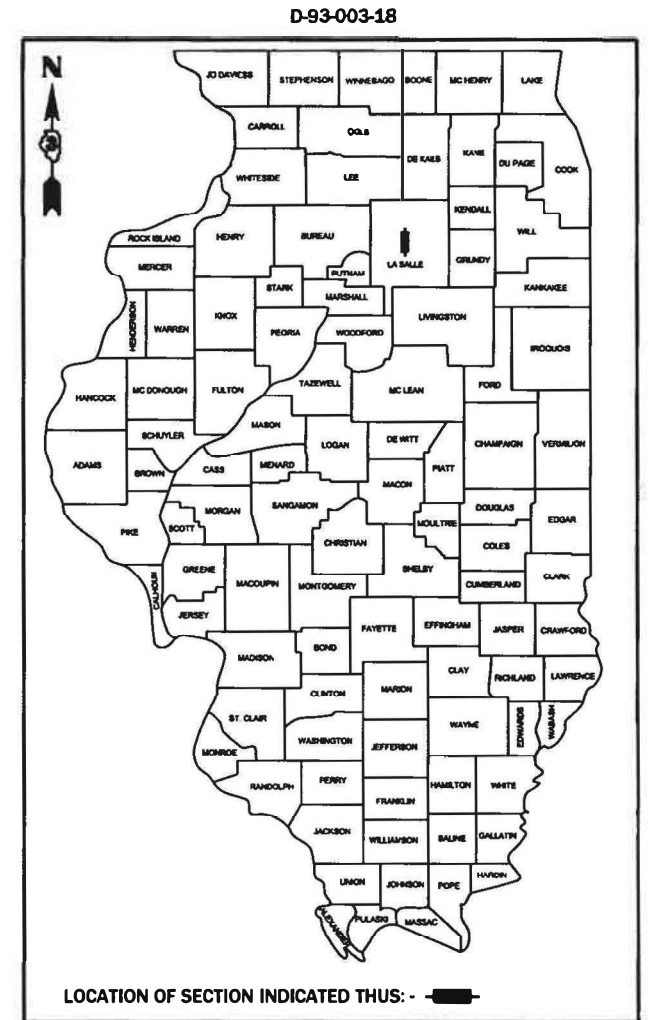
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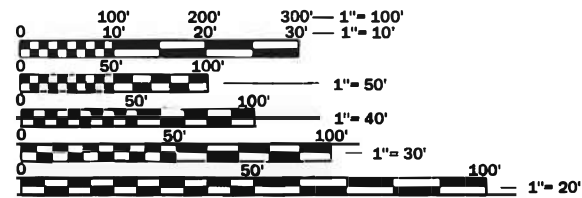
- 000001 08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001 09 PAVEMENT JOINTS
- 606001 07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001 02 OFF ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006 05 OFF ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701201 05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701206 05 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS \geq 45 MPH
- 701301 04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311 03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701306 04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701901 08 TRAFFIC CONTROL DEVICES
- 704001 08 TEMPORARY CONCRETE BARRIER
- 781001 04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006 01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

PROPOSED HIGHWAY PLANS

F.A.S. ROUTE 1279 (IL 178)
 SECTION (108BR)BRR
 PROJECT STP-ZMS9(499)
 BRIDGE REPAIRS
 LASALLE COUNTY
 C-93-029-18



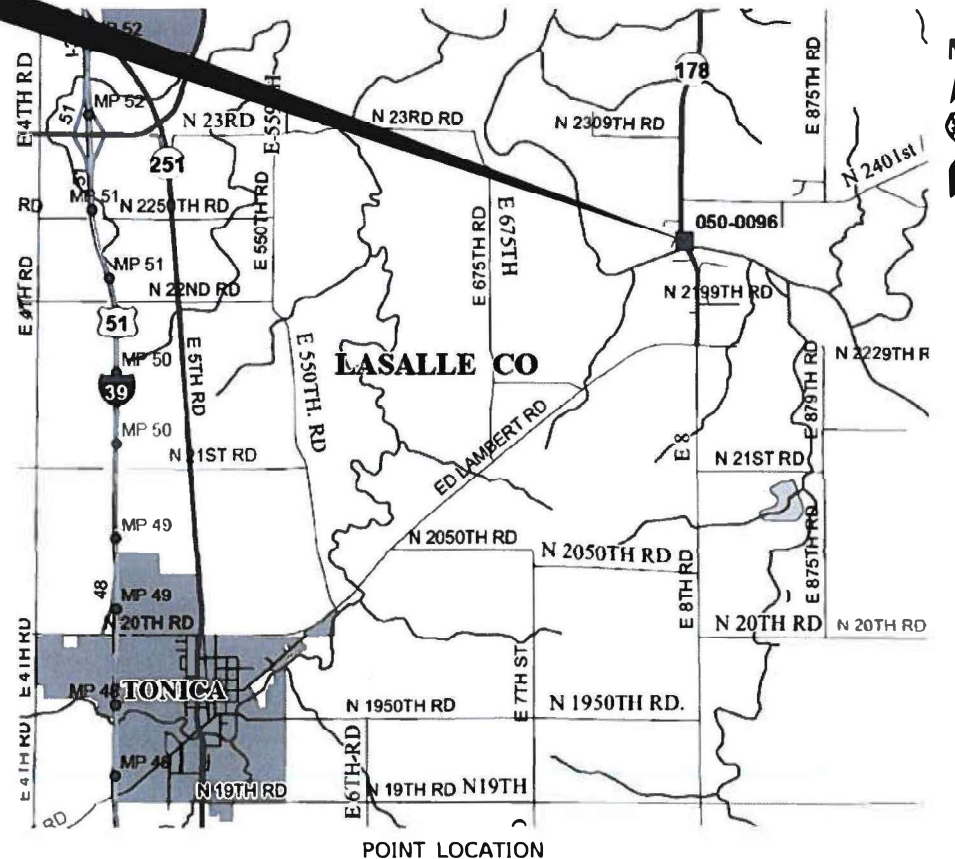
PROJECT LOCATION
 STRUCTURE NO. 050-0096
 STA. 196+85.48
 CARRYING F.A.S. ROUTE 1279 (IL 178)
 OVER THE VERMILION RIVER,



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER JOE KANNEL P.E.
 UNIT CHIEF RON WOODSHANK
 DISTRICT 3 NO. (815) 434-6131
 CONTRACT NO. 66H91



FUNCTIONAL CLASSIFICATION
 RURAL
 MAJOR COLLECTOR
 F.A.S. ROUTE 1279 (IL 178)
 2019 ADT = 1750
 P.V. 81.1% S.U. 8.0% M.U. 10.9%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SUBMITTED *October 15, 2020*
[Signature]
 REGIONAL ENGINEER
 December 4, 2020
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT
 December 4, 2020
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

"NO TREES" BIGGER THAN 3" DIA. SHALL BE REMOVED BETWEEN, APRIL 1 AND OCTOBER 14.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

HMA MIXTURE REQUIREMENT TABLE	
LOCATION(S):	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE
BINDER GRADE (PG):	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	N/A
DENSITY TEST METHOD:	CORES

COMMITMENTS

THE ENGINEER SHALL SUBMIT THE "AS-BUILT" DECK SLAB REPAIR PLAN SHEET TO THE DEPARTMENTS BUREAU OF BRIDGES AND STRUCTURES IN SPRINGFIELD. CONTRACT PERSON IS VICTOR VELIZ PHONE (217)782-2708.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

RESIDENT ENGINEER / TECHNICIAN

DATE: _____

START & END DATES
OF CONSTRUCTION: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

INSPECTORS: _____

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED - 4/13/2021 RW
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	PLOT DATE = 4/13/2021	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	2
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				CONTRACT MAINTENANCE
				80%/20%
				BRIDGE
				0059
				S.N. 050-0096
20400800	FURNISHED EXCAVATION	CU YD	8	8
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	31	31
35400540	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 14"	SQ YD	27	27
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	104	104
40600990	TEMPORARY RAMP	SQ YD	56	56
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	63	63
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	282	282
44213204	TIE BARS 3/4"	EACH	94	94
50102400	CONCRETE REMOVAL	CU YD	8.8	8.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	8.8	8.8
50300260	BRIDGE DECK GROOVING	SQ YD	1437	1437
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1420	1420
50800515	BAR SPLICERS	EACH	32	32
52000110	PREFORMED JOINT STRIP SEAL	FOOT	135	135

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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	3
			CONTRACT NO. 66H91	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				CONTRACT MAINTENANCE
				80%/20%
				BRIDGE
				0059
				S.N. 050-0096
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	5	5
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	282	282
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	625	625
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	625	625
70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	2
70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	2
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3218	3218

* = SPECIALTY ITEM

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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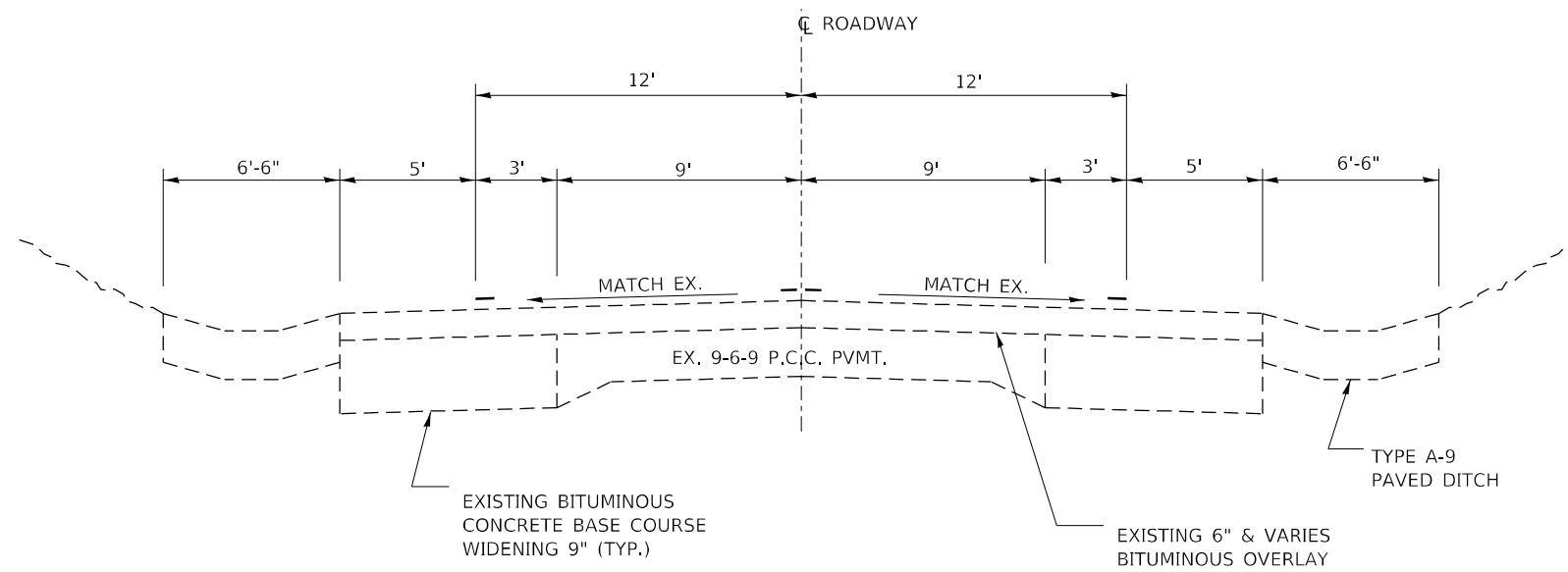
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE	BRIDGE
				80%/20%	
					0059
					S.N. 050-0096
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	24		24
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	17		17
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	10		10
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	3		3
X0322939	RELOCATE EXISTING FLARED END SECTION	EACH	1		1
X0323391	STEEL BRIDGE RAIL POSTS	EACH	10		10
X0325748	ACRYLIC COATING	SQ YD	216		216
X0325749	FIBER WRAP	SQ FT	140		140
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	10		10
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	17		17
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	550		550
X1700083	APPROACH SLAB LATEX CONCRETE OVERLAY, VARIABLE DEPTH	SQ YD	72		72
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	597		597
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	27		27

*= SPECIALTY ITEM

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -		SCALE:	SHEET 3 OF 4 SHEETS	STA.	TO STA.					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 80%/20%	
				BRIDGE	
				0059	
				S.N. 050-0096	
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	8620	8620	
X6023840	REMOVE AND RELOCATE INLETS	EACH	1	1	
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1360	1360	
Z0010615	CLEANING EXISTING INLETS	EACH	6	6	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1360	1360	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	570	570	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10	10	
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	4	4	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	180	180	
Z0041895	POLYMER CONCRETE	CU FT	6	6	
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	9.1	9.1	

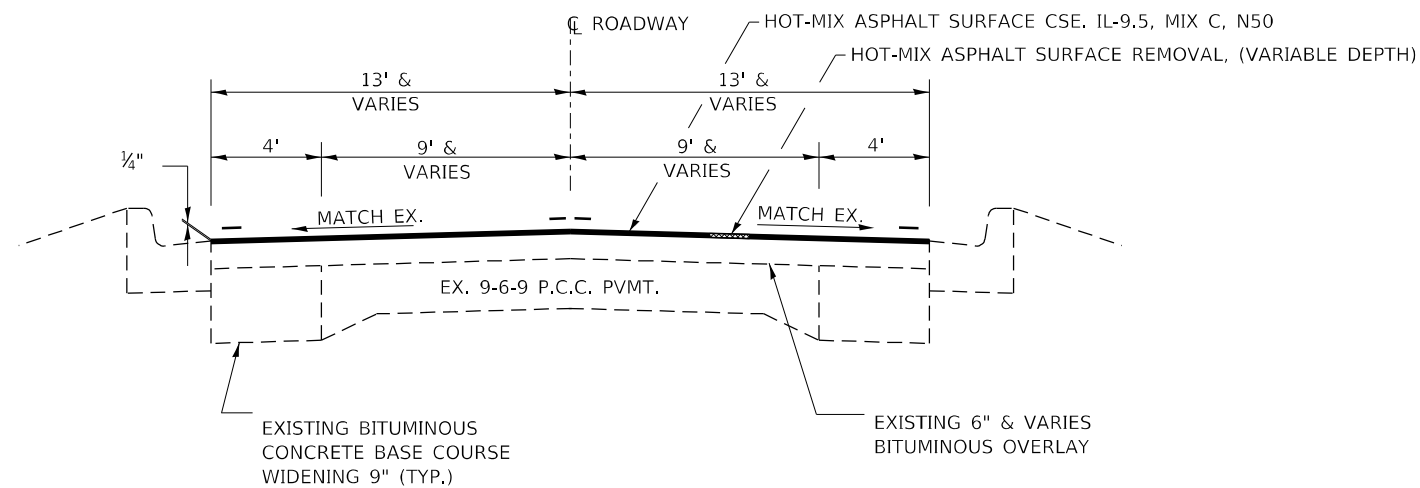
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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -		ILLINOIS FED. AID PROJECT								



TYPICAL SECTION NORTH END

IL 178

STA. 193+80 TO STA. 194+70



TYPICAL SECTION SOUTH END

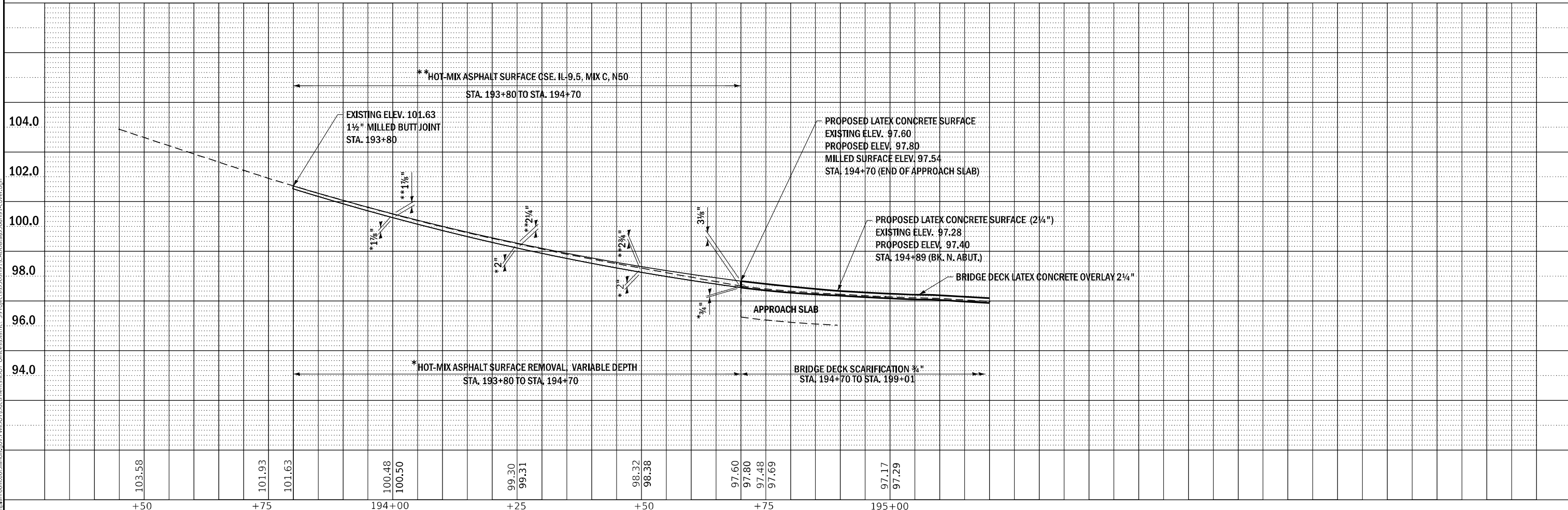
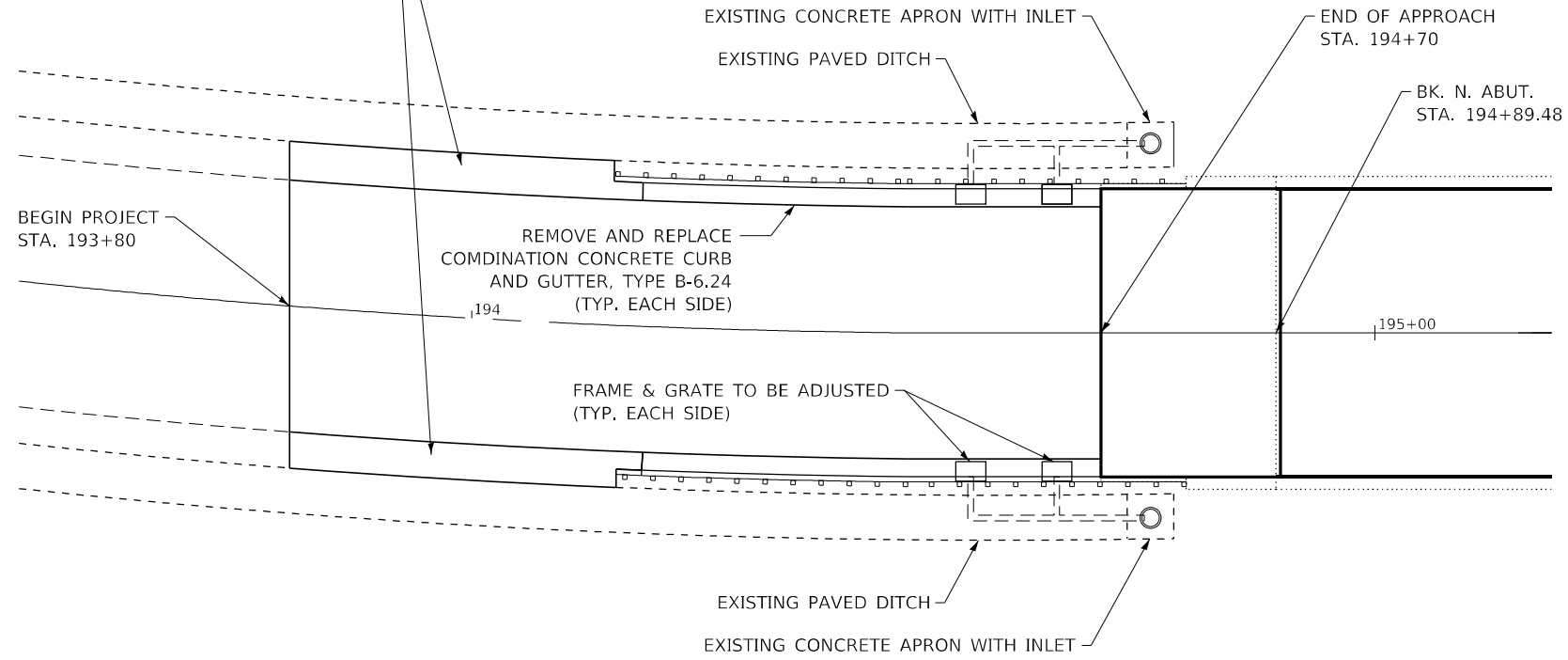
IL 178

STA. 199+01 TO STA. 199+91

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL ROADWAY SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -					ILLINOIS FED. AID PROJECT				

B.M. #1: TOP OF NW CORNER BRIDGE RAIL ASSUMED ELEVATION 100.00 TO ESTABLISH PAVEMENT GRADES.

EXISTING HOT-MIX ASPHALT SHOULDERS SHALL BE MILLED AND RESURFACED WITH THE MAINLINE PAVEMENT.
 COST OF MILLING THE EXISTING SHOULDERS SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH".
 COST OF RESURFACING THE SHOULDERS SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE CSE., IL-9.5, MIX C, N50"



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

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PLOT DATE = 10/15/2020	CHECKED - EM	REVISED -
	DATE - 6/11/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE NORTH APPROACH	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	8
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				

SCHEDULE - PAVEMENT MARKING

LOCATION				PAVEMENT MARKING WATER BLASTING SQ. FT.	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	POLYUREA PAVEMENT MARKING LINE 4" FOOT		RAISED REFLECTIVE PAVEMENT MARKER EACH
STA.	TO	STA.	LT/RT/CENTER			YELLOW	WHITE	BIDIRECTIONAL AMBER
192+75	TO	199+76	LT	231			701	
191+68	TO	201+25	CENTER	120	3	1914		24
193+75	TO	199+78	RT.	199			603	
SUBTOTAL						1914	1304	
TOTAL				550	3	3218		24

SCHEDULE - TRAFFIC CONTROL

LOCATION	TEMPORARY INFORMATION SIGNING SQ. FT.	TRAFFIC CONTROL AND PROTECTION STANDARD 701201 EACH	TRAFFIC CONTROL AND PROTECTION STANDARD 701206 EACH	TRAFFIC CONTROL AND PROTECTION STANDARD 701306 EACH	TRAFFIC CONTROL AND PROTECTION STANDARD 701321 EACH	TEMPORARY BRIDGE TRAFFIC SIGNALS EACH
PROJECT	42	1	1	1	42	1
TOTAL	42	1	1	1	42	1

SCHEDULE - TRAFFIC CONTROL (CONT'D)

LOCATION	TEMPORARY RUMBLE STRIPS EACH	TEMPORARY CONCRETE BARRIER FOOT	RELOCATE TEMPORARY CONCRETE BARRIER FOOT	IMPACT ATTENUATORS, TEMPORARY TEST LEVEL 3 EACH	IMPACT ATTENUATORS, RELOCATE TEST LEVEL 3 EACH
PROJECT	8	625	625	2	2
TOTAL	8	625	625	2	2

SCHEDULE - PAVEMENT RESURFACING

LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE CSE. IL 9.5 MIX C N50	LONGITUDINAL JOINT SEALANT	TEMPORARY RAMP
	SQ. YD.	POUND	FOOT	FOOT	SQ YD
NORTH END	315	142	33	90	28
SOUTH END	282	127	30	90	28
TOTAL	597	269	63	180	56

SCHEDULE - MAINLINE PAVEMENT

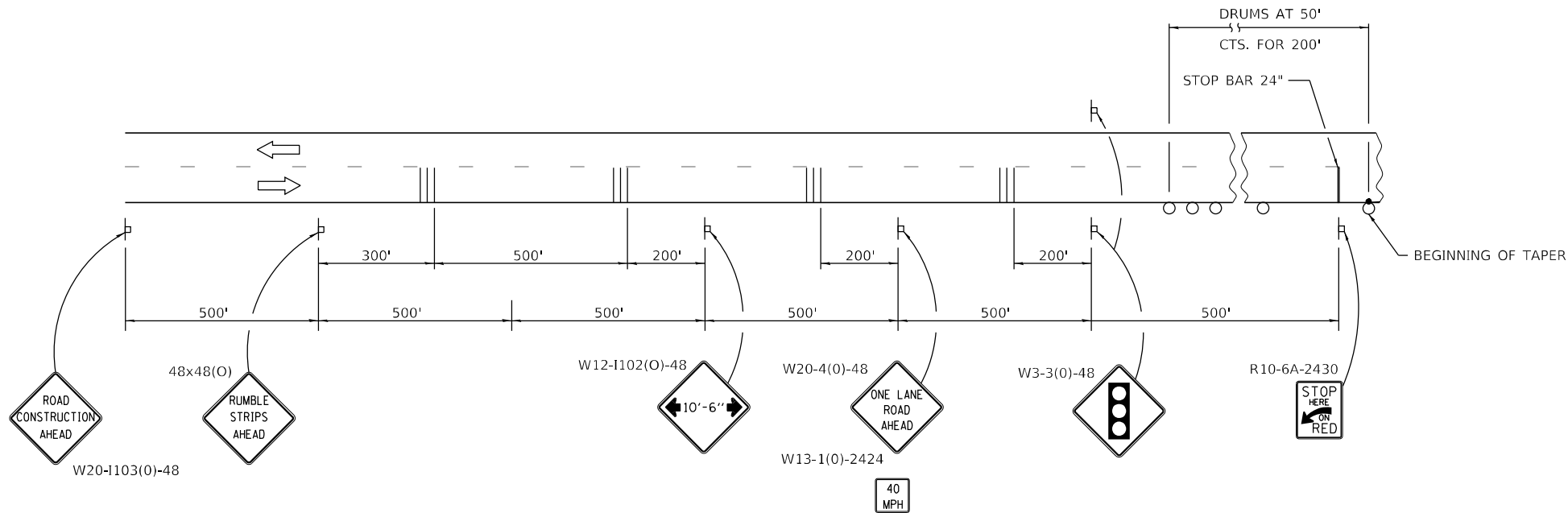
LOCATION	COMBINATION CONCRETE CURB AND GUTTER REMOVAL			SUBBASE GRANULAR MATERIAL TYPE B, 4"	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24		PAVEMENT REMOVAL (SPECIAL)	PORTLAND CEMENT CONCRETE BASE CSE. WIDENING 14"	TIE BAR 3/4"	
	STA.	TO	STA.	LT/RT	FOOT	SQ YD	FOOT	SQ. YD.	SQ. YD.	EACH
194+19	TO	194+70	LT		51	6	51			17
194+19	TO	194+70	RT		51	6	51			17
199+01	TO	199+91	LT		90	10	90			30
199+01	TO	199+91	RT		90	10	90	27	27	40
TOTAL					282	31	282	27	27	104

SCHEDULE - DRAINAGE

LOCATION	CLEANING EXISTING INLETS			REMOVE AND RELOCATE INLETS	RELOCATE EXISTING FLARED END SECTION	FRAME AND GRATE TO BE ADJUSTED	FURNISHED EXCAVATION		
	STA.	TO	STA.	LT/RT	EACH	EACH	EACH	EACH	CU. YD.
194+65				LT	1			1	
194+65				RT	1			1	
194+50				LT	1			1	
194+50				RT	1			1	
199+06				LT	1			1	
199+06				RT	1	1	1		
199+01	TO	199+61		RT					8
TOTAL					6	1	1	5	8

SCHEDULES - REFLECTORS

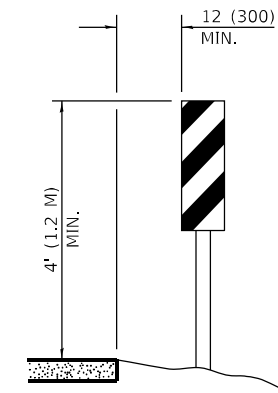
LOCATION	GUARDRAIL REFLECTORS TYPE A	LINEAR DELINEATOR PANELS 4 INCH
	EACH	EACH
PROJECT	17	17
TOTAL	17	17



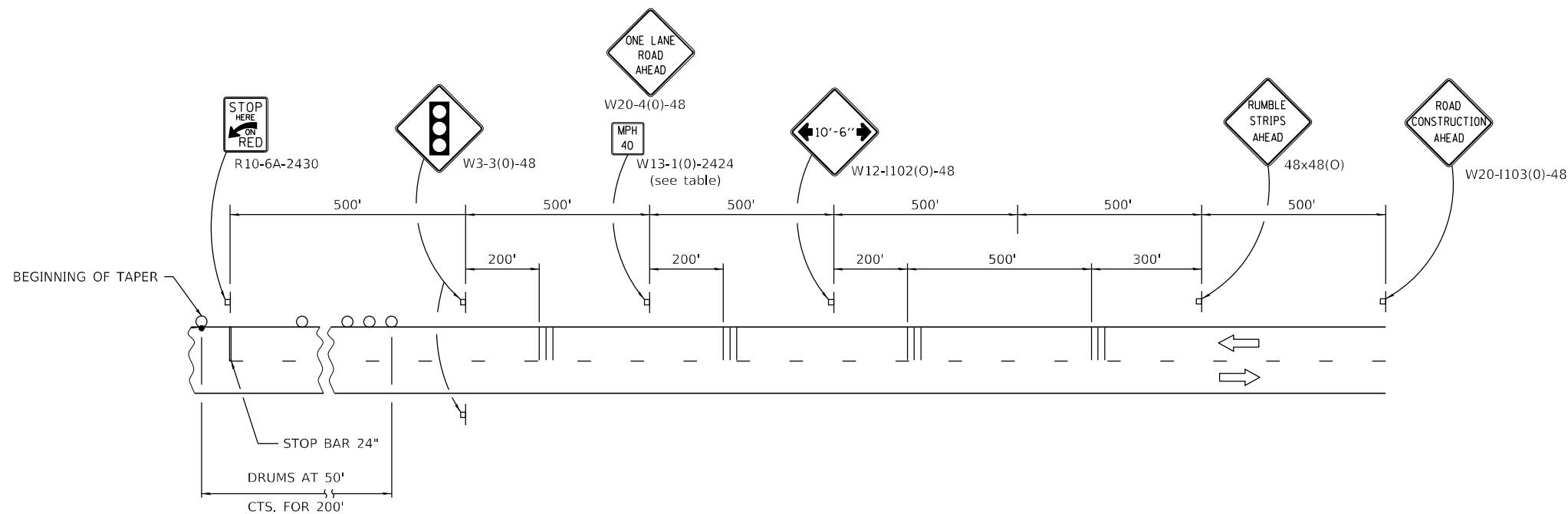
TRAFFIC SIGNAL SEQUENCE						
PHASE	A			B		
INTERVAL	1	2	3	4	5	6
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	R
SOUTHBOUND OR WESTBOUND	R	R	R	G	Y	R

TEMPORARY CONCRETE BARRIER	
NORMAL POSTED SPEED	TAPER RATIO
40 mph AND ABOVE	12:1
BELOW 40 mph	8:1

ADVISORY SPEED LIMIT	
NORMAL POSTED SPEED	ADVISORY SPEED
55 - 45 mph	40 mph
40 mph	35 mph
35 - 30 mph	30 mph



VERTICAL PANELS
(POST MOUNTED, ONE EACH SIDE)



GENERAL NOTES

THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCOACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

TRAFFIC SIGNALS SHALL BE OPERATIONAL ONLY WHEN ALL TRAFFIC CONTROLS ARE IN PLACE. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701201 OR 701206.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

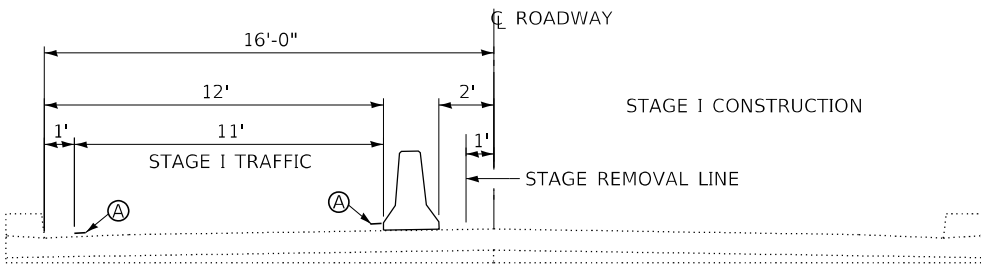
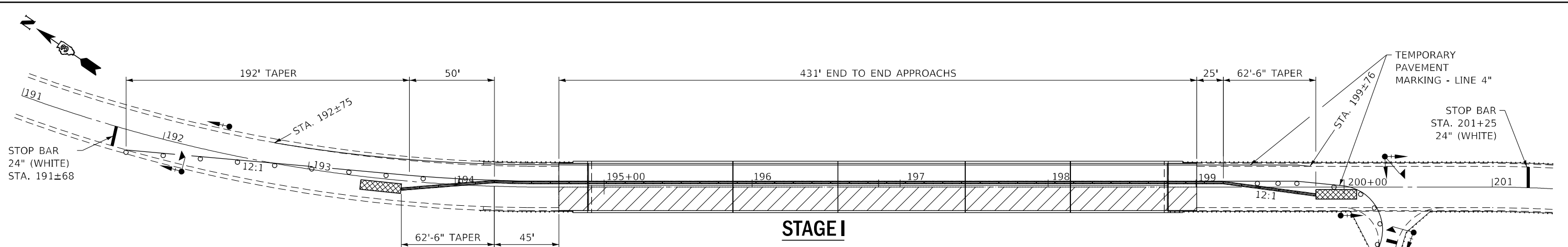
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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

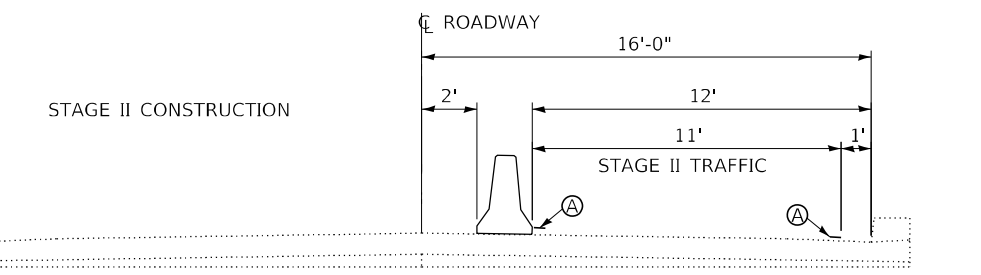
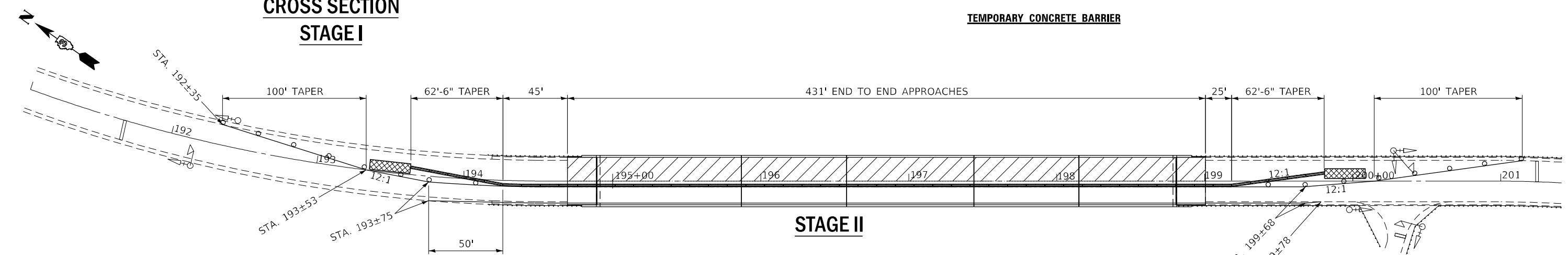
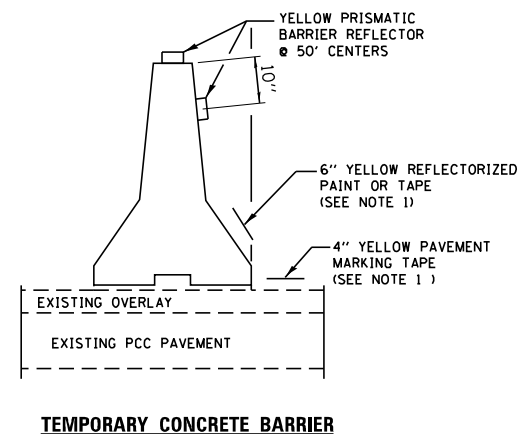
TRAFFIC CONTROL AND PROTECTION, STANDARD 701321

