

019

11-08-2019 LETTING ITEM 019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR-I-2	LASALLE	* 36	1
		ILLINOIS		CONTRACT NO. 66J72

* 36 + 1 = 37 TOTAL SHEETS

D-93-029-19

INDEX OF SHEETS

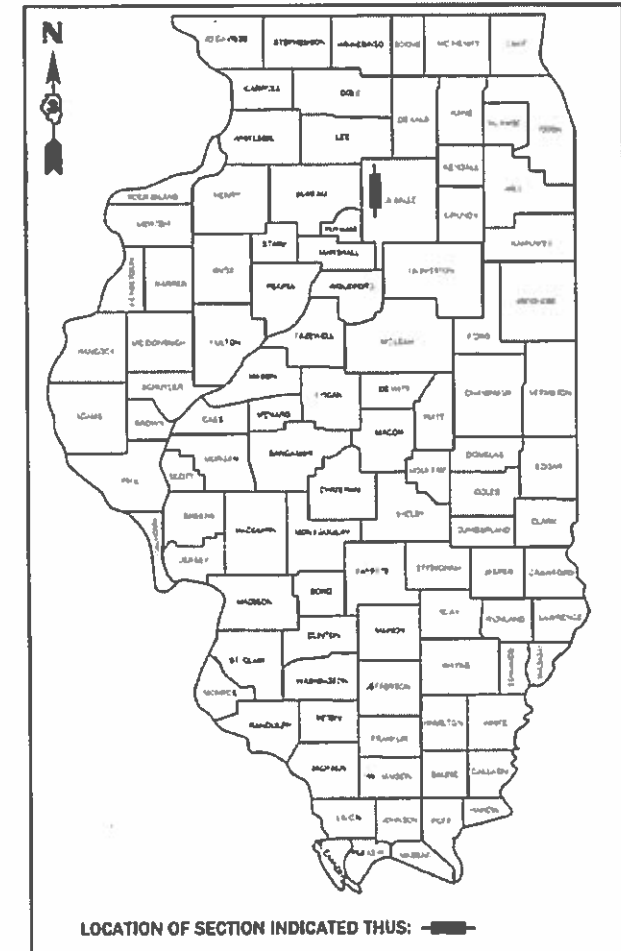
1	COVER SHEET
2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	LINE DIAGRAM
7	TYPICAL SECTIONS
8	PAVEMENT MARKING & STAGING SCHEDULES
9	GENERAL PLAN
10	STAGE CONSTRUCTION DETAILS
11-12	BRIDGE SURFACE REMOVAL & REPLACEMENT DETAILS
13	PLAN VIEW DECK
14-15	DECK SLAB REPAIR PLANS "AS-BUILT"
16	PARAPET REPAIR SCHEDULES
17-18	FRAMING PLANS
19	BEAM REPAIR SCHEDULES
20-21	BEAM ELEVATION DETAIL (REF)
22	BACKWALL & BEAM SEAT SCHEDULE
23-24	BACKWALL & BEAM REPAIR DETAIL
25-26	BACKWALL & BEAM SEAT REPAIR DETAIL
27	PIER REPAIR SCHEDULES
28-31	PIER REPAIR DETAILS
32	DRAINAGE SCUPPER & STRIP SEAL GLAND DETAILS
33-34	TRAFFIC CONTROL & PROTECTION STANDARD 701-402
35	TRAFFIC CONTROL & PROTECTION STANDARD 701-400 (SPECIAL)
36	DETAILS

PROPOSED HIGHWAY PLANS

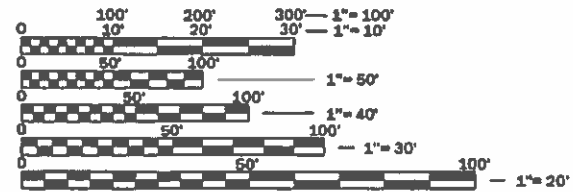
ROUTE FAI 39 (I - 39)
SECTION (50-8VB) BJR, I-2
PROJECT NHPP - 5CM1 (168)
CONCRETE LATEX OVERLAY &
BRIDGE REPAIR
LASALLE COUNTY

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001005	DECIMAL OF AN INCH AND OF A FOOT
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER



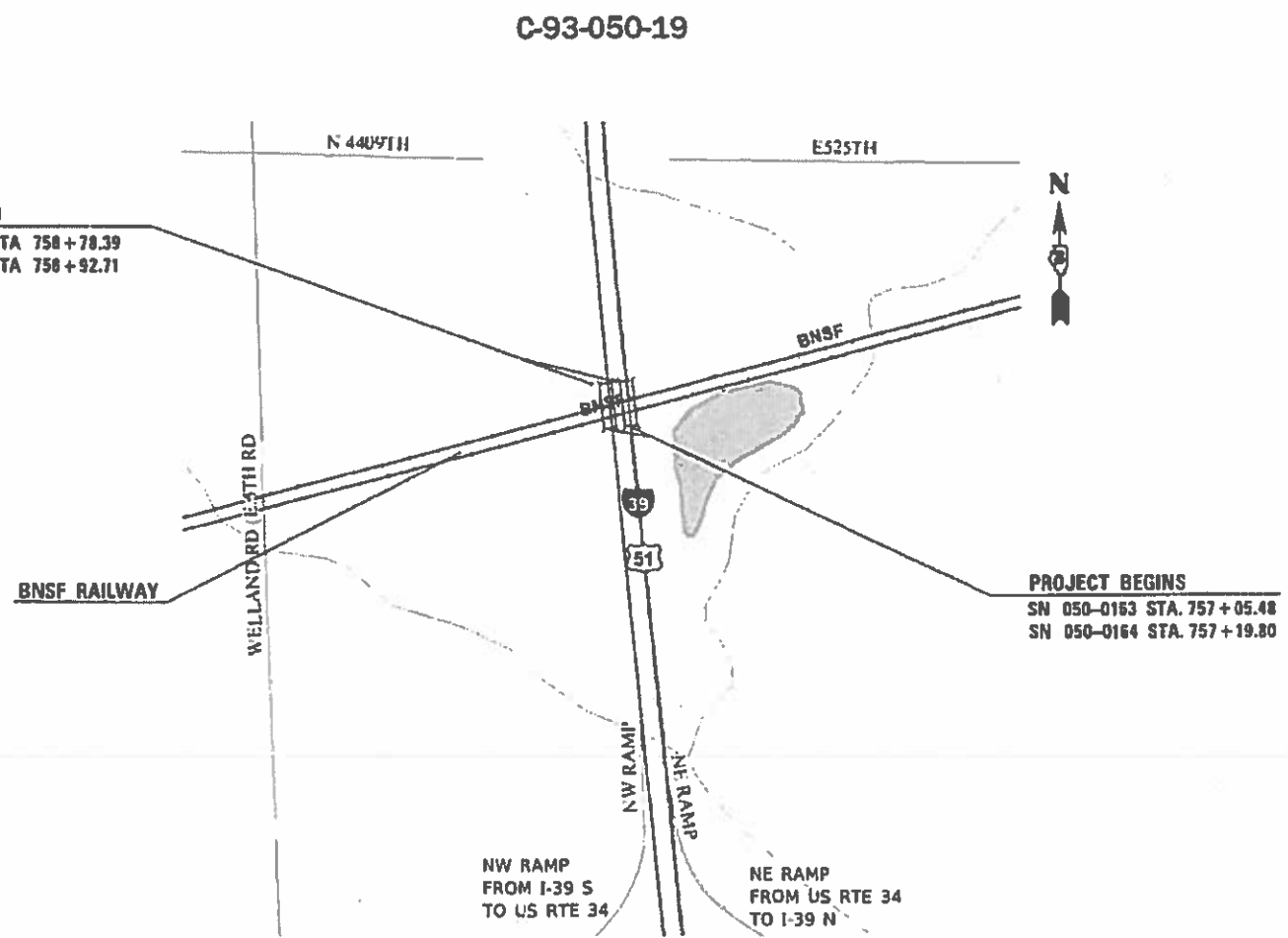
FUNCTIONAL CLASSIFICATION:
RURAL INTERSTATE
2017 ADT = 20100 VPD
PV% = 61.69 SU% = 4.48 MU% = 33.83



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, PE
UNIT CHIEF: ARLENE OTERO-FEBUS
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66J72



GROSS LENGTH = 173 FT. = 0.03 MILE
NET LENGTH = 160 FT. = 0.03 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 22nd 2019

[Signature]
REGIONAL ENGINEER

Oct 4 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 4 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

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.

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.

COMMITMENTS

THE ENGINEER SHALL RECORD FINAL LOCATIONS AND QUANTITIES FOR DECK SLAB REPAIR (REPAIR DEPTH), DECK SLAB REPAIR (FULL DEPTH), STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5") AND STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5") ON "AS-BUILT" DETAIL SHEETS AND SUBMIT THEM TO THE BRIDGE OFFICE IN SPRINGFIELD FOR THEIR RECORDS IN A TIMELY MANNER AFTER PROJECT COMPLETION. CONTACT PERSON IS VICTOR VELIZ, PHONE: (217)-782-2708.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Don Beomil*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 8-15-19

EXAMINED BY: *Victor Veliz*
DISTRICT CONSTRUCTION ENGINEER

Michael G. Stimpert
DISTRICT MATERIALS ENGINEER

Janet...
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)B.R.1-2	LASALLE	34	2
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FUND TYPE
				NHPP
				BRIDGE
				0047
				RURAL
50102400	CONCRETE REMOVAL	CU YD	9.0	9.0
50157300	PROTECTIVE SHIELD	SQ YD	610	610
50300255	CONCRETE SUPERSTRUCTURE	CU YD	9.0	9.0
50300260	BRIDGE DECK GROOVING	SQ YD	1316	1316
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	445	445
59000200	EPOXY CRACK INJECTION	FOOT	114	114
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5
67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	436	436
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	146	146
70400100	TEMPORARY CONCRETE BARRIER	FOOT	900	900
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	900	900

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR,1-2	LASALLE	36	3
CONTRACT NO. 66J72			ILLINOIS FED. AID PROJECT	

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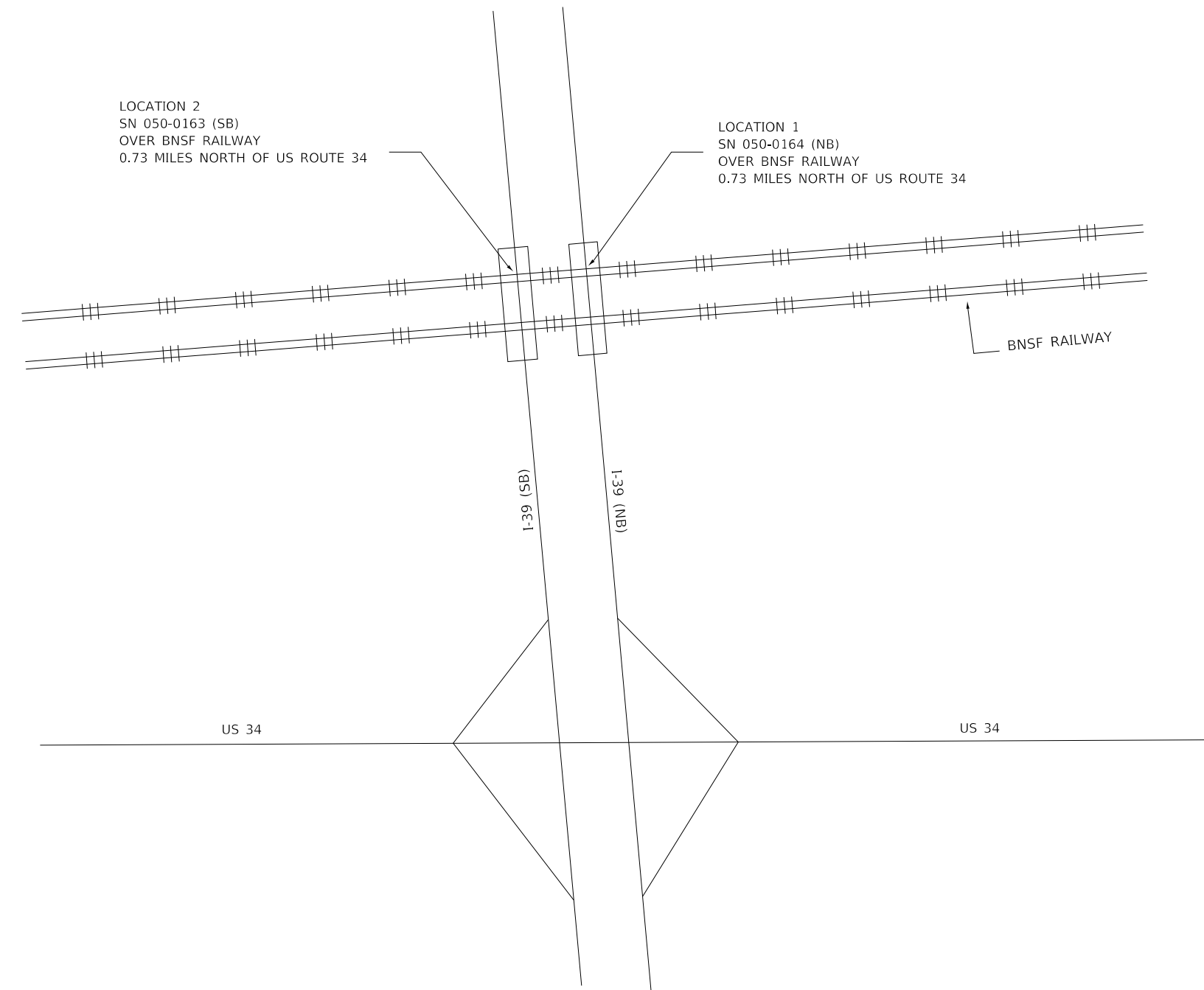
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				FUND TYPE	
				NHPP	
				BRIDGE	0047
				RURAL	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2956	2956	
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1120	1120	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	112	112	
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	16	16	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	112	112	
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	4	4	
X0325748	ACRYLIC COATING	SQ YD	285	285	
X0325749	FIBER WRAP	SQ FT	553	553	
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	16	16	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1546	1546	
X1200201	STRIP SEAL GLAND REPLACEMENT	FOOT	172	172	
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	22426	22426	
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	2	2	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2956	2956	

USER NAME = NOLASCOCJ	DESIGNED - AOF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -					ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FUND TYPE	NHPP
				BRIDGE	
				0047	
				RURAL	
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1120		1120
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	1386		1386
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1386		1386
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1386		1386
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	78		78
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1		1
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	2		2
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	4		4
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	86		86
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	2		2

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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -									



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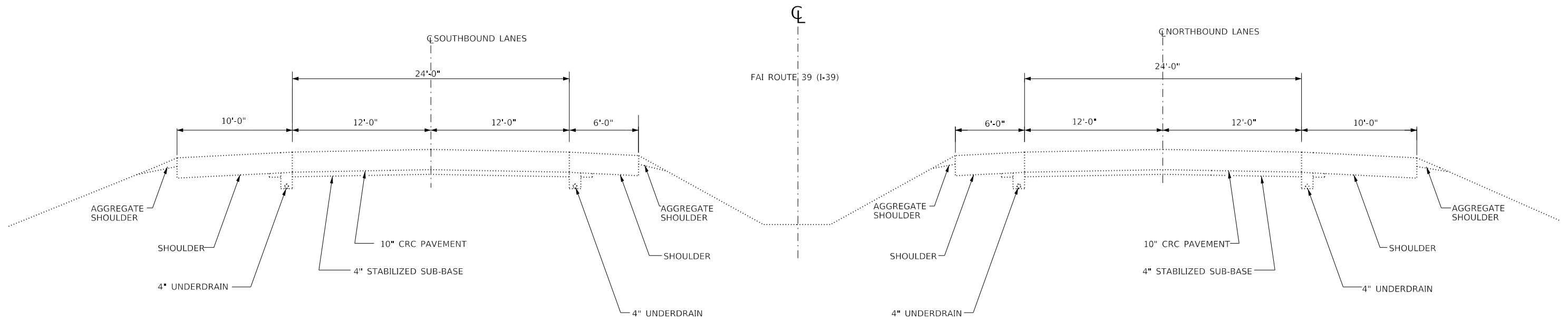
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	6
CONTRACT NO. 66J72			ILLINOIS FED. AID PROJECT	



TYPICAL SECTION

PERMANENT SURVEY MARKERS

GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
N/A	NO PERMANENT SURVEY MARKERS OR SECTION CORNER MARKERS TO BE SET ON THIS JOB	N/A	N/A	N/A	N/A

THERE ARE NO RECORD LAND SURVEY OR CENTERLINE CONTROL MONUMENTS LOCATED WITHIN THE CONSTRUCTION LIMITS. UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY MONUMENT(S) SUBJECT TO DAMAGE OR DESTRUCTION FROM THE STRUCTURE PRESERVATION PROJECT, AND INFORM THEM TO RESET THE MONUMENT(S) UPON JOB COMPLETION. NO MONUMENT RECORDS WILL BE REQUIRED FOR THIS JOB.