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	12
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				



**CROSS SECTION
STAGE I**



**CROSS SECTION
STAGE II**

- SYMBOLS**
- WORK AREA
 - SIGN
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - SEVER USE NARROW IMPACT ATTENUATOR
 - DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
 - DRUM
 - TEMPORARY CONCRETE BARRIER
 - CRYSTAL, BI-DIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
 - TRAFFIC SIGNAL W/BACKPLATE; STAGE I INSTALL
 - TRAFFIC SIGNAL W/BACKPLATE AND MICROWAVE DETECTOR STAGE I INSTALL
 - TRAFFIC SIGNAL W/BACKPLATE
 - TRAFFIC SIGNAL W/BACKPLATE AND MICROWAVE DETECTOR

GENERAL NOTES

THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

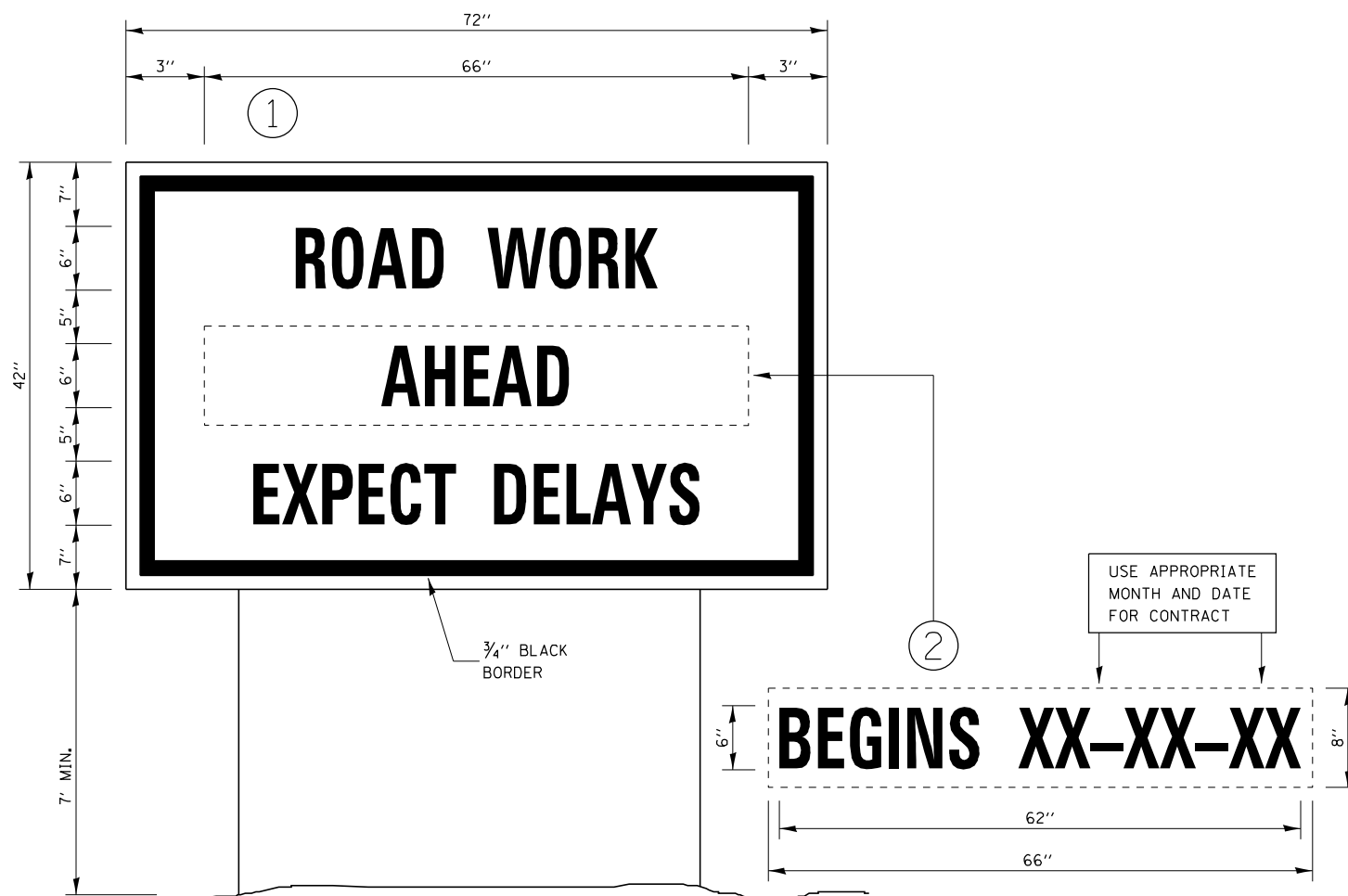
TRAFFIC SIGNALS SHALL BE OPERATIONAL ONLY WHEN ALL TRAFFIC CONTROLS ARE IN PLACE. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701201 OR 701206.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

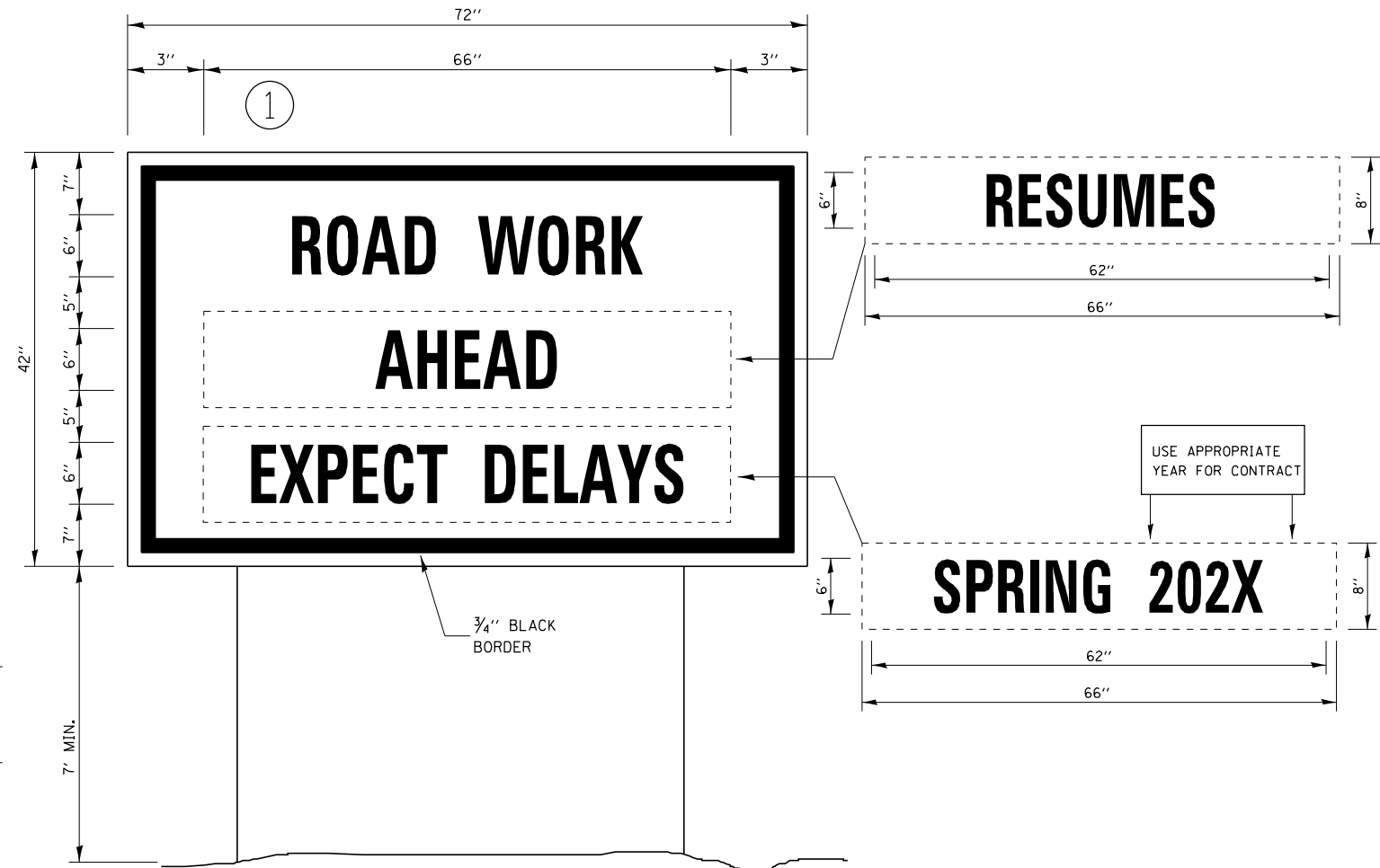
EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 3.9370"/mm	CHECKED - EM	REVISED -	CONTRACT NO. 66H91							
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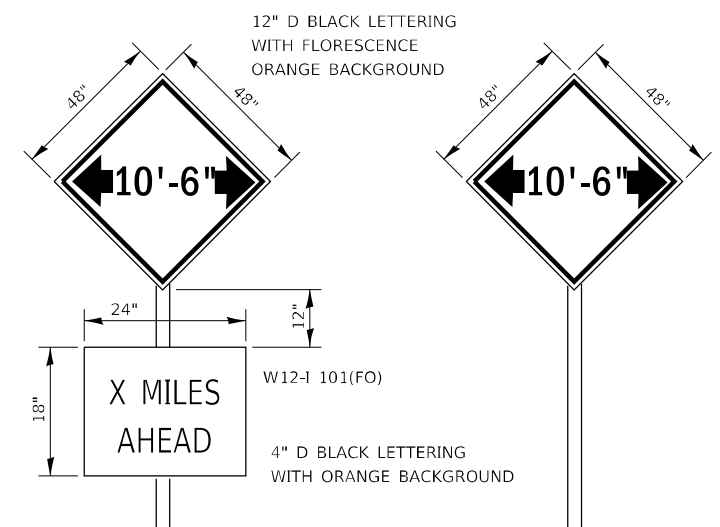
TEMPORARY INFORMATION SIGNING



WINTER SHUT DOWN SIGNING

NOTES:

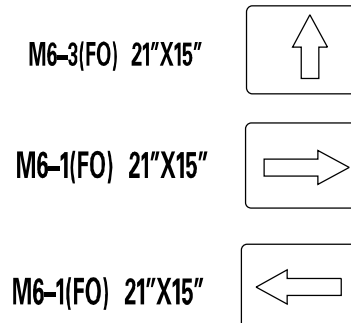
1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS



GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

CONCRETE SEALER SHALL BE APPLIED TO THE DESIGNATED AREAS OF THE NEW LATEX CONCRETE OVERLAY ON THE DECK AND APPROACH SURFACES.

ALL STRUCTURAL STEEL FOR EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO CLASSIFICATION M-270 GR 60.

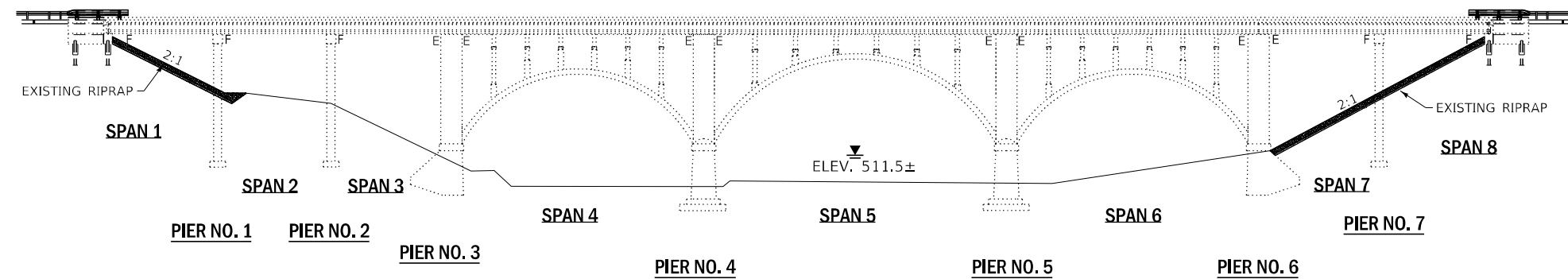
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

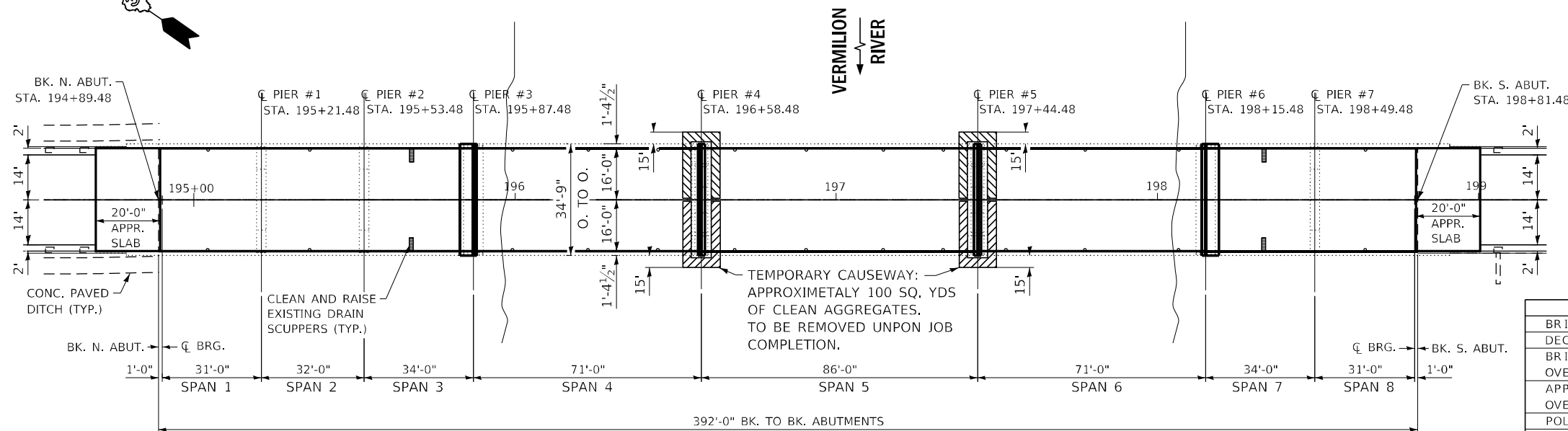
THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE PPC I-BEAM.

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

JOINT OPENING SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50 DEGREES F.



ELEVATION



**PLAN
STRUCTURE NO. 050-0096**

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
BRIDGE DECK SCARIFICATION 3/4"	SQ. YD.	1360		1360
DECK SLAB REPAIR (FULL DEPTH)	SQ. YD.	10		10
BRIDGE DECK LATEX CONCRETE OVERLAY 2 1/4"	SQ. YD.	1360		1360
APPROACH SLAB LATEX CONCRETE OVERLAY, VARIABLE DEPTH	SQ. YD.	72		72
POLYMER CONCRETE	CU. FT.	6		6
BRIDGE DECK GROOVING	SQ. YD.	1437		1437
BRIDGE DECK CONCRETE SEALER	SQ. FT.	8620		8620
CONCRETE REMOVAL	CU. YD.	8.8		8.8
CONCRETE SUPERSTRUCTURE	CU. YD.	8.8		8.8
REINFORCEMENT BARS, EPOXY COATED	POUND	1420		1420
PREFORMED JOINT STRIP SEAL	FOOT	135		135
BAR SPLICERS	EACH	32		32
PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ. FT.	9.1		9.1
FIBER WRAP	SQ. FT.	140		140
ACRYLIC COATING	SQ. YD.	216		216
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		570	570
STEEL BRIDGE RAIL POSTS	EACH	10		10
DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	4		4
LINEAR DELINEATOR PANELS, 6 INCH	EACH	10		10
BARRIER WALL REFLECTORS, TYPE B	EACH	10		10



Expires 11-30-2022

David Carl Puzey

04/26/2021

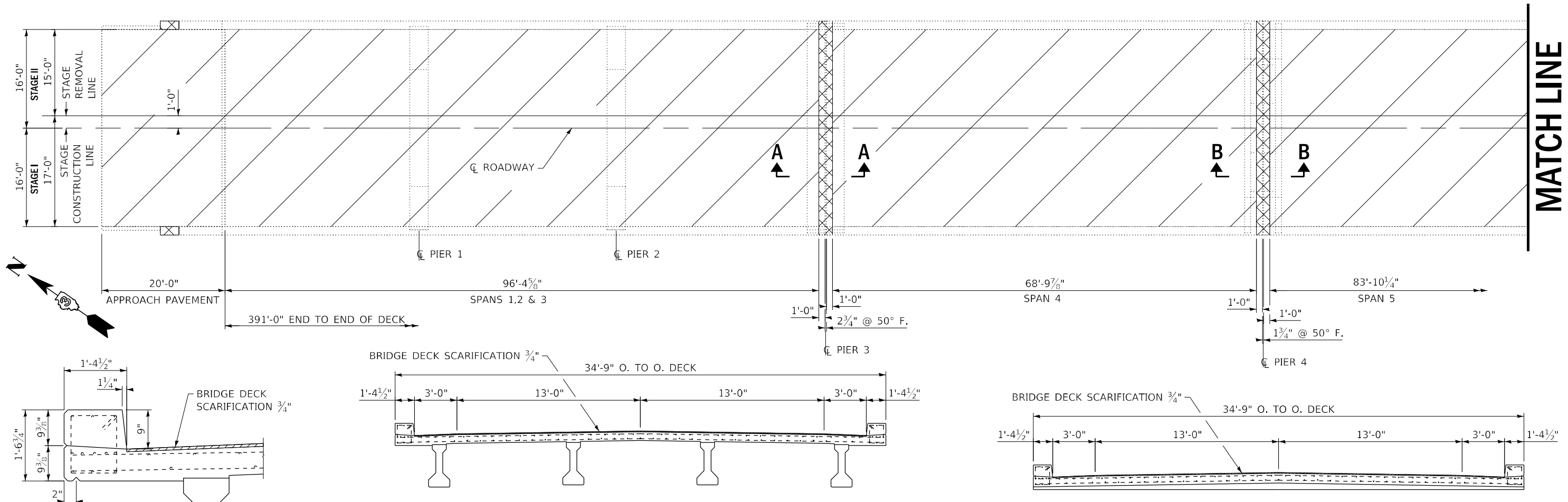
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	PLOT DATE = 4/13/2021	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

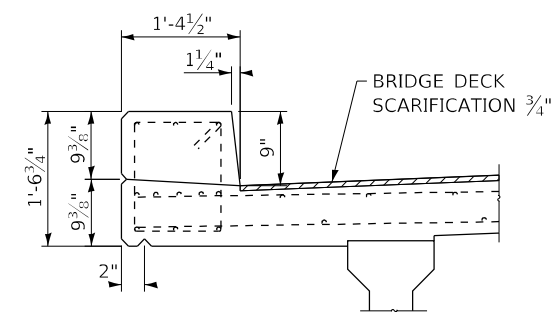
**GENERAL PLAN AND ELEVATION
STRUCTURE NO. 050-0096**

SCALE: SHEET 1 OF 24 SHEETS STA. 194+89.48 TO STA. 199+01.48

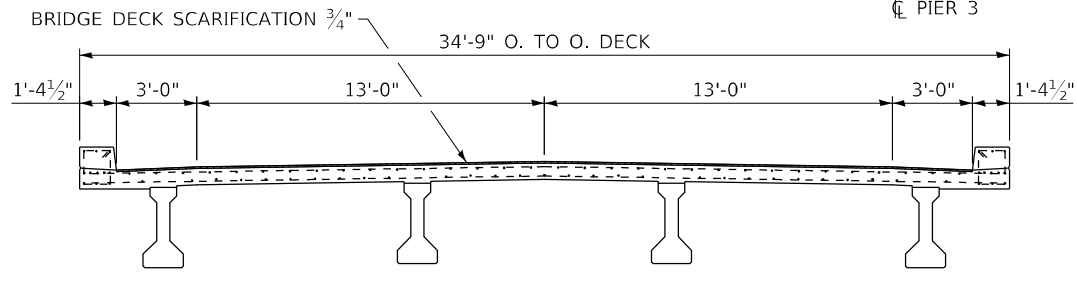
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	15
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				



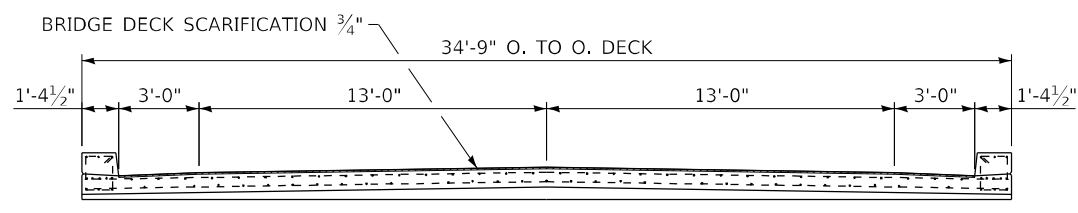
MATCH LINE



SECTION THRU CURB



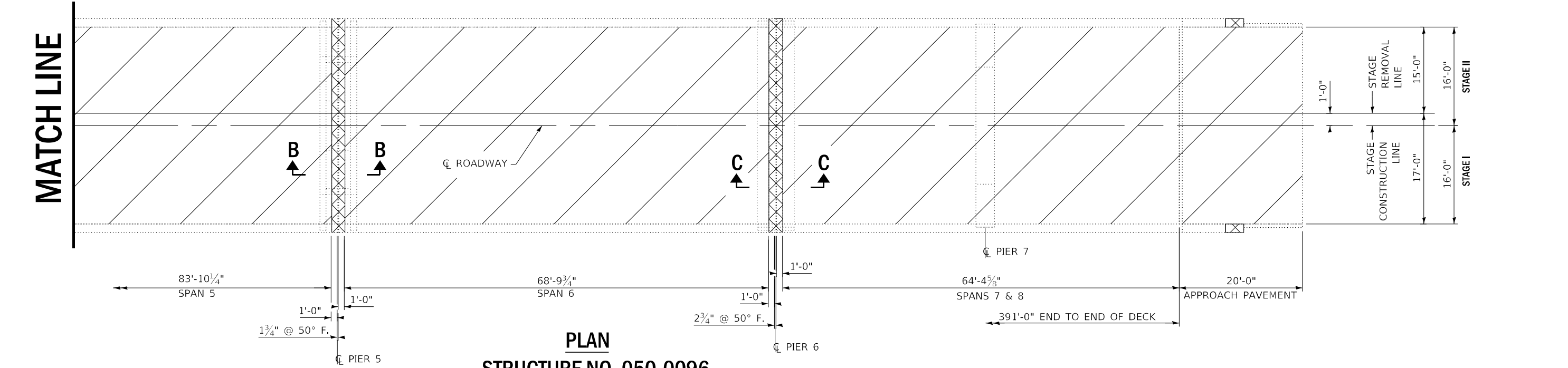
SPANS 1,2,3,7 & 8
EXISTING BRIDGE RAIL NOT SHOWN FOR CLARITY



SPANS 4,5 & 6
EXISTING BRIDGE RAIL NOT SHOWN FOR CLARITY

LEGEND

- CONCRETE REMOVAL
- BRIDGE DECK SCARIFICATION 3/4"



MATCH LINE

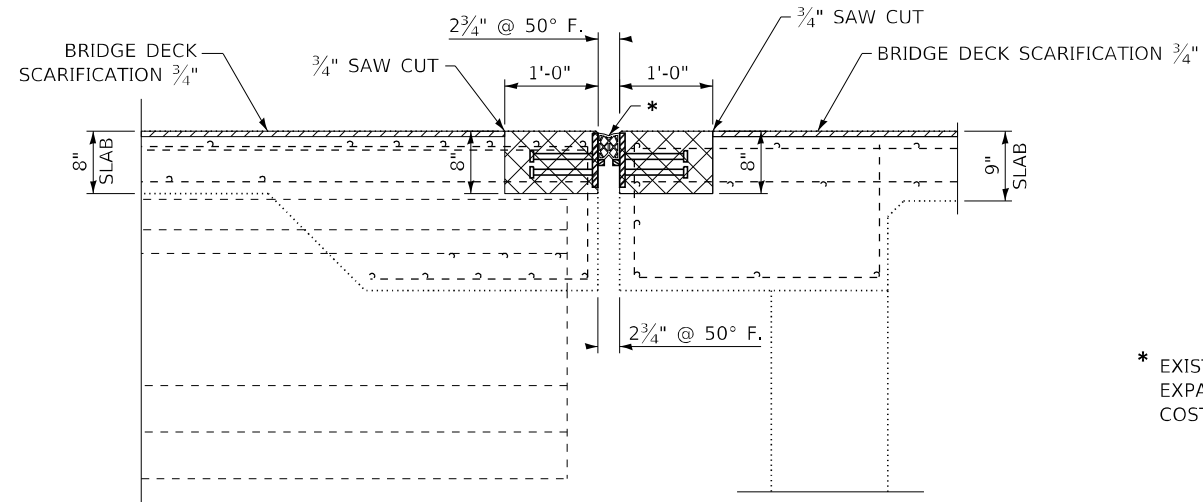
PLAN
STRUCTURE NO. 050-0096

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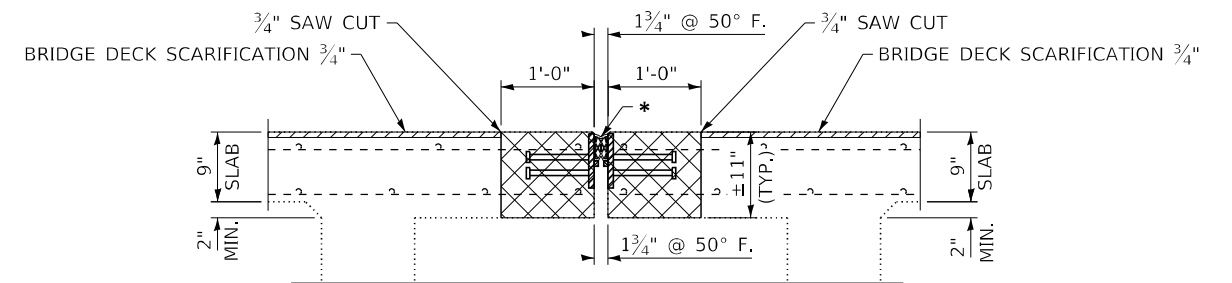
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REMOVAL DETAILS			
SCALE:	SHEET 2 OF 24 SHEETS	STA. 194+69.48	TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	16
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				



EXISTING SECTION A-A
PIER NO. 3

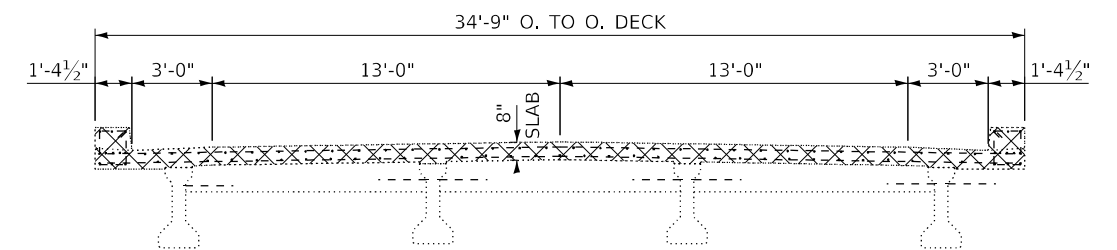


EXISTING SECTION B-B
PIER NO. 4 & 5

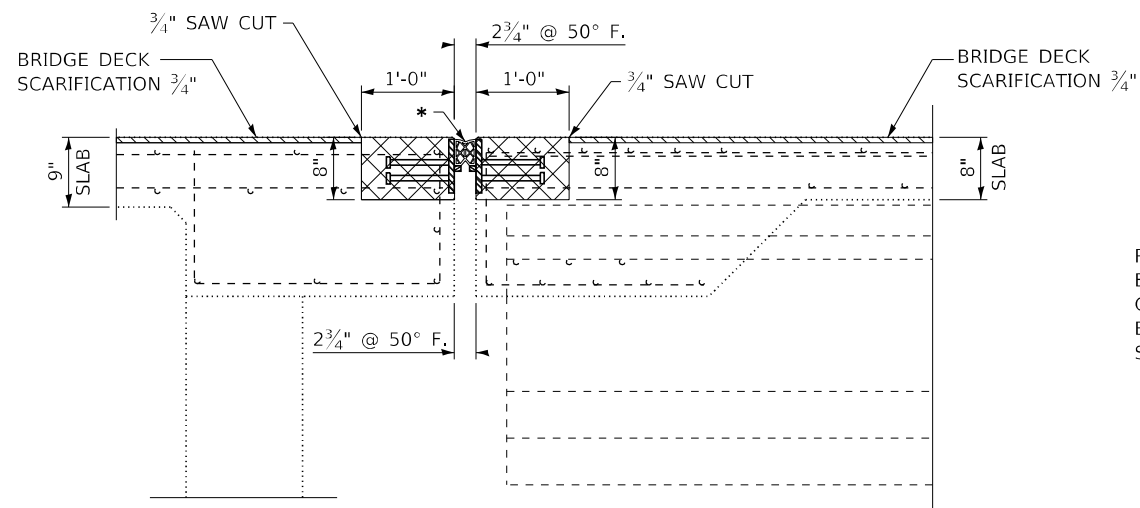
* EXISTING PREFORMED JOINT SEAL AND EXPANSION GUARD/ANCHORS TO BE REMOVED. COST INCLUDED WITH CONCRETE REMOVAL.

LEGEND

- CONCRETE REMOVAL
- BRIDGE DECK SCARIFICATION 3/4"

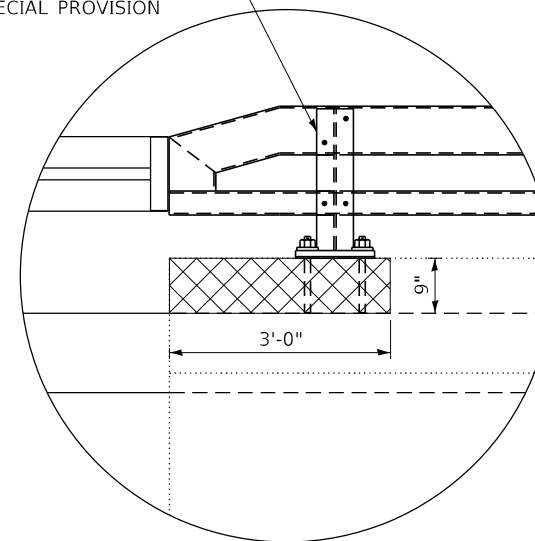


CROSS SECTIONS AT PIER NO. 3 AND 6
FOR SPAN 3 OR SPAN 7 ONLY

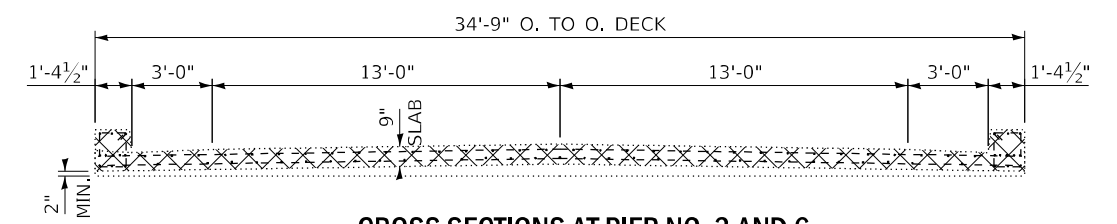


EXISTING SECTION C-C
PIER NO. 6

REMOVE AND REINSTALL BRIDGE RAIL POST COST INCLUDED IN "STEEL BRIDGE RAIL POSTS" SEE SPECIAL PROVISION



NE, NW, SE AND SW CORNER CURB



CROSS SECTIONS AT PIER NO. 3 AND 6
FOR SPAN 4 AND SPAN 6 ONLY

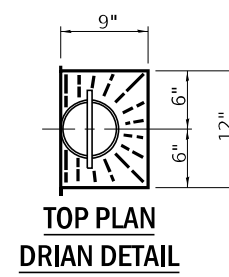
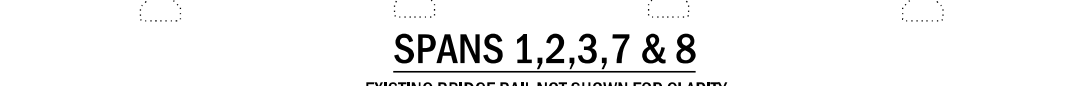
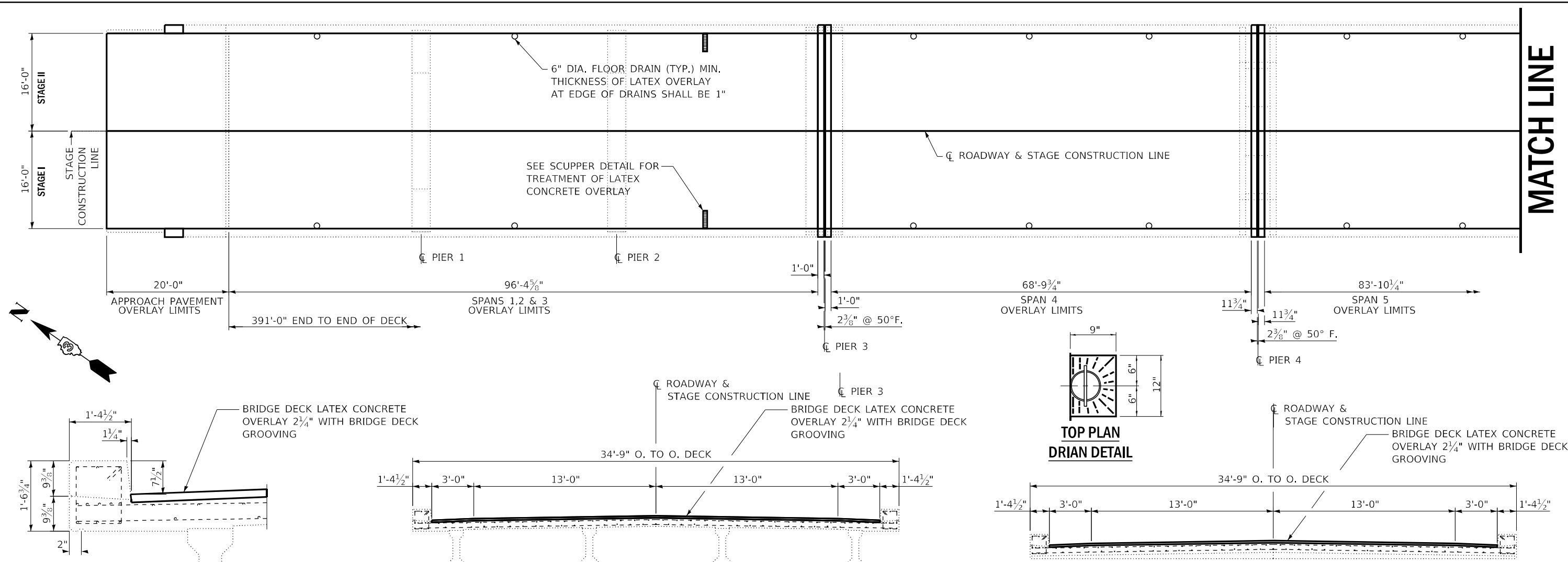
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	PLOT DATE = 10/20/2020	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS AT EXPANSION JOINTS

SCALE: SHEET 3 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

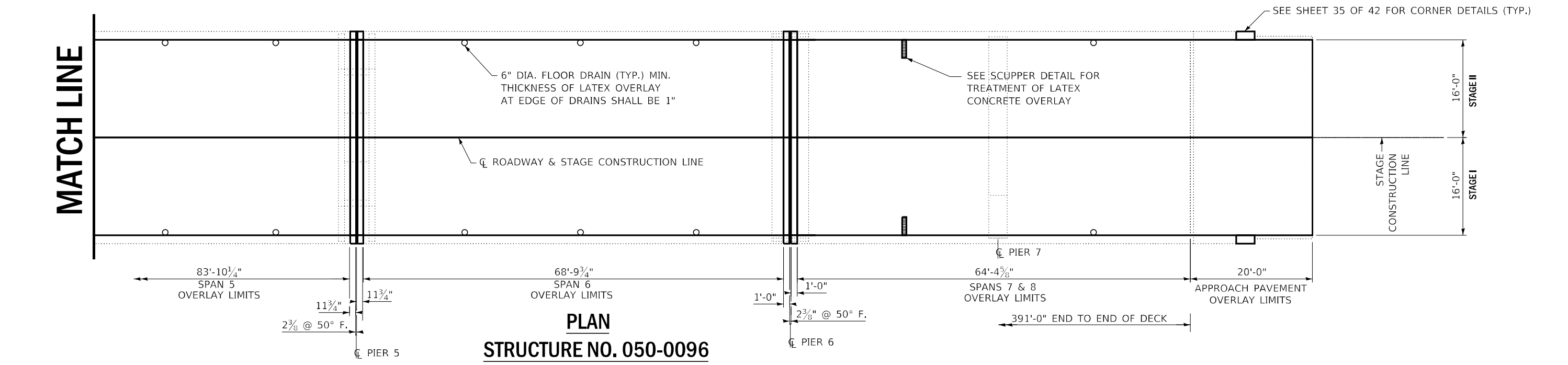
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	17
			CONTRACT NO. 66H91	
		ILLINOIS	FED. AID PROJECT	



SECTION THRU CURB

SPANS 1, 2, 3, 7 & 8
EXISTING BRIDGE RAIL NOT SHOWN FOR CLARITY

SPANS 4, 5 & 6
EXISTING BRIDGE RAIL NOT SHOWN FOR CLARITY



PLAN
STRUCTURE NO. 050-0096

FILE NAME =	USER NAME = WOODSHANKRL	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN DETAILS FOR BRIDGE DECK LATEX CONCRETE OVERLAY			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dot\illinois.gov\PWDOT\Documents\IDOT\Offices\District 3\Projects\D366H91\CADData\D366H91-cover.dwg	DRAWN - RW	REVISED -	1279					(108BR)BRR	LASALLE	45	18	
Default	PLOT SCALE = 100,0000' / in.	CHECKED - EM	REVISED -					CONTRACT NO. 66H91				
	PLOT DATE = 10/20/2020	DATE - 5/28/2020	REVISED -					SCALE:	SHEET 4 OF 24 SHEETS	STA. 194+69.48 TO STA. 199+01.48	ILLINOIS FED. AID PROJECT	

GENERAL NOTES

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION M-270 GR. 36.