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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66J72	

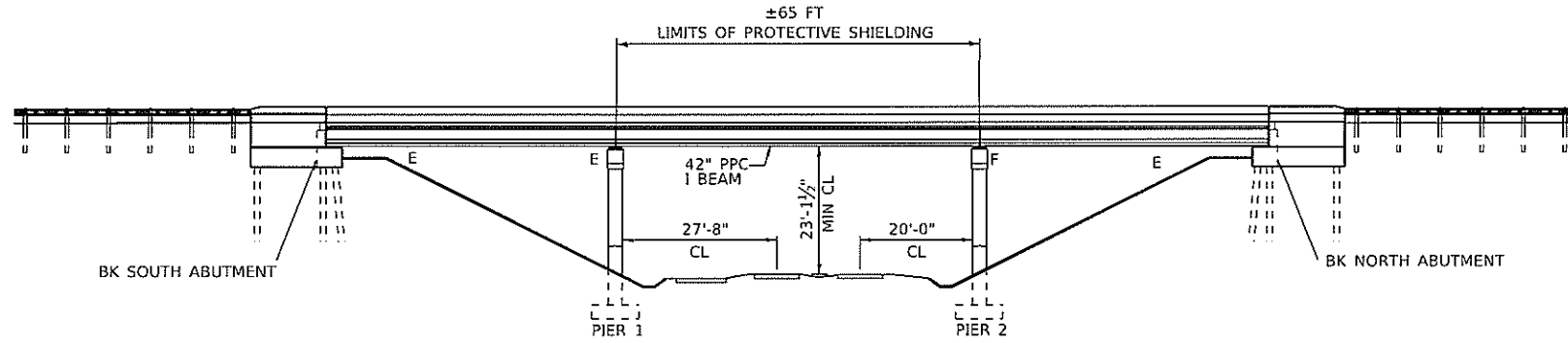
PAVEMENT MARKING SCHEDULE							
LOCATION	POLYUREA PAVEMENT MARKING TYPE 1 LINE 4"	POLYUREA PAVEMENT MARKING TYPE 1 LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING		RAISED REF PVMT MARKING	RAISED REF PVMT REMOVAL	BARRIER WALL REFLECTOR, TYPE C
			5"	7"			
STRUCTURE NO	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH
050-0163	1,478	560	1,478	560	56	56	8
050-0164	1,478	560	1,478	560	56	56	8
TOTAL	2,956	1,120	2,956	1,120	112	112	16

PAVEMENT MARKING REMOVAL			
LOCATION	PAVEMENT MARKING REMOVAL WATER BLASTING	SHORT TERM PAV'T MARKING	SHORT TERM PAV'T MARKING REMOVAL
050-0163	773	218	73
050-0164	773	218	73
TOTAL	1546	436	146

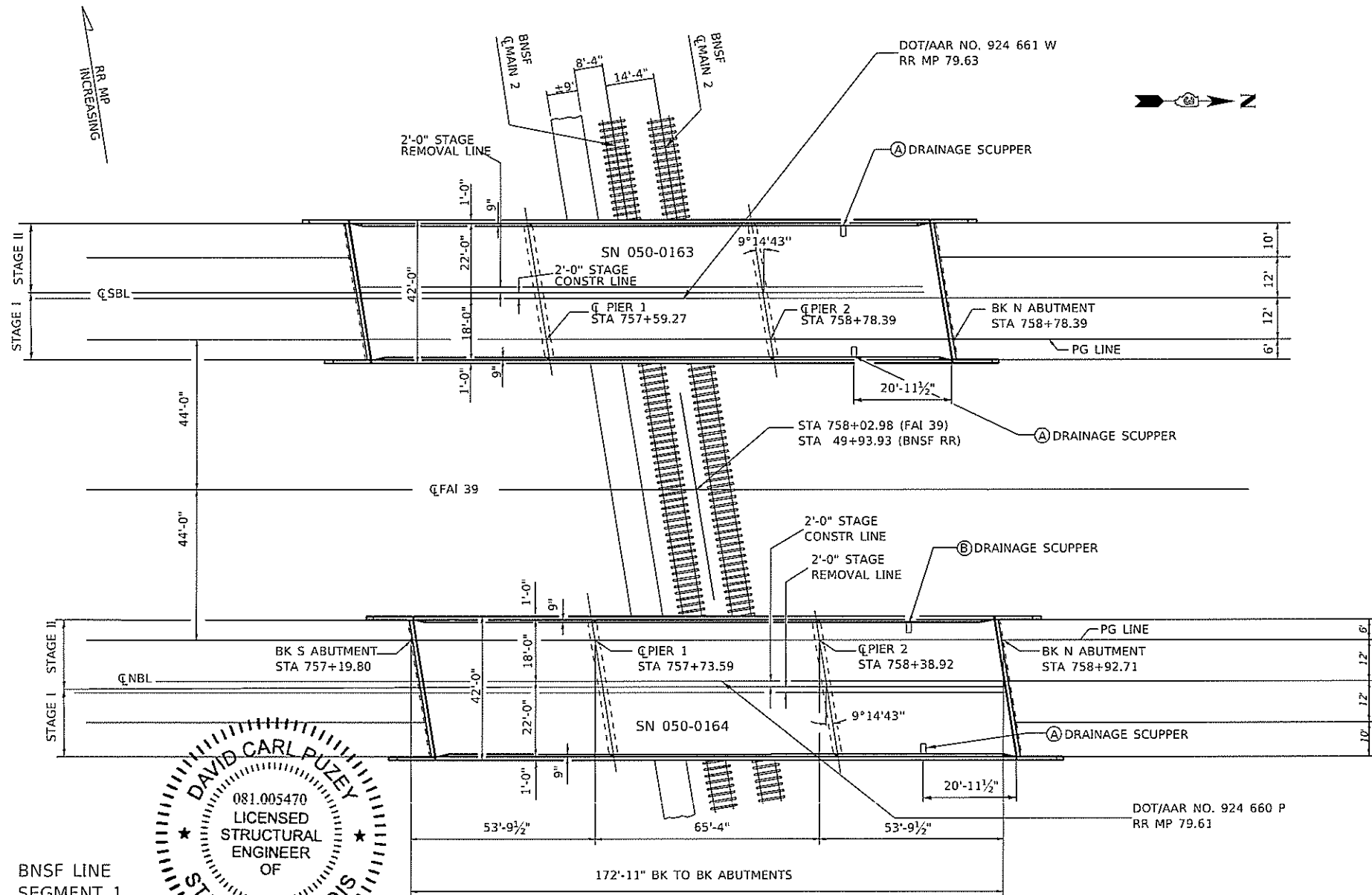
STAGING FOR STRUCTURES IMPROVEMENT					
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS (NON- REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON- RED) TEST LEVEL 3	STAGE
050-0163		450	450	1	1
					2
050-0164		450	450	1	1
					2
TOTAL	900	900	2	2	

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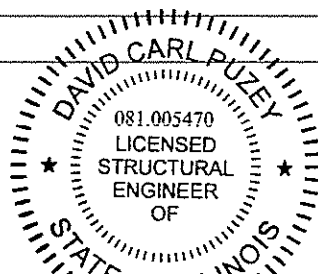
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DRAWN - AOF	REVISED -	39				(50-8VB)BJR, 1-2	LASALLE	36	8		
PLOT SCALE = 100.0000' / in.	CHECKED - MTD	REVISED -		SCALE:		SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT	
PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -									



ELEVATION



PLAN SN 050-0163 (SB) & 050-0164 (NB)



*David Carl Puzey 10/1/19
Expires 11/30/20*

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.

ACRYLIC COATING SHALL BE PLACED OVER FIBER WRAP REPAIRS. TWO COATS SHALL BE APPLIED.

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.

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

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

SYNTHETIC FIBERS SHALL BE ADDED TO THE BRIDGE DECK LATEX CONCRETE OVERLAY, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
HOT-MIX ASPHALT SURFACE REMOVAL DECK	SQ YD	1386
PROTECTIVE SHIELD	SQ YD	610
BRIDGE DECK GROOVING	SQ YD	1316
BRIDGE DECK LATEX CONCRETE OVERLAY 2 1/4"	SQ YD	1386
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1386
BRIDGE DECK CONCRETE SEALER	SQ FT	22426
DECK SLAB REPAIR (FULL DEPTH TYPE I)	SQ YD	1
DECK SLAB REPAIR (FULL DEPTH TYPE II)	SQ YD	2
FIBER WRAP	SQ FT	553
ACRYLIC COATING	SQ YD	285
PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	86
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	78
TEMPORARY SHORING & CRIBBING	EACH	2
EPOXY CRACK INJECTION	FT	114
CONCRETE REMOVAL	CU YD	9
CONCRETE SUPERSTRUCTURE	CU YD	9
REINFORCEMENT BARS EPOXY COATED	POUND	445
DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	1
STRIP SEAL GLAND REPLACEMENT	FOOT	172
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	4

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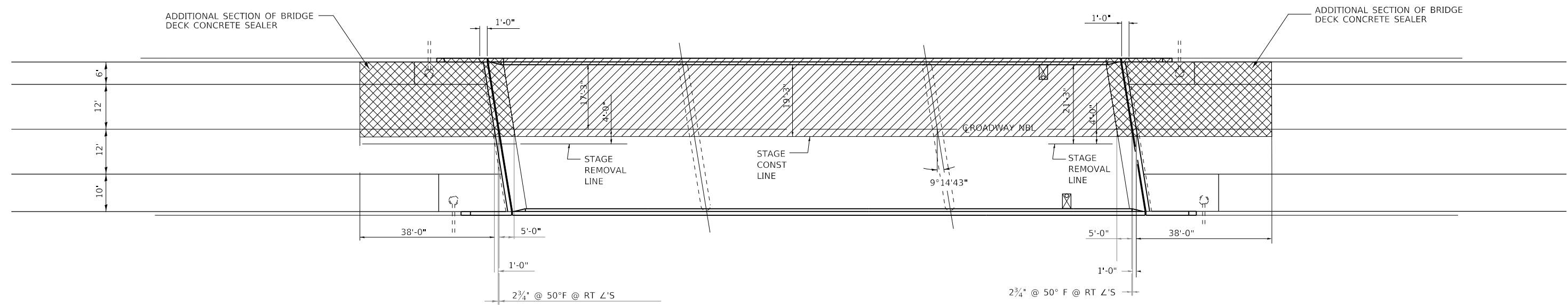
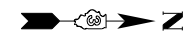
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN
FAI 39 OVER BNSF RY SN 050-0163 SB & SN 050-0164 NB**

F.A.I. RTE. 39	SECTION (50-8VB)BJR,1-2	COUNTY LASALLE	TOTAL SHEETS 36	SHEET NO. 9
CONTRACT NO. 66J72			ILLINOIS FED. AID PROJECT	

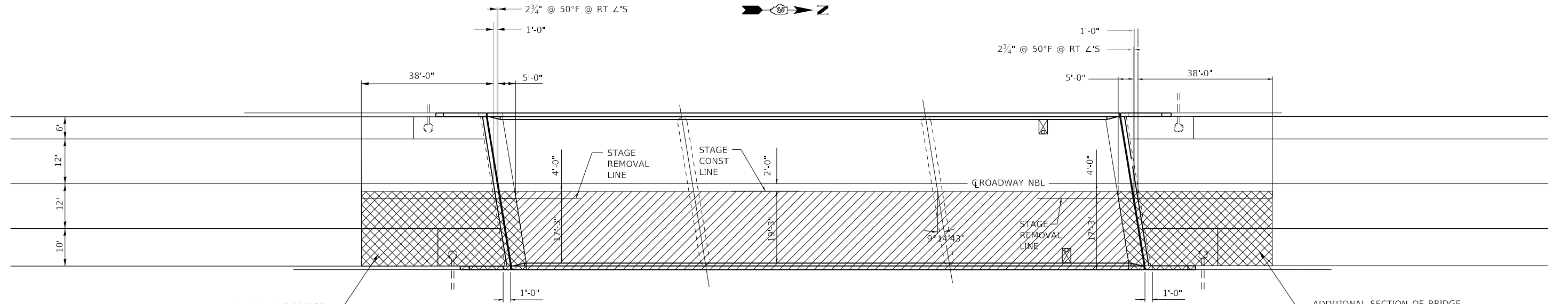
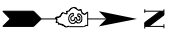
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**PLAN
STAGE I**

NORTHBOUND STRUCTURE SHOWN
SOUTHBOUND STRUCTURE SIMILAR

- REMOVAL AREA
- ADDITIONAL SECTION OF BRIDGE DECK CONCRETE SEALER



**PLAN
STAGE II**

NORTHBOUND STRUCTURE SHOWN
SOUTHBOUND STRUCTURE SIMILAR

- REMOVAL AREA
- ADDITIONAL SECTION OF BRIDGE DECK CONCRETE SEALER

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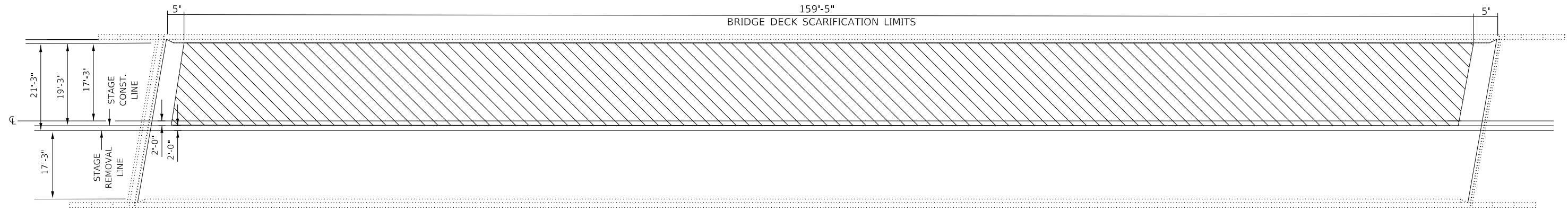
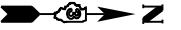
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

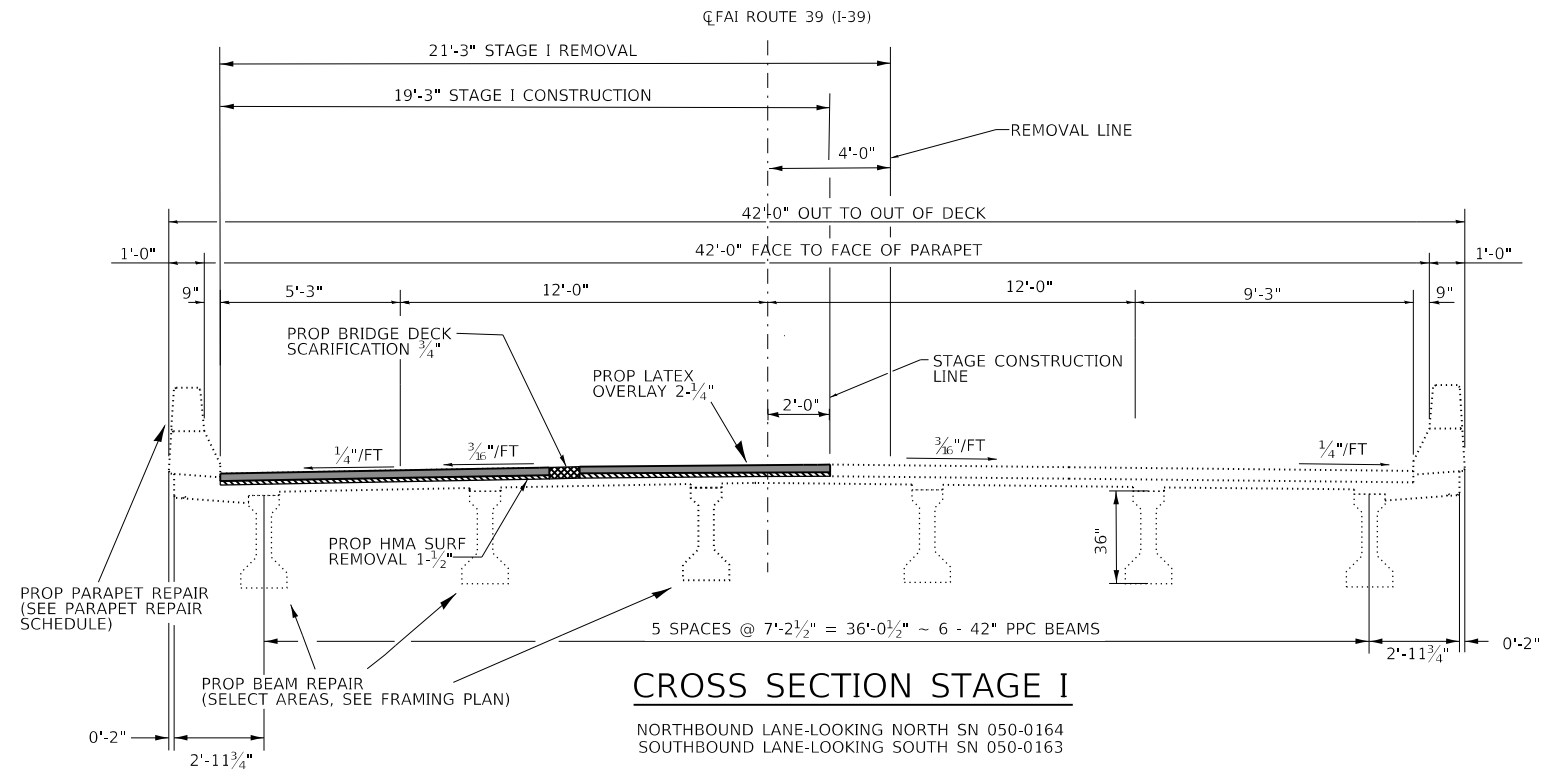
STAGE CONSTRUCTION DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	10
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

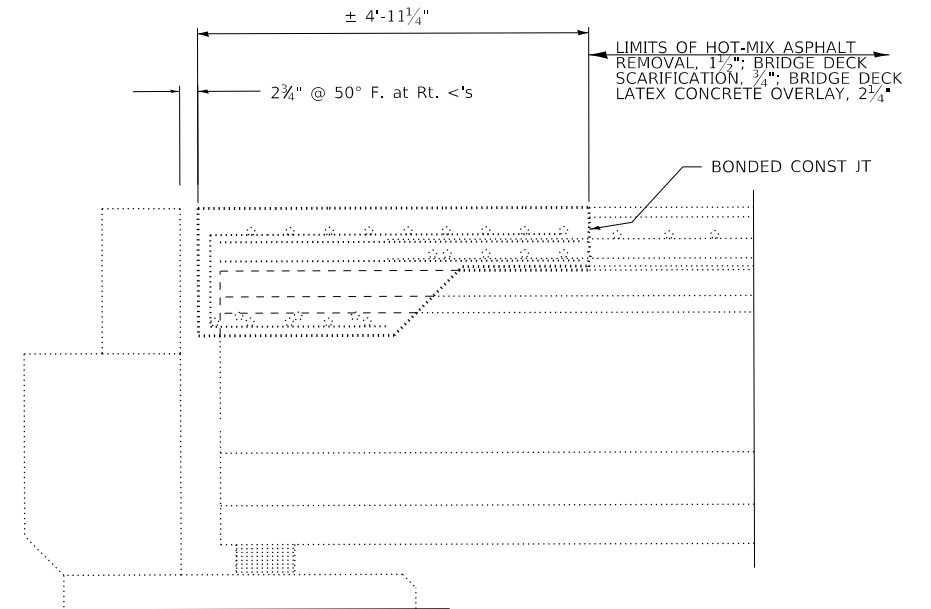


DECK SCARIFICATION



CROSS SECTION STAGE I

NORTHBOUND LANE-LOOKING NORTH SN 050-0164
SOUTHBOUND LANE-LOOKING SOUTH SN 050-0163



ABUTMENT SECTION TYPICAL

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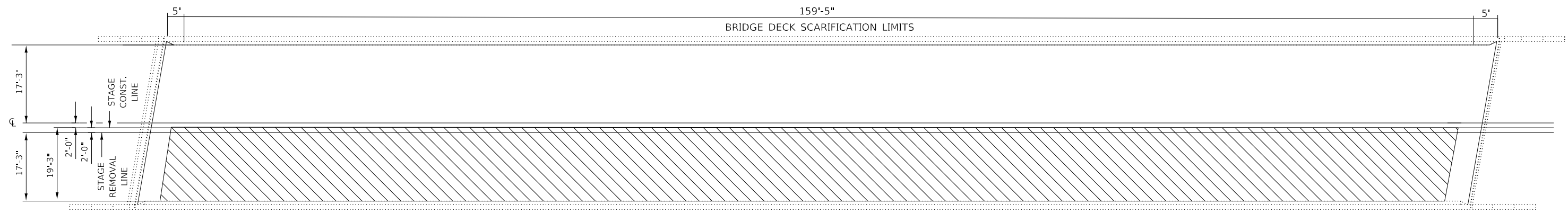
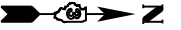
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

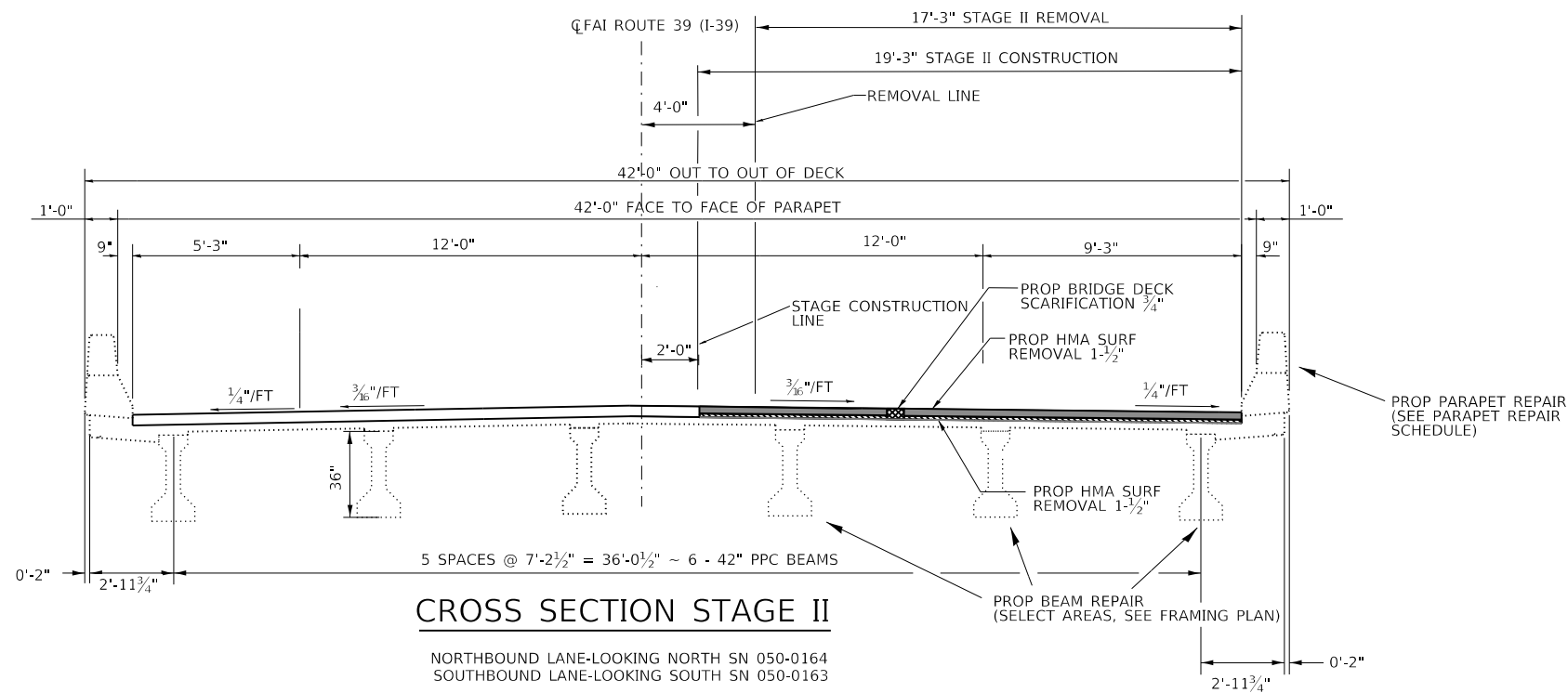
**BRIDGE SURFACE REMOVAL & REPLACEMENT DETAILS
SN 050-0163 SB & SN 050-0164 NB**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	11
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

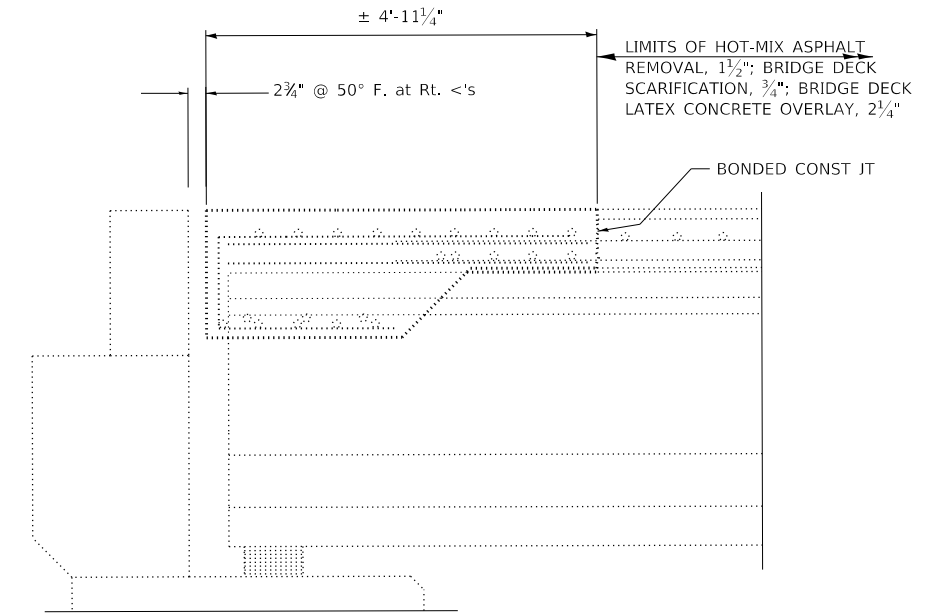


DECK SCARIFICATION



CROSS SECTION STAGE II

NORTHBOUND LANE-LOOKING NORTH SN 050-0164
SOUTHBOUND LANE-LOOKING SOUTH SN 050-0163



ABUTMENT SECTION TYPICAL

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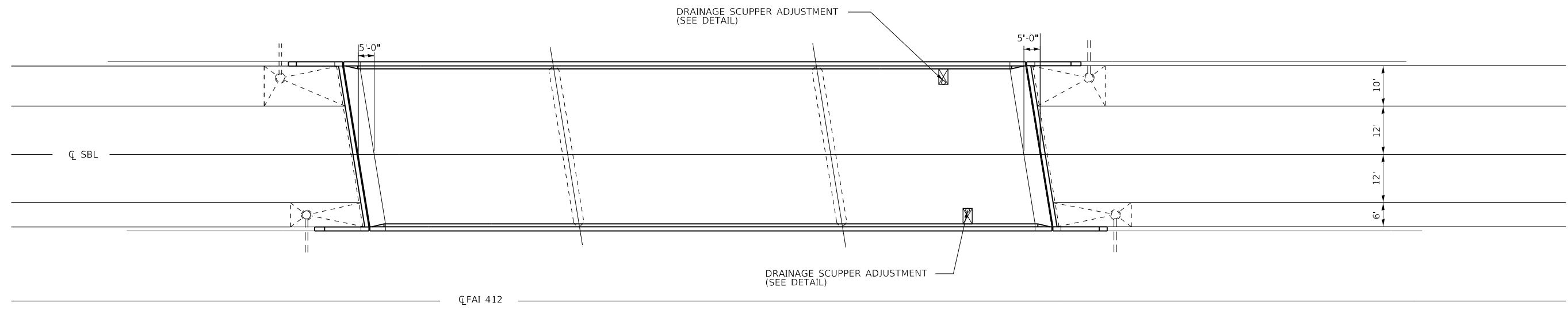
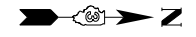
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

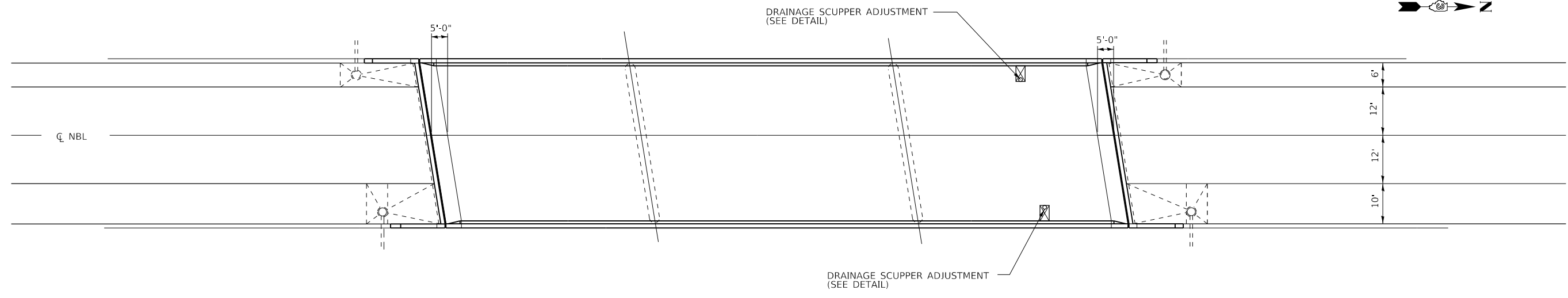
**BRIDGE SURFACE REMOVAL & REPLACEMENT DETAILS
SN 050-0163 SB & SN 050-0164 NB**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	12
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



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PLAN VIEW

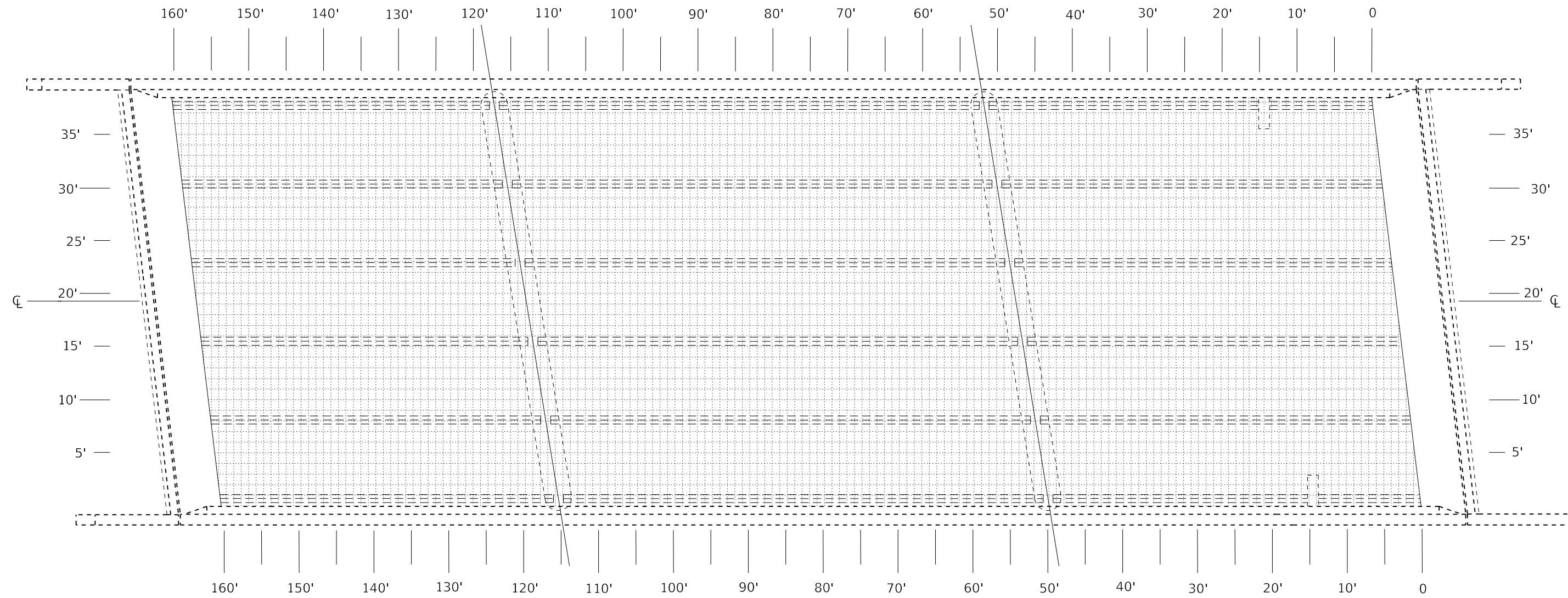
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW DECK				
SCALE:	SHEET 1	OF 1	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	13
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



PLAN
SN 050-0163

NOTE:
THE ENGINEER SHALL SOUND THE ENTIRE DECK AREA AND RECORD THE ACTUAL LOCATIONS AND SIZES OF DECK SLAB REPAIR, PARTIAL AND FULL DEPTH ON THE "AS BUILT" PLAN.

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

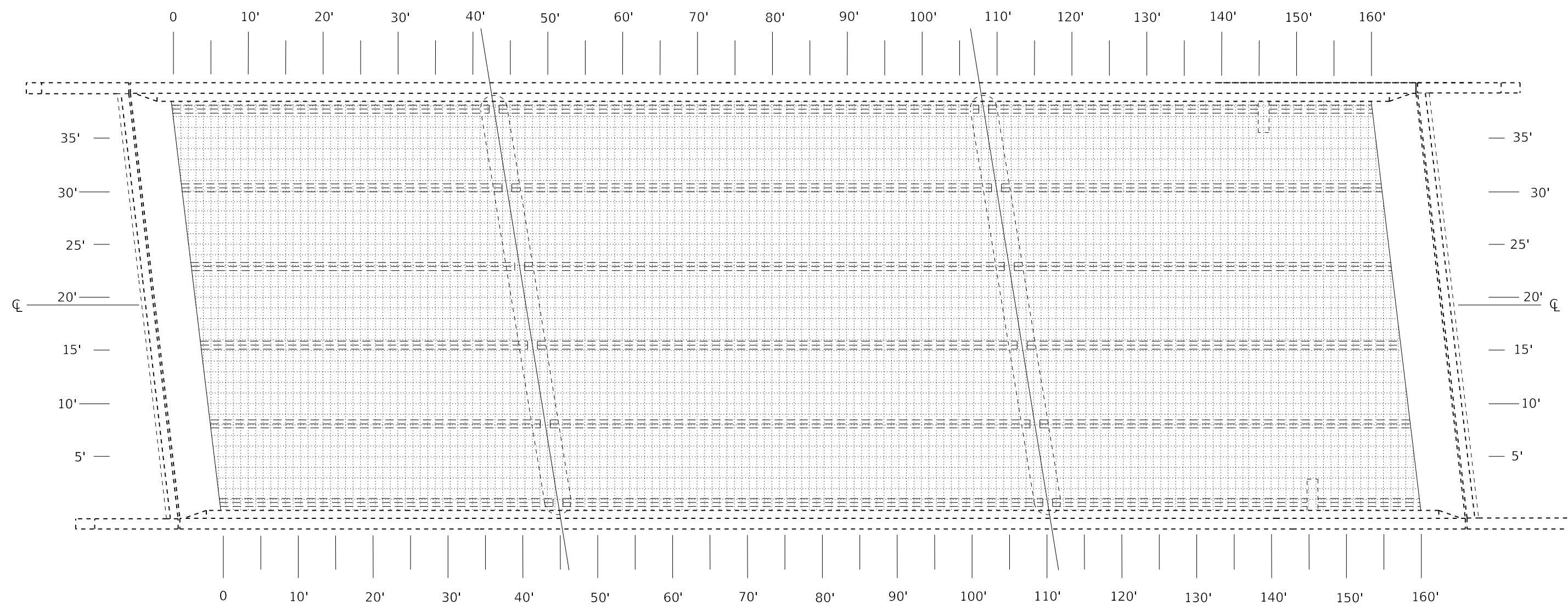
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIR PLAN "AS BUILT"			
SN 050-0163			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	14
CONTRACT NO. 66J72				
		ILLINOIS	FED. AID PROJECT	



PLAN
SN 050-0164

NOTE:
THE ENGINEER SHALL SOUND THE ENTIRE DECK AREA AND RECORD THE ACTUAL LOCATIONS AND SIZES OF DECK SLAB REPAIR, PARTIAL AND FULL DEPTH ON THE "AS BUILT" PLAN.