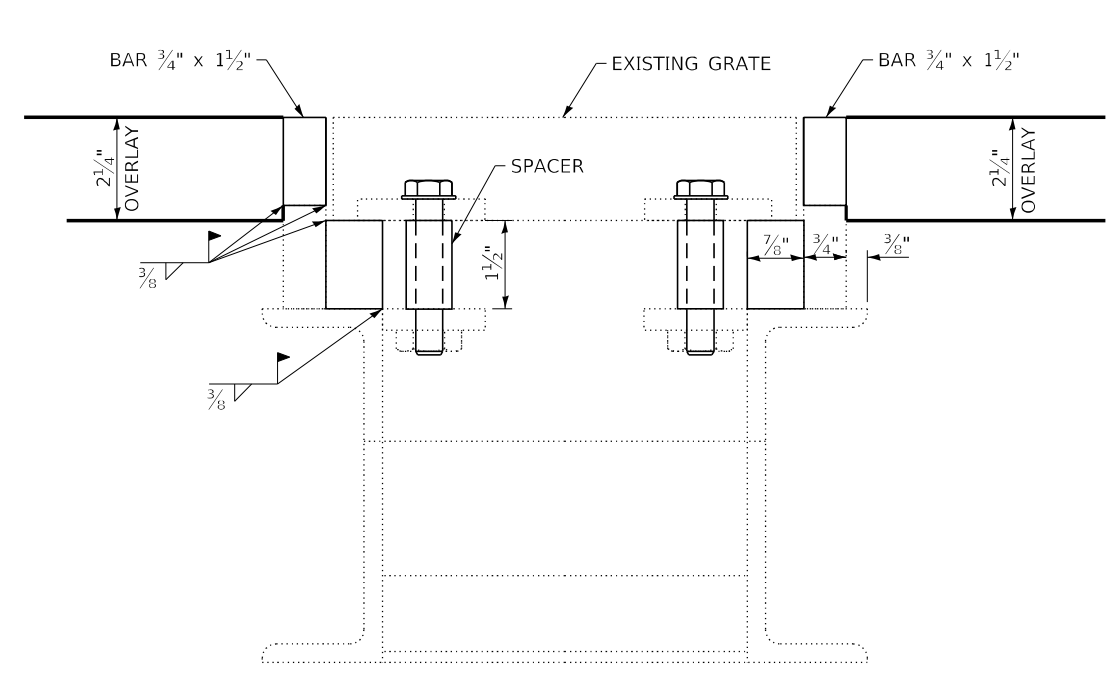
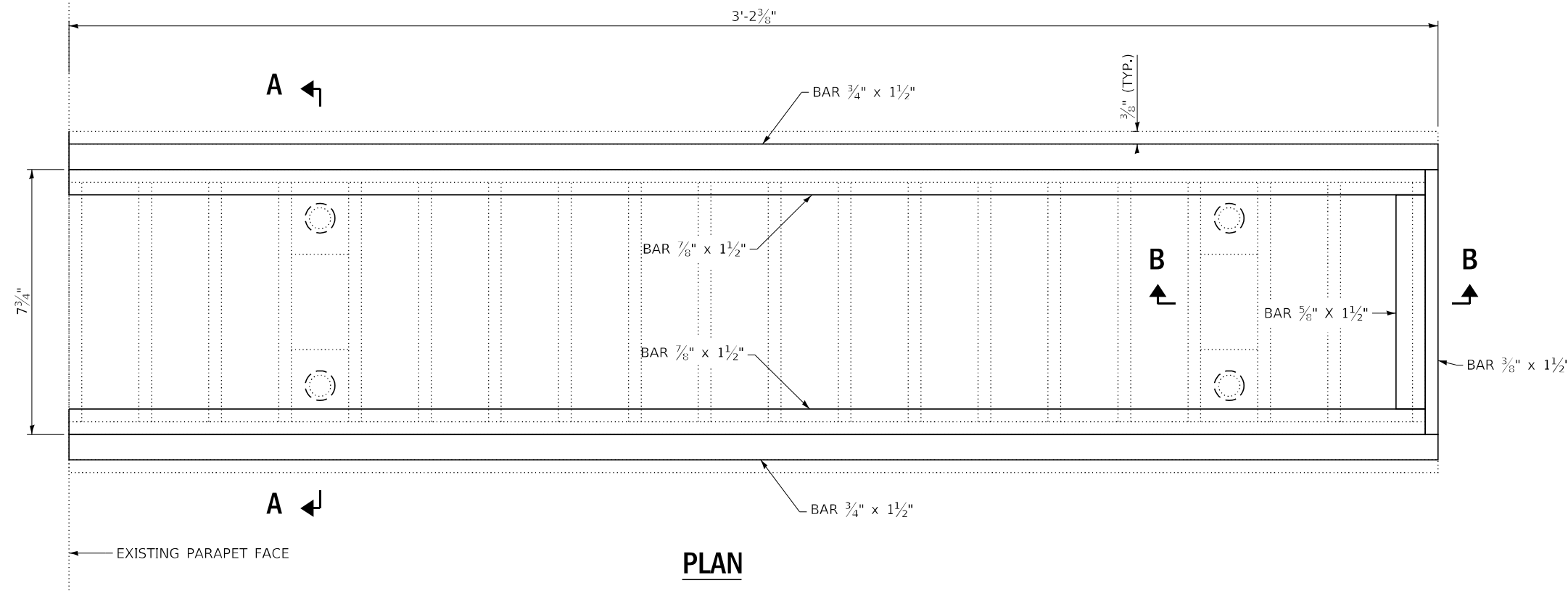
BOLTS SHALL BE 1/2" DIA., AASHTO M164 TYPE I, MECHANICALLY GALVANIZED.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

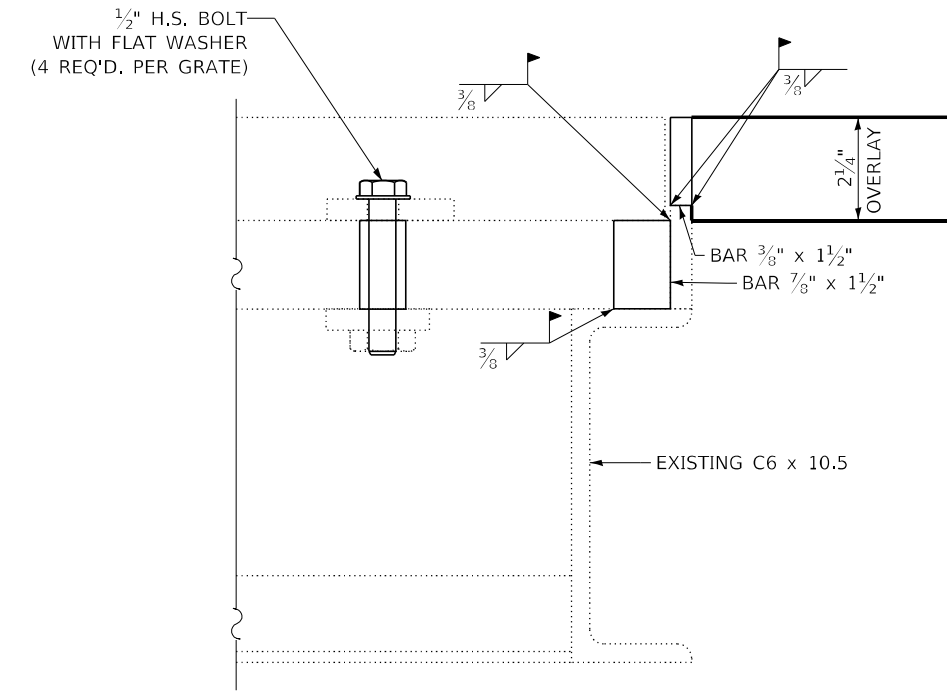
THE CONTRACTOR SHALL ENSURE THAT NO DAMAGE IS DONE TO EXISTING GRATES TO BE REUSED.

SHOP PLANS FOR PROPOSED ADJUSTING SCUPPER RING SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.

COST OF ALL LABOR AND MATERIALS NECESSARY TO REMOVE EXISTING GRATES, CLEAN SCUPPERS, INSTALL ADJUSTING SCUPPER RINGS AND REINSTALLING GRATES IS INCLUDED IN THE COST PER UNIT EACH FOR DRAINAGE SCUPPERS TO BE ADJUSTED.



SECTION A-A



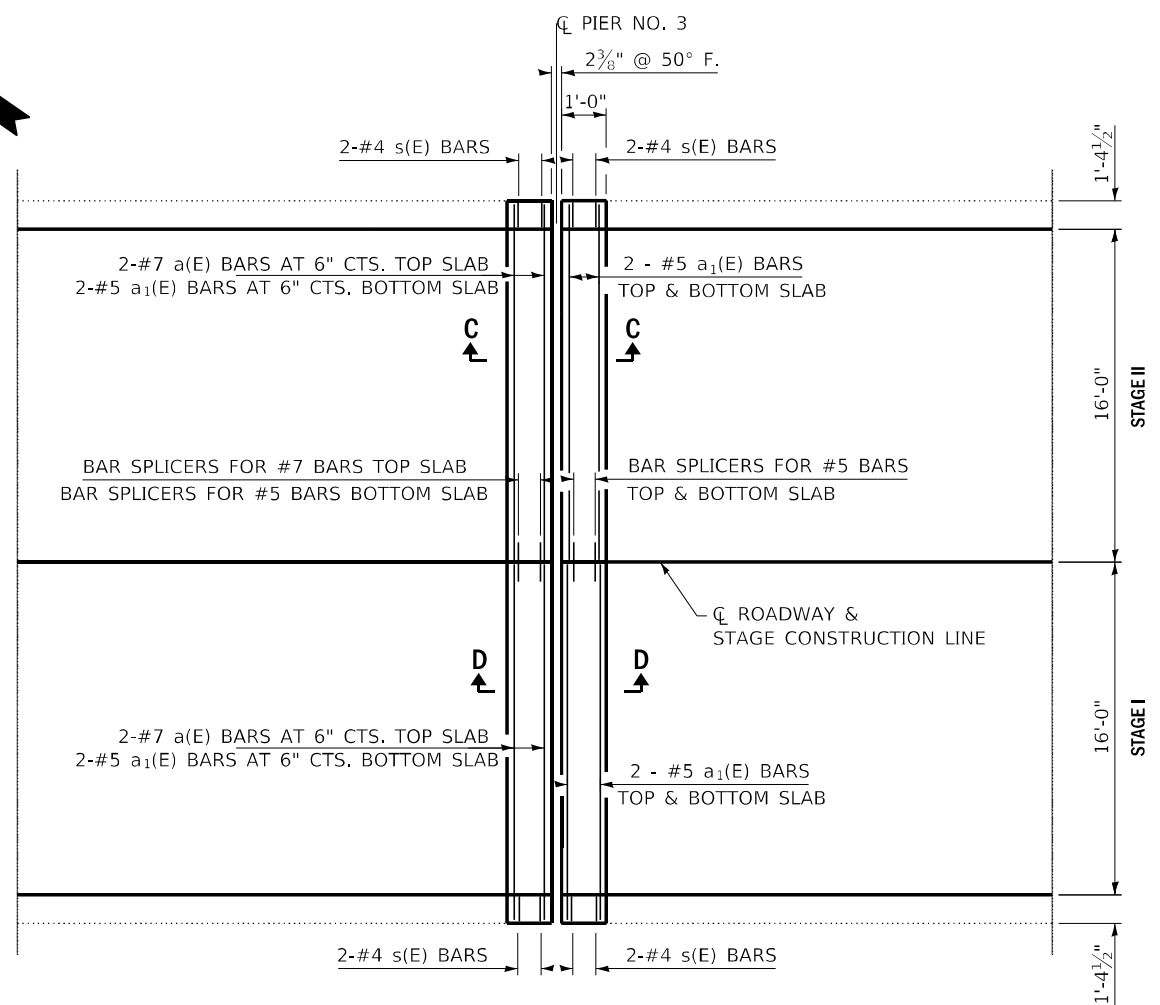
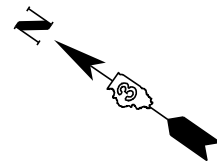
SECTION B-B

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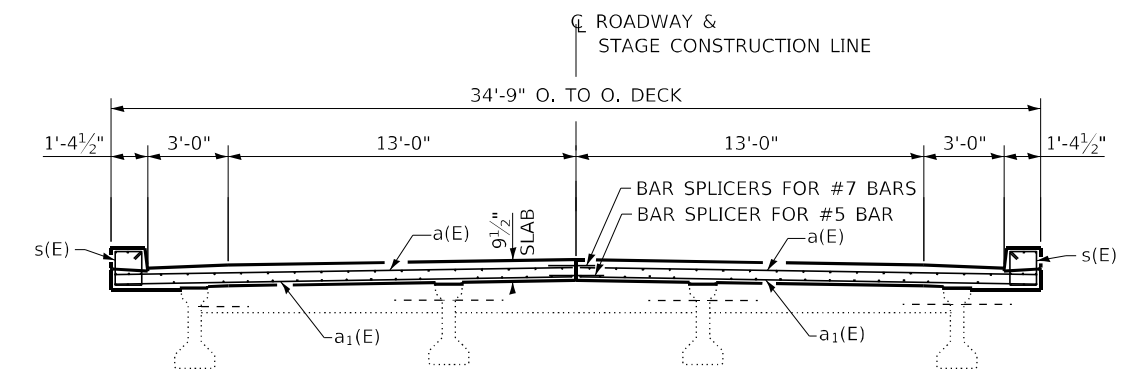
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADJUSTING EXISTING SCUPPER DETAILS
SCALE: SHEET 5 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	19
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				

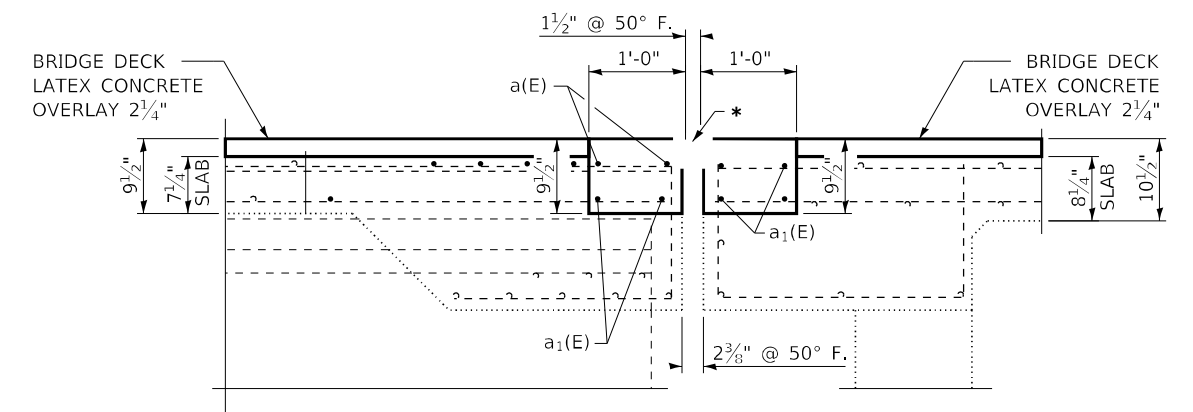


PLAN
AT PIER NO. 3 OR PIER NO. 6

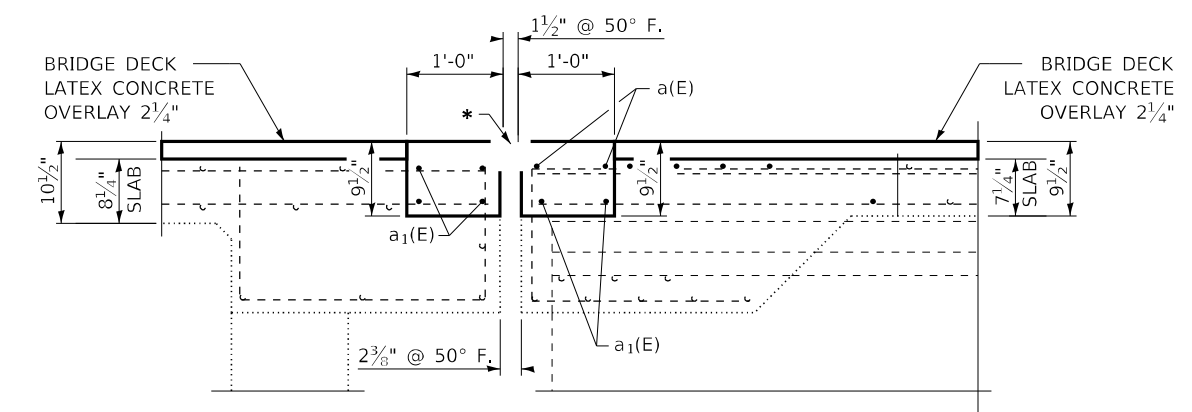


CROSS SECTION
AT PIER NO. 3, SPAN 3
AT PIER NO. 6, SPAN 7

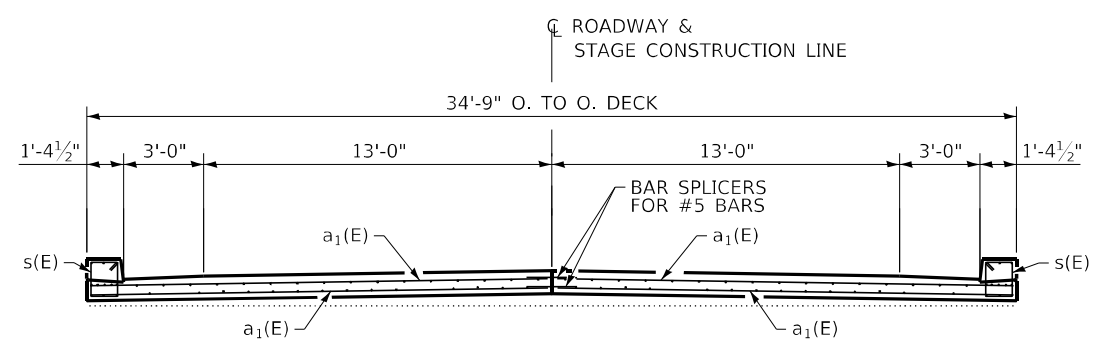
* SEE SHEET 21 OF 44
FOR EXPANSION JOINT DETAILS



SECTION C-C
PIER NO. 3



SECTION D-D
PIER NO. 6



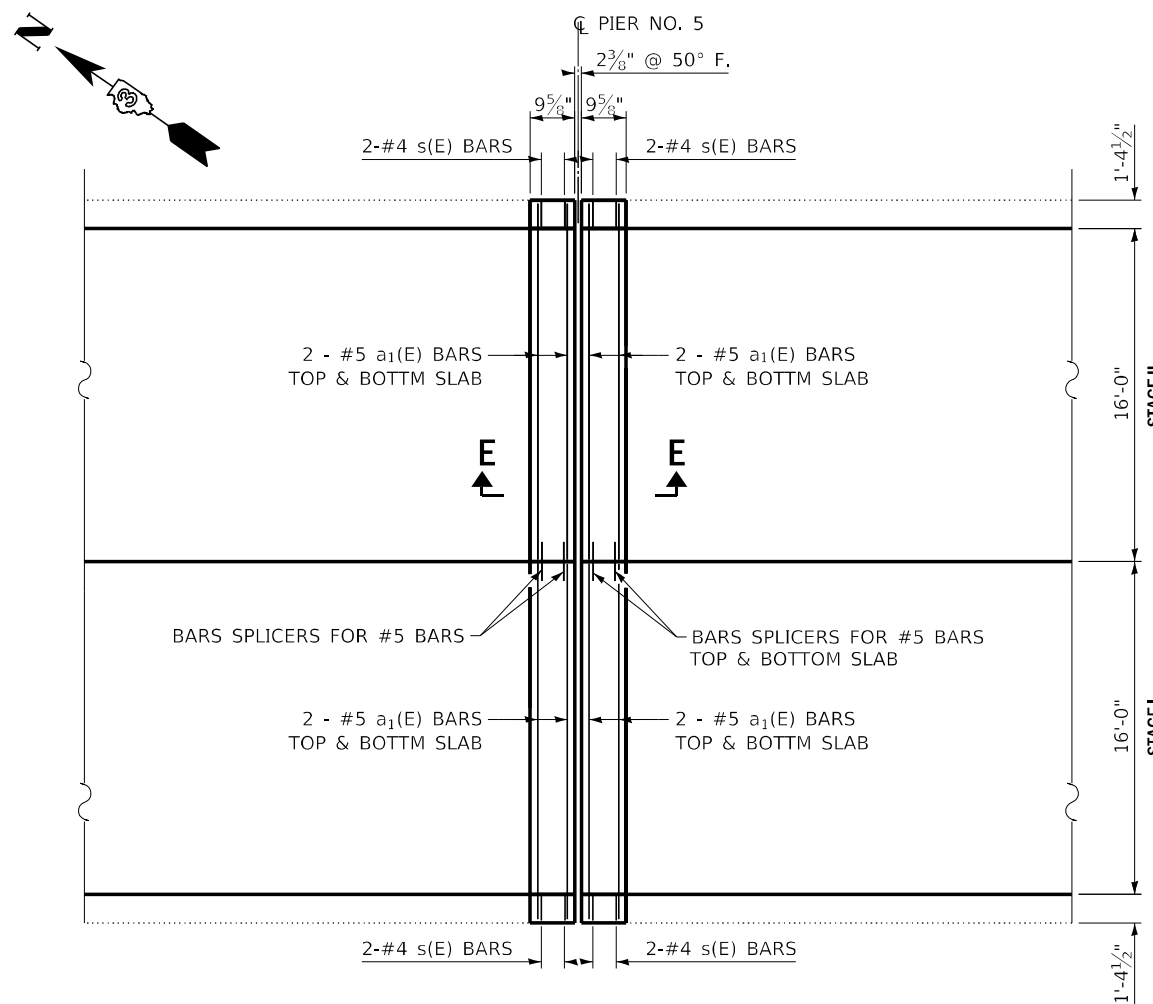
CROSS SECTION
AT PIER NO. 3, SPAN 4
AT PIER NO. 6, SPAN 6

FILE NAME =	USER NAME = WOODSHANKRL	DESIGNED - RW	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

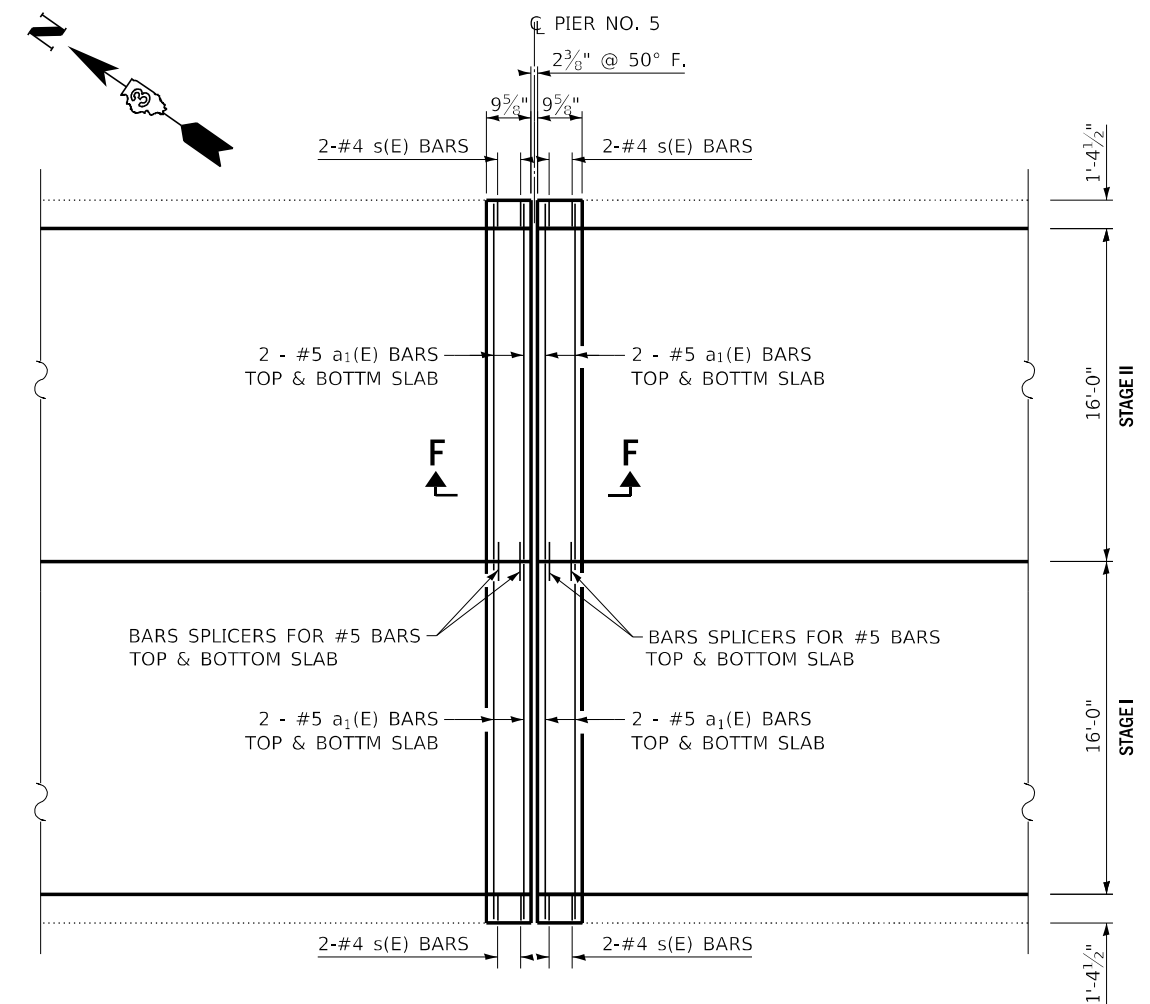
RECONSTRUCTION DETAILS AT PIER NO. 3			
SCALE:	SHEET 6 OF 24 SHEETS	STA. 194+69.48	TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	20
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				



SPAN 4 SPAN 5

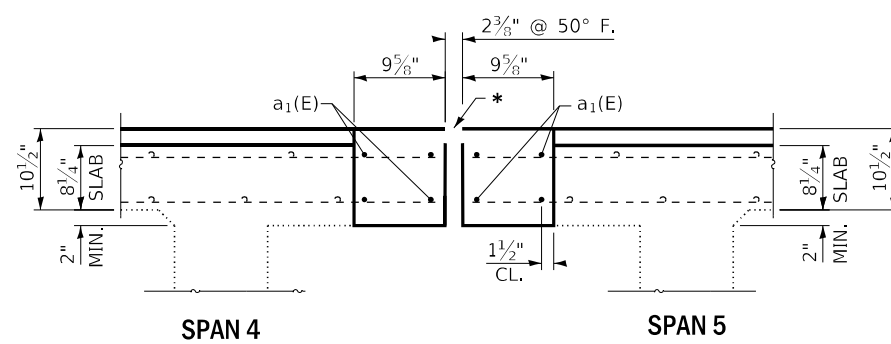
PLAN AT PIER NO. 4



SPAN 5 SPAN 6

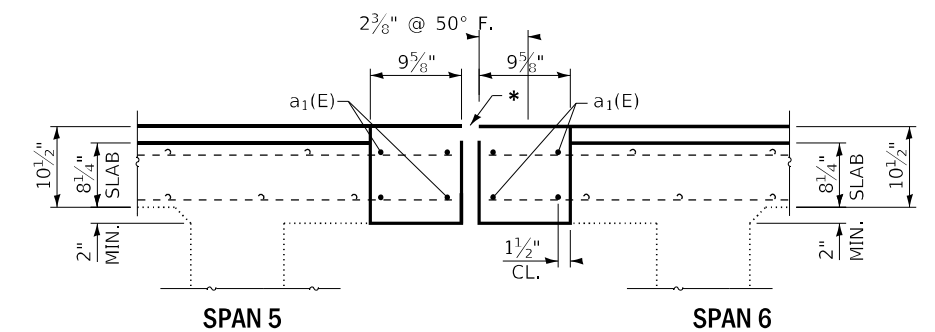
PLAN AT PIER NO. 5

*SEE SHEET 21 OF 44 FOR EXPANSION JOINT DETAILS



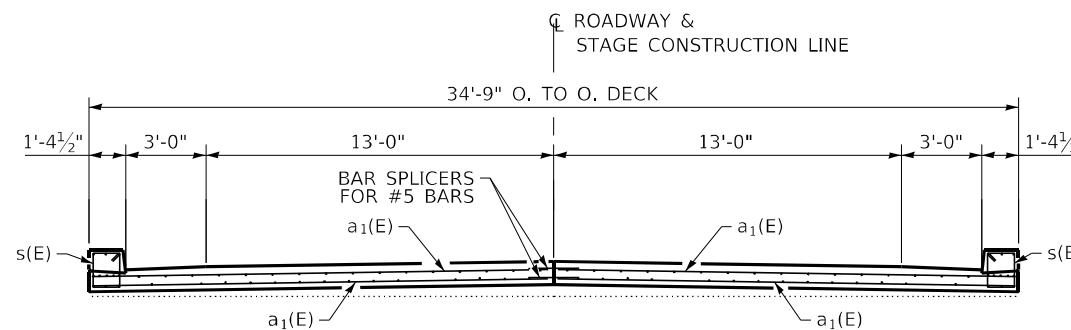
SPAN 4 SPAN 5

SECTION E-E
PIER NO. 4



SPAN 5 SPAN 6

SECTION F-F
PIER NO. 5



CROSS SECTION AT PIER NO. 4 & 5

SPAN 4, 5, 6

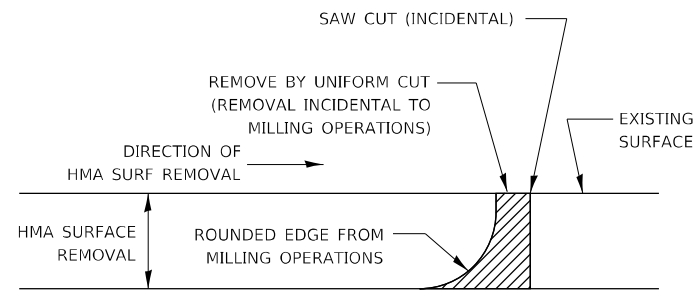
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Default	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECONSTRUCTION DETAILS AT PIER NO. 4 & 5

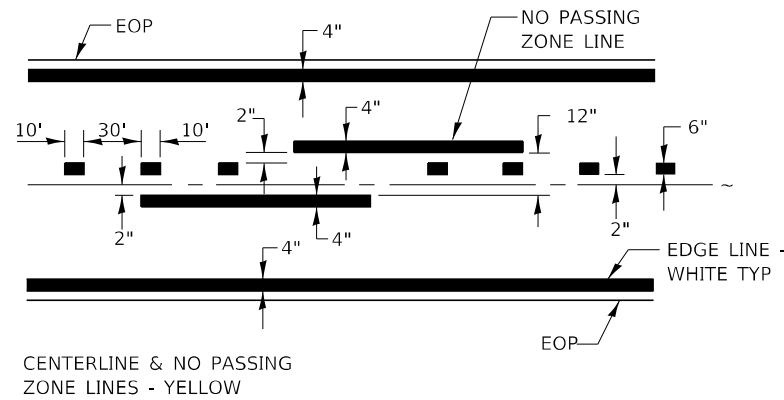
SCALE: SHEET 7 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	21
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		

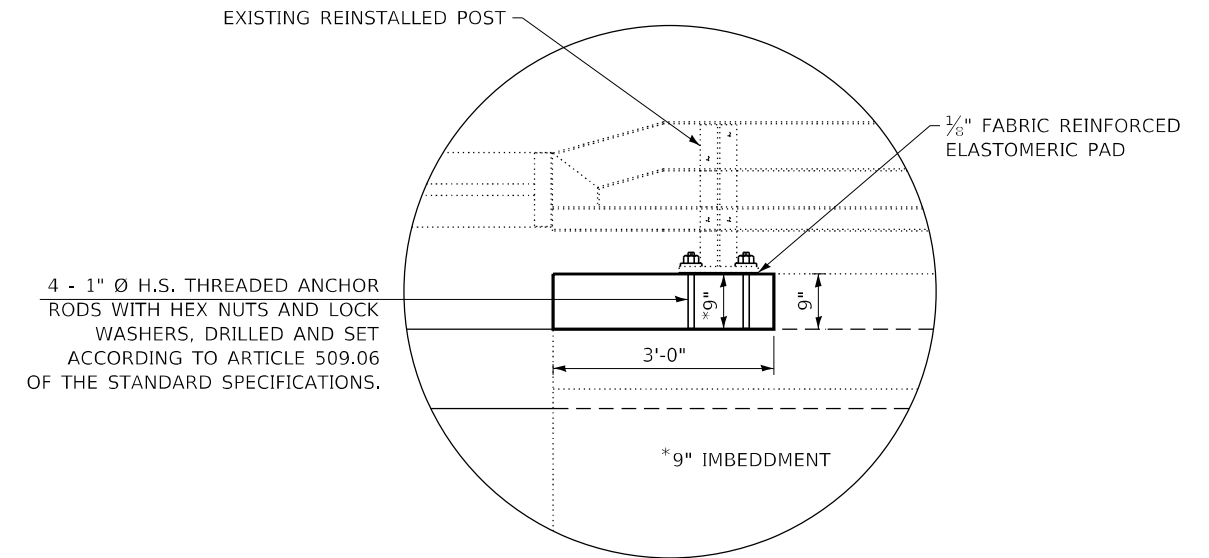


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

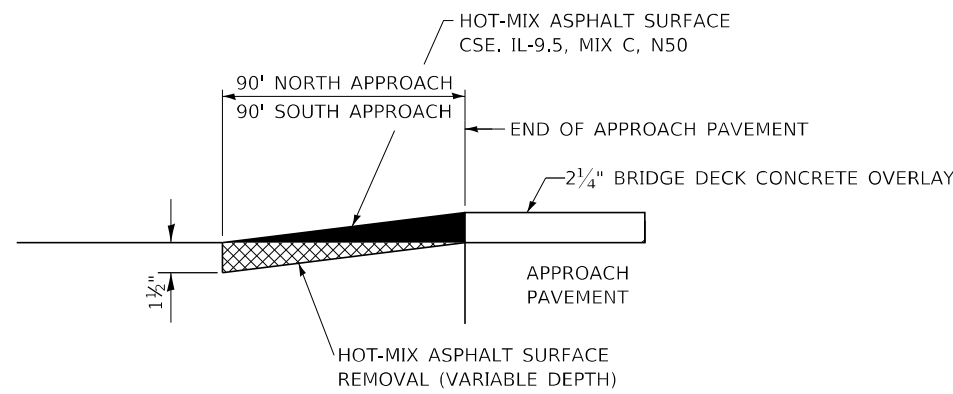


PAVEMENT MARKING

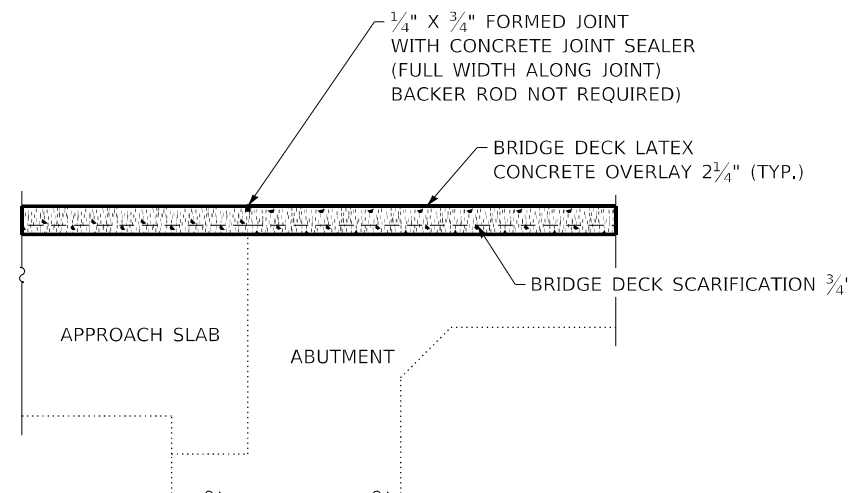


NE, NW, SE AND SW CORNER CURB

THIS DETAIL IS SIMILAR TO WHAT IS REQUIRED AT EXPANSION JOINTS WHERE EXISTING STEEL RAILING POSTS FALLS WITHIN CONCRETE REPLACEMENT LOCATIONS.