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

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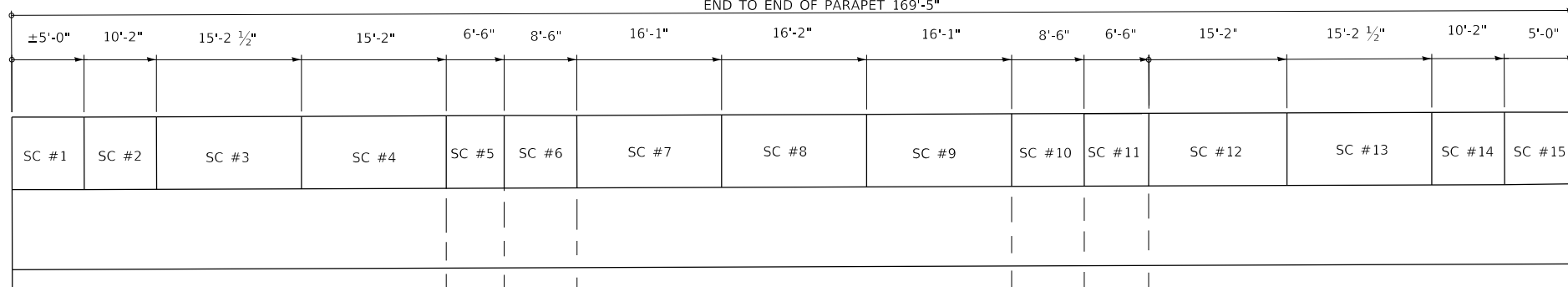
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIR PLAN "AS BUILT"			
SN 050-0164			
SCALE:	SHEET 2	OF 2	SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	15
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

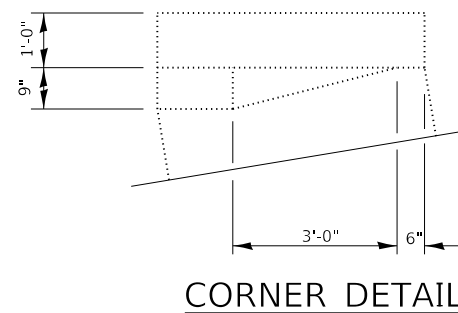


END TO END OF PARAPET 169'-5"



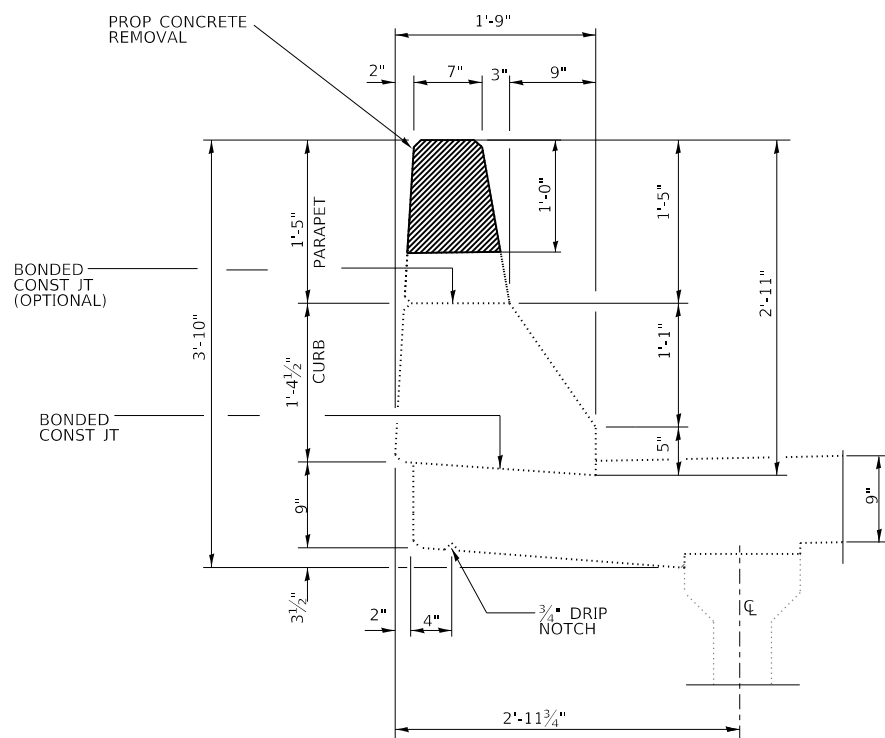
PARAPET ELEVATION SECTION NO

PARAPET REPAIR SN 050-0163 SB					
SECTION NO	LENGTH	AREA	TOTAL	CONCRETE	CONCRETE
				REMOVAL	SUPERSTRUCTURE
	FOOT	SQ FT	CU FT	CU YD	CU YD
EAST PARAPET (SOUTH ABUTMENT)					
3	15.2	0.7	10.6	0.4	0.4
4	15.2	0.7	10.6	0.4	0.4
5	6.5	0.7	4.6	0.2	0.2
6	8.5	0.7	6.0	0.2	0.2
7	16.1	0.7	11.3	0.4	0.4
8	16.2	0.7	11.3	0.4	0.4
9	16.1	0.7	11.3	0.4	0.4
10	8.5	0.7	6.0	0.2	0.2
12	15.2	0.7	10.6	0.4	0.4
SUBTOTAL				3.0	3.0
WEST PARAPET (NORTH ABUTMENT)					
5	6.5	0.7	4.6	0.2	0.2
6	8.5	0.7	6.0	0.2	0.2
7	16.1	0.7	11.3	0.4	0.4
13	15.2	0.7	10.6	0.4	0.4
SUBTOTAL				1.2	1.2
TOTAL				4.2	4.2



CORNER DETAIL

PARAPET REPAIR SN 050-0164 NB					
SECTION NO	LENGTH	AREA	TOTAL	CONCRETE	CONCRETE
				REMOVAL	SUPERSTRUCTURE
	FOOT	SQ FT	CU FT	CU YD	CU YD
EAST PARAPET (NORTH ABUTMENT)					
7	16.1	0.7	11.3	0.4	0.4
11	6.5	0.7	4.6	0.2	0.2
SUBTOTAL				0.6	0.6
WEST PARAPET (SOUTH ABUTMENT)					
2	10.2	0.7	7.1	0.3	0.3
3	15.2	0.7	10.6	0.4	0.4
4	15.2	0.7	10.6	0.4	0.4
5	6.5	0.7	4.6	0.2	0.2
6	8.5	0.7	6.0	0.2	0.2
7	16.1	0.7	11.3	0.4	0.4
8	16.2	0.7	11.3	0.4	0.4
9	16.1	0.7	11.3	0.4	0.4
10	8.5	0.7	6.0	0.2	0.2
11	6.5	0.7	4.6	0.2	0.2
12	15.2	0.7	10.6	0.4	0.4
13	15.2	0.7	10.6	0.4	0.4
14	10.2	0.7	7.1	0.3	0.3
SUBTOTAL				4.2	4.2
TOTAL				4.8	4.8

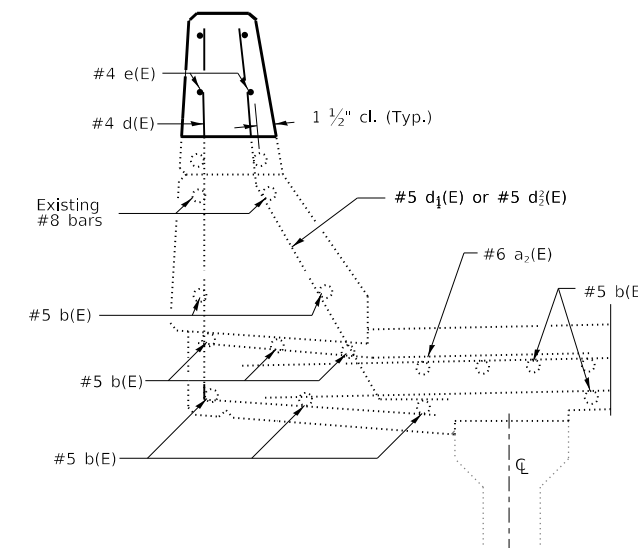


PARAPET SECTION DIMENSIONS

BAR SIZING				
SECTION NO.	LENGTH	BAR	NO	LENGTH
STRUCTURE NO 050-0163 SB				
EAST PARAPET (SOUTH ABUTMENT)				
3	15.2	e	2	14'-10"
4	15.2	e	2	14'-10"
5	6.5	e1	2	6'-2"
6	8.5	e2	2	8'-2"
7	16.1	e3	2	15'-10"
8	16.2	e3	2	15'-10"
9	16.1	e3	2	15'-10"
10	8.5	e2	2	8'-2"
12	15.2	e	2	14'-10"
WEST PARAPET (NORTH ABUTMENT)				
5	6.5	e1	2	6'-2"
6	8.5	e2	2	8'-2"
7	16.1	e3	2	15'-10"
13	15.2	e	2	14'-10"
STRUCTURE NO 050-0164 NB				
WEST PARAPET (SOUTH ABUTMENT)				
2	10.2	e2	2	8'-2"
3	15.2	e	2	14'-10"
4	15.2	e	2	14'-10"
5	6.5	e1	2	6'-2"
6	8.5	e2	2	8'-2"
7	16.1	e3	2	15'-10"
8	16.2	e3	2	15'-10"
9	16.1	e3	2	15'-10"
10	8.5	e2	2	8'-2"
11	6.5	e1	2	6'-2"
12	15.2	e	2	14'-10"
13	15.2	e	2	14'-10"
14	10.2	e2	2	8'-2"
EAST PARAPET (NORTH ABUTMENT)				
7	16.1	e3	2	15'-10"
11	6.5	e1	2	6'-2"

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU YD	9
CONCRETE SUPERSTRUCTURE	CU YD	9
REINFORCEMENT BARS, EPOXY COATED	POUND	445



PARAPET SECTION REINFORCEMENTS

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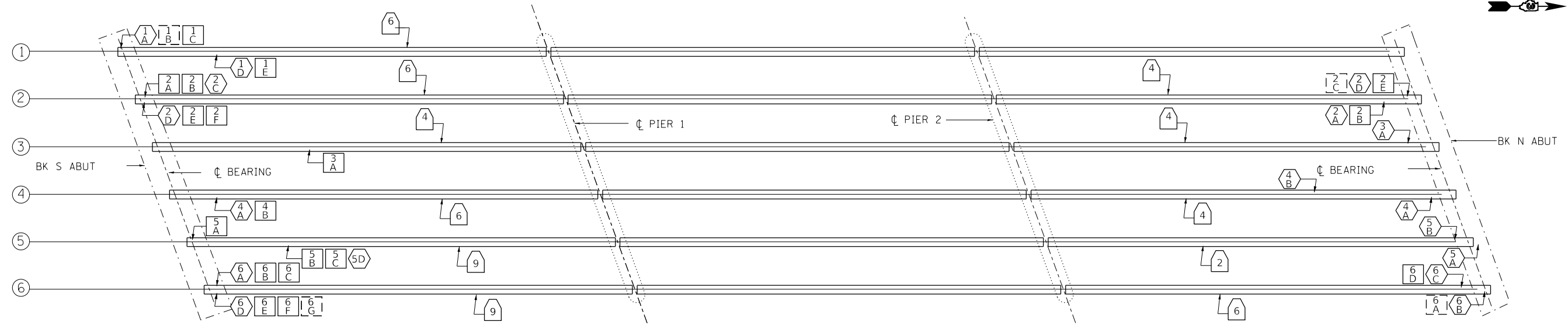
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	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR SCHEDULE

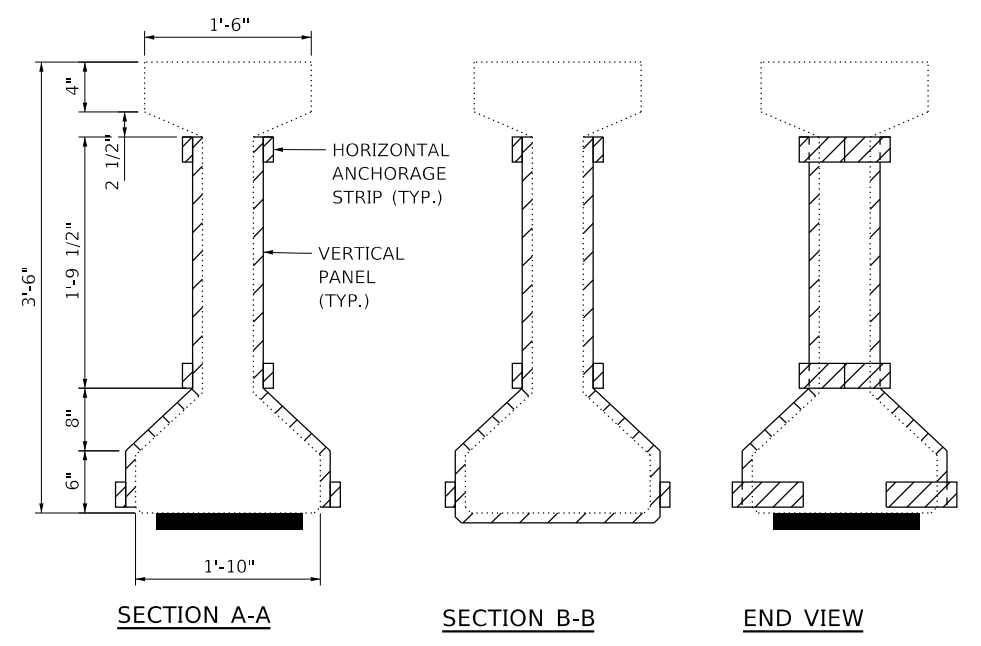
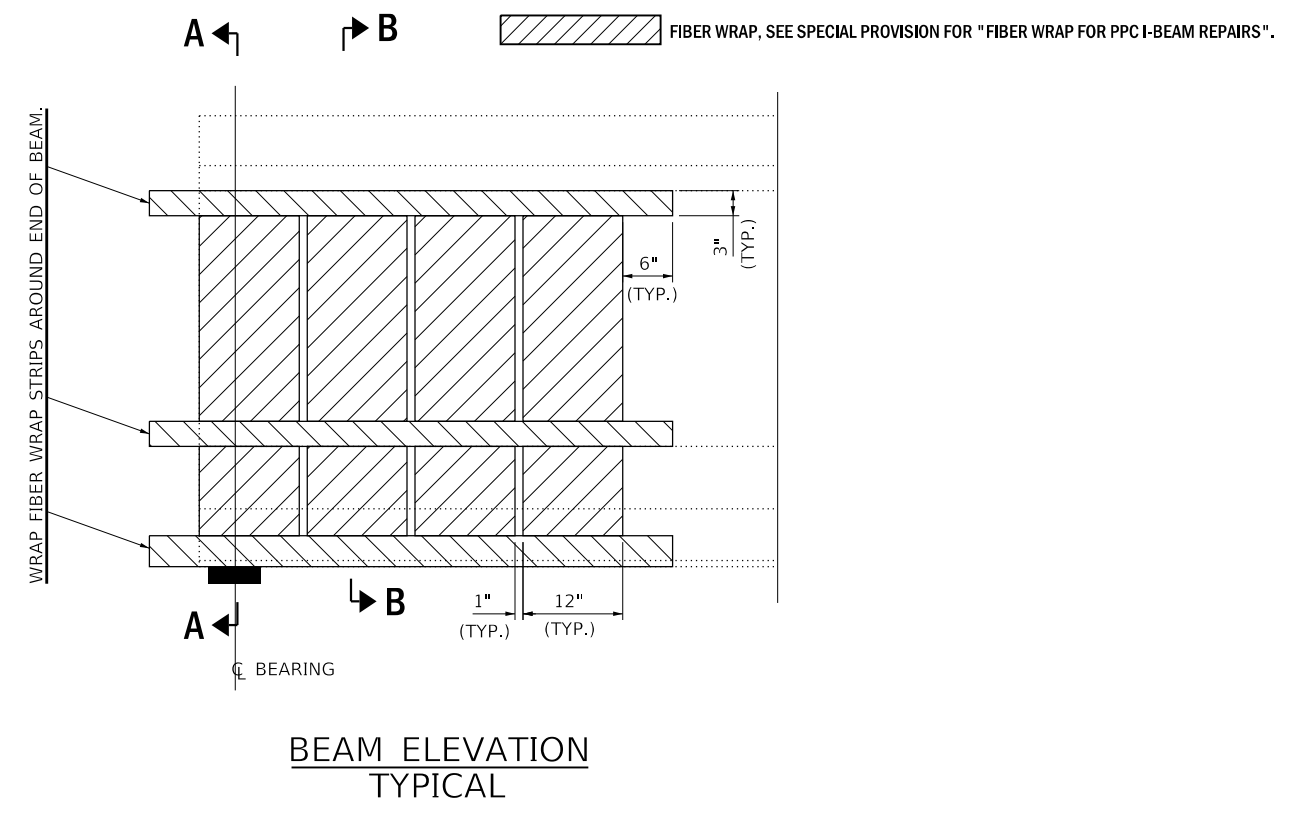
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	16
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



**FRAMING PLAN
SN 050-0163 (SB)**

- 1 SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM FLANGE (TOP)
- 2 SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM FLANGE (BOTTOM)
- 3 SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM WEB
- 4 SQUARE YARD OF ACRYLIC COATING