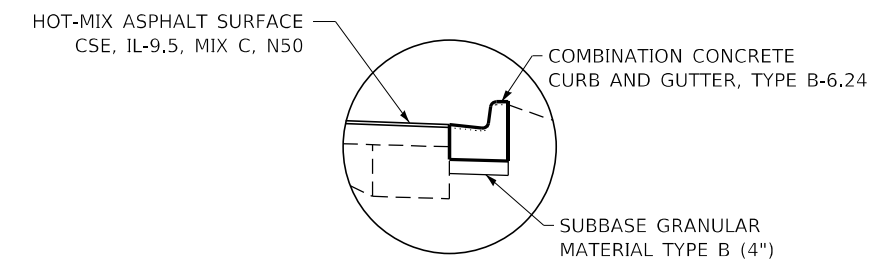


TAPER DETAIL



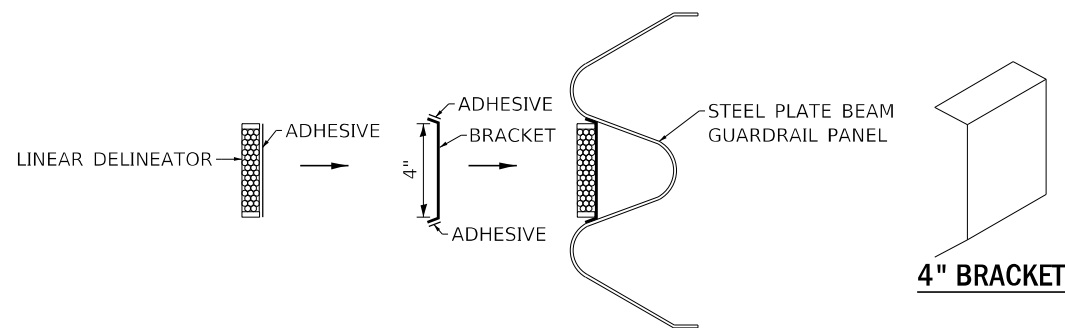
DETAIL AT ABUTMENTS

COST OF SEALER SHALL BE INCLUDED WITH BRIDGE DECK LATEX OVERLAY



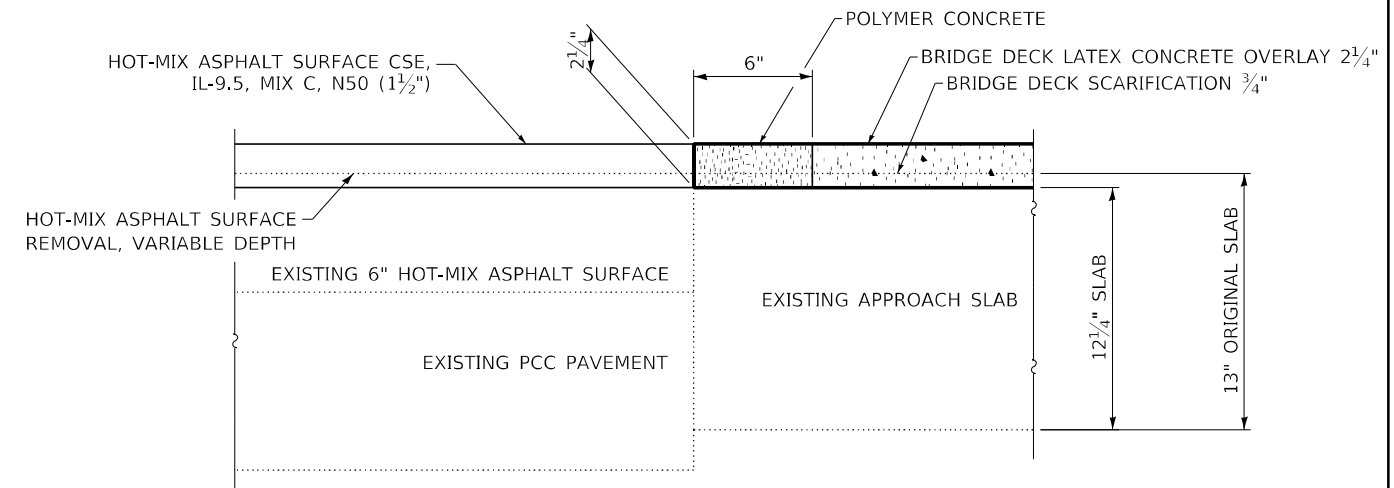
SECTION AT CURB AND GUTTER

COST OF NECESSARY EXCAVATION SHALL BE INCLUDED IN THE RELATED CONSTRUCTION ITEMS



LINEATOR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEATOR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS



CROSS SECTION AT END OF APPROACH SLABS

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -
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Default	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS CONSTRUCTION DETAILS

SCALE: SHEET 24 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	22
CONTRACT NO. 66H91				
ILLINOIS FED. AID PROJECT				

**BILL OF MATERIALS
DECK**

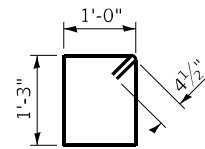
ITEM	UNIT	TOTAL
BRIDGE DECK SCARIFICATION 3/4"	SQ. YD.	1360
DECK SLAB REPAIR (FULL DEPTH)	SQ. YD.	1
BRIDGE DECK LATEX CONCRETE OVERLAY 2 1/4"	SQ. YD.	1360
APPROACH SLAB LATEX CONCRETE OVERLAY, VARIABLE DEPTH	SQ. YD.	72
BRIDGE DECK GROOVING	SQ. YD.	1437
BRIDGE DECK CONCRETE SEALER	SQ. FT.	8620
CONCRETE REMOVAL	CU. YD.	0.4
CONCRETE SUPERSTRUCTURE	CU. YD.	0.4
POLYMER CONCRETE	CU. FT.	6

**BILL OF MATERIALS
AT PIER NO. 3**

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	4	#7	17'-3"	————
a1(E)	12	#5	17'-3"	————
s(E)	8	#4	5'-3"	□
CONCRETE REMOVAL			CU. YD.	1.9
CONCRETE SUPERSTRUCTURE			CU. YD.	1.9
REINFORCEMENT BARS, EPOXY COATED			POUND	390

**BILL OF MATERIALS
AT PIER NO. 4**

BAR	NO.	SIZE	LENGTH	SHAPE
a1(E)	16	#5	17'-3"	————
s(E)	8	#4	5'-3"	□
CONCRETE REMOVAL			CU. YD.	2.5
CONCRETE SUPERSTRUCTURE			CU. YD.	2.5
REINFORCEMENT BARS, EPOXY COATED			POUND	320



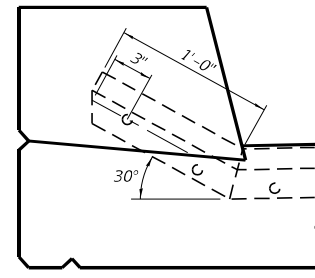
s(E) BAR

**BILL OF MATERIALS
AT PIER NO. 5**

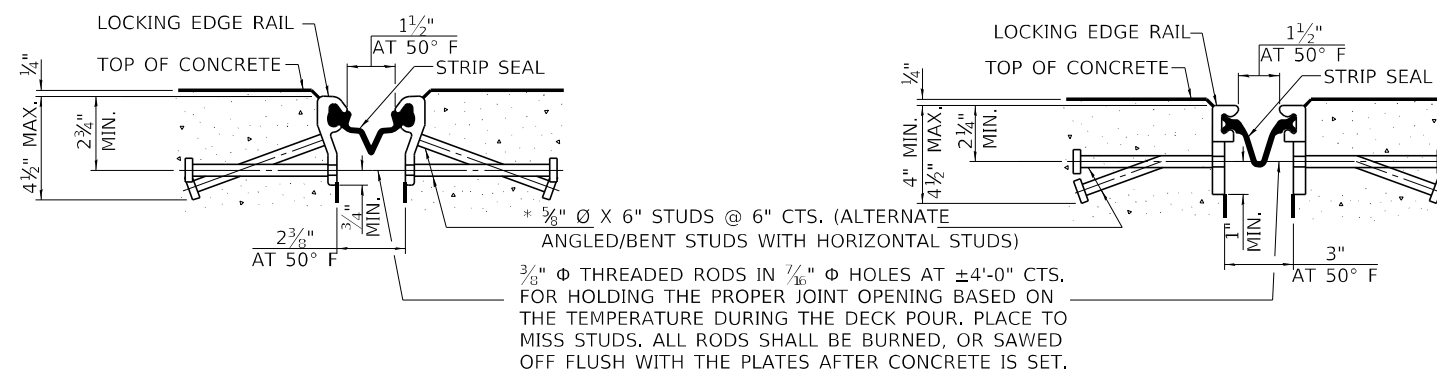
BAR	NO.	SIZE	LENGTH	SHAPE
a1(E)	16	#5	17'-3"	————
s(E)	8	#4	5'-3"	□
CONCRETE REMOVAL			CU. YD.	2.5
CONCRETE SUPERSTRUCTURE			CU. YD.	2.5
REINFORCEMENT BARS, EPOXY COATED			POUND	320

**BILL OF MATERIALS
AT PIER NO. 6**

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	4	#7	17'-3"	————
a1(E)	12	#5	17'-3"	————
s(E)	8	#4	5'-3"	□
CONCRETE REMOVAL			CU. YD.	1.9
CONCRETE SUPERSTRUCTURE			CU. YD.	1.9
REINFORCEMENT BARS, EPOXY COATED			POUND	390



SECTION AT CURB



SECTION A-A

* GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ARTICLE 1006.32 OF THE STD. SPECS., AUTOMATICALLY END WELDED.

SHOWING ROLLED RAIL JOINT

SHOWING WELDED RAIL JOINT

NOTES:

THE STRIP SEAL SHALL BE MADE CONTINUOUS AND SHALL HAVE A MINIMUM THICKNESS OF 1/4". THE CONFIGURATION OF THE STRIP SEAL SHALL MATCH THE CONFIGURATION OF THE LOCKING EDGE RAILS. OPEN OR "WEBBED" STRIP SEAL GLAND CONFIGURATIONS ARE NOT PERMITTED. THE GLAND SHALL BE SIZED FOR A MAXIMUM RATED MOVEMENT OF 4 INCHES.

THE LOCKING EDGE RAILS DEPICTED ARE CONFIGURED FOR TYPICAL APPLICATIONS AND ARE CONCEPTUAL ONLY. THE ACTUAL CONFIGURATION OF THE LOCKING EDGE RAILS AND MATCHING STRIP SEAL MAY VARY FROM MANUFACTURER TO MANUFACTURER PROVIDED THEY FIT THE APPLICATION AND MEET THE MINIMUM ANCHORAGE SHOWN. FLANGED EDGE RAILS, HOWEVER, WILL NOT BE ALLOWED. LOCKING EDGE RAILS MAY EXCEED THE 4 1/2" MAXIMUM DEPTH PROVIDED THE ANCHORAGE SYSTEM IS REVISED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS SHALL BE FOLLOWED.

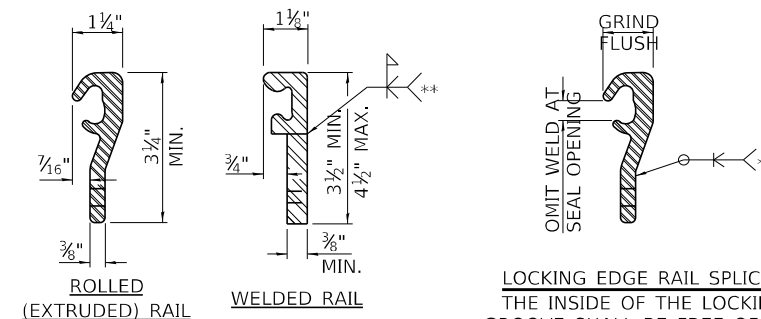
ALL STEEL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION ACCORDING TO ARTICLE 520.03 OF THE STANDARD SPECIFICATIONS.

THE MAXIMUM SPACE BETWEEN LOCKING EDGE RAIL SEGMENTS SHALL BE 1/16" AND SEALED WITH A SUITABLE SEALANT; HOWEVER, ANY RAIL JOINT WITHIN 10' MEASURED PERPENDICULAR TO THE FACE OF THE CURB OR PARAPET SHALL BE WELDED AS SHOWN IN THE LOCKING EDGE RAIL SPLICE DETAIL.

COST OF PARAPET SLIDING PLATES, EMBEDDED PLATES, AND ANCHORAGE STUDS INCLUDED WITH PREFORMED JOINT STRIP SEAL.

39" CONSTANT SLOPE BARRIER SHOWN, 44" CONSTANT SLOPE BARRIER SIMILAR AS NOTED.

THE CONCRETE OPENING BELOW THE STRIP SEAL WILL VARY BASED ON THE LOCKING EDGE RAIL CHOSEN BY THE CONTRACTOR. DECK AND PARAPET LENGTHS SHOWN ELSEWHERE IN THE PLANS ARE DIMENSIONED TO THE CONCRETE OPENING, NOT THE JOINT OPENING, AND ARE BASED ON THE ROLLED LOCKING EDGE RAIL. IF THE CONTRACTOR ELECTS TO USE A DIFFERENT LOCKING EDGE RAIL, DIMENSIONAL ADJUSTMENTS MAY BE REQUIRED. ONE EXCEPTION TO THIS WOULD BE THE STRIP SEAL JOINT AT THE END OF THE PRECAST BRIDGE APPROACH SLAB. FOR THESE CASES THE PAVEMENT CONNECTOR LENGTH SHALL BE ADJUSTED, NOT THE LENGTH OF THE BRIDGE APPROACH SLAB.

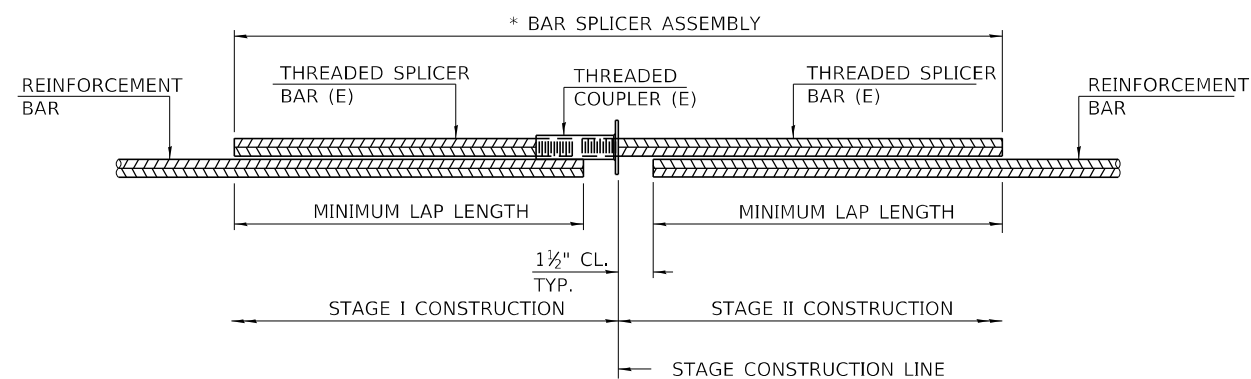


LOCKING EDGE RAILS
** BACK GOUGE NOT REQUIRED IF COMPLETE JOINT PENETRATION IS VERIFIED BY MOCK-UP.

LOCKING EDGE RAIL SPLICE
THE INSIDE OF THE LOCKING EDGE RAIL GROOVE SHALL BE FREE OF WELD RESIDUE. ROLLED RAIL SHOWN, WELDED RAIL SIMILAR.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
PREFORMED JOINT STRIP SEAL	FOOT	135

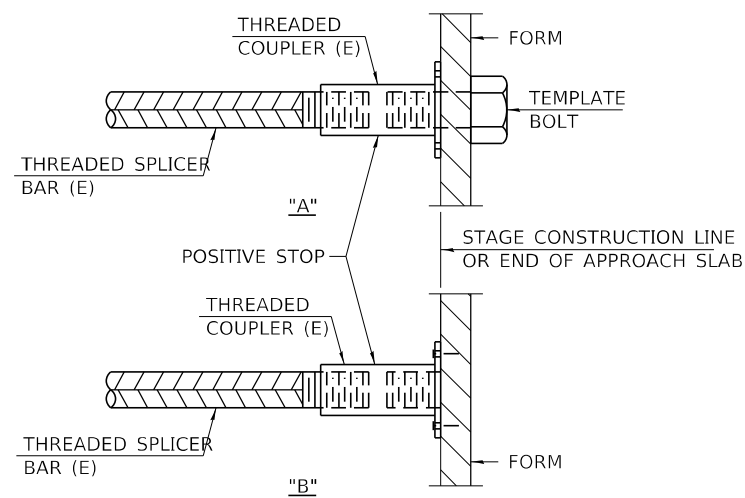


STANDARD BAR SPLICER ASSEMBLY PLAN
(ALL COMPONENTS SHALL BE PROVIDED FROM ONE SUPPLIER)

THREADED SPLICER BAR LENGTH = MIN. LAP LENGTH + 1 1/2" + THREAD LENGTH

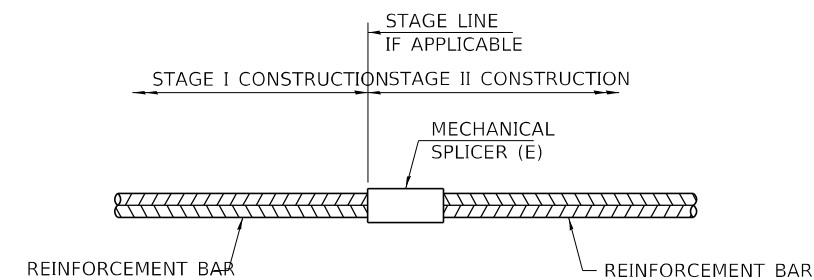
* EPOXY NOT REQUIRED ON BAR SPLICER ASSEMBLY COMPONENTS USED IN CONJUNCTION WITH BLACK BARS.

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED	MINIMUM LAP LENGTH
PIER #3	#7	2	4'-2"
	#5	6	3'-0"
PIER #4	#5	8	3'-0"
PIER #5	#5	8	3'-0"
PIER #6	#7	2	4'-2"
	#5	6	3'-0"



INSTALLATION AND SETTING METHODS

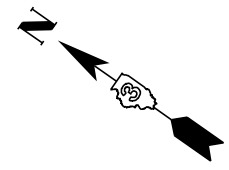
"A" : SET BAR SPLICER ASSEMBLY BY MEANS OF A TEMPLATE BOLT.
 "B" : SET BAR SPLICER ASSEMBLY BY NAILING TO WOOD FORMS OR CEMENTING TO STEEL FORMS.
 (E) : INDICATES EPOXY COATING.



STANDARD MECHANICAL SPLICER

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED

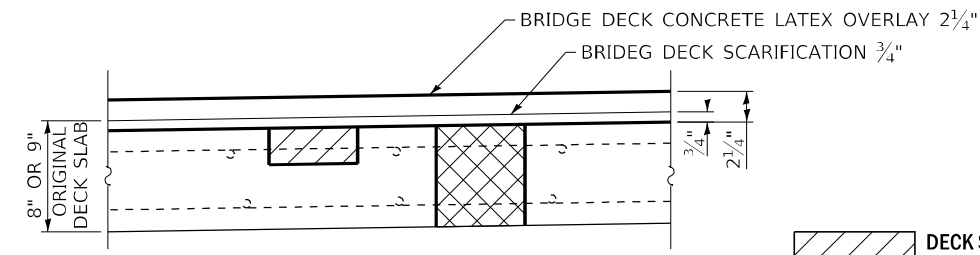
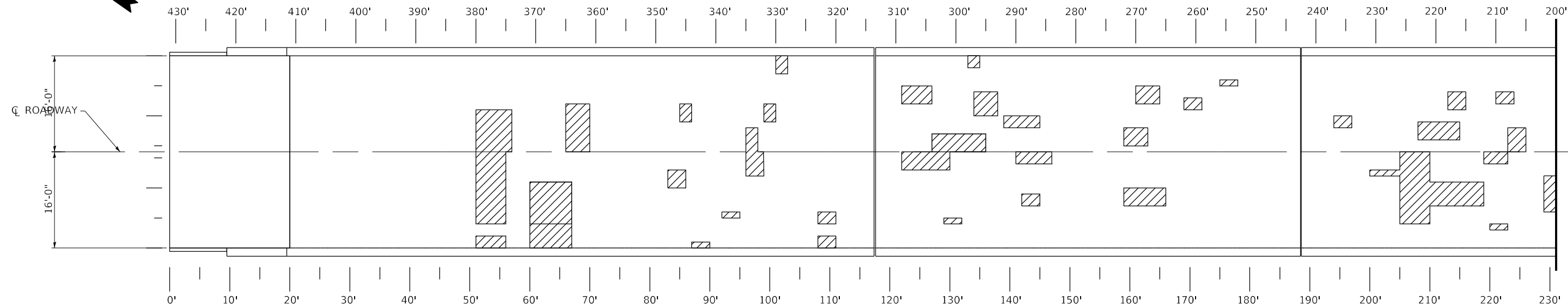
NOTES:
 SPLICER BARS SHALL BE DEFORMED WITH THREADED ENDS AND HAVE A MINIMUM 60 KSI YIELD STRENGTH.
 ALL REINFORCEMENT SHALL BE LAPPED AND TIED TO THE SPLICER BARS.
 BAR SPLICER ASSEMBLIES SHALL BE EPOXY COATED ACCORDING TO THE REQUIREMENTS FOR REINFORCEMENT BARS. SEE SECTION 508 OF THE STANDARD SPECIFICATIONS.
 SEE APPROVED LIST OF BAR SPLICER ASSEMBLIES AND MECHANICAL SPLICERS FOR ALTERNATIVES.



BK. N. ABUT.
STA. 194+89.48

PIER #3
STA. 195+87.48

PIER #4
STA. 196+58.48



TYPICAL DECK SLAB REPAIR DETAIL

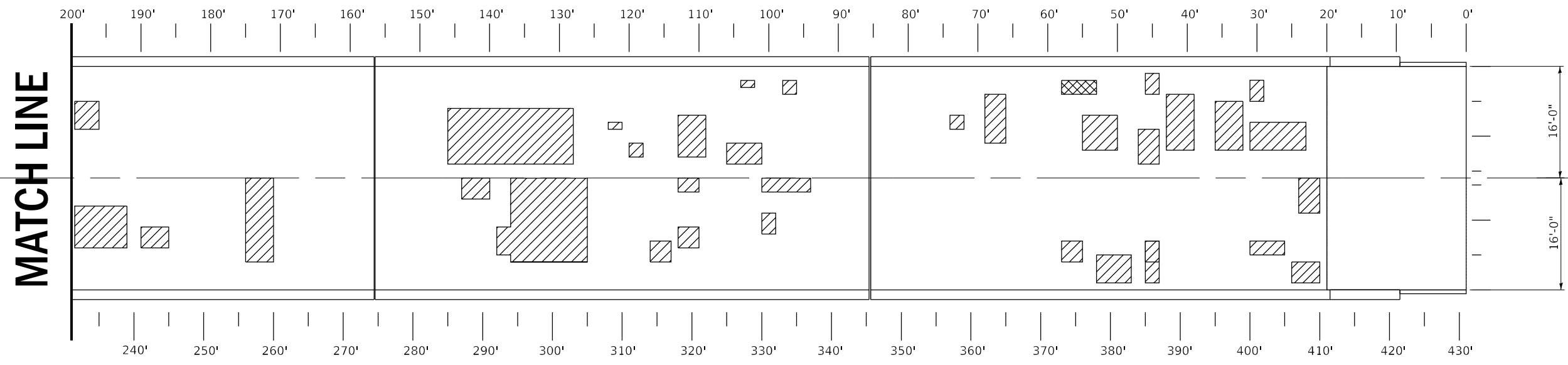
- DECK SLAB REPAIR (PARTIAL)**
(MAX. 1/3 OF DECK THICKNESS)
- DECK SLAB REPAIR (FULL DEPTH)**

NOTE:
DECK SLAB REPAIR QUANTITIES ARE ESTIMATED.
THE ENGINEER SHALL SOUND THE ENTIRE DECK
AND APPROACH SURFACES AFTER SCARIFICATIONS
OPERATIONS HAVE BEEN COMPLETED AND RECORD
THE ACTUAL LOCATIONS AND QUANTITIES OF DECK
SLAB REPAIRS ON THE "AS-BUILT" PLAN SHEET.

PIER #5
STA. 197+44.48

PIER #6
STA. 198+15.48

BK. S. ABUT.
STA. 198+81.48

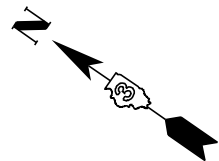


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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - EXISTING DECK SLAB REPAIRS "FOR INFORMATION ONLY"			
SCALE:	SHEET 11 OF 24 SHEETS	STA. 194+89.48	TO STA. 199+01.48

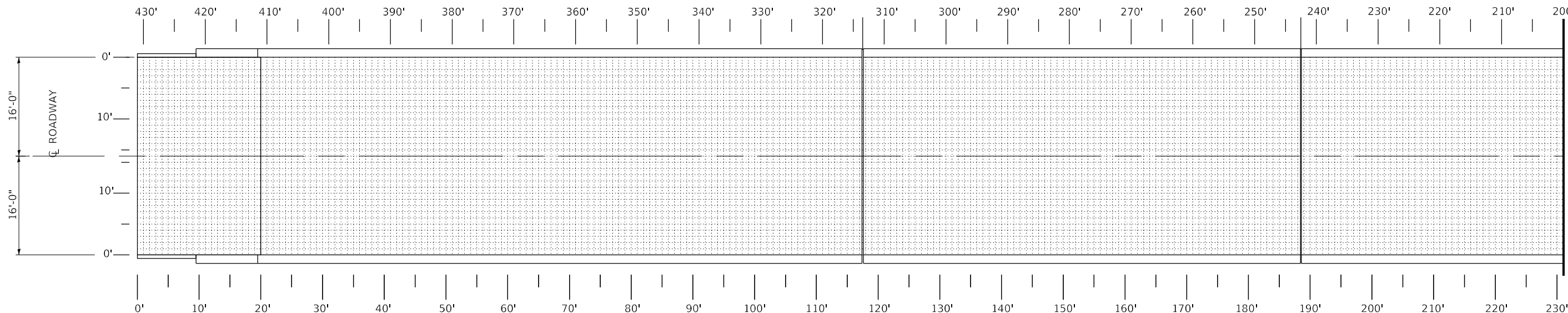
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	26
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



BK. N. ABUT.
STA. 194+89.48

PIER #3
STA. 195+87.48

PIER #4
STA. 196+58.48



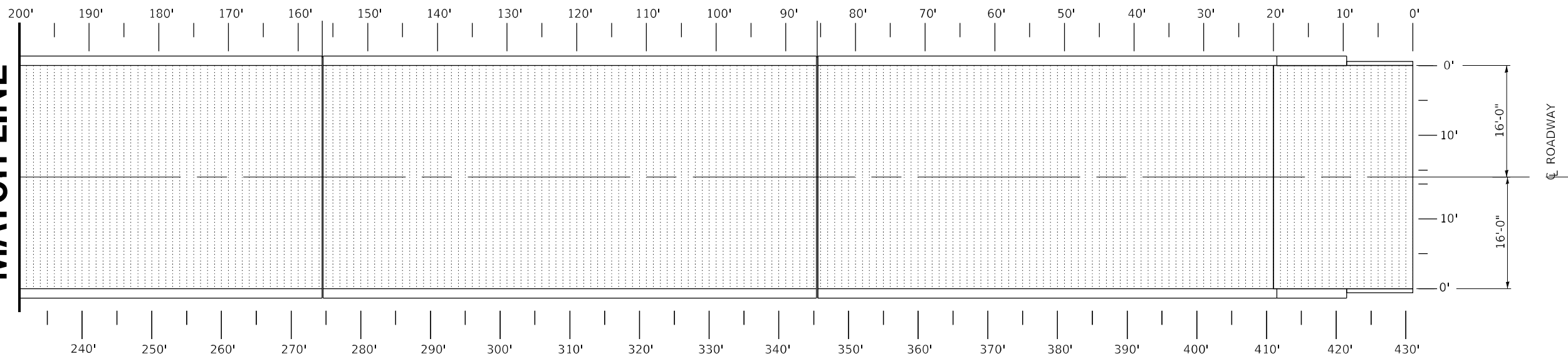
MATCH LINE

PIER #5
STA. 197+44.48

PIER #6
STA. 198+15.48

BK. S. ABUT.
STA. 198+81.48

MATCH LINE



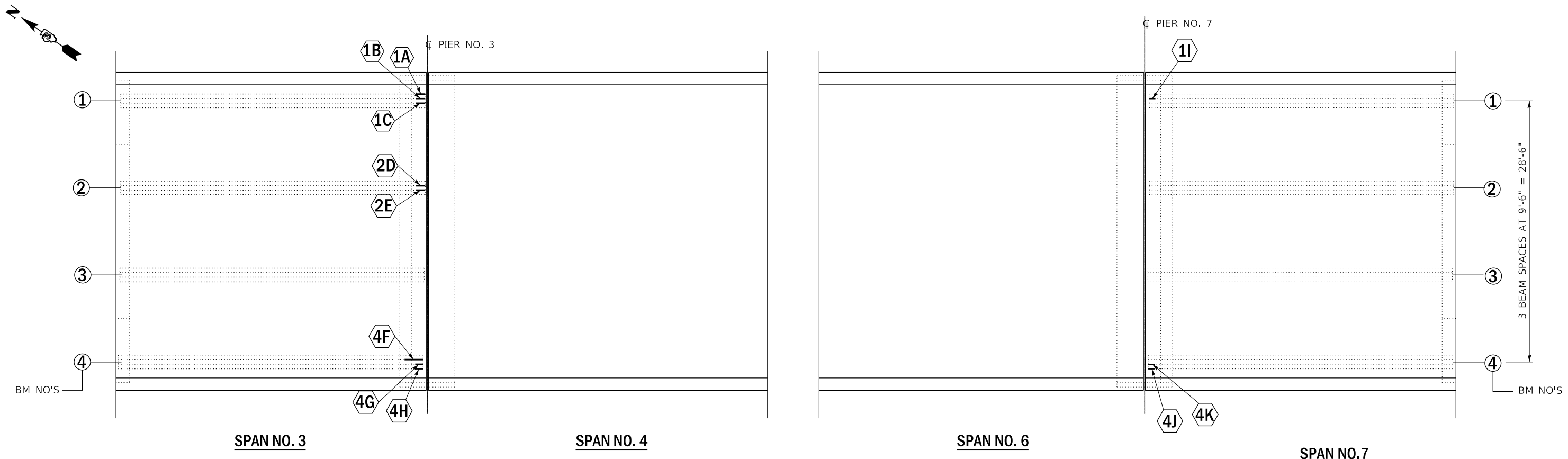
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	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN - "AS-BUILT" DECK SLAB REPAIRS

SCALE: SHEET 12 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	27
			CONTRACT NO. 66H91	
		ILLINOIS	FED. AID PROJECT	



NOTES

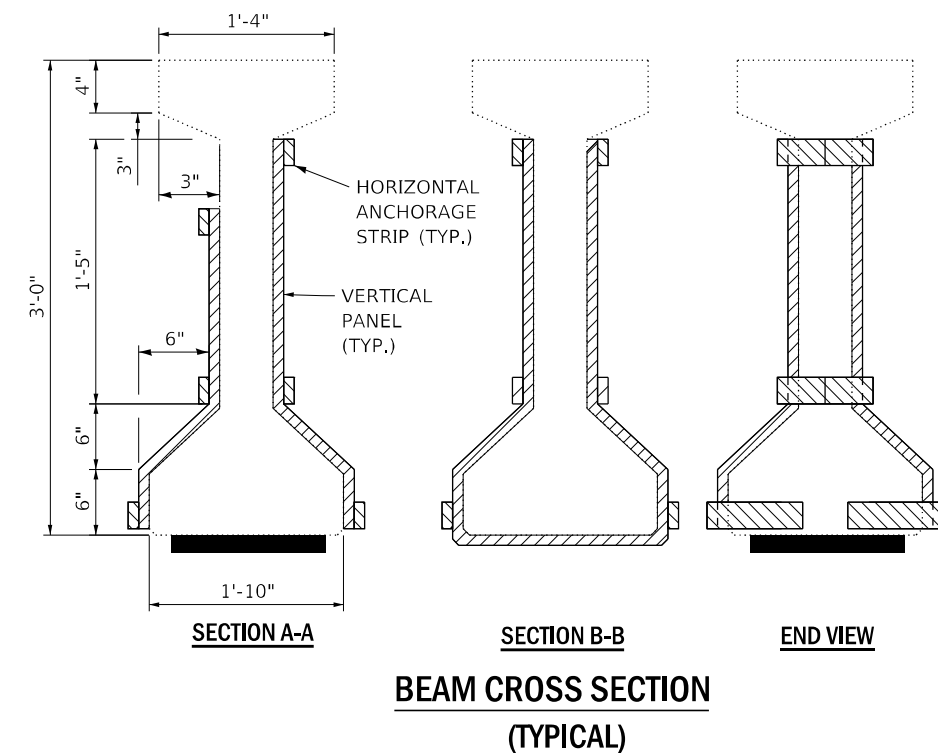
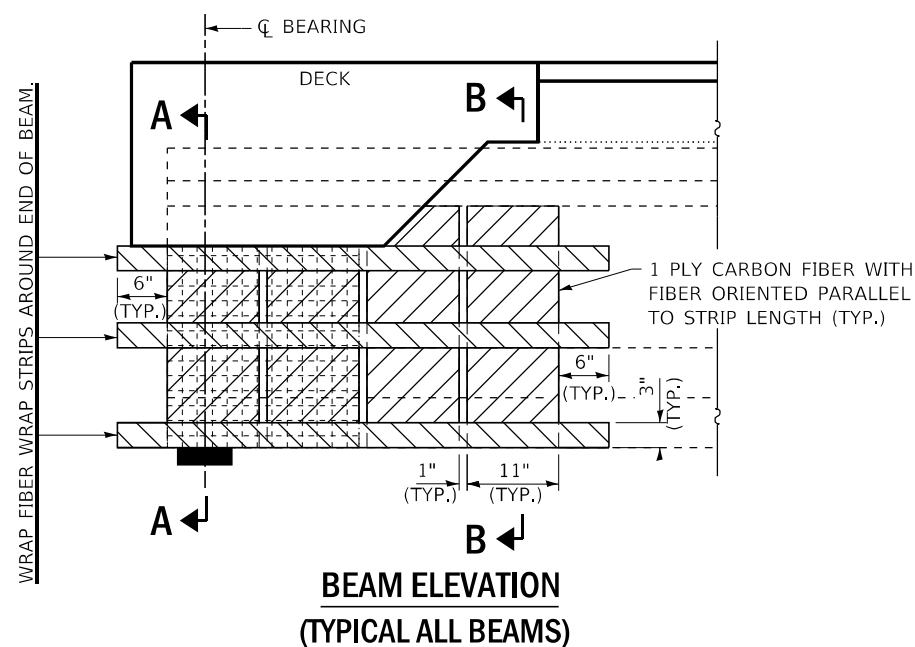
- ACRYLIC COATING SHALL BE PLACED OVER FIBER WRAP REPAIRS. TWO COATS SHALL BE APPLIED
- SEE SPECIAL PROVISIONS FOR "FIBER WRAP FOR PCC I-BEAM REPAIRS".
- SEE SPECIAL PROVISIONS FOR "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS".
- VERTICAL PANELS MUST BE BETWEEN 10" AND 12". VERTICAL PANELS SHALL EXTEND BEYOND THE REPAIR ZONE BY A MINIMUM OF 3". VERTICAL PANELS LOCATED ABOVE THE BEARING LOCATION SHALL BE PLACED IN TWO PIECES. VERTICAL PANELS OUTSIDE THE BEARING LOCATION SHALL WRAP UNDER THE BOTTOM OF THE BEAM IN A CONTINUOUS STRIP UP BOTH SIDES OF THE BEAM.
- HORIZONTAL ANCHORAGE STRIPS SHALL BE 3" WIDE AND EXTEND A MINIMUM OF 6" BEYOND THE VERTICAL PANELS. THE HORIZONTAL STRIPS SHALL BE PLACED ON TOP OF THE VERTICAL PANELS.