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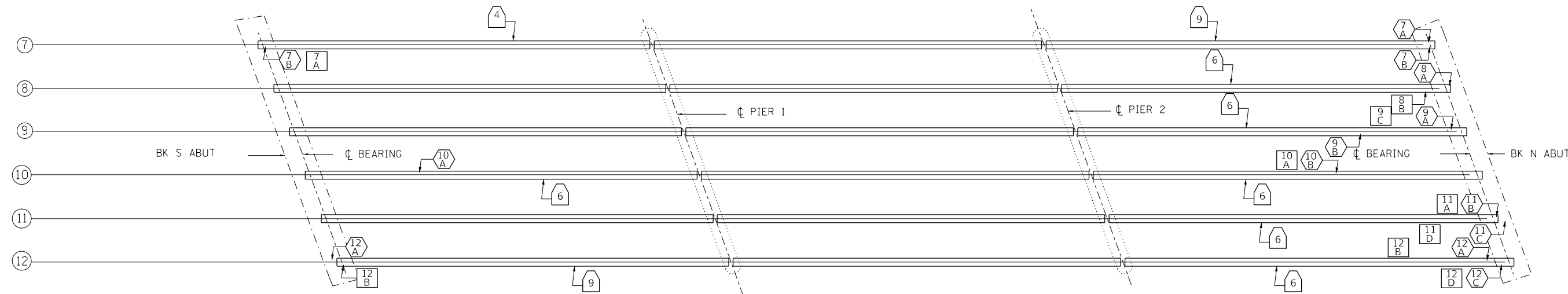
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN
SN 050-0163 SB**

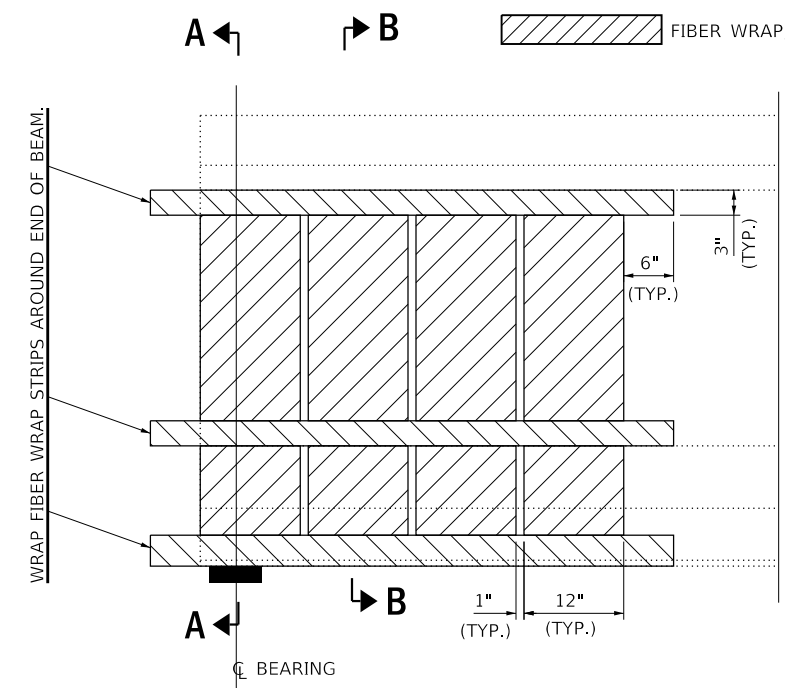
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F.A.I. RTE. 39	SECTION (50-8VB)BJR, 1-2	COUNTY LASALLE	TOTAL SHEETS 36	SHEET NO. 17
CONTRACT NO. 66J72			ILLINOIS FED. AID PROJECT	



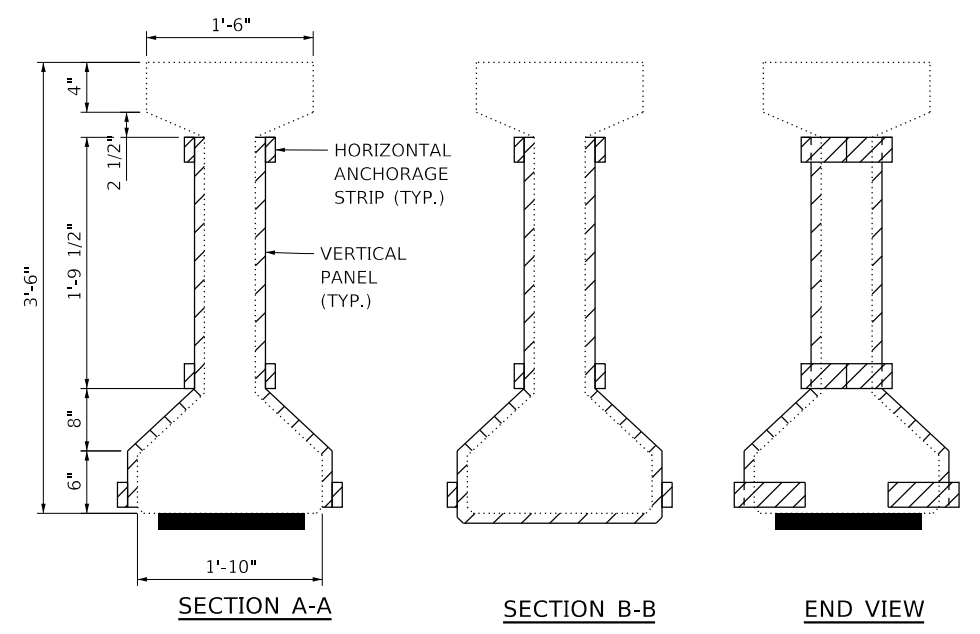
**FRAMING PLAN
SN 050-0164 (NB)**

- SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM FLANGE (TOP)
- SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM FLANGE (BOTTOM)
- SQUARE FOOT OF "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIRS" ON BEAM WEB
- SQUARE YARD OF ACRYLIC COATING



**BEAM ELEVATION
TYPICAL**

FIBER WRAP, SEE SPECIAL PROVISION FOR "FIBER WRAP FOR PPC I-BEAM REPAIRS".



**BEAM CROSS SECTION
TYPICAL**

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PLOT DATE = 8/22/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN
SN 050-0164 NB**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	18
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

BEAM REPAIR STRUCTURE NO. 050-0163				
BEAM NO.	LOCATION	PP CONCRETE	FIBER	ACRYLIC
		I-BEAM REPAIR	WRAP	COATING
		SQ FT	SQ FT	SQ YD
SOUTH ABUTMENT				
1A	West Web	1.1		
1B	West TF	0.1		
1C	West BF	0.3	29	15
1D	East Web	2.9		
1E	East BF	0.3		
2A	West BF	0.3		
2B	West BF	0.3		
2C	West Web	1.0		
2D	East Web	2.9	29	15
2E	East BF	0.5		
2F	East BF	0.3		
3A	East BF	0.5	19	11
4A	East Web	2.6		
4B	East BF	0.3	29	15
5A	West BF	0.5		
5B	East BF	1.1		
5C	East BF	0.3	39	18
5D	East Web	3.4		
6A	West Web	2.2		
6B	West BF	0.8		
6C	West BF	0.9		
6D	East Web	2.9	39	18
6E	East BF	1.8		
6F	East BF	0.8		
6G	East TF	1.5		
SUBTOTAL		30	184	92
NORTH ABUTMENT				
2A	East Web	0.8		
2B	East BF	0.3		
2C	West TF	0.2	19	11
2D	West Web	1.1		
2E	West BF	0.2		
3A	West Web	0.9	19	11
4A	East Web	0.9		
4B	West Web	1.1	19	11
5A	East Web	0.7		
5B	West Web	0.6	10	8
6A	East TF	1.2		
6B	East Web	1.5		
6C	West Web	1.2	29	15
6D	West BF	0.4		
SUBTOTAL		11	97	56
TOTAL		41	281	148

BEAM REPAIR STRUCTURE NO. 050-0164							
BEAM NO.	LOCATION	REPAIR DIMENSIONS			PP CONCRETE	FIBER	ACRYLIC
		WIDTH	LENGTH	AREA	I-BEAM REPAIR	WRAP	COATING
		FT	FT	SQ FT	SQ FT	SQ FT	SQ YD
SOUTH ABUTMENT							
7A	West BF	1.0	0.5	0.5	0.5		
7B	East Web	1.0	1.3	1.3	1.3	19	11
10A	West Web	2.5	1.3	3.3	3.3	29	15
12A	West Web	3.5	1.3	4.7	4.7		
12B	West BF	2.0	0.5	1.0	1.0	39	18
SUBTOTAL					11	87.3	44.0
NORTH ABUTMENT							
7A	West Web	3.0	1.3	4.0	4.0		
7B	East Web	2.0	1.3	2.7	2.7	39	18
8A	West Web	2.0	1.3	2.7	2.7		
8B	East BF	1.0	0.5	0.5	0.5	29	15
9A	West Web	2.5	1.3	3.3	3.3		
9B	East Web	1.0	1.3	1.3	1.3	29	15
9C	West BF	1.0	0.5	0.5	0.5		
10A	West BF	1.0	0.5	0.5	0.5		
10B	West Web	2.5	1.3	3.3	3.3	29	15
11A	West BF	1.5	0.5	0.8	0.8		
11B	West Web	1.5	1.3	2.0	2.0		
11C	East Web	2.0	1.3	2.7	2.7	29	15
11D	East BF	1.5	0.5	0.8	0.8		
12A	West Web	2.0	1.3	2.7	2.7		
12B	West BF	2.5	0.5	1.3	1.3		
12C	East Web	2.5	1.3	3.3	3.3	29	15
12D	East BF	2.5	0.5	1.3	1.3		
SUBTOTAL					34	184	93
TOTAL				44.2	45	272	137

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
FIBER WRAP	SQ FT	553
ACRYLIC COATING	SQ YD	285
PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	86

NOTES: TWO COATS OF ACRYLIC SHALL BE APPLIED OVER FIBER WRAP REPAIRS. SEE SPECIAL PROVISION FOR "PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR."

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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

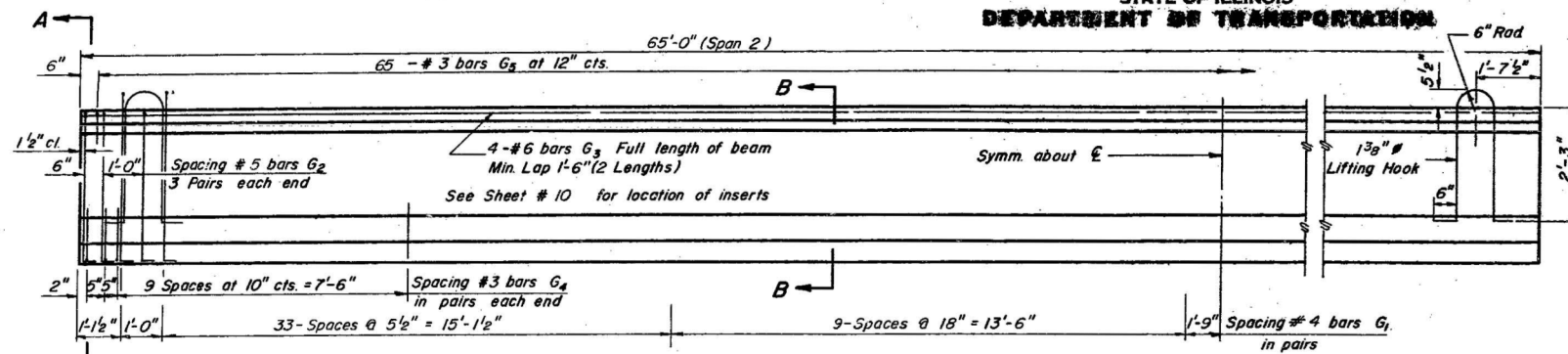
BEAM REPAIR SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	19
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

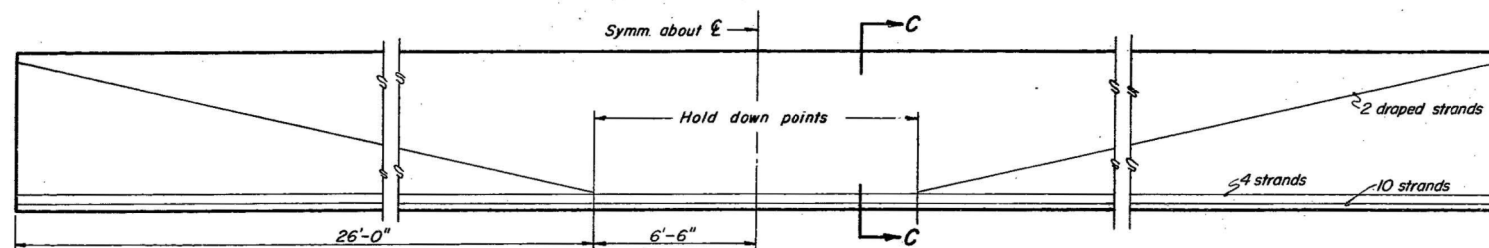
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	50-8VB	LA SALLE	32	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	SHEETS 18



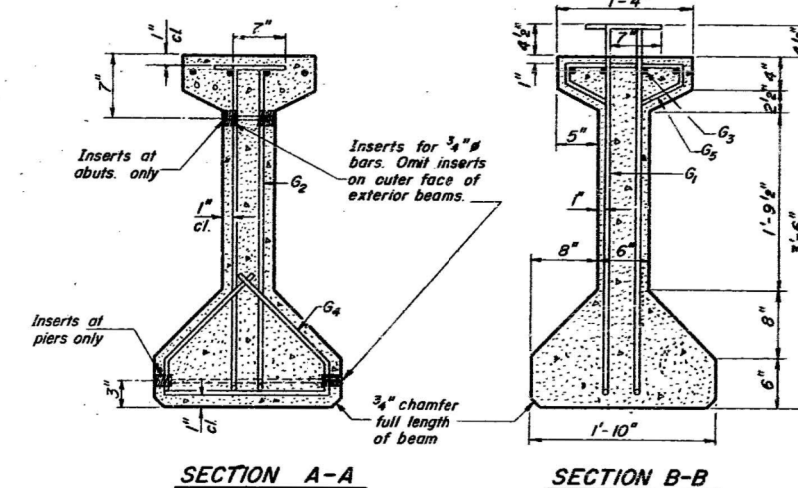
ELEVATION OF BEAMS - 1 Thru 12

Showing Reinforcement & Dimensions
(12 Req., 6 N.B. Structure & 6 S.B. Structure)



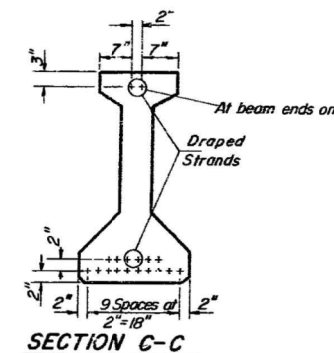
ELEVATION OF BEAMS - 1 Thru 12

Showing Prestressing Steel

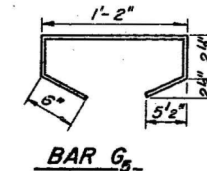


SECTION A-A

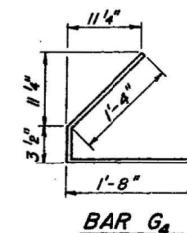
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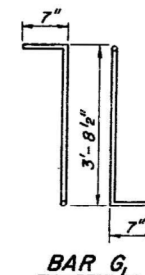
SECTION C-C



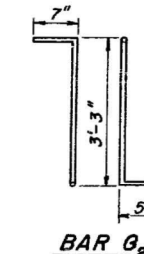
BAR G3



BAR G4



BAR G1



BAR G2

FOR FRAMING PLAN SEE SHEET #7

*** BAR LIST**

Bar	No	Size	Length	Shape
G1	178	#4	4'-10 1/2"	7L
G2	12	#5	4'-3"	7L
G3	8	#6	33'-1"	—
G4	48	#3	3'-3 1/2"	∟
G5	65	#3	2'-7"	○

* For one beam only

**** BILL OF MATERIAL**

Item	Unit	Total
Furnishing & Erecting Precast Prestressed Concrete I-Beams, 42"	Lin. Ft.	780

** For Both Structures

BEAM DETAILS

SPAN 2
F.A. RTE. 412 SEC. 50-8VB
LA SALLE COUNTY
STA. 758+10.24 (FA. RTE. 412)

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 lineal foot of "Furnishing And Erecting Precast Prestressed Concrete I-Beams, 42 In."

Prestressing Steel shall have a nominal diameter of 1/2".
Inserts for 3/4" threaded rods are to be two strut, coil type for interior I-Beams and single coil, flared loop type for exterior I-Beams.
Steel for lifting hooks shall be non-deformed bars $f_y = 40,000$ psi.

DESIGNED	Samani
CHECKED	G.H.
DRAWN	A.S.
CHECKED	A.P. / R.S.

PI-4-42 9-15-72

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

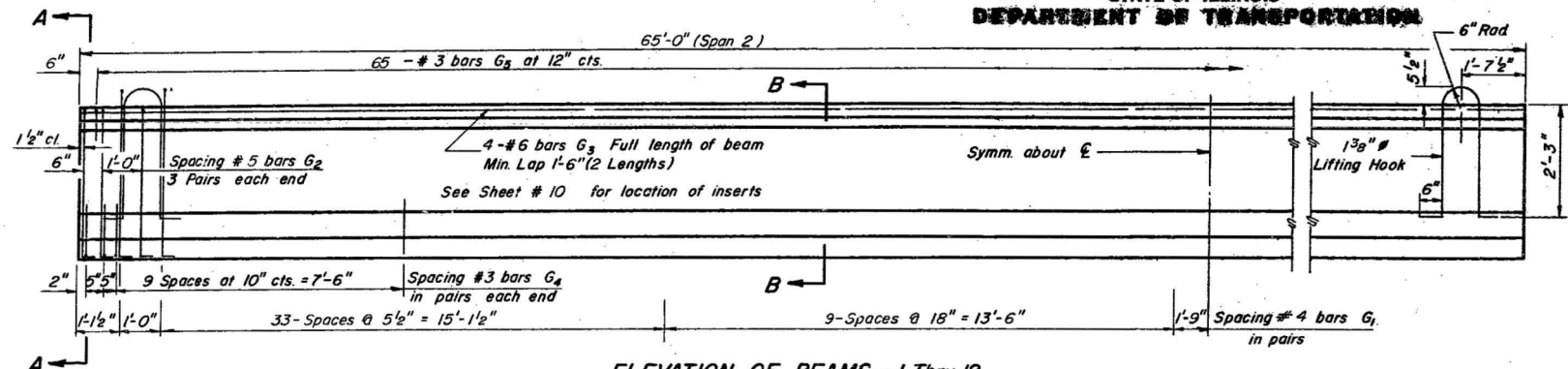
BEAM ELEVATION DETAILS
050-0163

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	20
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

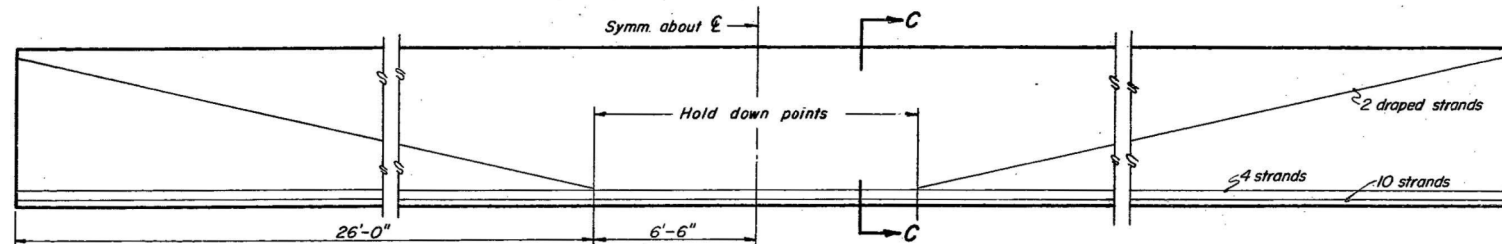
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	50-8VB	LA SALLE	32	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	SHEETS 18



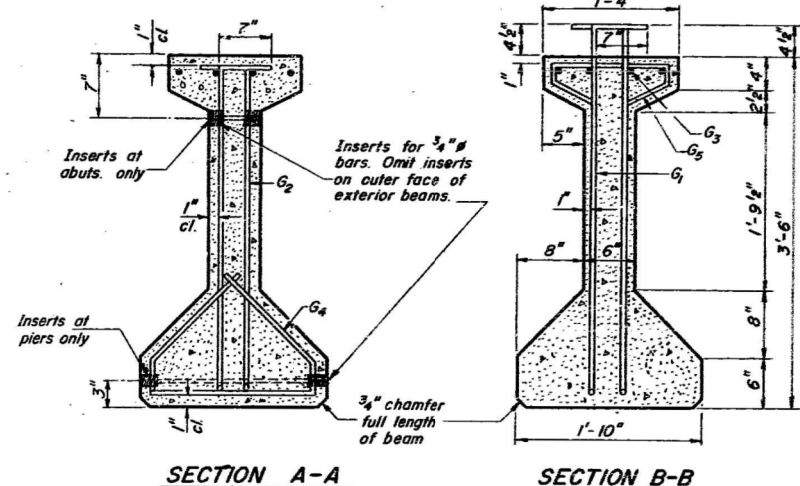
ELEVATION OF BEAMS - 1 Thru 12

Showing Reinforcement & Dimensions
(12 Req., 6 N.B. Structure & 6 S.B. Structure)



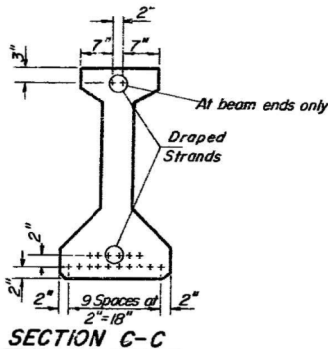
ELEVATION OF BEAMS - 1 Thru 12

Showing Prestressing Steel

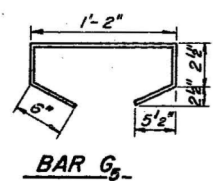


SECTION A-A

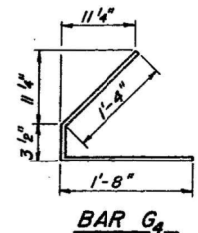
SECTION B-B



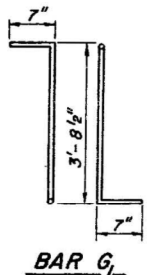
SECTION C-C



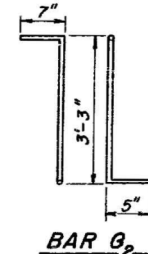
BAR G5



BAR G4



BAR G1



BAR G2

FOR FRAMING PLAN SEE SHEET #7

*** BAR LIST**

Bar	No	Size	Length	Shape
G1	178	#4	4'-10 1/2"	7L
G2	12	#5	4'-3"	7L
G3	8	#6	33'-1"	
G4	48	#3	3'-3 1/2"	∟
G5	65	#3	2'-7"	○

* For one beam only

**** BILL OF MATERIAL**

Item	Unit	Total
Furnishing & Erecting Precast Prestressed Concrete I-Beams, 42"	Lin. Ft.	780

** For Both Structures

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 lineal foot of "Furnishing And Erecting Precast Prestressed Concrete I-Beams, 42 In."

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Steel for lifting hooks shall be non-deformed bars fy = 40,000 psi.

DESIGNED	Samani
CHECKED	G.H.
DRAWN	A.S.
CHECKED	A.P.S. / R.S.

PI-4-42 9-15-72

FOR INFORMATION ONLY

BEAM DETAILS
SPAN 2
F.A. RTE. 412 SEC. 50-8VB
LA SALLE COUNTY
STA. 758+10.24 (FA. RTE. 412)

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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM ELEVATION DETAILS
050-0164

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	21
				CONTRACT NO. 66J72
ILLINOIS FED. AID PROJECT				

STRUCTURE NO 050-0163		
LOCATION	BACKWALL REPAIR	BEAM SEAT REPAIR
	EPOXY CRACK INJECT	EPOXY CRACK INJECT
SECTION NO	FT	FT
1		2
2		6
3		4.8
4	3	
5		4.8
6		5.4
7	3.7	4.8
8		
9		4.8
10		4.8
11		
12		4.8
13	4	
14		3
TOTAL	11	46

STRUCTURE NO 050-0164				
LOCATION	BACKWALL REPAIR		BEAM SEAT REPAIR	
	EPOXY CRACK INJECT	STRUCTURAL REPAIR OF CONCRETE DEPTH 5" OR LESS	EPOXY CRACK INJECT	STRUCTURAL REPAIR OF CONCRETE DEPTH 5" OR LESS
SECTION NO	FT	SQ FT	FT	SQ FT
15				
16				
17			4.8	
18		0.8		
19			4.8	
20			4.8	1
21				
22	4.4		4.8	0.8
23			6	
24	2.7		4.8	
25	4.4	0.7		
26			6.5	
27			4.8	
28	2.7		1	
TOTAL	14	2	43	2

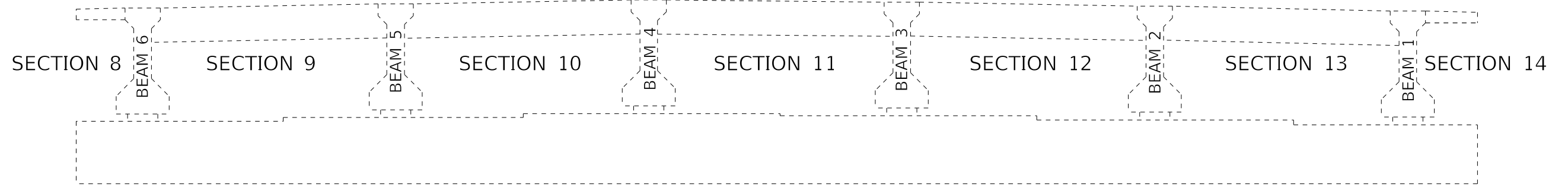
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	DRAWN - AOF	REVISED -
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

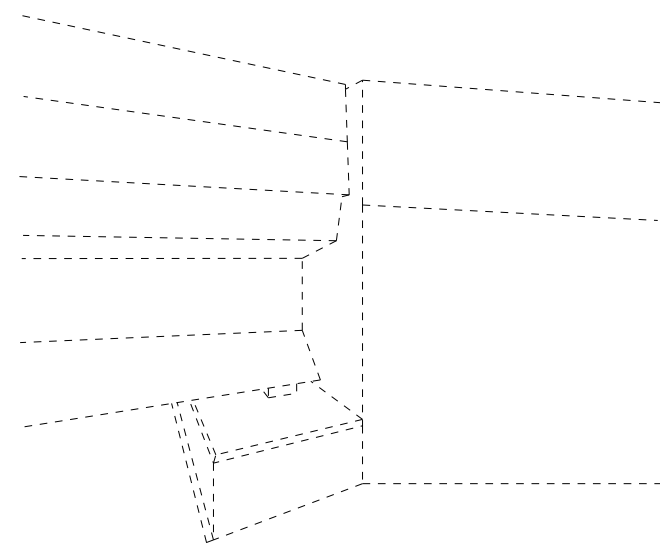
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BACKWALL & BEAM SEAT SCHEDULE			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

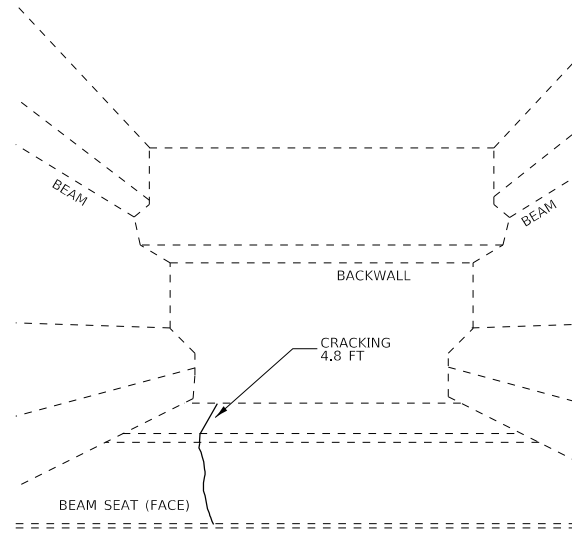
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	22
			CONTRACT NO. 66J72	
		ILLINOIS	FED. AID PROJECT	



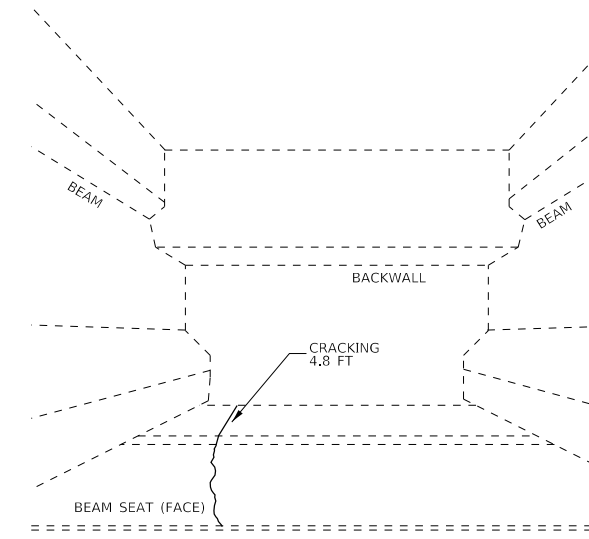
SN 050-0163
SOUTH SIDE (LOOKING SOUTH)



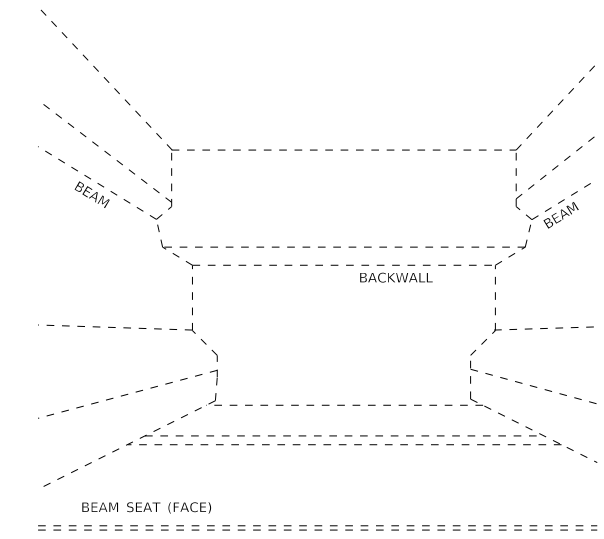
SECTION 8



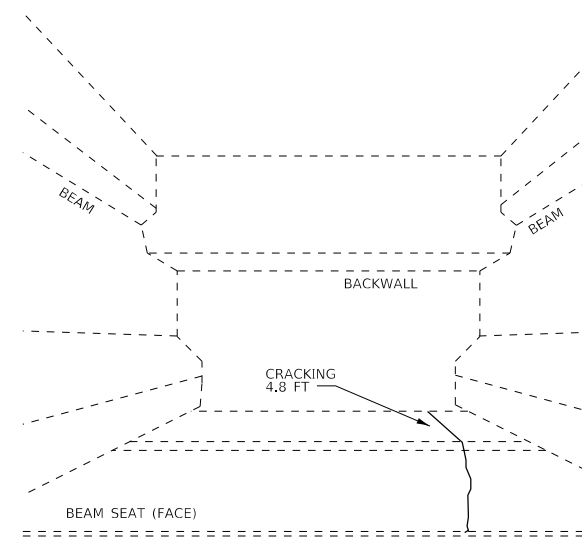
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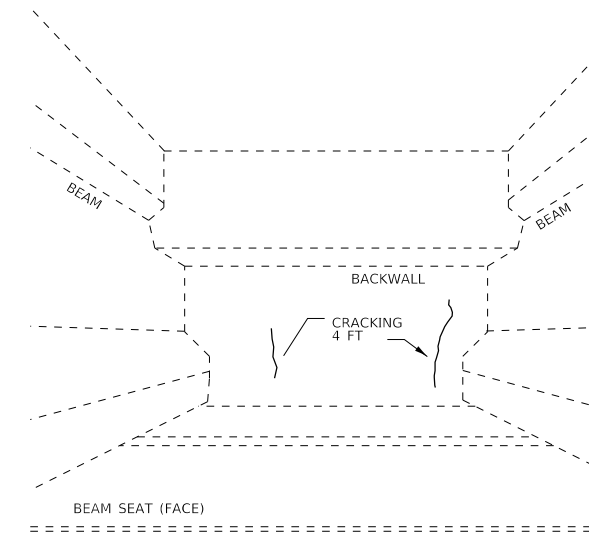
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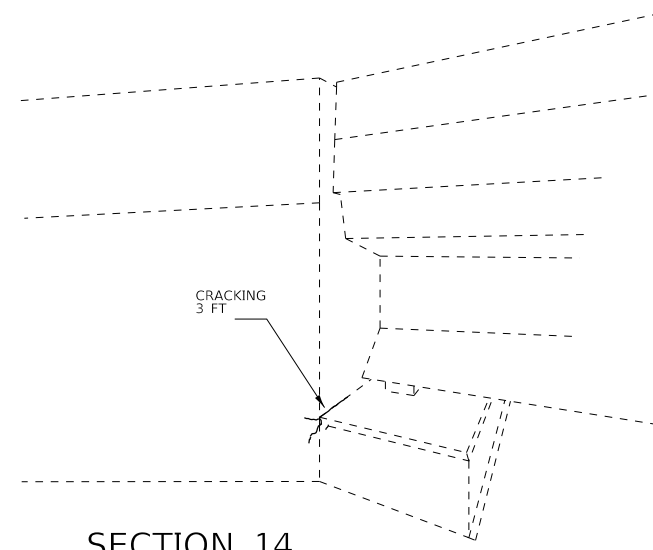
SECTION 11



SECTION 12



SECTION 13



SECTION 14

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
EPOXY CRACK INJECTION	FT	22

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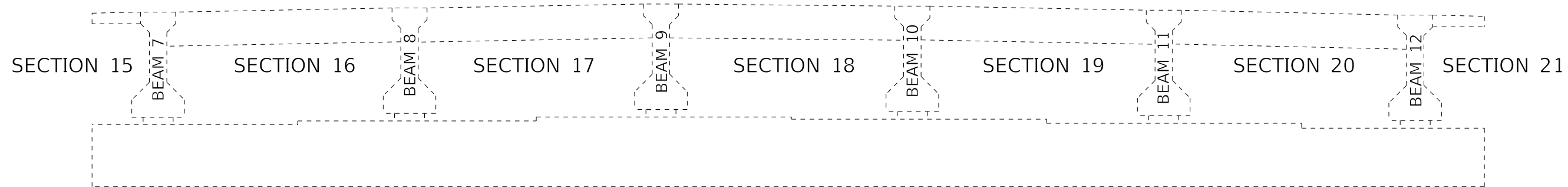
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

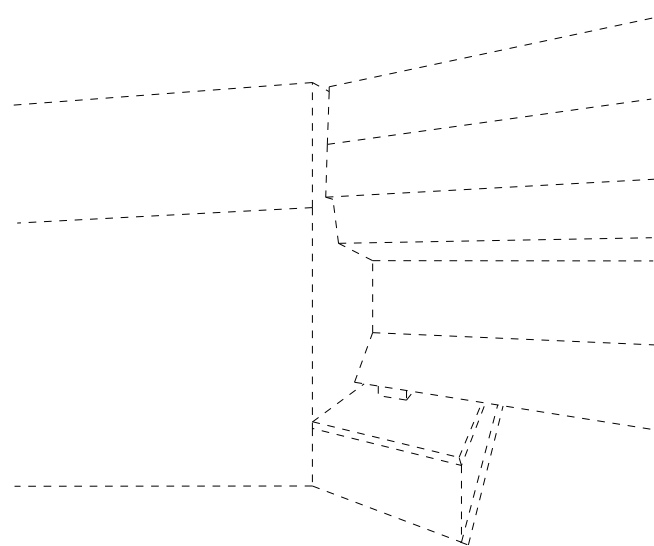
BACKWALL AND BEAM REPAIR DETAIL
SN 050-0163 SB