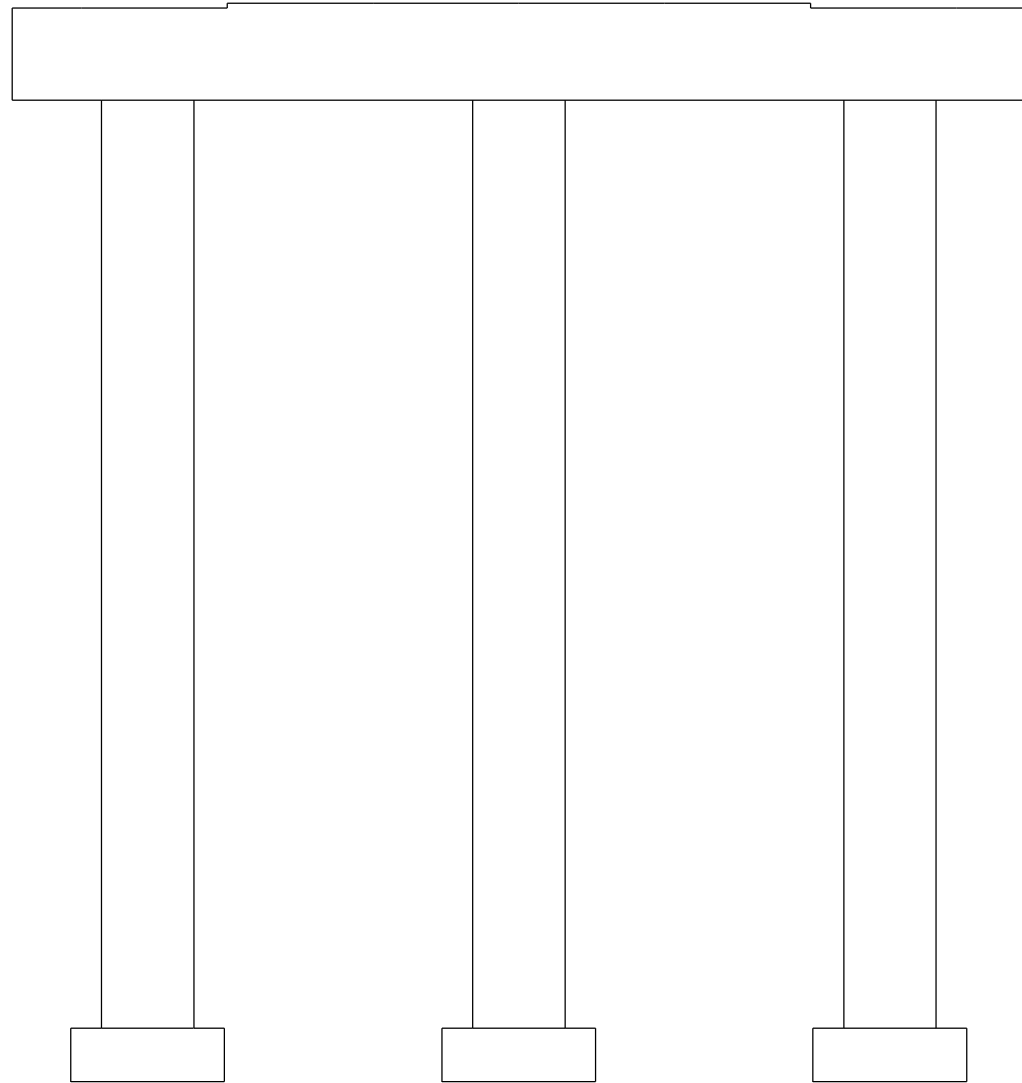
LEGEND

- PPC I-BEAM REPAIR
- FIBER WRAP STRIPS
- FIBER WRAP PANELS

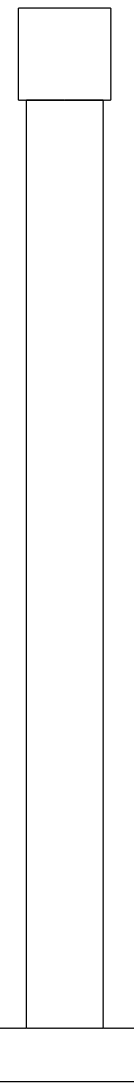
SCHEDULE PPC I-BEAM REPAIRS

PIER NO.	BEAM NO.	REPAIR LOCATIONS				PPC I-BEAM REPAIR SQ FT	FIBER WRAP SQ FT	ACRYLIC COATING SQ YD	
		LOCATION	WEB	BOTTOM FLANGE	LENGTH (ft)				VERTICAL HEIGHT (ft)
3	1	A	X		0.83	1.33	1.1		
3	1	B		X	0.83	0.75	0.6	28	
3	1	C	X		2	0.58	1.2		
3	2	D	X		1	0.58	0.6	28	
3	2	E	X		1	0.58	0.6	6	
3	4	F	X		1	0.58	0.6		
3	4	G		X	1	0.75	0.8	28	
3	4	H	X		1	1.33	1.3	68	
6	4	I	X		0.67	1.33	0.9	28	
6	4	J	X		0.67	1.33	0.9	6	
6	4	K		X	0.67	0.75	0.5	28	
TOTALS							9.1	140	216

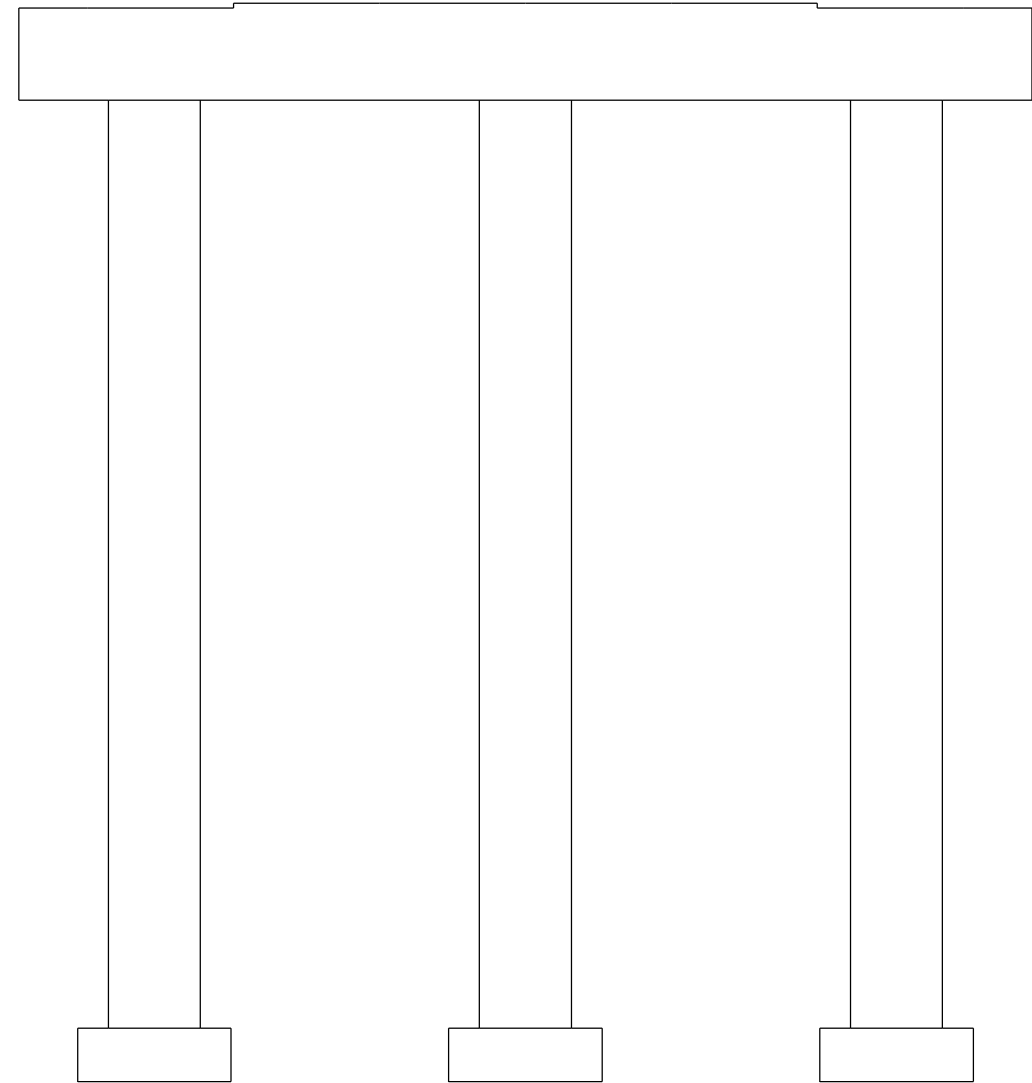




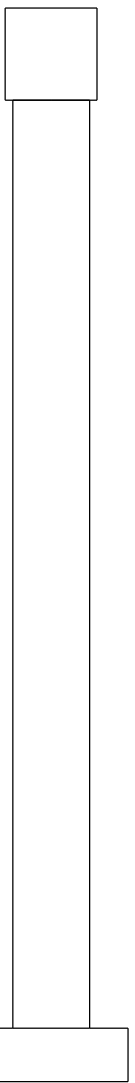
NORTH FACE



WEST FACE



SOUTH FACE



EAST FACE

PIER NO. 1

"SHEET NOT TO SCALE"

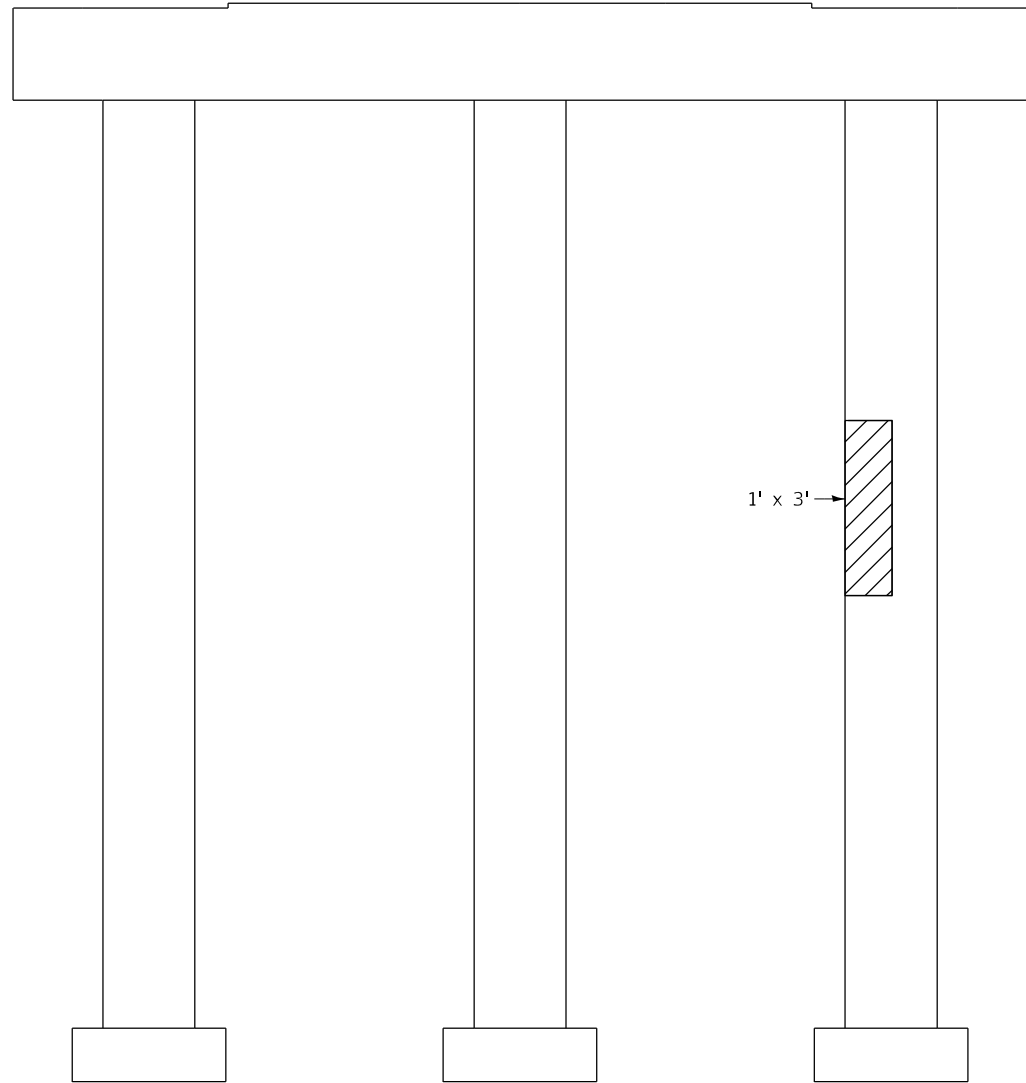
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DATE = 5/28/2020		DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

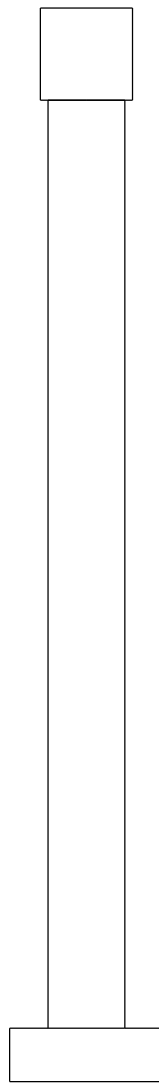
**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 1**

SCALE: SHEET 14 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

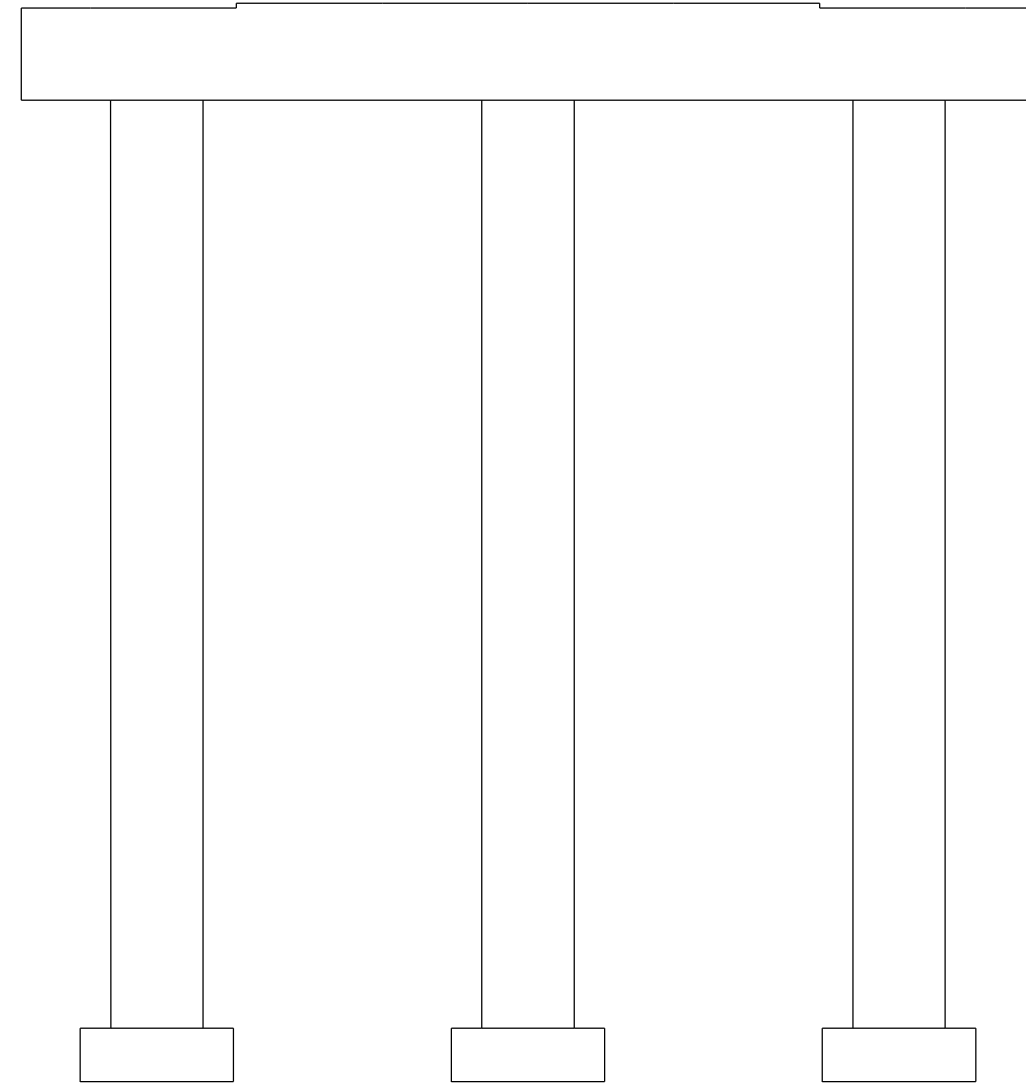
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	29
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



NORTH FACE



WEST FACE



SOUTH FACE



EAST FACE

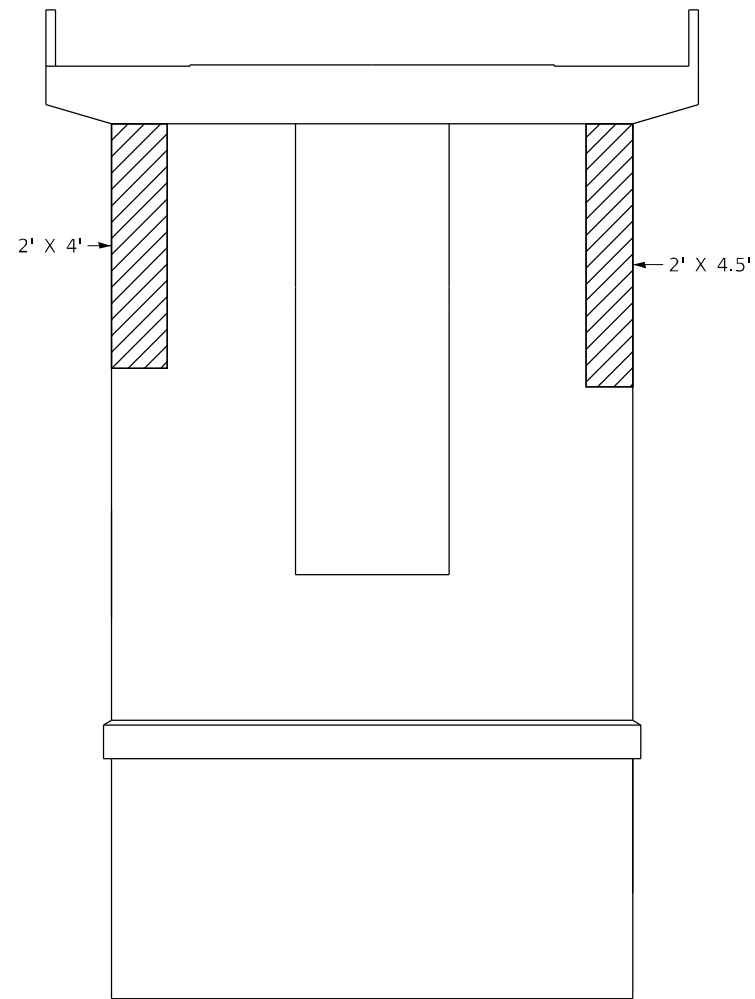
PIER NO. 2

BILL OF MATERIAL - PIER NO. 2

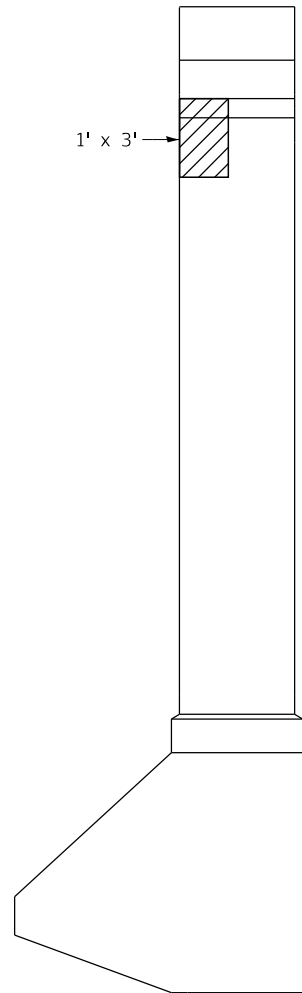
ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		3	3

"SHEET NOT TO SCALE"

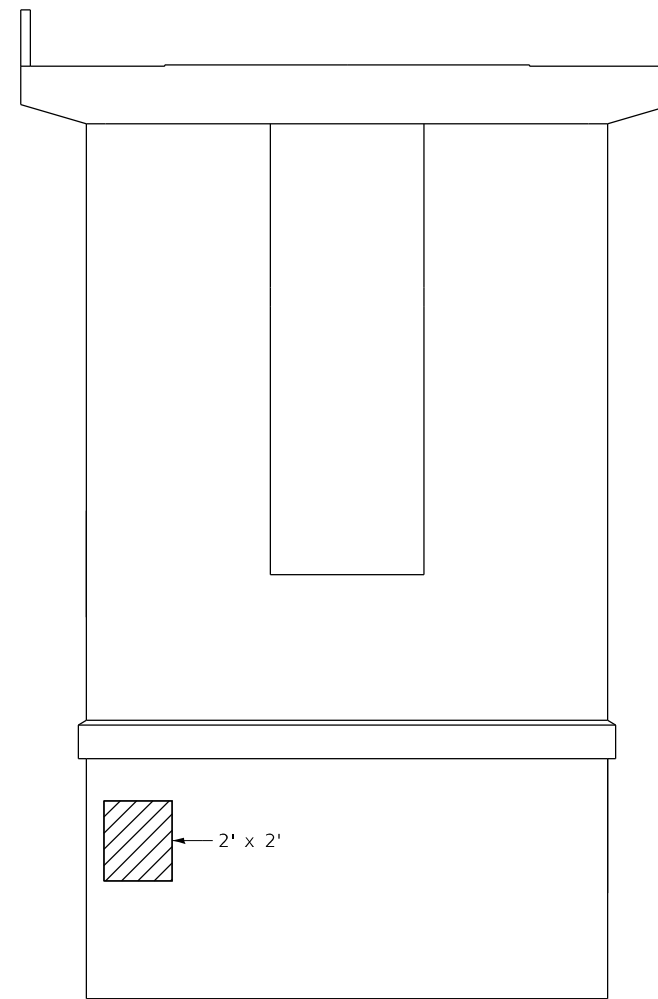
FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL REPAIR OF CONCRETE DETAILS FOR STRUCTURE NO. 050-0096 - PIER NO. 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dot\illinois.gov\PWIDOT\Documents\DOT\offices\District 3\Projects\D366H91\CADData\D366H91-cover.dwg	DRAWN - RW	REVISIED -	1279			(108BR)BRR	LASALLE	45	30	
Default	PLOT SCALE = 3.9370' / mm	CHECKED - EM	REVISIED -			CONTRACT NO. 66H91				
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISIED -			SCALE:	SHEET 15 OF 24 SHEETS	STA. 194+69.48 TO STA. 199+01.48	ILLINOIS FED. AID PROJECT	



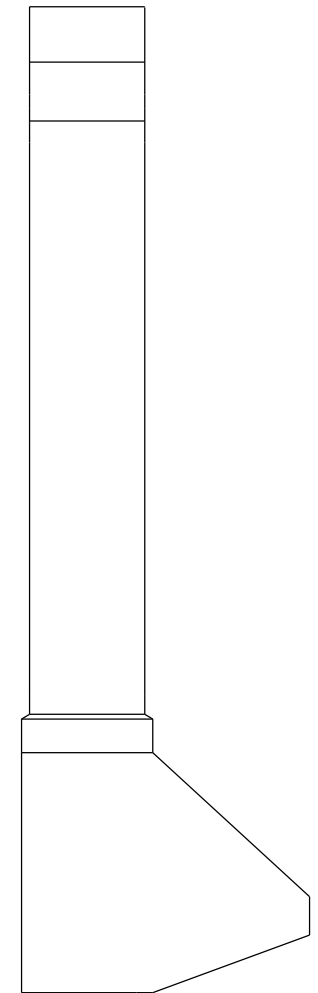
NORTH FACE



WEST FACE



SOUTH FACE



EAST FACE

PIER NO. 3

BILL OF MATERIAL - PIER NO. 3

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		24	24

"SHEET NOT TO SCALE"

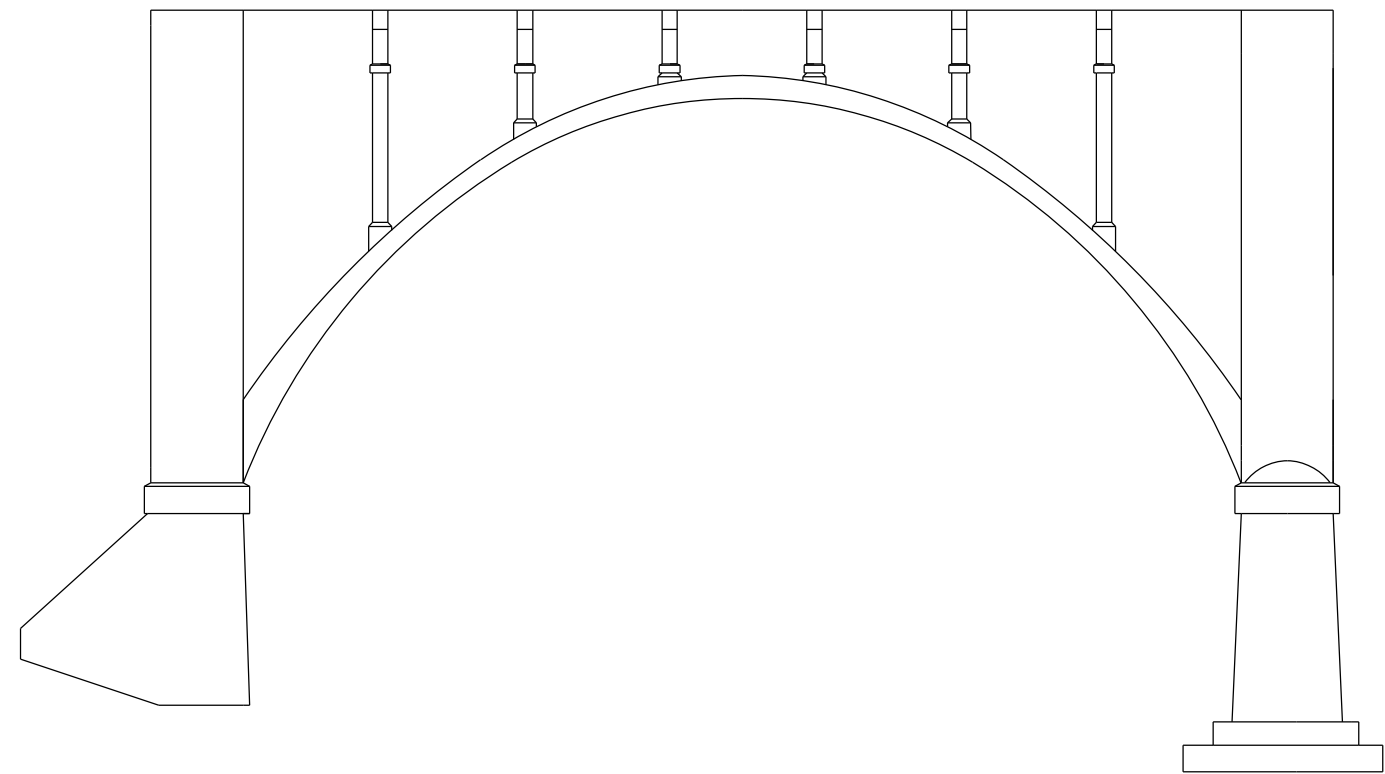
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Default	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 3**

SCALE: SHEET 16 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

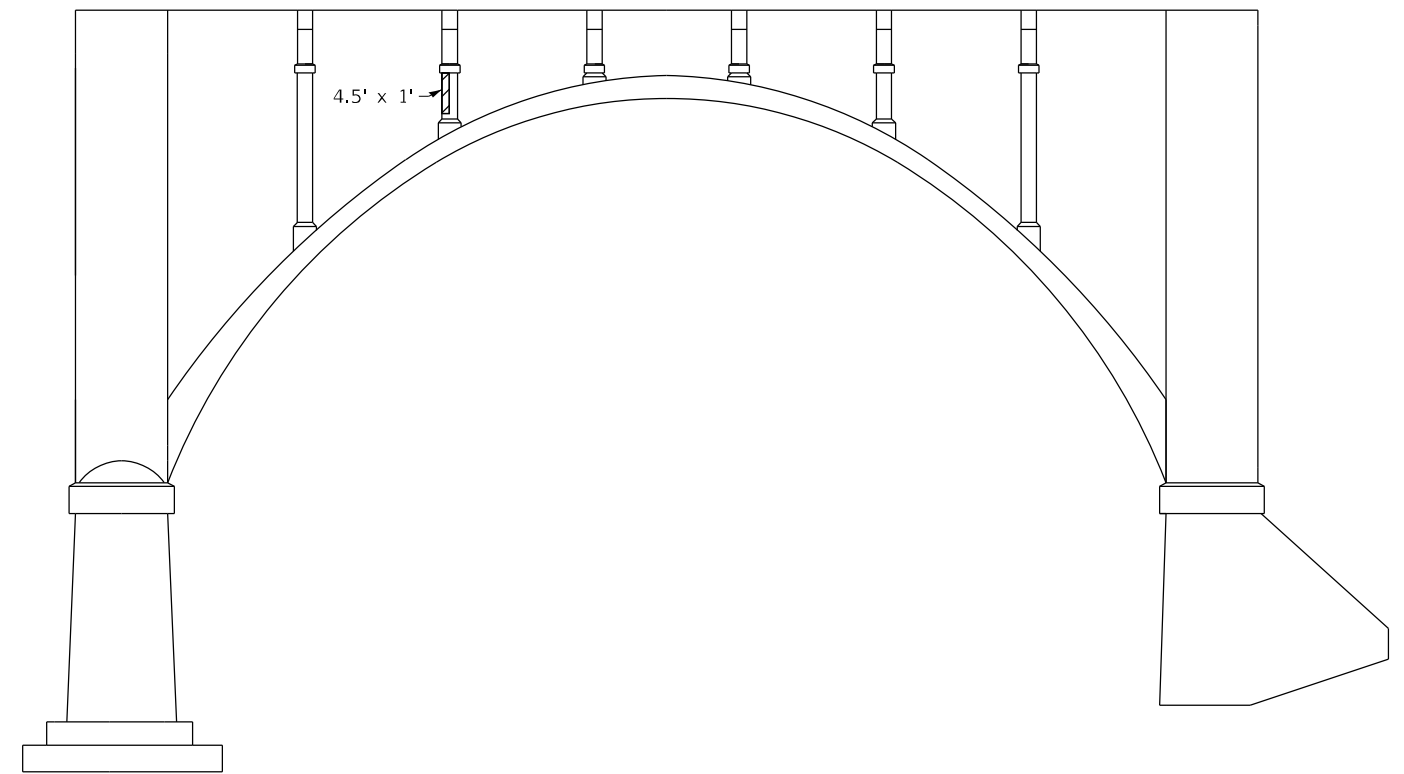
F.A.S. RTE. 1279	SECTION (108BR)BRR	COUNTY LASALLE	TOTAL SHEETS 45	SHEET NO. 31
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



PIER 3

WEST FACE

PIER 4



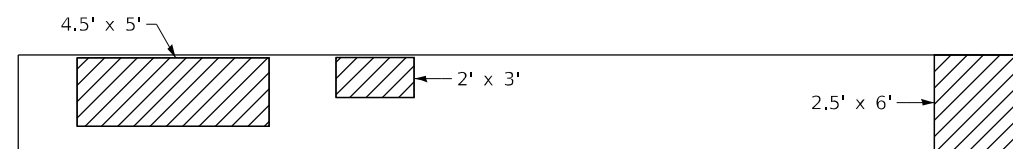
PIER 4

EAST FACE

PIER 3

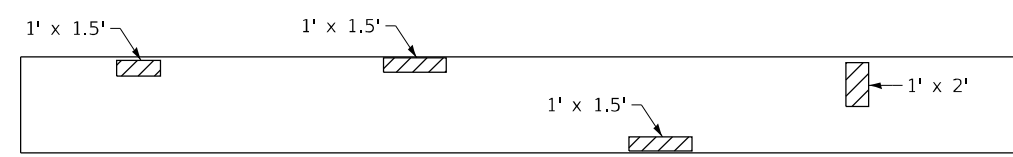


PLAN VIEW

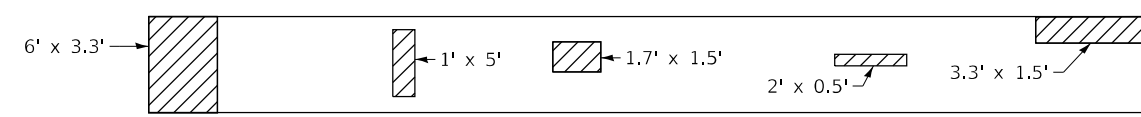


UNDERNEATH VIEW

WEST ARCH



PLAN VIEW



UNDERNEATH VIEW

EAST ARCH

SPAN NO. 4

BILL OF MATERIAL - SPAN NO. 4

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		134.6	134.6

"SHEET NOT TO SCALE"

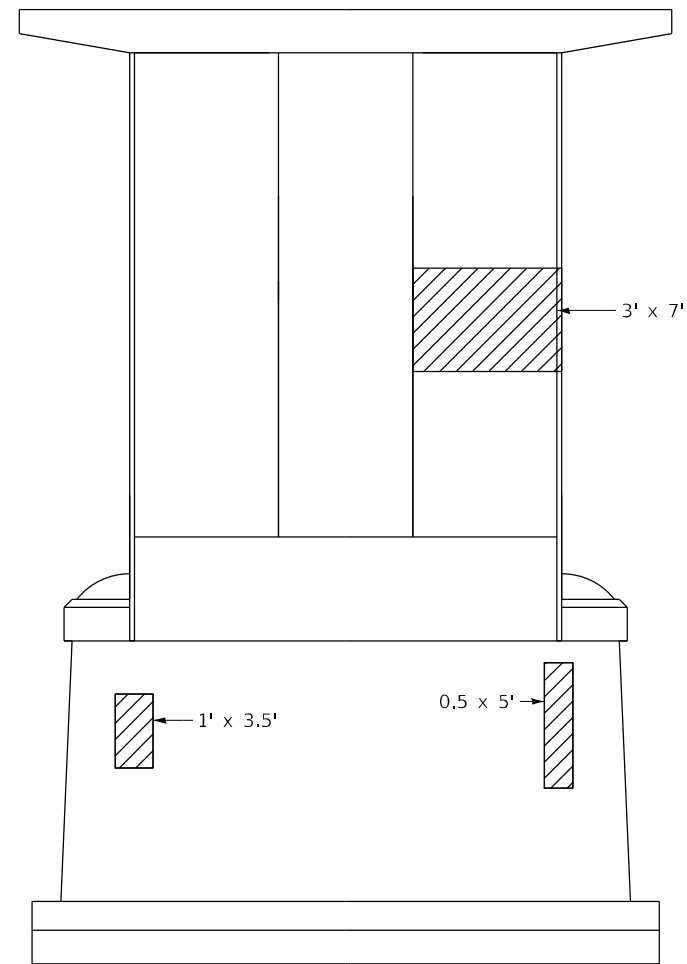
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Default	PLOT SCALE = 3.9370"/mm	CHECKED - EM	REVISED -
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

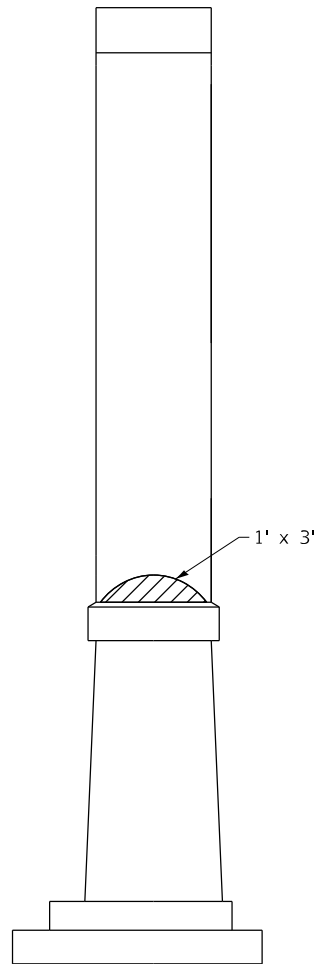
**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - SPAN NO. 4**

SCALE: SHEET 17 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

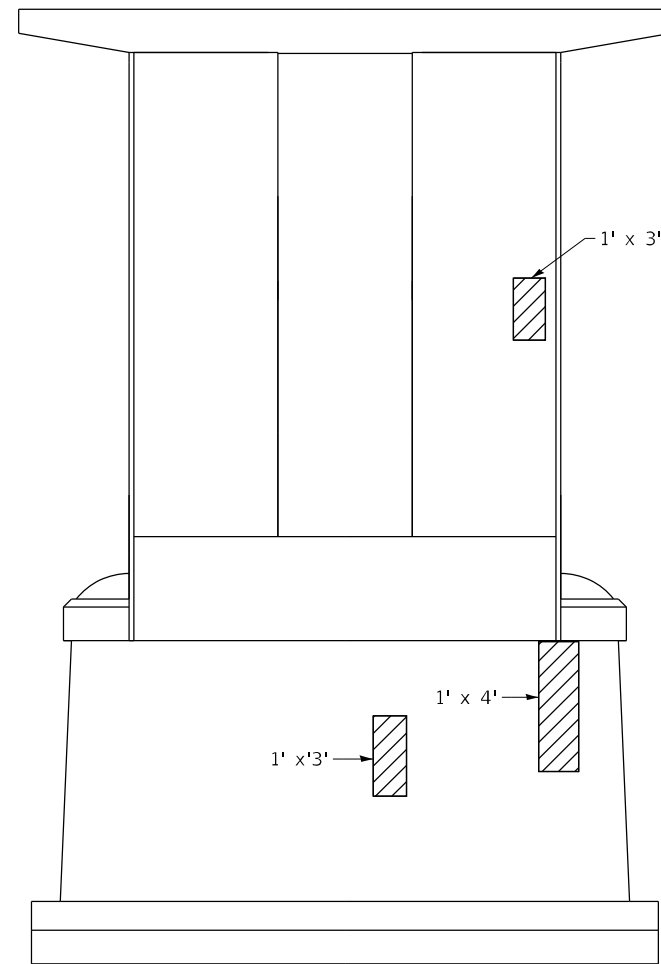
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	32
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



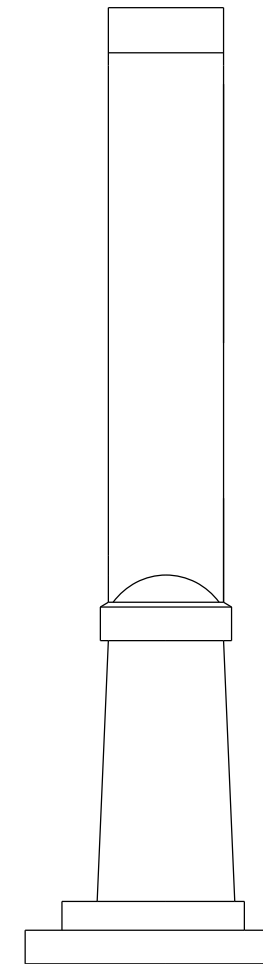
NORTH FACE



WEST FACE



SOUTH FACE



EAST FACE

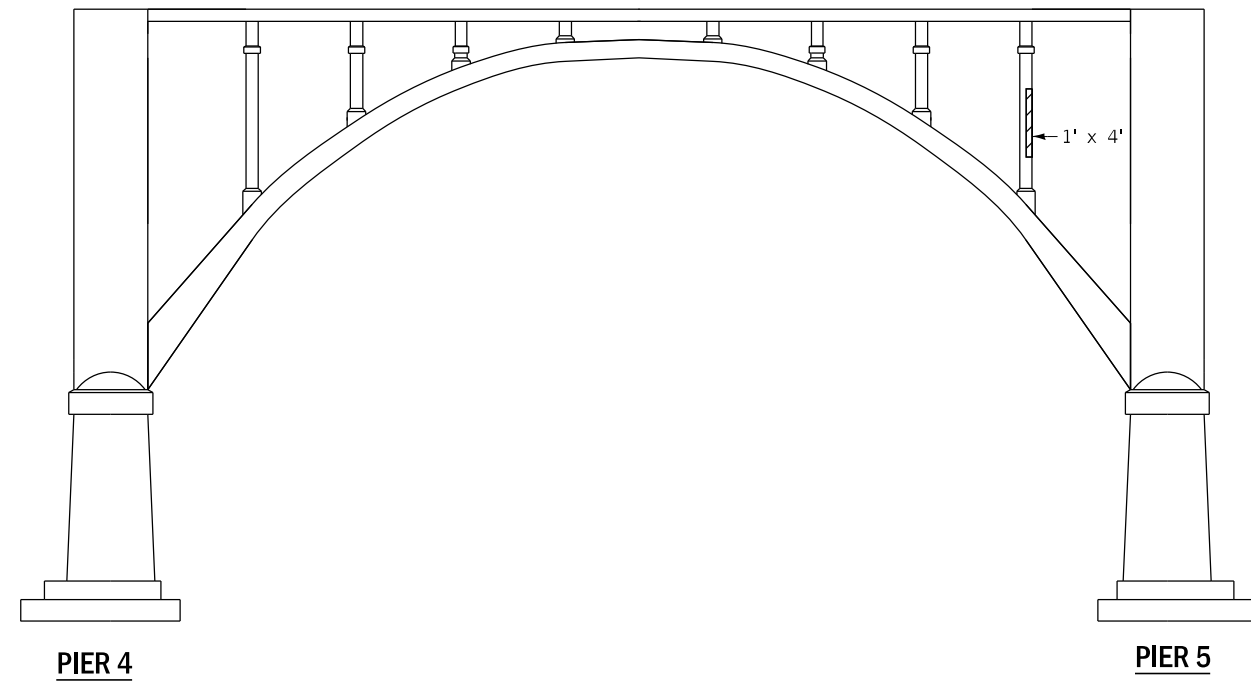
PIER NO. 4

BILL OF MATERIAL - PIER NO. 4

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		40	40

"SHEET NOT TO SCALE"

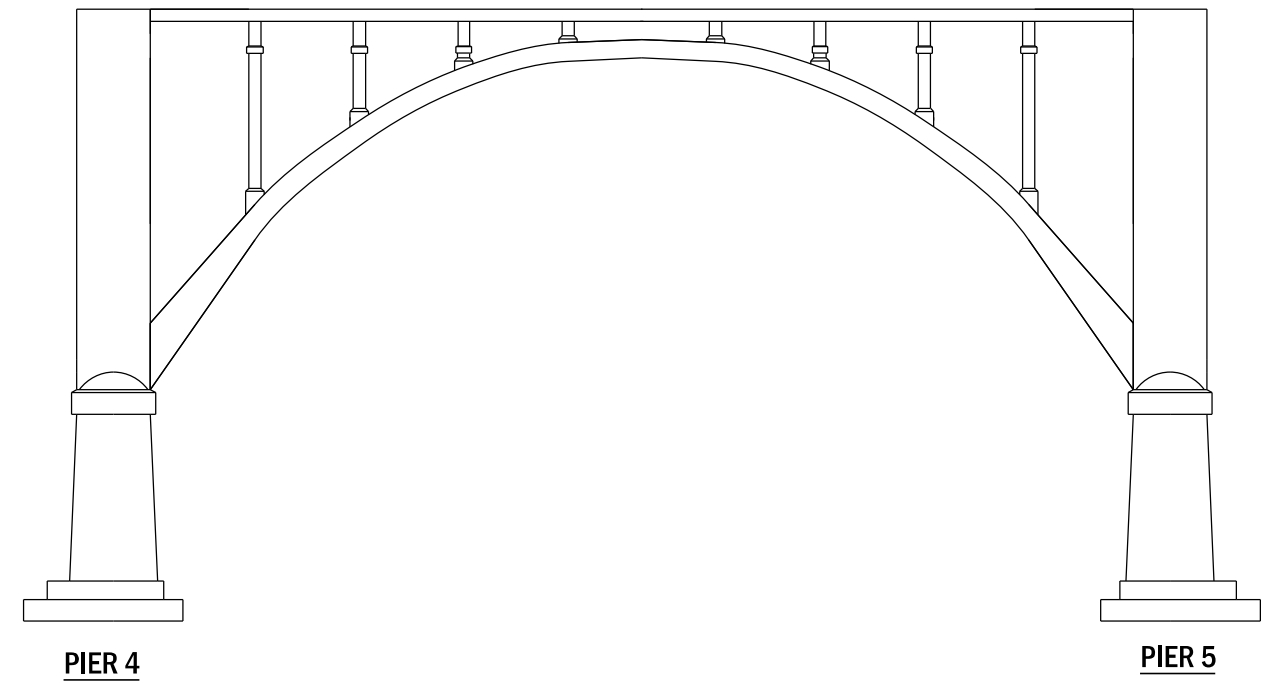
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Default	PLOT SCALE = 3.9370" / mm	CHECKED - EM	REVISED -			CONTRACT NO. 66H91				
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -			SCALE:	SHEET 18 OF 24 SHEETS	STA. 194+69.48 TO STA. 199+01.48	ILLINOIS FED. AID PROJECT	



PIER 4

PIER 5

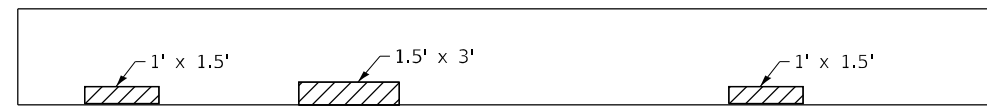
WEST FACE



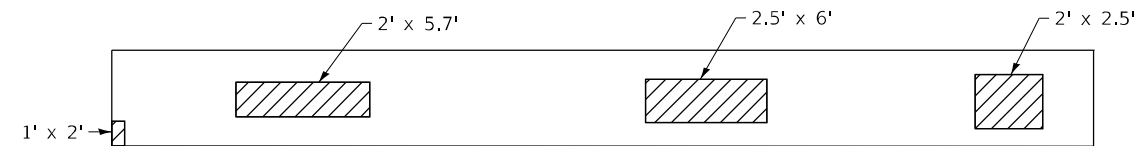
PIER 4

PIER 5

EAST FACE

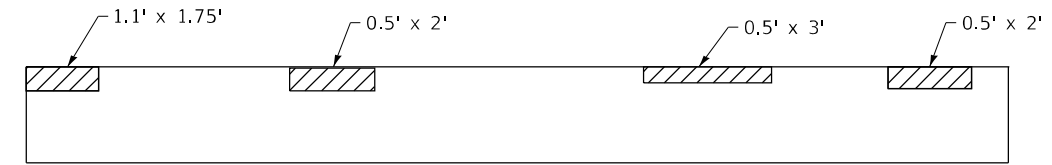


PLAN VIEW

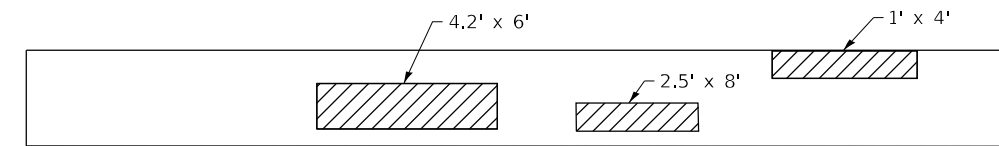


UNDERNEATH VIEW

WEST ARCH



PLAN VIEW



UNDERNEATH VIEW

EAST ARCH

SPAN NO. 5

BILL OF MATERIAL - SPAN NO. 5

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		101.4	101.4

"SHEET NOT TO SCALE"

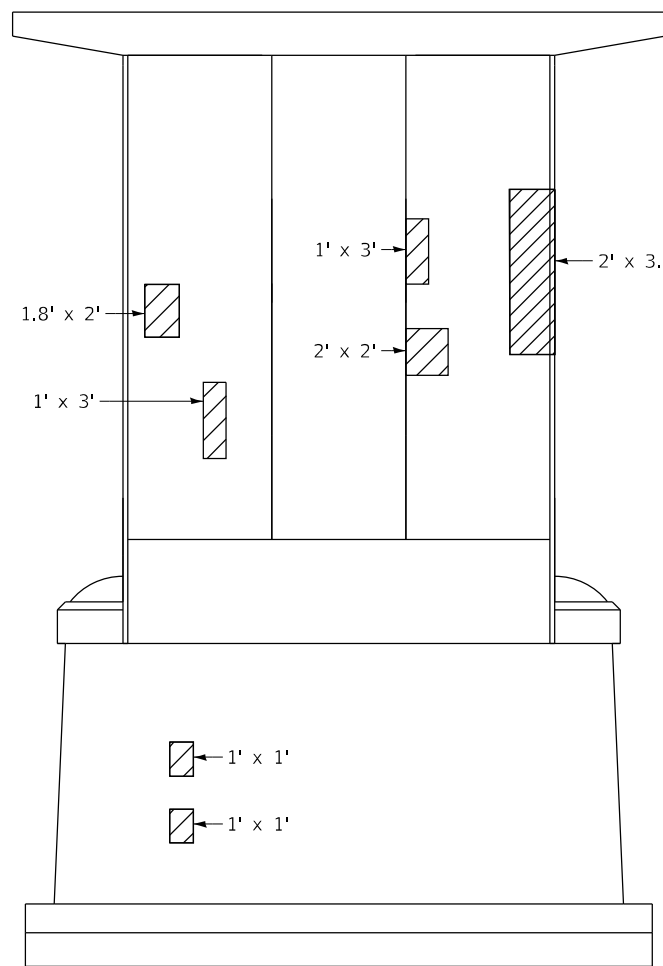
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Default	PLOT SCALE = 3.9370"/mm	CHECKED - EM	REVISED -
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

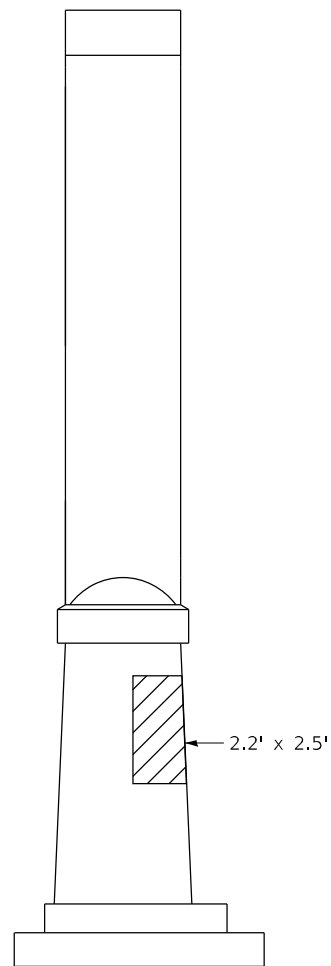
**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - SPAN NO. 5**

SCALE: SHEET 19 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

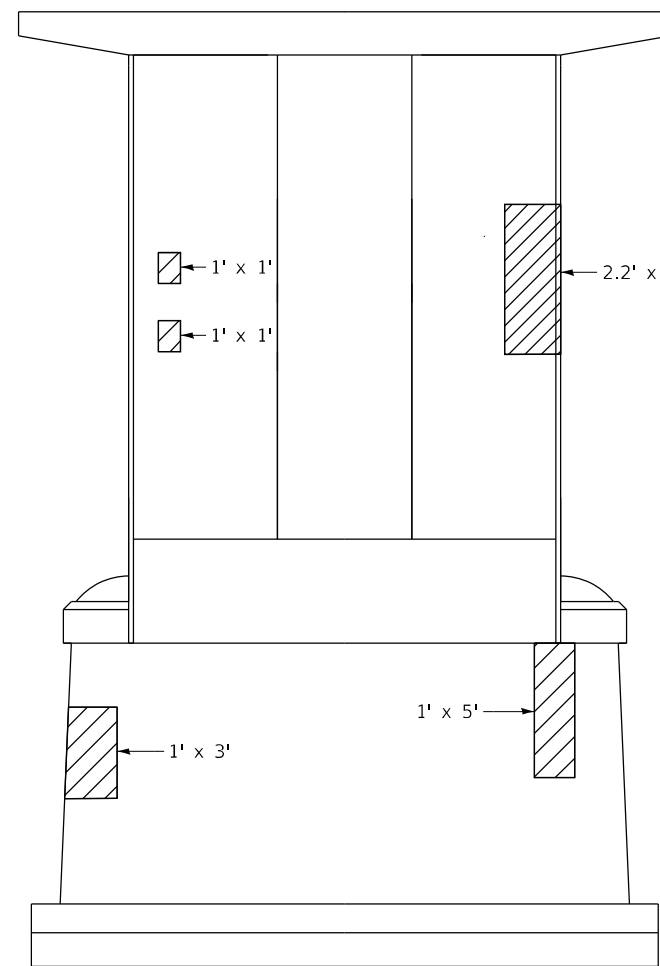
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	34
			CONTRACT NO. 66H91	
ILLINOIS		FED. AID PROJECT		



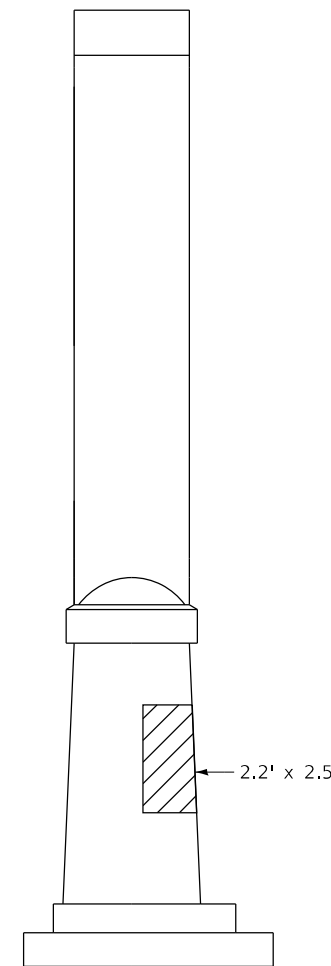
NORTH FACE



WEST FACE

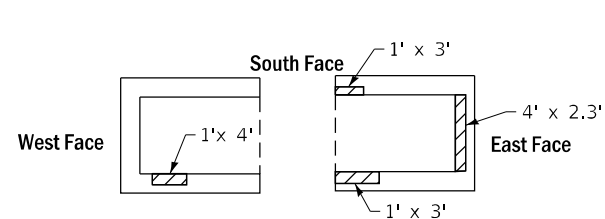


SOUTH FACE

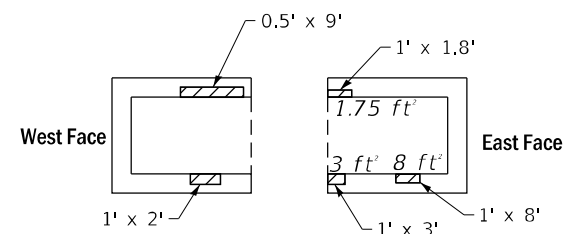


EAST FACE

PIER NO. 5



UPPER CHAMBER



**NORTH FACE
LOWER CHAMBER**

**PIER NO. 5 COLUMNS
PLAN VIEW**

BILL OF MATERIAL - PIER NO. 5

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		89.1	89.1

"SHEET NOT TO SCALE"

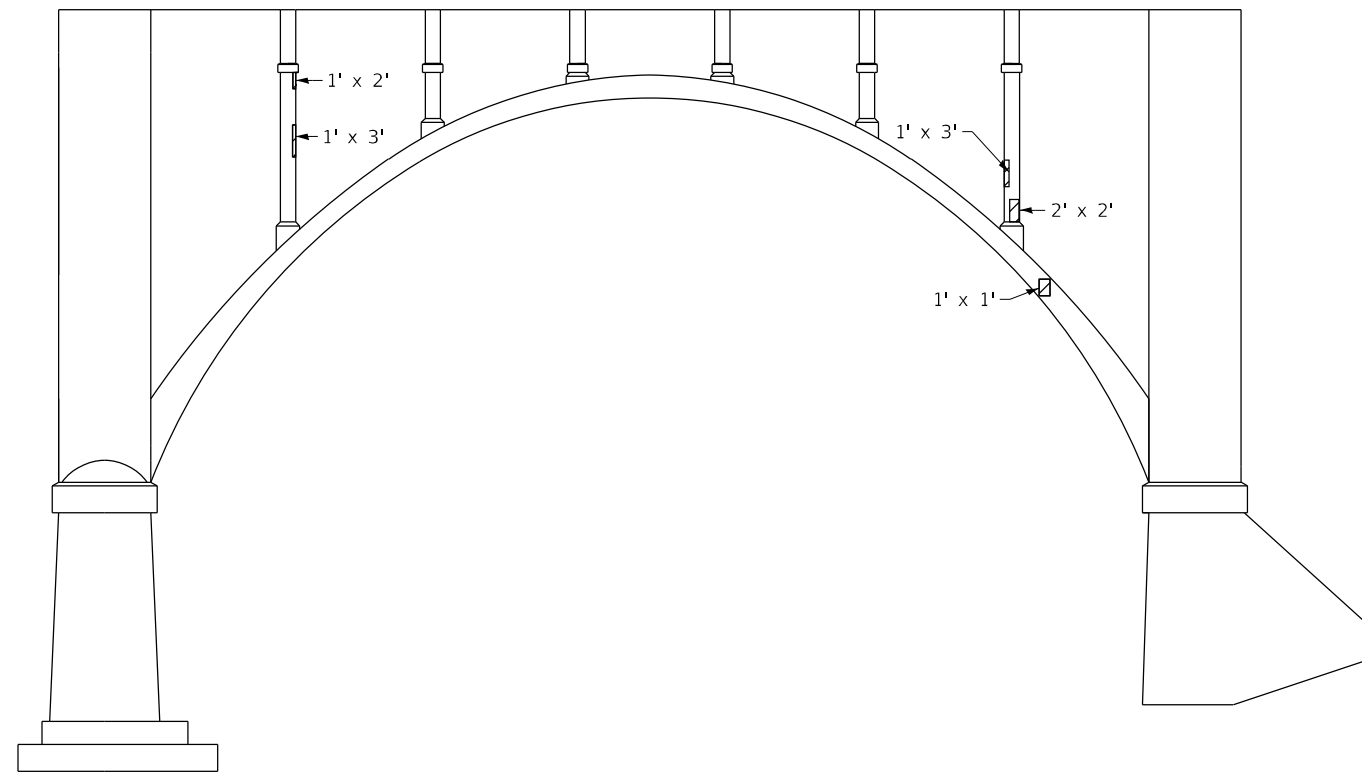
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		PLOT SCALE = 3,9370 / mm	CHECKED - EM	REVISED -
Default		PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 5**

SCALE: SHEET 20 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

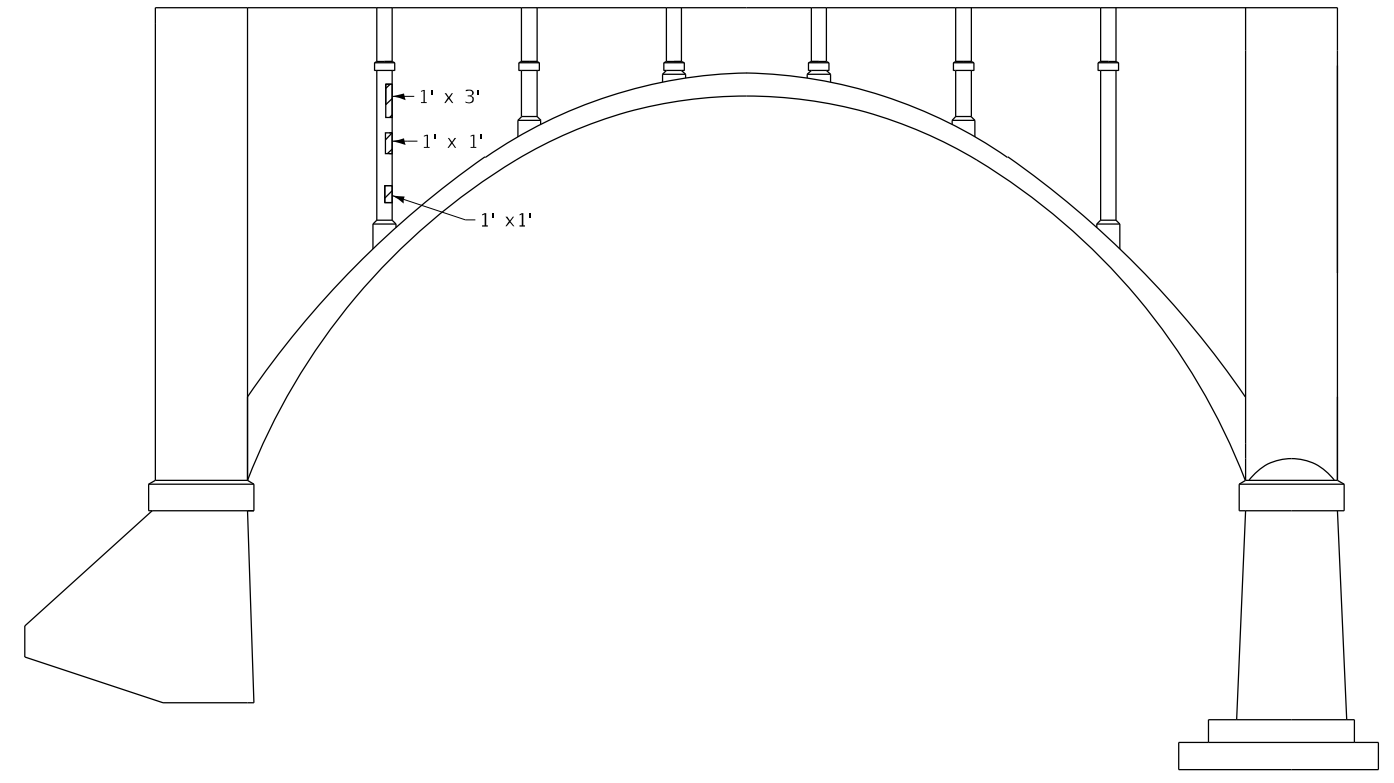
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	35
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



PIER 5

WEST FACE

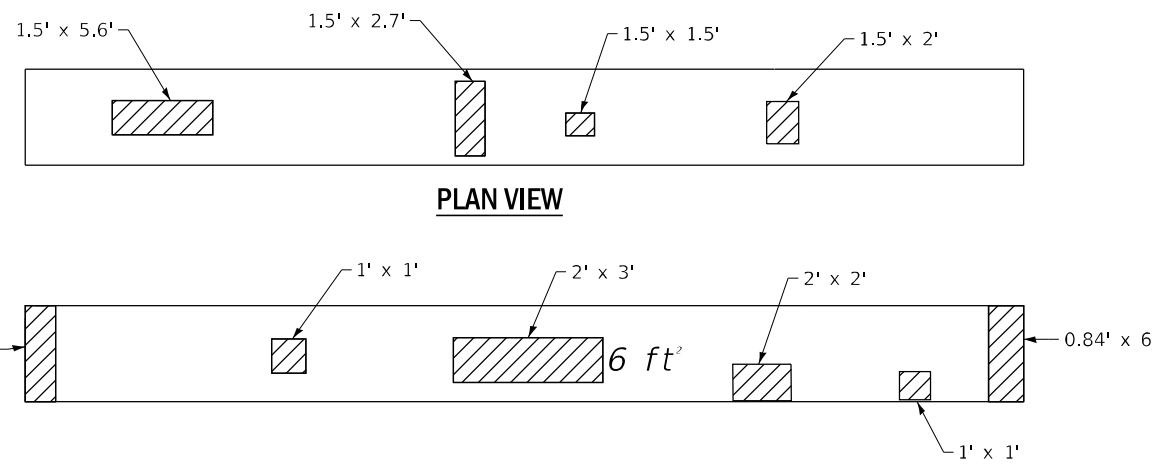
PIER 6



PIER 6

EAST FACE

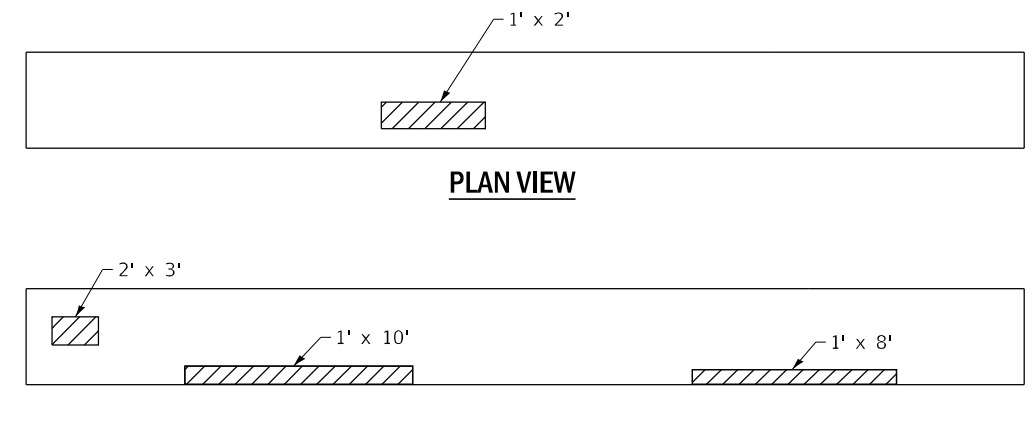
PIER 5



PLAN VIEW

UNDERNEATH VIEW

WEST ARCH



PLAN VIEW

UNDERNEATH VIEW

EAST ARCH

SPAN NO. 6

BILL OF MATERIAL - SPAN NO. 6

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		87.9	87.9

"SHEET NOT TO SCALE"

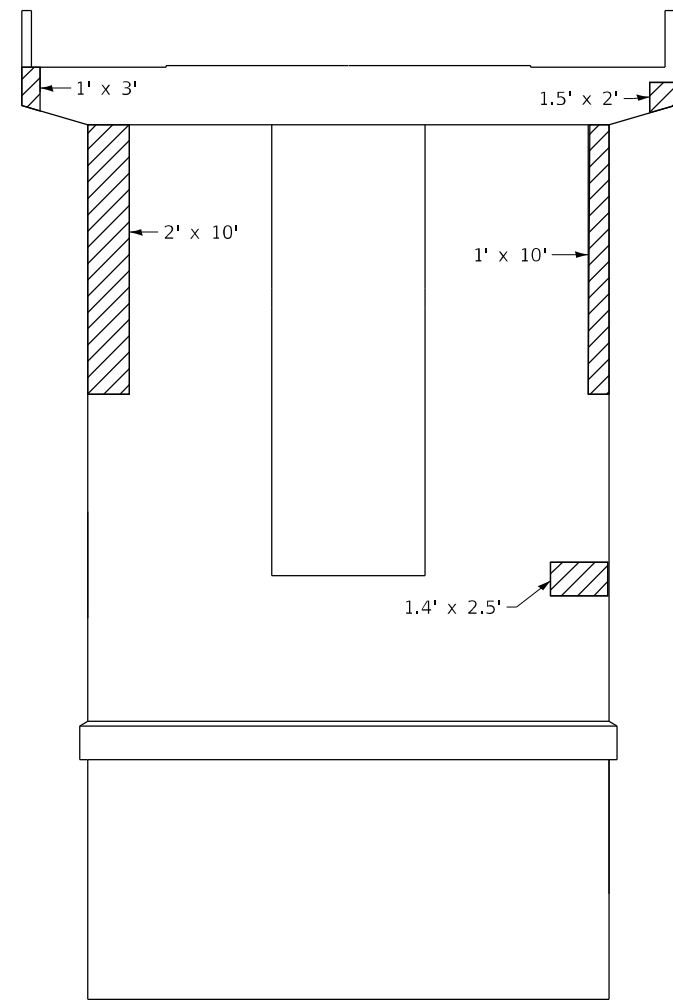
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Default	PLOT SCALE = 3.9370"/mm	CHECKED - EM	REVISED -
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

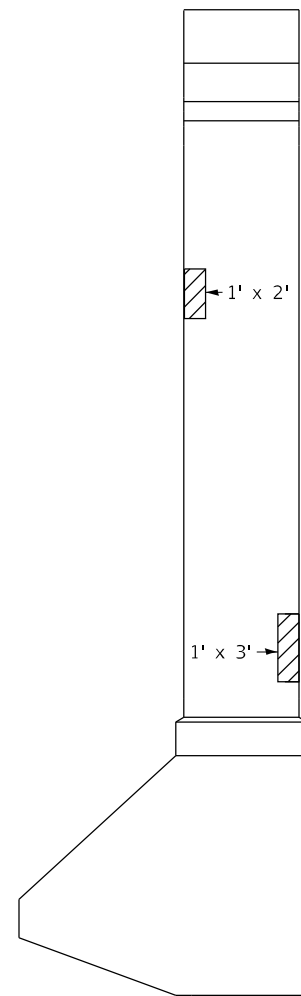
STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 5