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

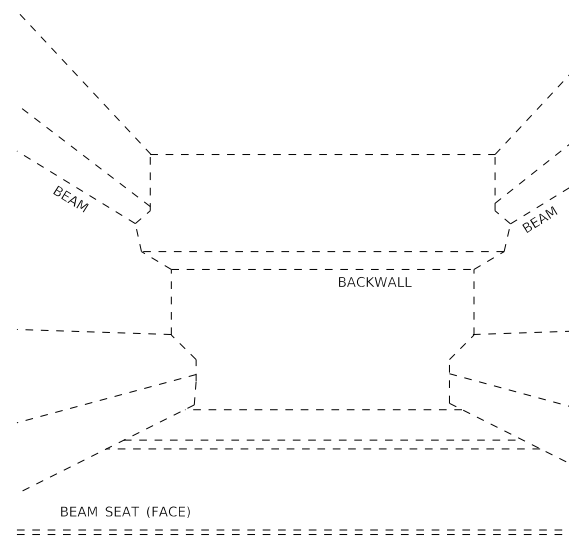
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	24
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



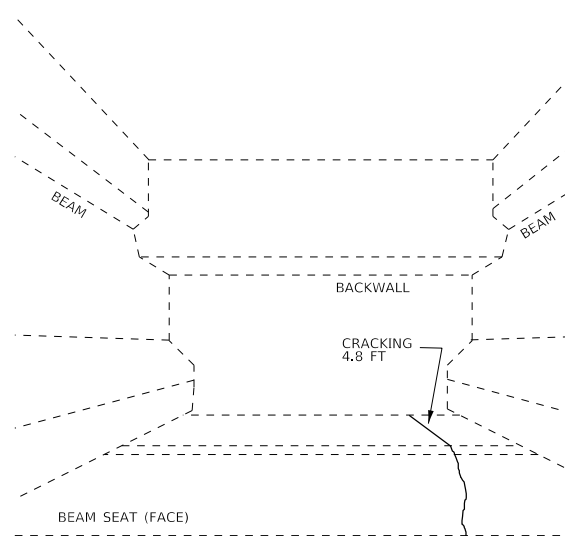
SN 050-0164
NORTH SIDE (LOOKING NORTH)



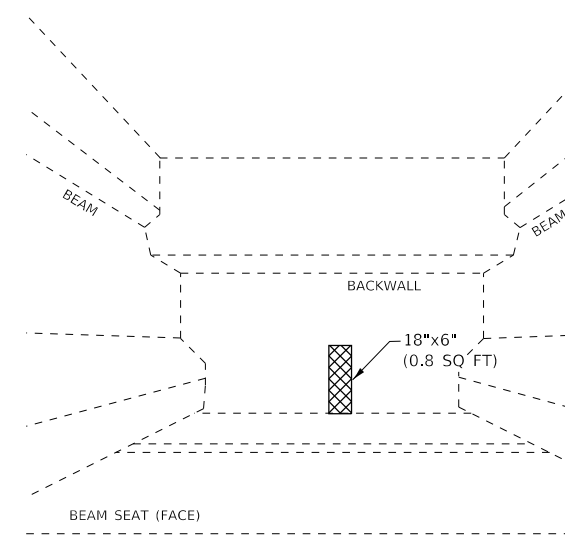
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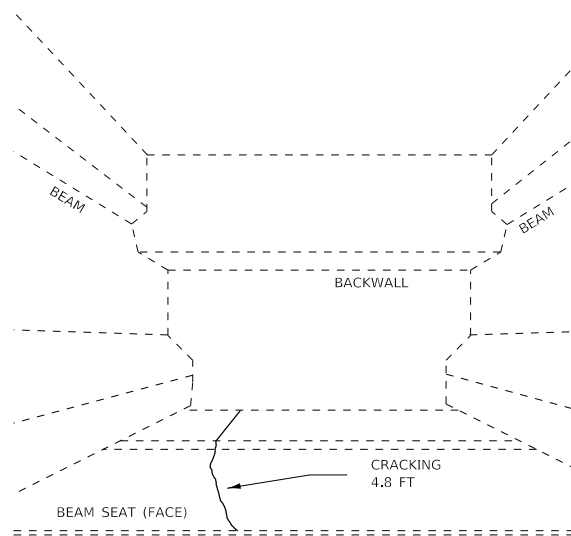
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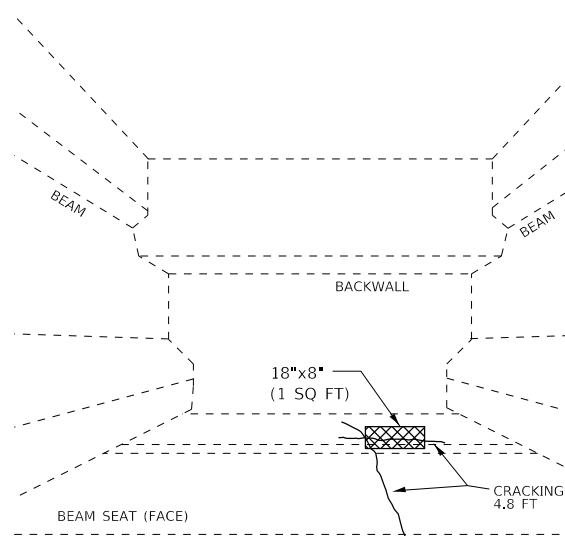
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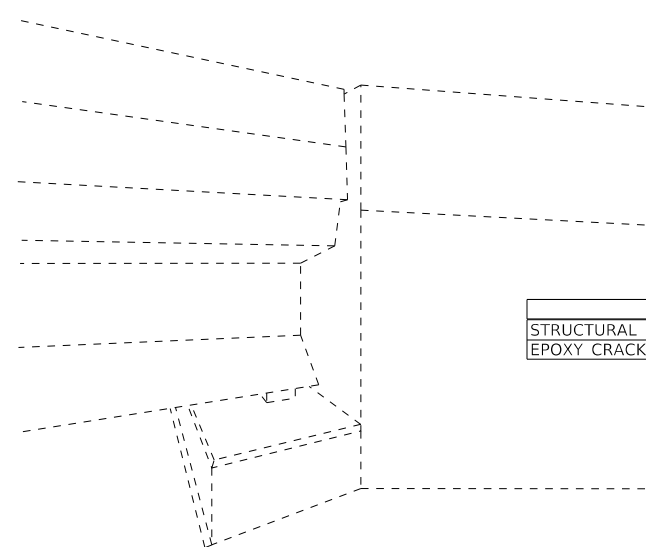
SECTION 18



SECTION 19



SECTION 20



SECTION 21

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	2
EPOXY CRACK INJECTION	FT	14

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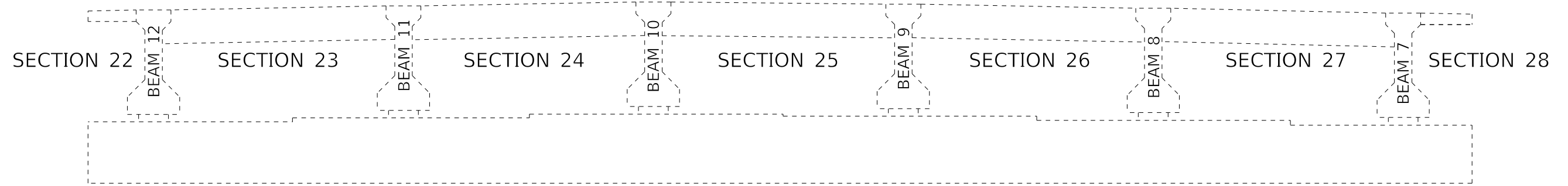
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	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

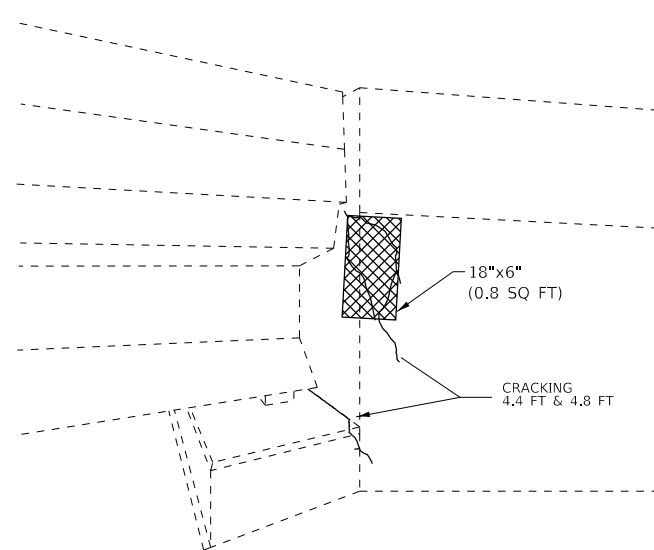
**BACKWALL & BEAM SEAT REPAIR DETAIL
SN 050-0164 NB**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

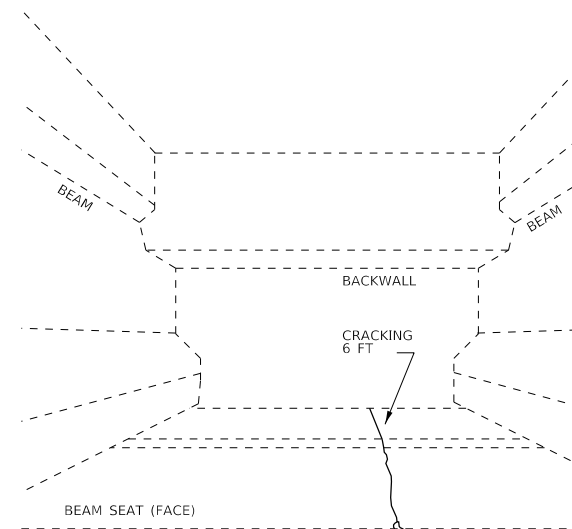
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	25
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



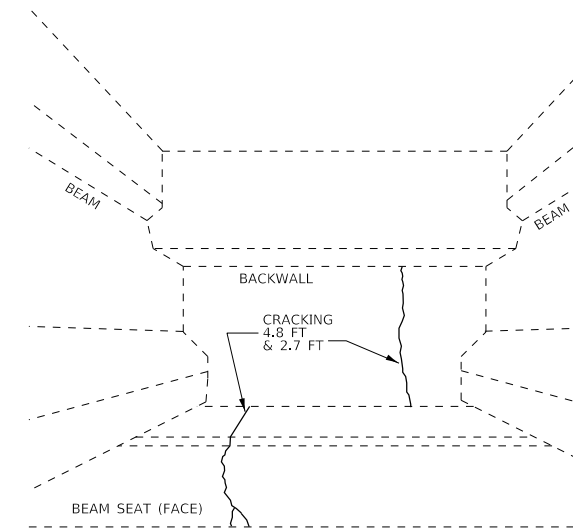
SN 050-0164
SOUTH SIDE (LOOKING SOUTH)



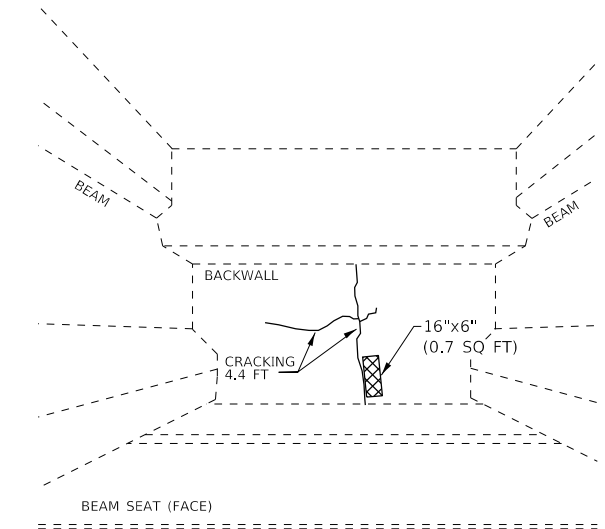
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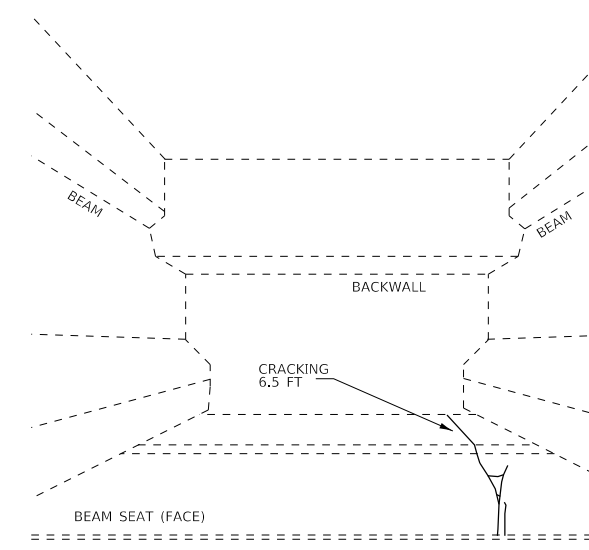
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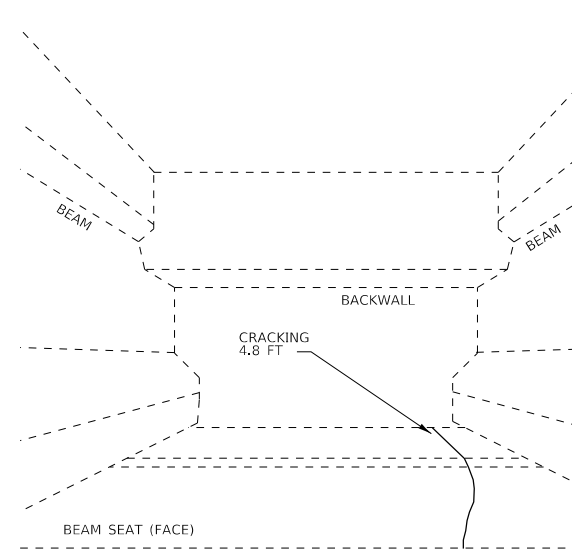
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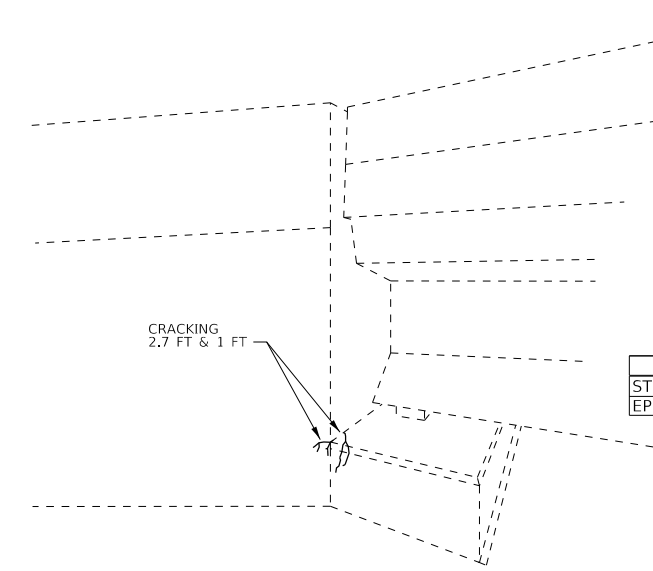
SECTION 25



SECTION 26



SECTION 27



SECTION 28

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	2
EPOXY CRACK INJECTION	FT	43

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PLOT SCALE = 100.0000' / in.	DRAWN - AOF	REVISED -
PLOT DATE = 8/22/2019	CHECKED - MTD	REVISED -
	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BACKWALL & BEAM SEAT REPAIR DETAIL
SN 050-0164 NB**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	26
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

PIER REPAIR SN 050-0163			
SECTION NO	LENGTH	WIDTH	STRUCTURAL REPAIR CONCRETE DEPTH 5" OR LESS
			SQ FT
PIER 1 (SOUTH)			
NORTH FACE (LOOKING SOUTH)			
1A	1.0	1.0	1.0
1B	1.0	1.0	1.0
1C	1.0	1.0	1.0
1D	1.0	1.0	1.0
1E	1.0	1.0	1.0
1F	1.0	1.0	1.0
1G	1.0	1.0	1.0
1H	1.0	1.0	1.0
SOUTH FACE (LOOKING NORTH)			
1I	3.0	3.0	9.0
1J	13.4	2.2	29.5
SUBTOTALS	24	13	47
PIER 2 (NORTH)			
NORTH FACE (LOOKING SOUTH)			
2A	1.0	1.0	1.0
2B	1.0	1.0	1.0
2C	1.0	1.0	1.0
2D	1.0	1.0	1.0
2E	1.0	1.0	1.0
2F	1.0	1.0	1.0
2G	1.0	1.0	1.0
2H	0.5	0.5	0.3
SOUTH FACE (LOOKING NORTH)			
2I	1.0	1.0	1.0
2J	1.0	1.0	1.0
2K	1.0	1.0	1.0
2L	1.0	1.0	1.0
SUBTOTALS	12	12	11
TOTALS	36	25	58