SCALE: SHEET 21 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

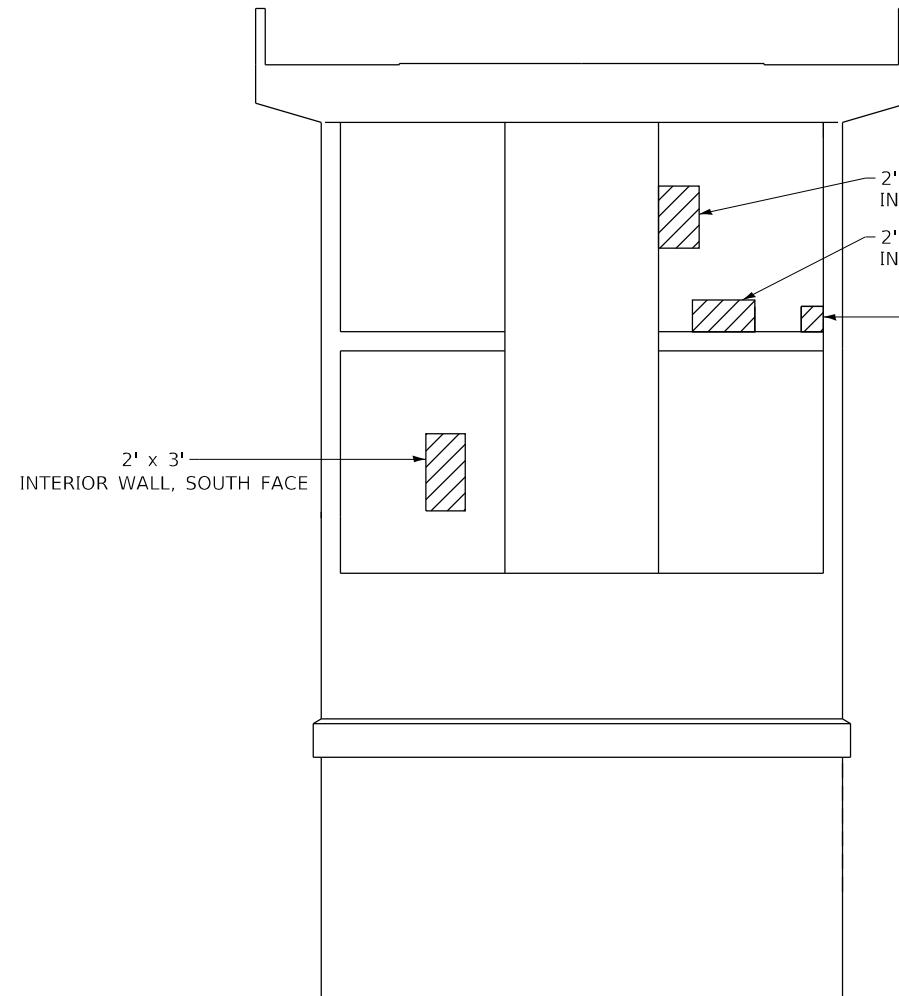
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	36
			CONTRACT NO. 66H91	
		ILLINOIS	FED. AID PROJECT	



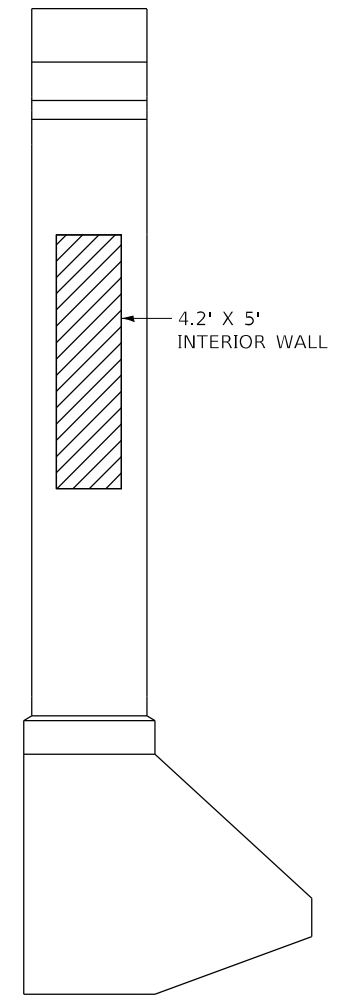
NORTH FACE



WEST FACE



SOUTH FACE



EAST FACE

PIER NO. 6

BILL OF MATERIAL - PIER NO. 6

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		64.5	64.5

"SHEET NOT TO SCALE"

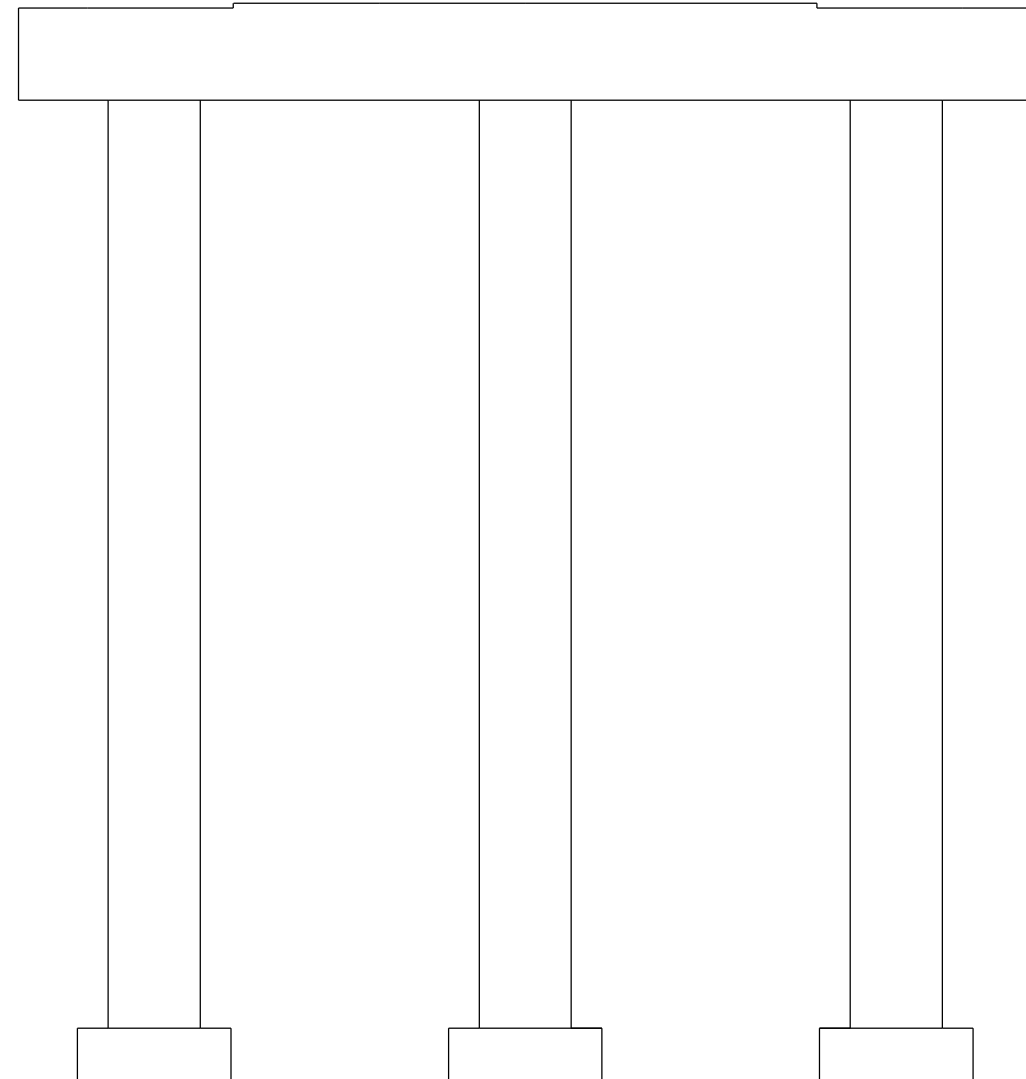
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Default	PLOT SCALE = 3.9370" / mm	CHECKED - EM	REVISED -
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

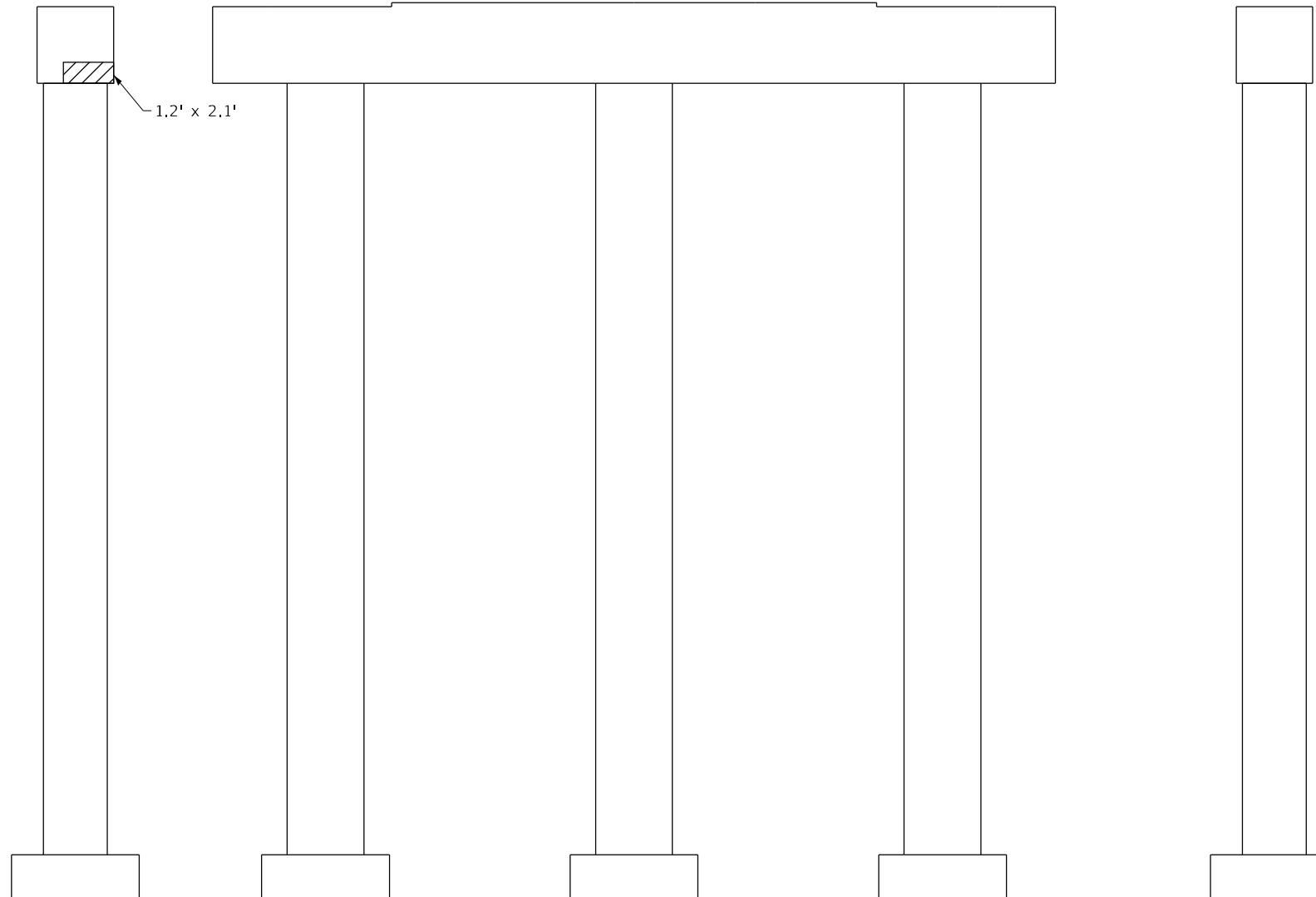
**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 6**

SCALE: SHEET 22 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	37
			CONTRACT NO. 66H91	
		ILLINOIS FED. AID PROJECT		



NORTH FACE



WEST FACE

PIER NO. 7

SOUTH FACE

EAST FACE

BILL OF MATERIAL - PIER NO. 7

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURAL REPAIR OF CONCRETE, (DEPTH EQUAL TO OR LESS THAN 5 INCH)	SQ. FT.		2.5	2.5

"SHEET NOT TO SCALE"

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -
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Default	PLOT SCALE = 3.9370' / mm	CHECKED - EM	REVISED -
	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL REPAIR OF CONCRETE DETAILS
FOR STRUCTURE NO. 050-0096 - PIER NO. 7**

SCALE: SHEET 23 OF 24 SHEETS STA. 194+69.48 TO STA. 199+01.48

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1279	(108BR)BRR	LASALLE	45	38
			CONTRACT NO. 66H91	
		ILLINOIS	FED. AID PROJECT	

B.M.: Chiseled "□" Top of South end of West Conc. Bridge Curb at 13.5' Rt. Sta.199+80 El. 550.32.

Exist. Structure: # 050-0096, Built in 1934, Rehabilitated in 1968; Eight Spans; 3 main Spans are Spandrel Arch Structure with 9" R.C. Slab with 5 1/2" Conc. wearing surface. The two South approach spans and three North approach spans are R.C. Slab, supported by R.C. Column Piers and Abuts. Bridge Roadway width is 25'-6" E to F of curb; Length is 392'-0" BK. to BK. of Abuts.

The Conc. Slab and Wearing Surface shall be removed and replaced. Part of substructure and part of Spandrels shall be removed and rebuilt to support the widened new superstructure. No Salvage. Traffic to be re-routed during construction on a marked detour.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
256	108-BR	LA SALLE	34	11
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT	SHEET 1 OF 20		

WATERWAY INFORMATION

This project qualifies for an exemption from the standard hydraulic requirements per design memorandum no. 87-24, items 1 & 2 of the last paragraph.

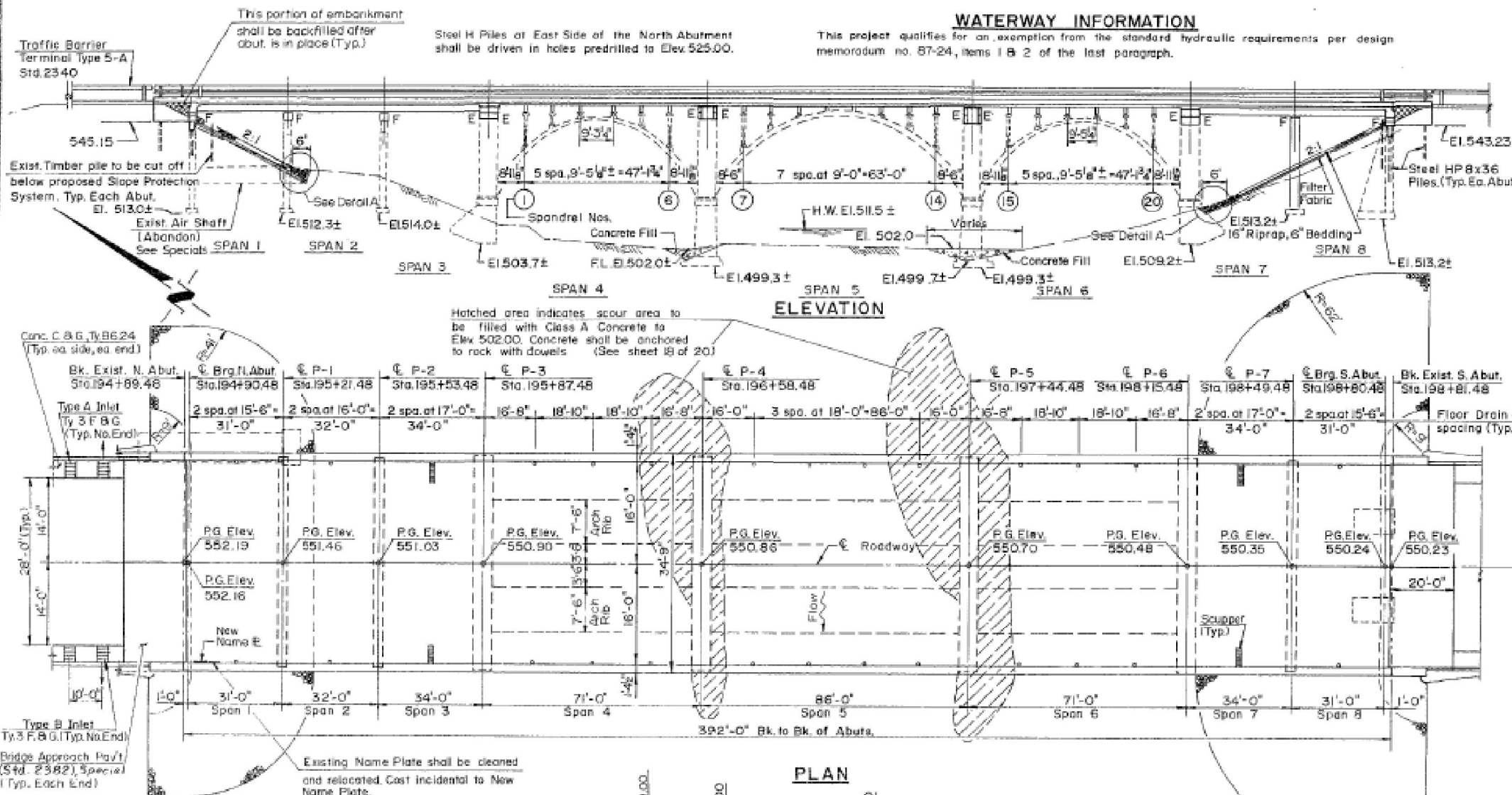
GENERAL NOTES

- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.
- LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.
- THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK, IN ADDITION TO ALLOWANCE FOR DEAD LOAD DEFLECTION. (FOR ARCH SPANS ONLY.)
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NORMAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE CONTRACTOR SHALL DRIVE 2-HP8X36 TEST PILES IN A PERMANENT LOCATION, ONE AT EACH ABUTMENT AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
- CALCULATED AREA OF BRIDGE SEAT SEALER IS 291 SQ. FT.
- ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH THE ZINC-SILICATE AND VINYL PAINT SYSTEM.
- EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS., AND 3/4" Ø X 18" HOOKED BOLTS.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SLB	TOTAL
Porous Granular Embankment	Cu.Yd.	---	60	60
Concrete Removal	Cu.Yd.	672	188	860
Structure Excavation	Cu.Yd.	---	67	67
Pipe Drains 6" Special	Lin. Ft.	---	96	96
Floor Drains	Each	26	---	26
Preformed Joint Seal 2 1/2"	Lin. Ft.	68	68	68
Preformed Joint Seal 4"	Lin. Ft.	68	68	68
Class X Concrete Superstructure	Cu.Yd.	452.5	---	452.5
Elastomeric Bearing Assembly, Type I	Each	---	8	8
Class A Concrete	Cu.Yd.	---	134	134
Class X Concrete	Cu.Yd.	---	242.5	242.5
Formed Concrete Repair (Depth Greater than 1 1/2")	Sq. Ft.	---	144	144
Furnishing and Erecting R.R.C. I-Beams 36 in.	Lin. Ft.	641	---	641
Steel Bridge Rail	Lin. Ft.	825	---	825
Reinforcement Bars	Pound	760	29,510	30,270
Reinforcement Bars, Epoxy Coated	Pound	105,820	6,070	111,890
Furnishing Steel Piles HP8x36	Lin. Ft.	---	189	189
Driving Steel Piles	Lin. Ft.	---	189	189
Test Pile Steel HP8x36	Each	---	2	2
Protective Coat	Sq. Yd.	186	---	186
Name Plates	Each	1	---	1
Stone Riprap, Class A-4	Sq. Yd.	---	1,688	1,688
Drainage Scaupers	Each	4	---	4
Epoxy Crack Sealing	Lin. Ft.	---	40	40
Repair Concrete Structures	Sq. Ft.	---	28	28
Drill and Grout Dowel Rods	Each	---	710	710
Bridge Seat Sealer	L. Sum	---	1	1
Furnishing & Erecting Structural Steel	Pound	5,550	---	5,550
Filter Fabric for Use with Riprap	Sq. Yd.	---	1,752	1,752
Expansion Bolts 3/4" x 18"	Each	---	65	65

*See Special Provisions **Apply to curb only



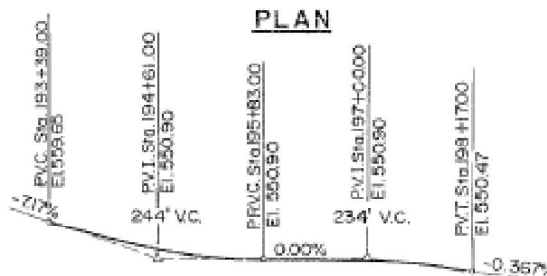
SEQUENCE OF CONSTRUCTION

The following Sequence of Construction is recommended to prevent possible damage to Piers 4 & 5.

- REMOVE THE SUPERSTRUCTURE IN SPANS 1, 2, 3, 7 & 8.
- REMOVE AND REBUILD THE ABUTMENTS AND PIERS 1, 2, 3, 6 & 7. (LIMITS OF SUPERSTRUCTURE REMOVAL IN SPANS 4 AND 5 AS REQUIRED TO REBUILD PIERS 3 AND 6 SHALL BE P.O.C. NEAREST SPANDREL.)
- REBUILD THE SUPERSTRUCTURE IN SPANS 1, 2, 3, 7 & 8.
- EXISTION PROVISIONS AT PIERS 4 & 5 (SEE SHEET 18) MUST BE COMPLETED PRIOR TO ANY WORK IN SPAN 4, 5 & 6.
- REMOVE THE SUPERSTRUCTURE IN SPAN 5.
- REMOVE THE SUPERSTRUCTURE IN SPANS 4 AND 6.
- REBUILD PIERS 4 AND 5 AND ABUTMENTS.
- REBUILD THE SUPERSTRUCTURE IN SPANS 4 AND 6.
- REMOVE THE SUPERSTRUCTURE IN SPANS 4 AND 5.

PROPOSED PROFILE GRADE

(Controls Grade from Sta. 194+69.73 to Sta. 199+01.23)



DESIGN SPECIFICATIONS

1983 AASHTO, 1984 thru 1988 Interims.

LOADING HS 20-44

DESIGN STRESSES FIELD UNITS

f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 10,000 p.s.i., 1,000 p.s.i.
fy = 270,000 p.s.i. (13 Strands)
fy = 89,000 p.s.i. (7 Strands)
design stresses are for New Construction only

STATION 196+85.48
REBUILT 198 BY
STATE OF ILLINOIS
F.A.S. RT. 256 SEC. 108-BR
F.A. PROJ. 84S-256 (16)
LOADING HS20
STR. NO. 050-0096

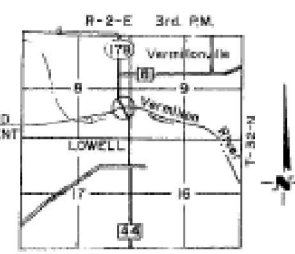
NAME PLATE

See Srd. 2113



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

J.W. Clark
Registered Structural Engineer



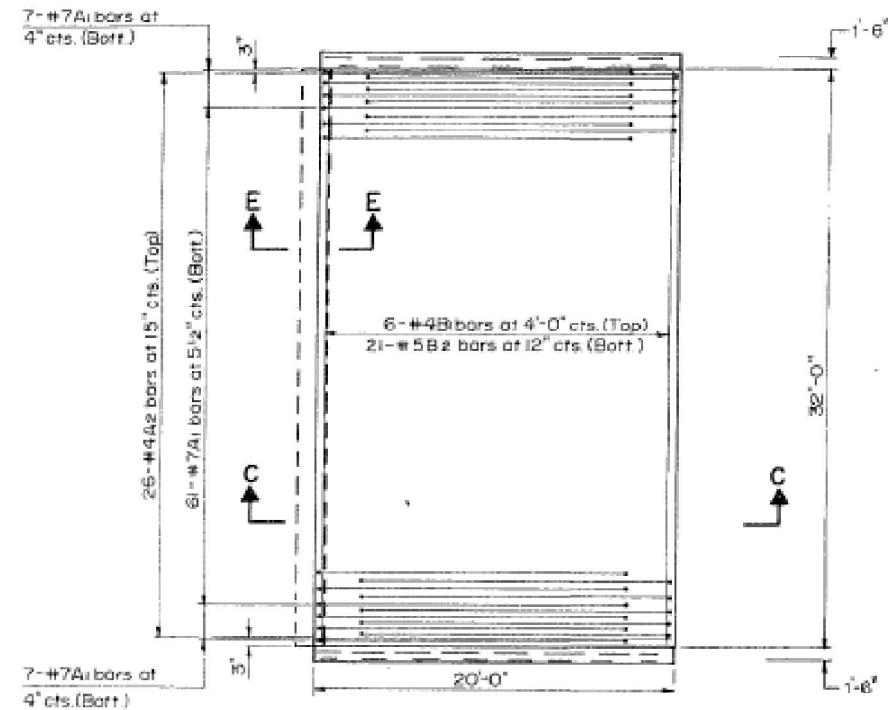
GENERAL PLAN & ELEVATION
IL. RTE. 178 OVER VERMILION RIVER
F.A.S. 256 SECTION 108-BR
LASALLE COUNTY
STA. 196+85.48
STR. NO. 050-0096

HSHONG ASSOCIATES LTD.
DESIGNED: WH CHECKED: []
DRAWN: R.H.H. DATE: [] NO. H-056

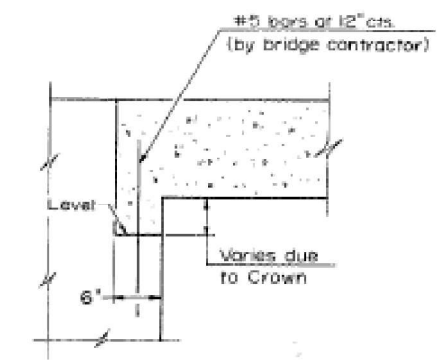
"FOR INFORMATION ONLY"

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 050-0096 "FOR INFORMATION ONLY"	F.A.S. RTE. 1279	SECTION (108BR)BR	COUNTY LASALLE	TOTAL SHEETS 45	SHEET NO. 39
pw\plnroom\dot\illinois.gov\PWDOT\Documents\DOT\Office\District 3\Projects\0366H91\CADData\0366H91-cover.dwg	PLOT SCALE = 3/320"=1'	CHECKED - EM	REVISED -	SCALE:	SHEET 1 OF 7 SHEETS	TO STA. 199+01.48	ILLINOIS	FED. AD PROJECT	CONTRACT NO. 66H91	
Default	PLOT DATE = 10/15/2020	DATE - 5/28/2020	REVISED -							

BRIDGE APPROACH PAVEMENT (STANDARD 2382), SPECIAL

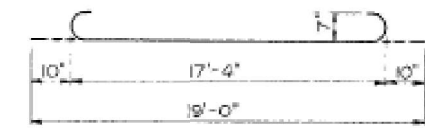


PLAN
(North Appr. Shown
South Appr. Similar)

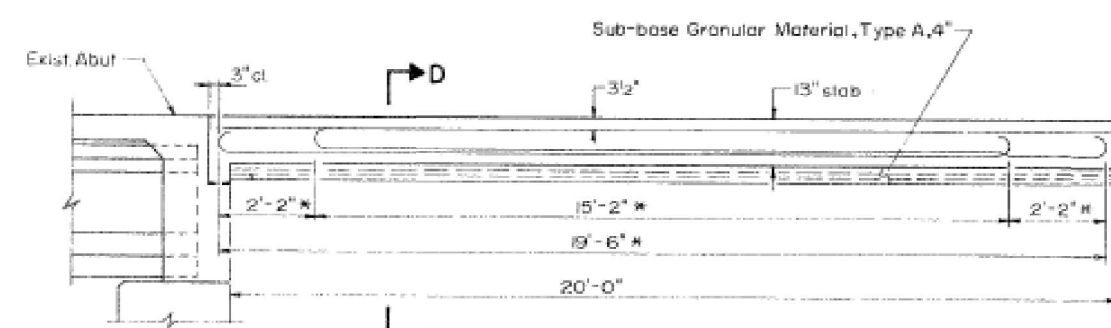


SECTION E-E

GENERAL NOTES
The cost of sub-base granular material shall be considered as included in the unit cost of the Bridge Approach Pavement (Standard 2382), Special



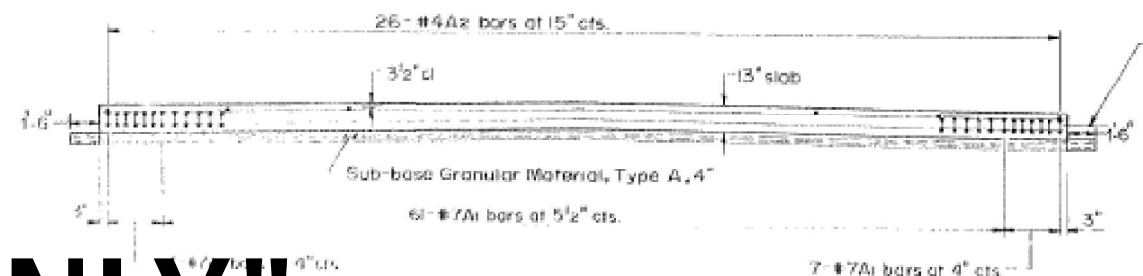
A1 BARS



SECTION C-C
* Stagger alternate #7 bars as shown on plan - full width.

BILL OF MATERIAL
(Both Approaches)

BAR	NO.	SIZE	LENGTH	SHAPE
A1	150	#7	19'-0"	C
A2	52	#4	19'-6"	—
B1	42	#4	3'-6"	—
B2	42	#5	3'-6"	—
ITEM		UNIT	QUANTITY	
Reinforcement Bars		Pounds	8140	
Bridge Approach Pav't.		Sq. Yd.	142.2	

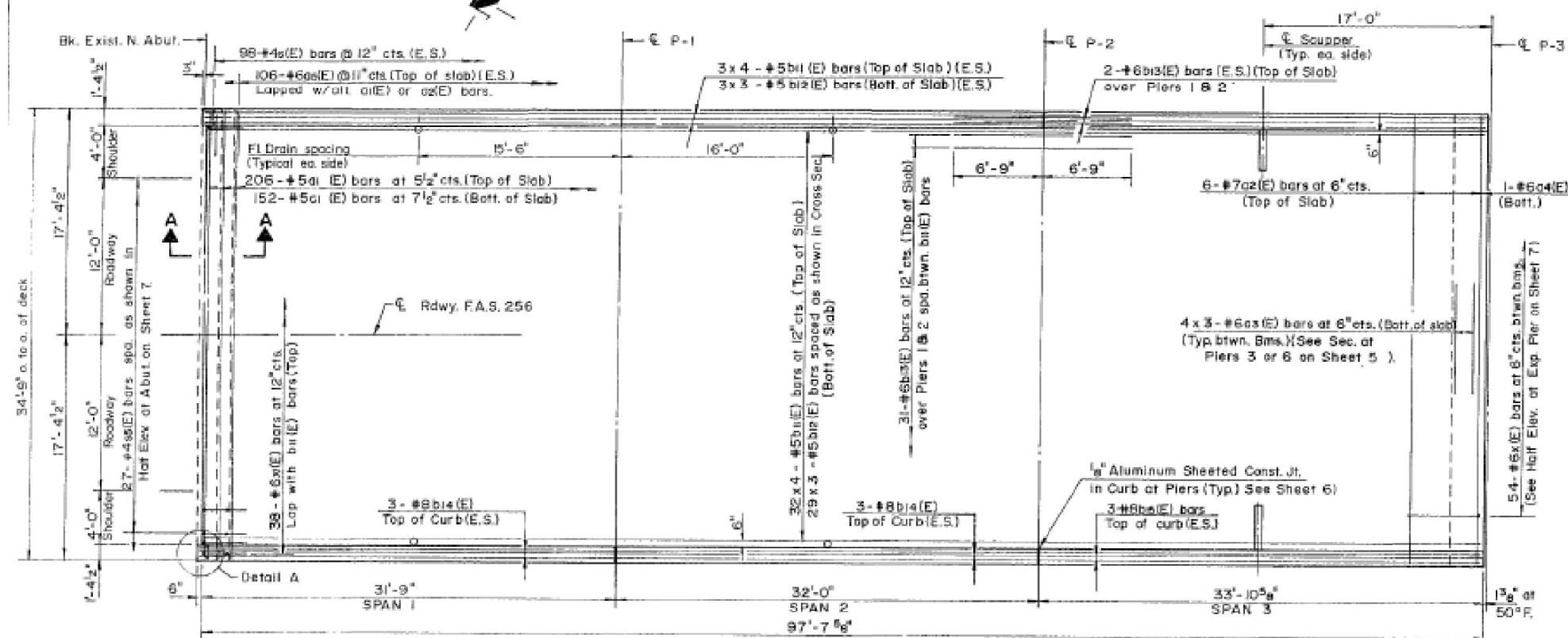


SECTION D-D

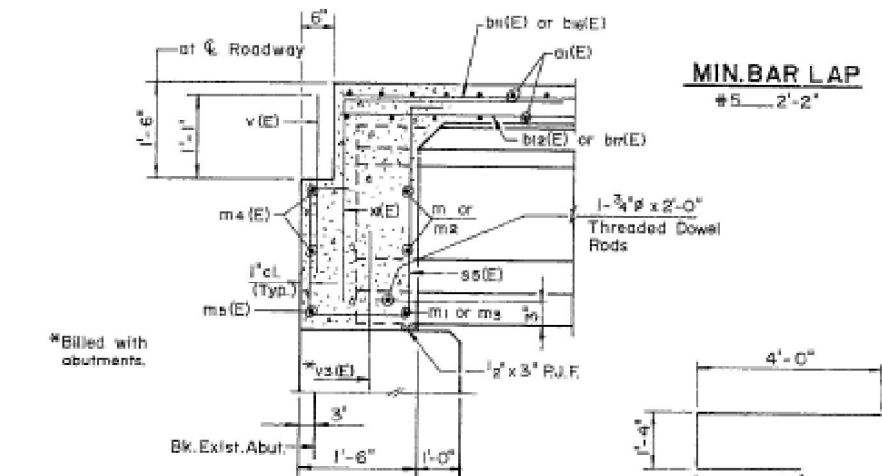
When curb is adjacent to approach slabs, place 1/2" Ø steel tie bars at 2'-6" cts. in accordance with the detail for Bulkhead Longitudinal Construction Joint shown on Standard 2323. Cost of tie bars will be included in the contract unit price for Bridge Approach Pavement (Standard 2382), Special.

"FOR INFORMATION ONLY"

FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE APPROACH PLANS FOR STRUCTURE NO. 050-0096			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\planroom.dot\illinois.gov\PWDOT\Documents\IDOT\offices\District 3\Projects\D366H91\CADData\D366H91-cover.dwg	PLOT SCALE = 3,9370 / 1 mm	DRAWN - RW	REVISED -					1279	(108BR)BRR	LASALLE	45	40
Default	PLOT DATE = 10/15/2020	CHECKED - EM	REVISED -		"FOR INFORMATION ONLY"			CONTRACT NO. 66H91				
	DATE = 5/28/2020	DATE =	REVISED -		SCALE:	SHEET 2 OF 7 SHEETS	STA. 194+69.48 TO STA. 199+01.48	ILLINOIS FED. AID PROJECT				



PLAN



SECTION A-A
(Typ. for No. and Sp. Abut.)

MIN. BAR LAP
#5 - 2'-2"

BAR x(E)

BILL OF MATERIALS

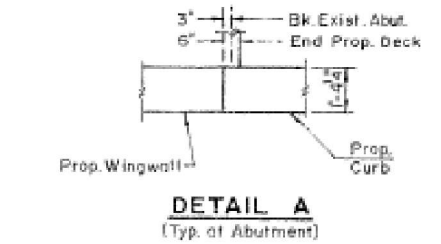
Bars	No	Size	Length	Shape
a1(E)	358	#5	34'-6"	□
a2(E)	6	#7	34'-6"	□
a3(E)	12	#6	8'-9"	□
a4(E)	1	#6	26'-6"	□
a5(E)	212	#6	4'-0"	□
b1(E)	152	#5	26'-0"	□
b2(E)	105	#5	34'-0"	□
b3(E)	70	#6	13'-6"	□
b4(E)	12	#8	31'-6"	□
b5(E)	6	#8	33'-6"	□
b6(E)	16	#5	2'-0"	□
m	30	#4	8'-9"	□
m1	15	#6	7'-9"	□
m2	4	#4	2'-6"	□
ms	2	#6	2'-0"	□
m4(E)	2	#4	34'-6"	□
m5(E)	1	#6	34'-6"	□
ma	8	#8	5'-6"	□
s	196	#4	5'-3"	□
ss(E)	27	#4	7'-8"	□
ss(E)	42	#4	9'-6"	□
v(E)	35	#5	2'-3"	□
x(E)	54	#6	7'-7"	□
xi(E)	38	#6	6'-0"	□

Concrete Removal	Cu Yds	227.5
Class X Conc. Superstr.	Cu Yds	114.5
Reinforcement Bars	Lbs.	480
Reinf. Bars, Epoxy Ctd.	Lbs.	27,850
Drainage Scupper	Ea	2
Floor Drains	Ea	4

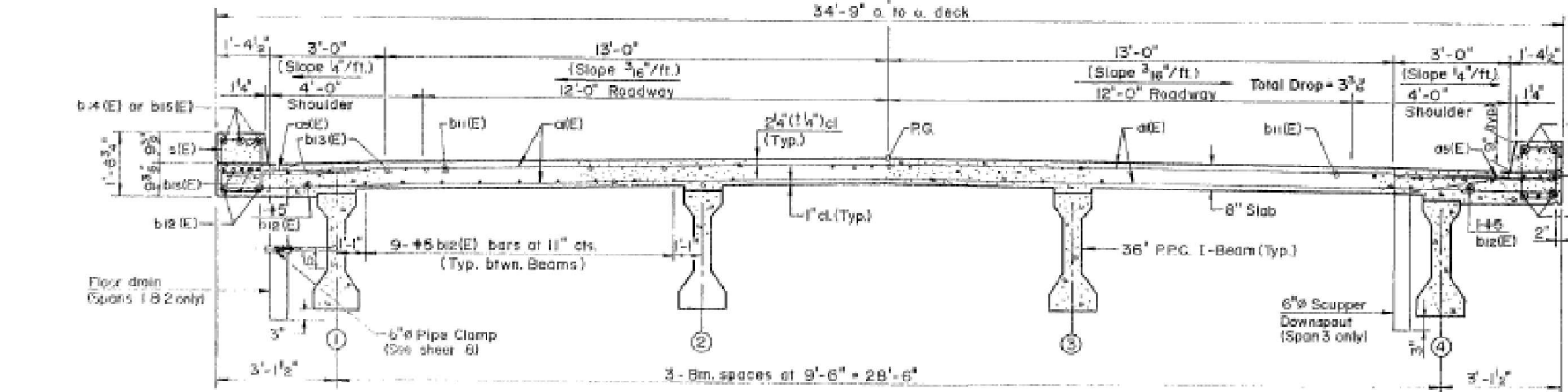
Bars indicated thus 32 x 3 - # etc., indicates 32 lines with 3 lengths per line
Bars indicated with (E) shall be epoxy coated.

DECK PLAN - SPANS 1, 2 & 3
F.A.S. 256 SECTION 108-BR
LASALLE COUNTY
STA. 196+85.48

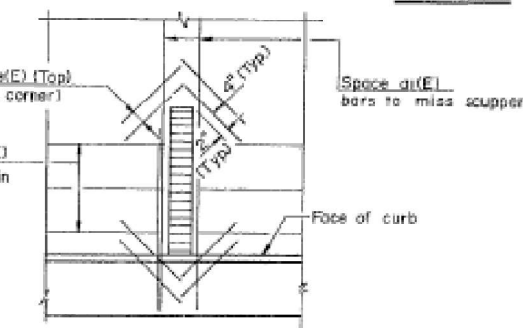
HSIONG ASSOCIATES LTD.	
DESIGNED: W.H.	CHECKED:
DRAWN: R.H.H.	DATE:



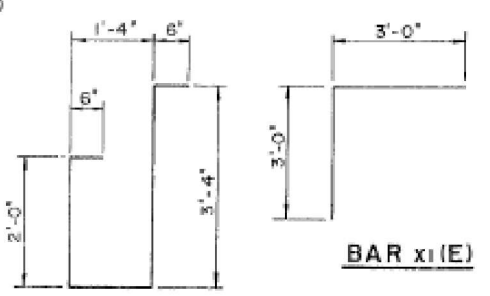
DETAIL A
(Typ. at Abutment)



NEAR PIERS **TYPICAL CROSS SECTION** **MID-SPANS**



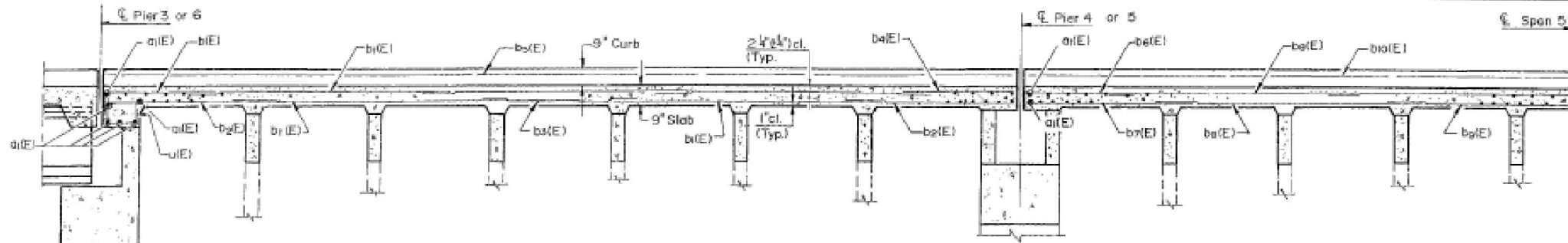
SCUPPER DETAIL
(Showing Reinforcement)



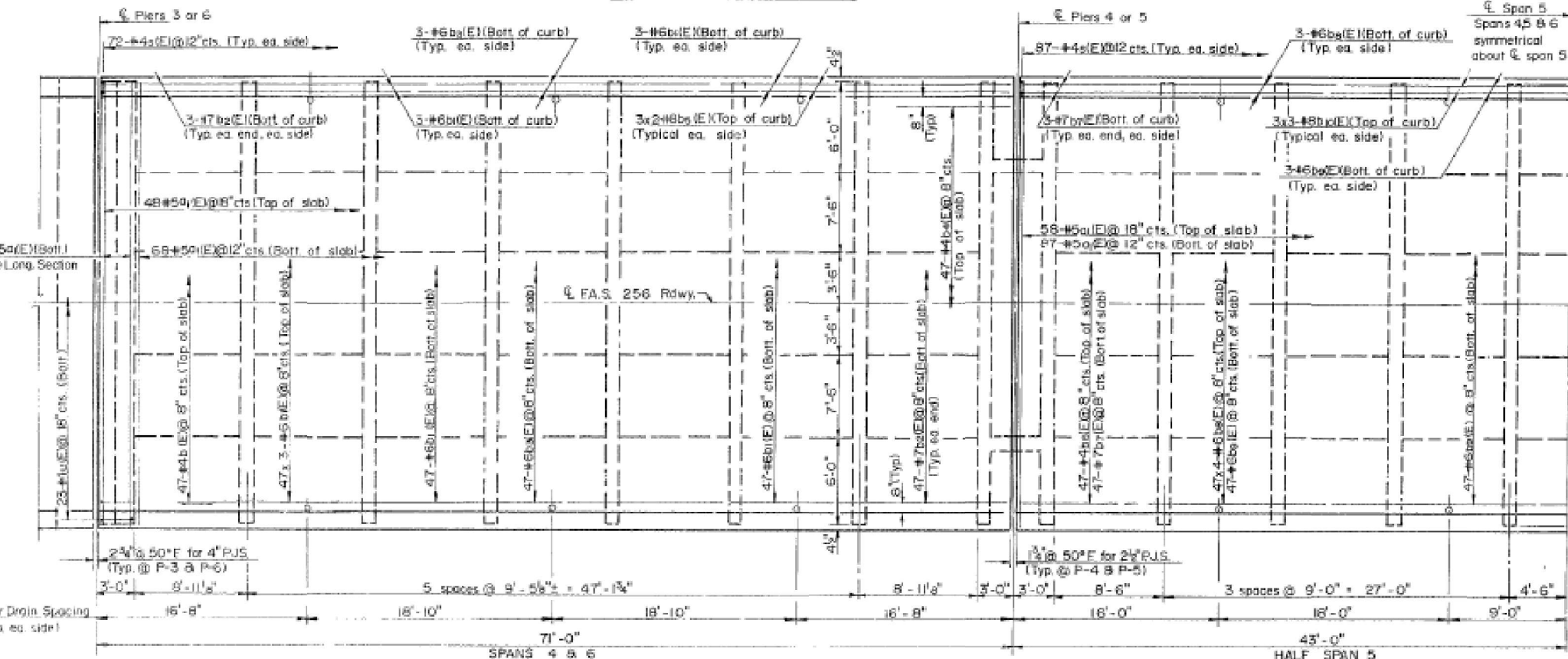
BAR s5(E)

NOTES: All edges shall have 3/4" Chamfer unless otherwise noted.
See sheet 5 for Sec. at Piers 1 & 2.
See sheet 5 for Sec. at Pier 3.
For section thru curb and floor drain details, see sheet 3.

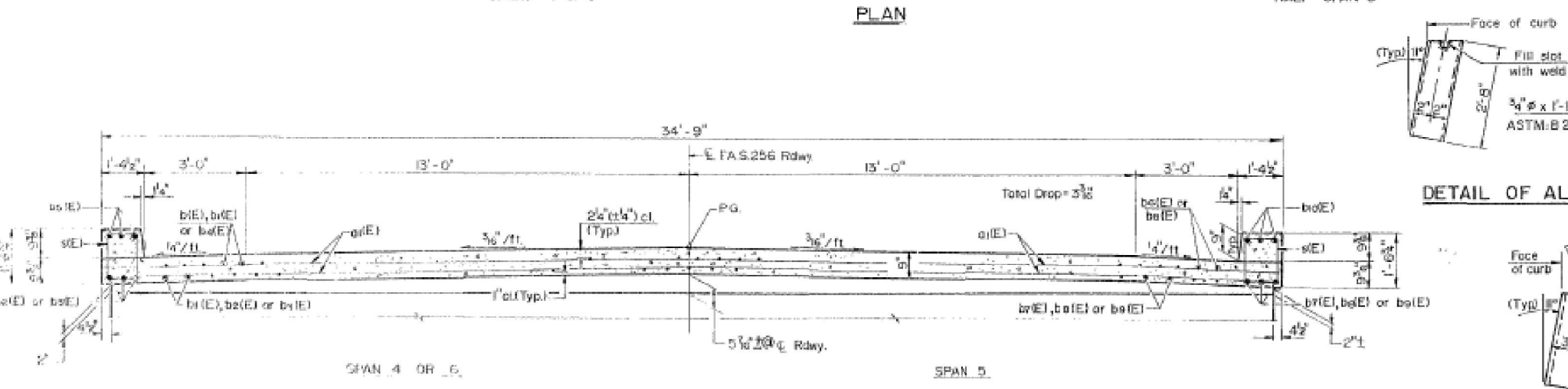
"FOR INFORMATION ONLY"



LONGITUDINAL SECTION



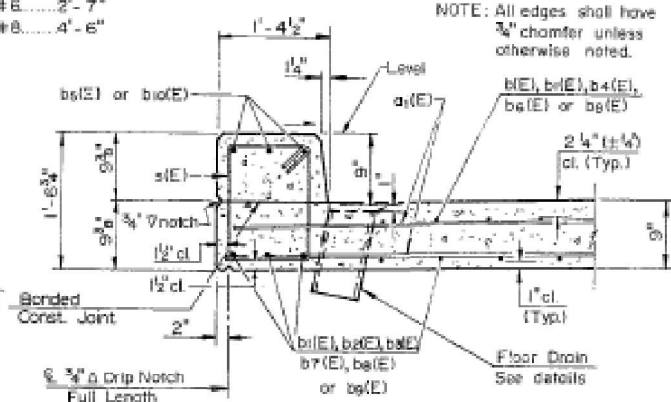
PLAN



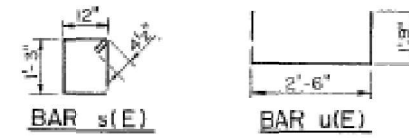
TYPICAL CROSS SECTION

MIN. BAR LAP

- #4 1'-8"
- #6 2'-7"
- #8 4'-6"



SECTION THRU CURB

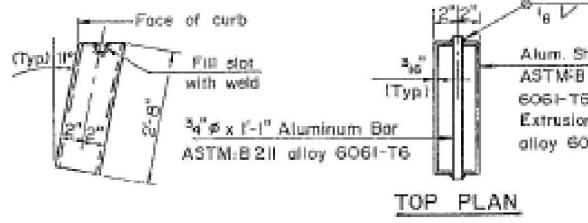


BILL OF MATERIAL

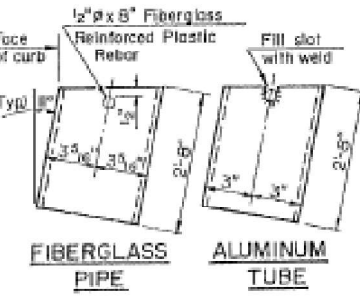
BAR NO.	SIZE	LENGTH	SHAPE
a(E)	385 #5	34'-6"	
b(E)	94 #4	8'-6"	
b1(E)	494 #6	21'-6"	
b2(E)	212 #7	13'-3"	
b3(E)	108 #6	12'-0"	
b4(E)	94 #4	7'-6"	
b5(E)	24 #8	37'-9"	
b6(E)	94 #4	8'-0"	
b7(E)	106 #7	12'-9"	
b8(E)	294 #6	20'-9"	
b9(E)	53 #6	29'-9"	
b10(E)	18 #8	31'-6"	
a1(E)	462 #4	5'-3"	
u(E)	46 #4	6'-0"	

Class X Conc. Superstr.	Cu. Yd.	259.9
Reinf. Bars, Epoxy Ctd.	Lbs.	59,000
Concrete Removal	Cu. Yd.	291.4
Floor Drains	Each	20

Bars designated (E) shall be epoxy coated.
 Bars indicated thus, 3x2-#8s, etc., indicates 3 lines of bars with 2 lengths each line.
 See sheet 5 for sections of piers and of floor beams.
 For Detail of Floor Drain, see sheet 3.
 For Sequence of Construction, see sheet 1.



DETAIL OF ALTERNATE FLOOR DRAIN

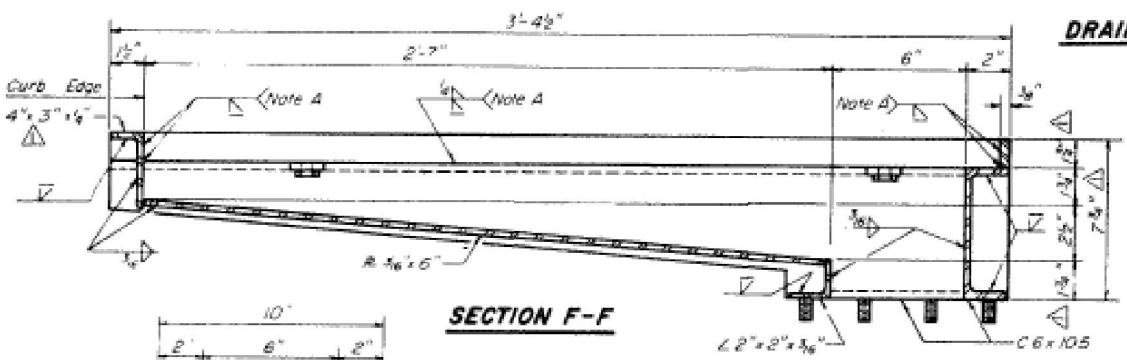
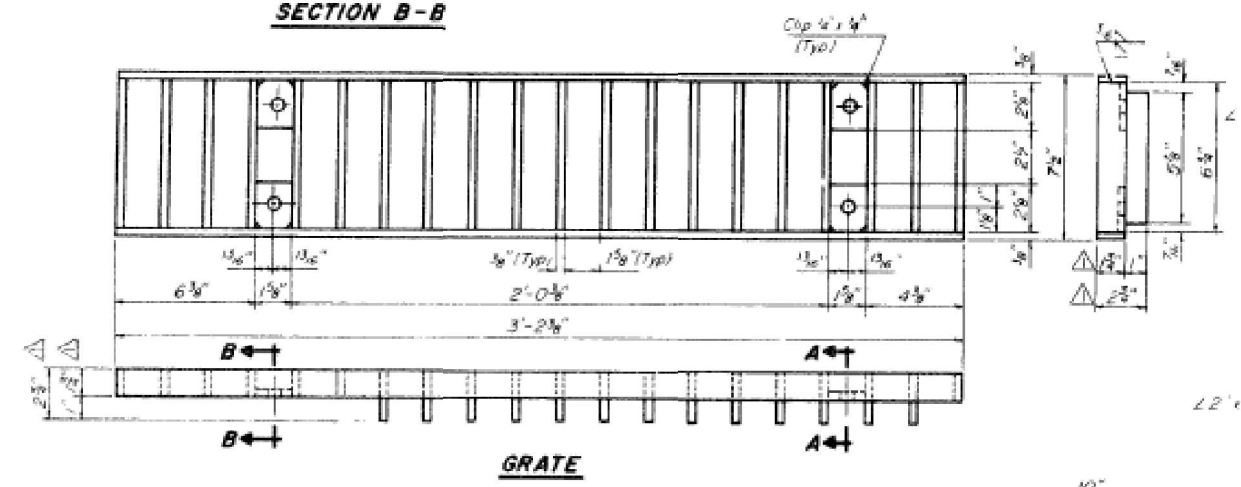
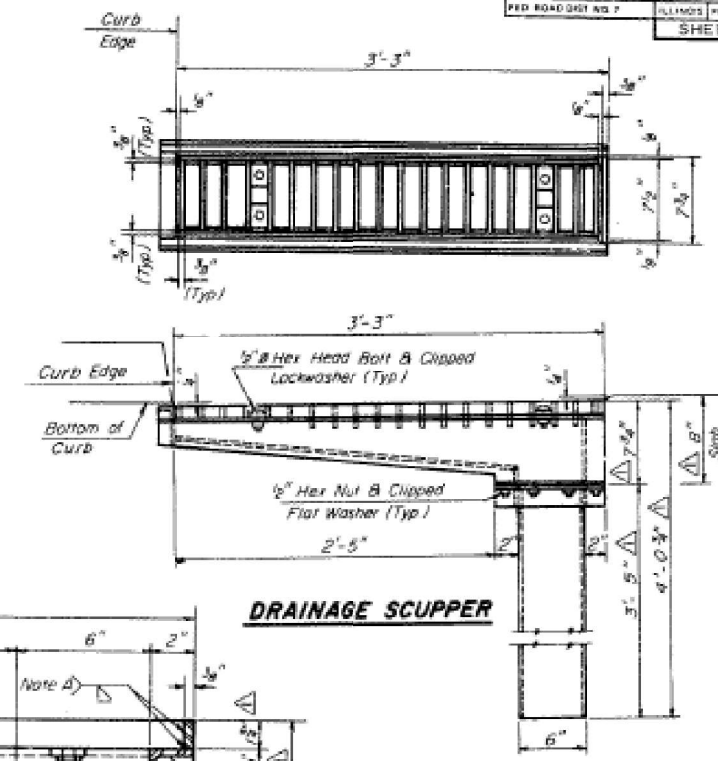
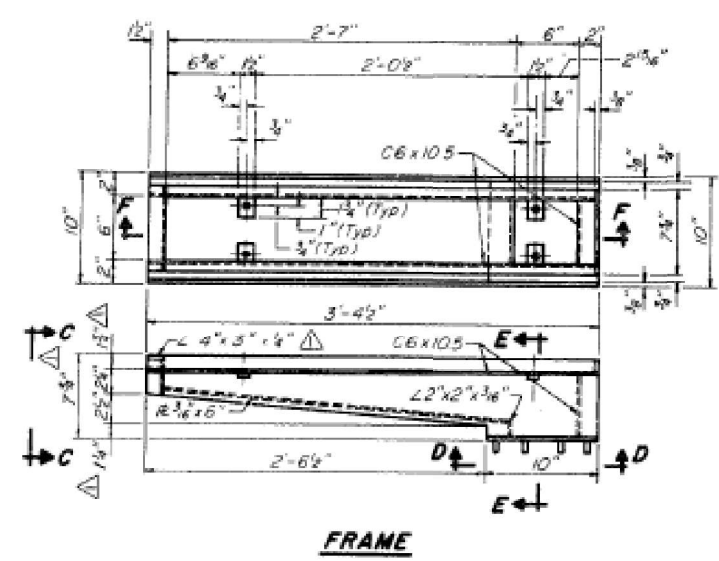
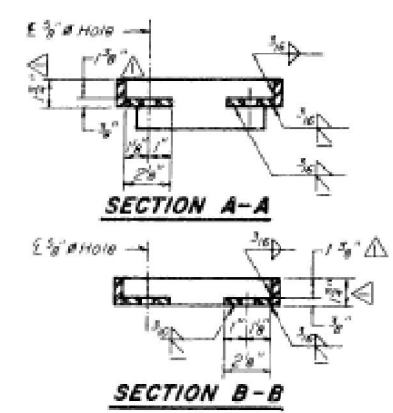


"FOR INFORMATION ONLY"

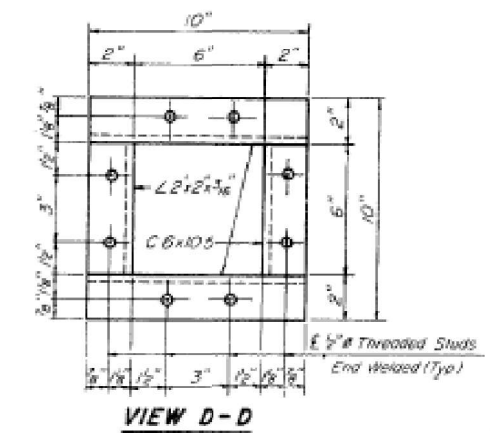
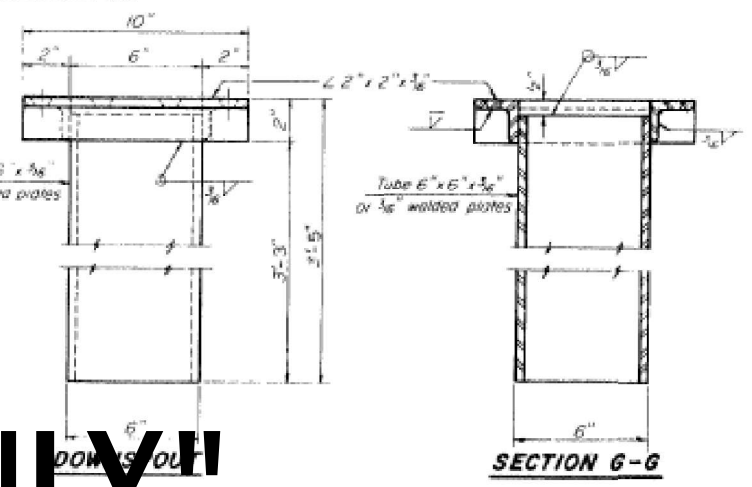
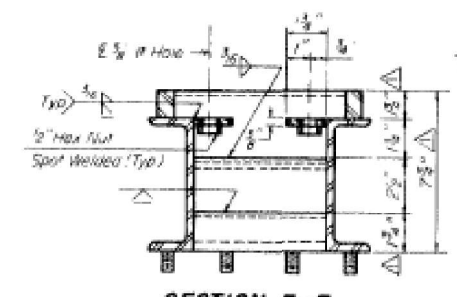
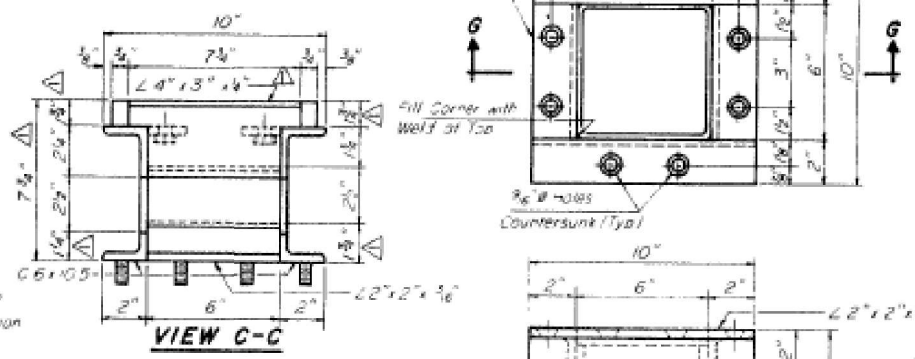
DECK - SPANS 4, 5 & 6
 F.A.S. 256 SEC 108-BR
 LASALLE COUNTY
 STA 196+85.48

HSIONG ASSOCIATES LTD.
 DESIGNED BY: _____ CHECKED BY: _____
 DRAWN BY: _____ DATE: _____ NO. H-056

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 256	108-BR	LASALLE	34	25
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			
SHEET 15 OF 20				



Notes
 Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500 Grade B or A-501 Structural Steel Tubing
 All other shapes, plates and bars shall conform to the requirements of AASHTO M 183
 Bolts, studs, washers and nuts shall conform to the requirements of ASTM A-307
 The Grate, Frame, and Downspout shall be galvanized after shop fabrication in accordance with AASHTO M-111 or ASTM A-385
 All bolts, washers and nuts shall be galvanized in accordance with AASHTO M232
 Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS"



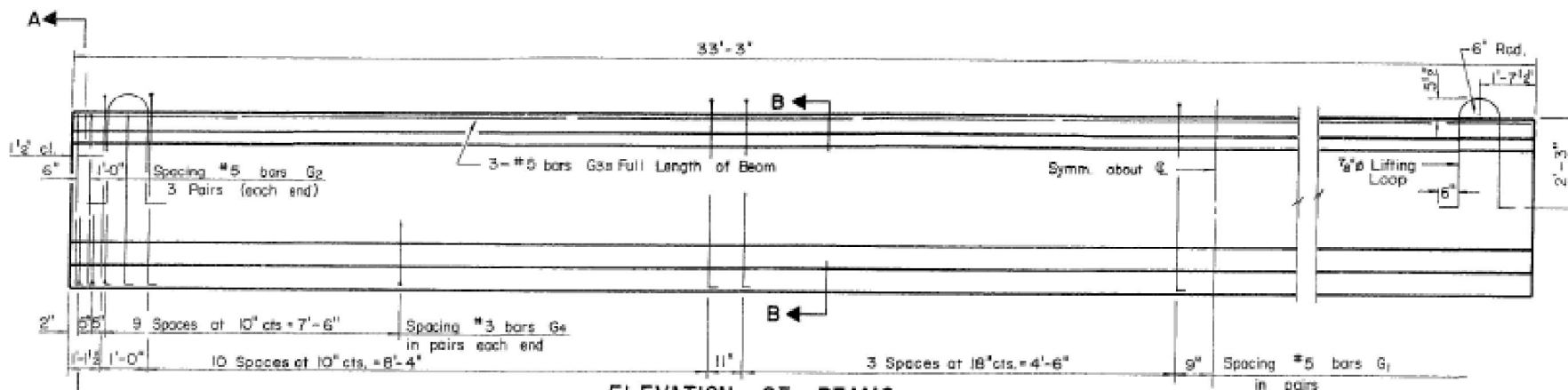
Note A Surface of welds shall be recessed 1/8" Max or placed flush with inside face of bars to provide clearance for Grate

DRAINAGE SCUPPER - STEEL
 F.A.S. 256 SEC. 108-BR
 LASALLE COUNTY
 STA. 196+85.48

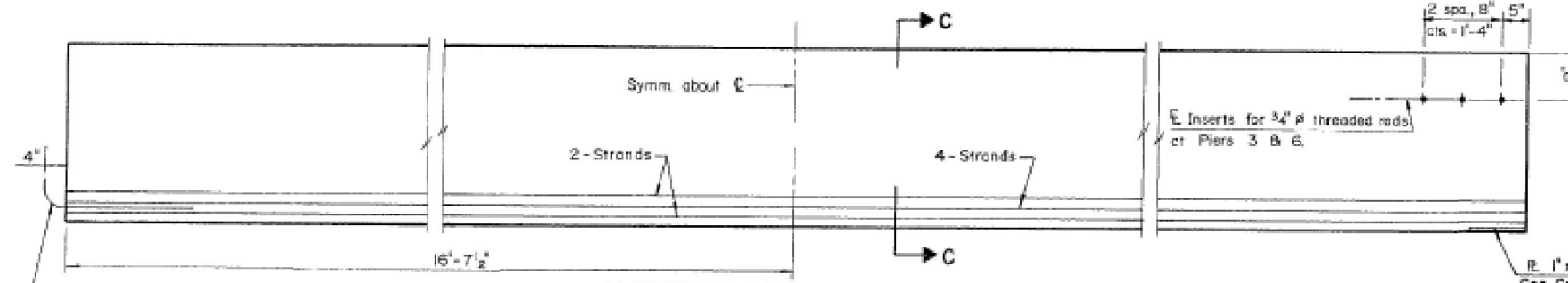
HSIONG ASSOCIATES LTD.	
DESIGNED: W.H.	CHECKED:
DRAWN: CL	DATE: NO. H-056

"FOR INFORMATION ONLY"

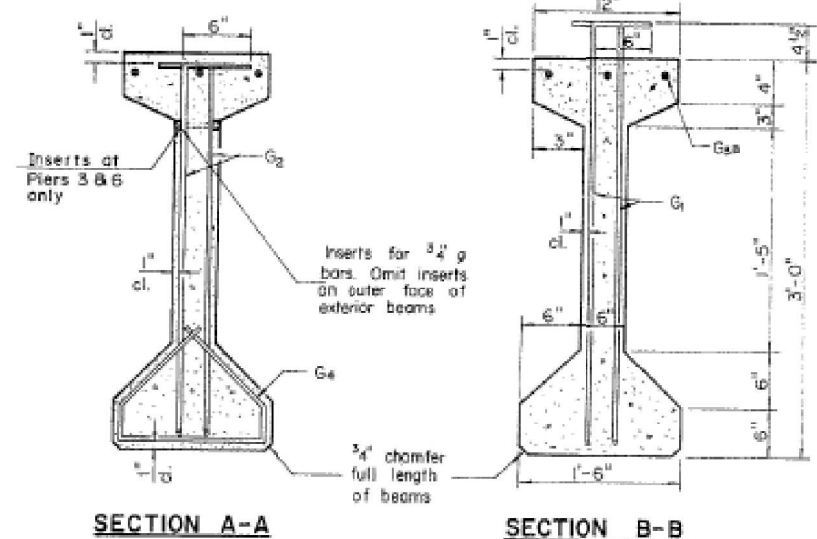
FILE NAME =	USER NAME = MARINEJ	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR STRUCTURE NO. 050-0096 "FOR INFORMATION ONLY"	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\p\enroom.dot\illinois.gov\PWDOT\Documents\DOT\Office\District 3\Projects\I366H91\CADData\I366H91-cover.dwg	PLOT SCALE = 3.8370"/mm	DRAWN - RW	REVISED -			1279	(108BR)BR	LASALLE	45	44
Default	PLOT DATE = 10/15/2020	CHECKED - EM	REVISED -			SCALE: SHEET 6 OF 7 SHEETS		STA. 194+69.48	TO STA. 199+01.48	ILLINOIS FED. AID PROJECT
		DATE - 5/28/2020	REVISED -							CONTRACT NO. 66H91



ELEVATION OF BEAMS
Showing Reinforcement & Dimensions

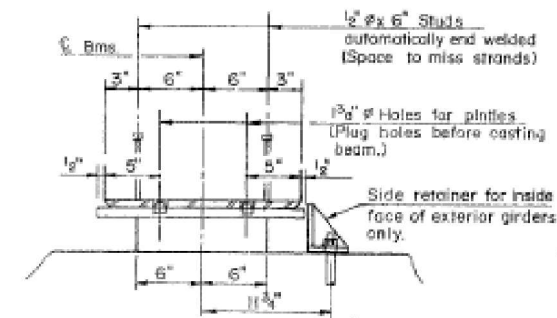


ELEVATION OF BEAMS
Showing Prestressing Steel

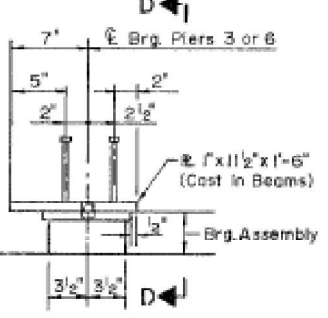


SECTION A-A

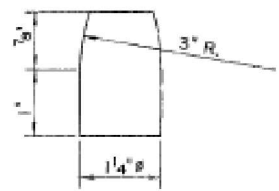
SECTION B-B



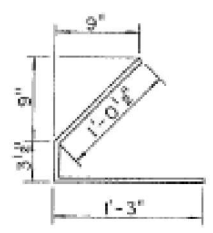
SECTION D-D



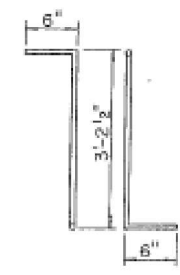
SEC. AT PIERS 3 & 6



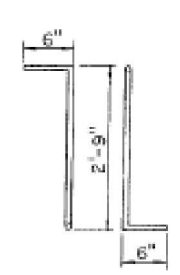
PINTLE



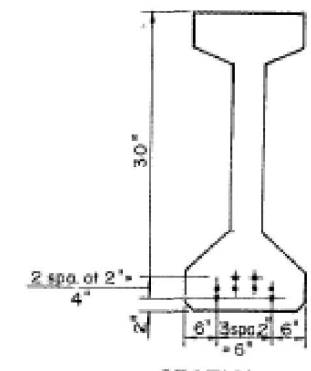
BAR G4



BAR G1



BAR G2



SECTION C-C

***BAR LIST**

Bar	No.	Size	Length	Shape
G1	64	#5	4'-2 1/2"	7 L
G2	12	#5	3'-9"	7 L
G3a	3	#5	33'-0"	---
G4	48	#3	2'-7"	∠
G6	2	#8	3'-6"	---

* For one beam only

BILL OF MATERIAL

Item	Unit	Total
Furnishing & Erecting Precast Prestressed Concrete I-Beams, 36"	Lin. Ft.	266
Elastomeric Bearing Assembly, Type 1	Each	8

NOTES

All inserts and threaded rods for inserts, reinforcing and Prestressing Steel, and other items which are cast into the Precast Concrete I-Beams shall be included in the contract unit price per linear foot of "Furnishing And Erecting Precast Prestressed Concrete I-Beams, 36 in."

Prestressing Steel shall have a nominal diameter of 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Inserts for 3/4" threaded rods are to be two strut, coil type for interior I-Beams and single coil, fared loop type for exterior I-Beams. Required release strength, f'ci, shall be 4,000 psi. Steel for lifting hooks shall be non-deformed bars f'y = 40,000 psi.

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. Non-prestressing steel shall conform to AASHTO designation M-31, M-42, or M-53 Grade 60.

BEAM DETAILS-SPANS 3 & 7
F.A.S. 256 SECTION 108-BR
LASALLE COUNTY
STA. 196+85.48

HSIONG ASSOCIATES LTD.	
DESIGNED: W.H.	CHECKED:
DRAWN: R.H.H.	DATE: NO. H-056

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