PIER REPAIR SN 050-0164			
SECTION NO	LENGTH	WIDTH	STRUCTURAL REPAIR CONCRETE DEPTH 5" OR LESS
			SQ FT
PIER 1 (SOUTH)			
NORTH FACE (LOOKING SOUTH)			
1A	1.0	1.0	1.0
1B	1.0	1.0	1.0
1C	1.0	1.0	1.0
1D	1.0	1.0	1.0
1E	1.0	1.0	1.0
1F	1.0	1.0	1.0
SOUTH FACE (LOOKING NORTH)			
1G	1.0	1.0	1.0
SUBTOTALS	7.0	7.0	7
PIER 2 (NORTH)			
NORTH FACE (LOOKING SOUTH)			
2A	1.0	1.0	1.0
2B	1.0	1.0	1.0
2C	0.5	0.2	0.1
2D	0.5	0.2	0.1
SOUTH FACE (LOOKING NORTH)			
2E	1.0	1.0	1.0
2F	1.0	1.0	1.0
2G	1.0	1.0	1.0
2H	1.0	1.0	1.0
2I	1.0	1.0	1.0
2J	1.0	1.0	1.0
2K	1.0	1.0	1.0
SUBTOTALS	10.0	9.4	9
TOTALS	17.0	16.4	16

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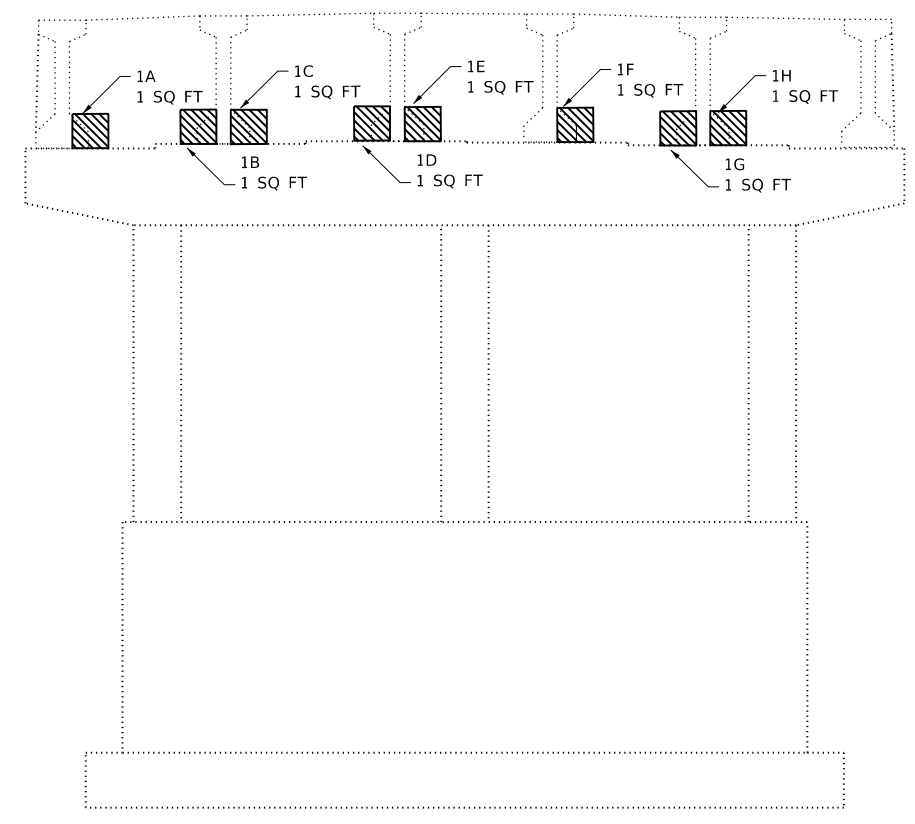
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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

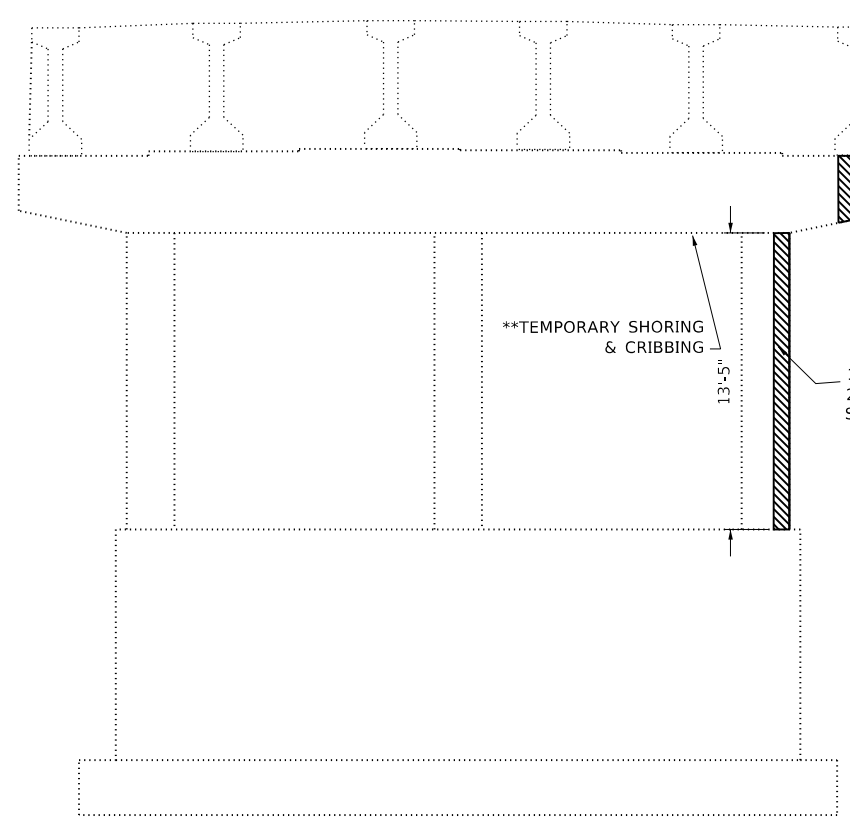
PIER REPAIR SCHEDULE			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	27
			CONTRACT NO. 66J72	
		ILLINOIS	FED. AID PROJECT	

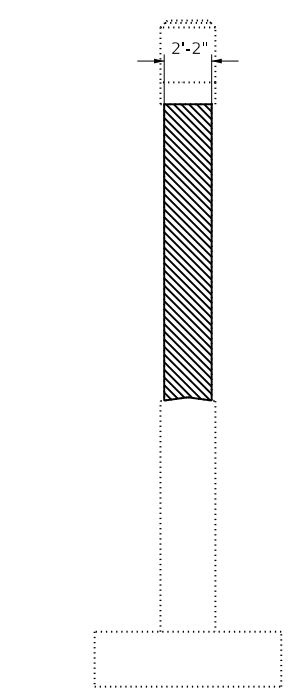
* SHORING NEEDED ON SOUTH SIDE OF CAP ONLY TO COMPLETE REPAIR 1I.
 ** SHORING ON CAMP NEEDED TO COMPLETE REPAIR 1J.



PIER 1 (SOUTH) - NORTH FACE
LOOKING SOUTH



PIER 1 (SOUTH) - SOUTH FACE
LOOKING NORTH



PIER 1 SOUTH
SIDE VIEW DETAIL

LEGEND
 STRUCTURAL REPAIR OF CONCRETE ON PIERS

NOTE:
 (1) SEE SCHEDULE FOR PIER REPAIR ON SHEET NO 27.
 (2) STRUCTURAL REPAIR OF CONCRETE DOES NOT INCLUDE BEAM. REPAIR FOR BEAM REPAIR REFER TO SHEET NO 17.

**INTERIOR PIER
REACTION TABLE**

REACTION	KIPS	PIER
DL	67.2	1
SDL	19.4	1
LL	45.8	1
Imp	12.8	1
TOTAL	145.2	1

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	47
TEMPORARY SHORING & CRIBBING	EACH	2

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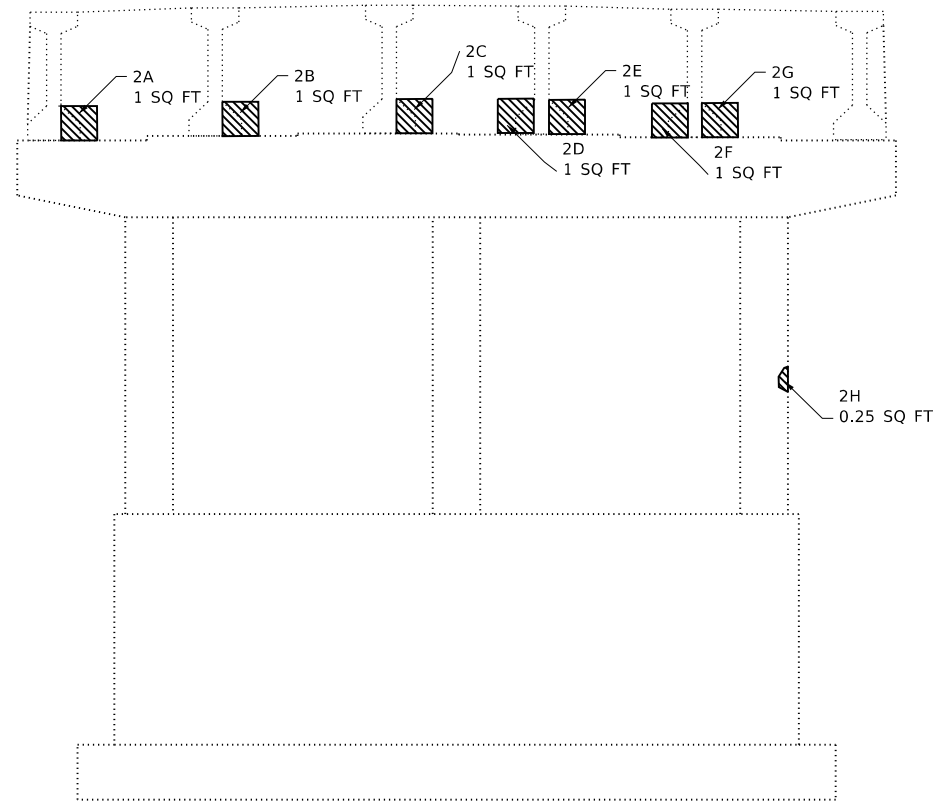
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

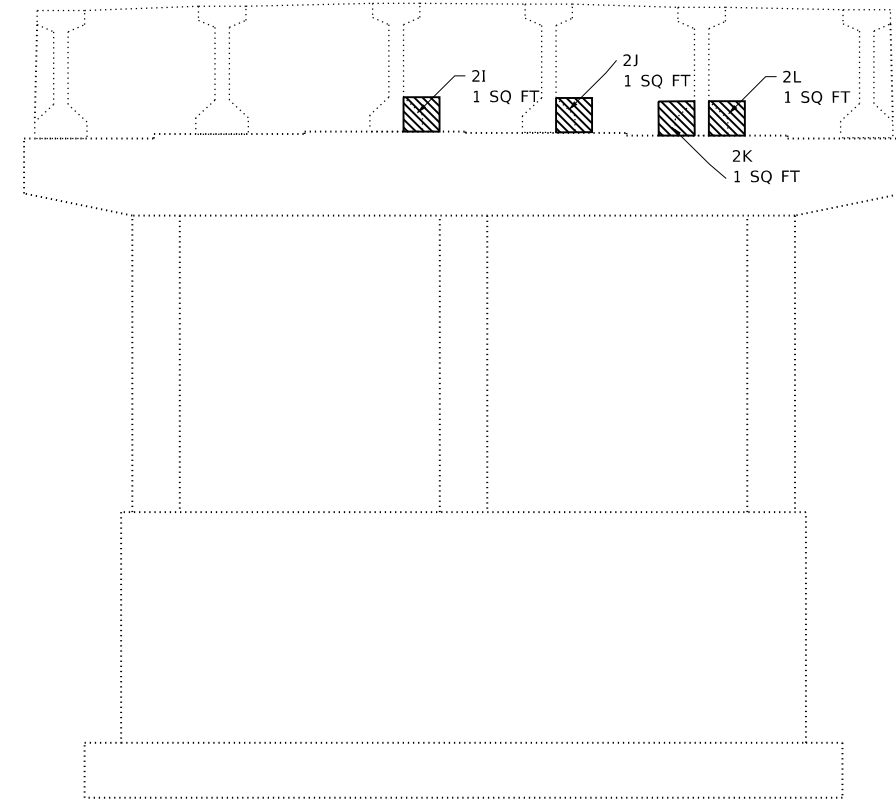
**PIER REPAIR DETAIL
SN 050-0163 SB**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	28
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



PIER 2 (NORTH) - NORTH FACE
LOOKING SOUTH



PIER 2 (NORTH) - SOUTH FACE
LOOKING NORTH

LEGEND



STRUCTURAL REPAIR OF CONCRETE ON PIERS

NOTE:

- (1) PLEASE SEE SCHEDULE FOR PIER REPAIR ON SHEET NO 25.
- (2) STRUCTURAL REPAIR OF CONCRETE DOES NOT INCLUDE BEAM. REPAIR FOR BEAM REPAIR REFER TO SHEET NO 17.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	11

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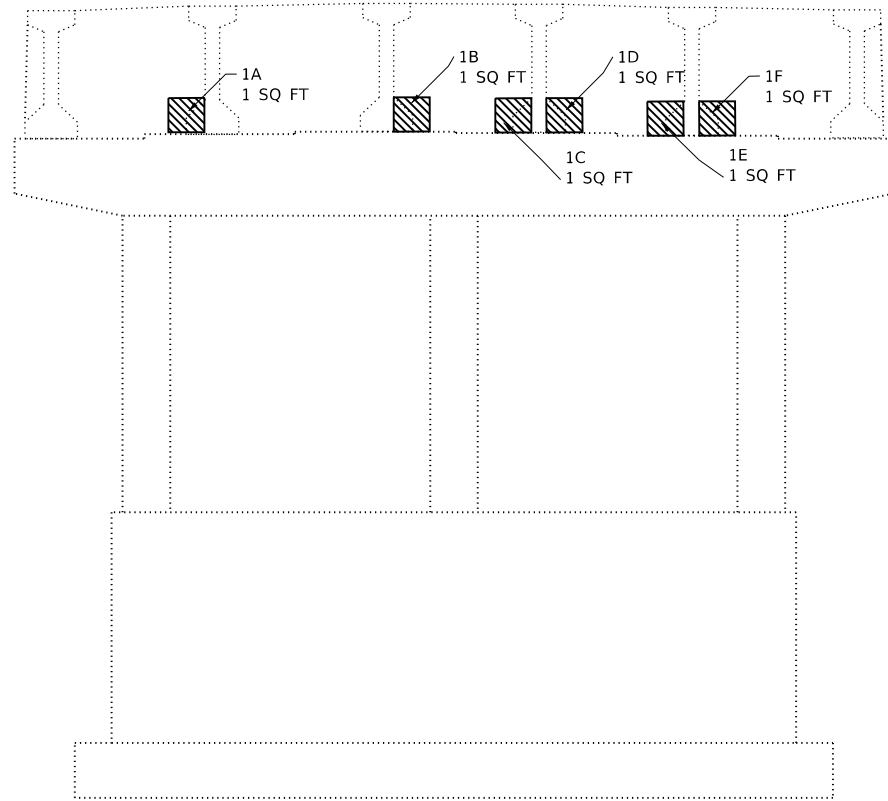
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

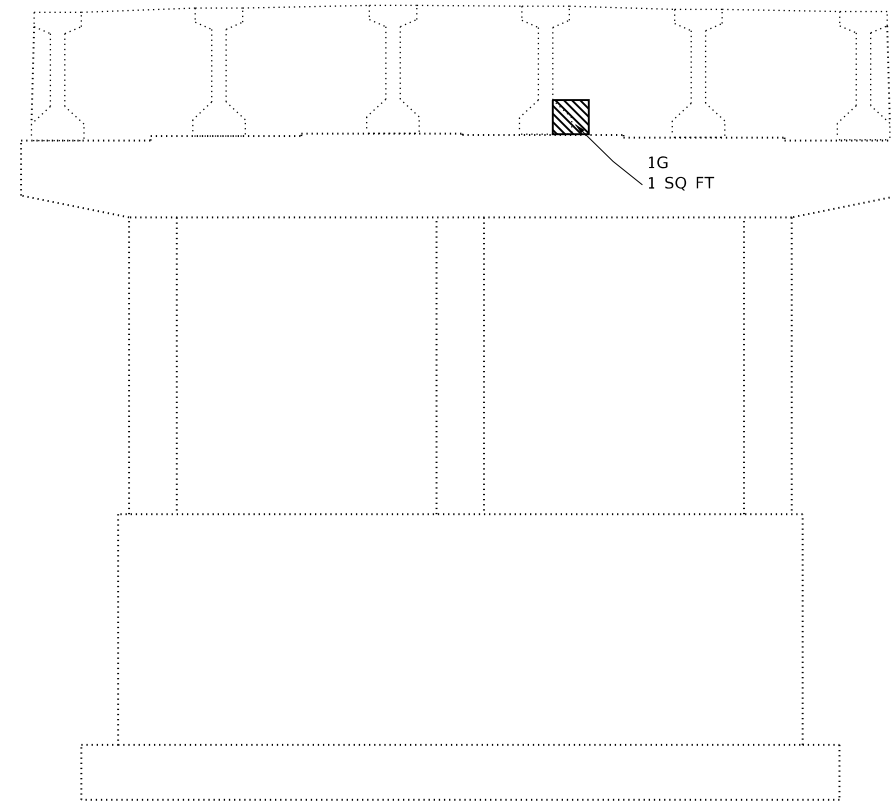
PIER REPAIR DETAIL
SN 050-0163 SB

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	29
			CONTRACT NO. 66J72	
		ILLINOIS	FED. AID PROJECT	



PIER 1 (SOUTH) - NORTH FACE
LOOKING SOUTH



PIER 1 (SOUTH) - SOUTH FACE
LOOKING NORTH

LEGEND

 STRUCTURAL REPAIR OF CONCRETE ON PIERS

NOTE:

- (1) PLEASE SEE SCHEDULE FOR PIER REPAIR ON SHEET NO 25.
- (2) STRUCTURAL REPAIR OF CONCRETE DOES NOT INCLUDE BEAM. REPAIR FOR BEAM REPAIR REFER TO SHEET NO 17.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	7

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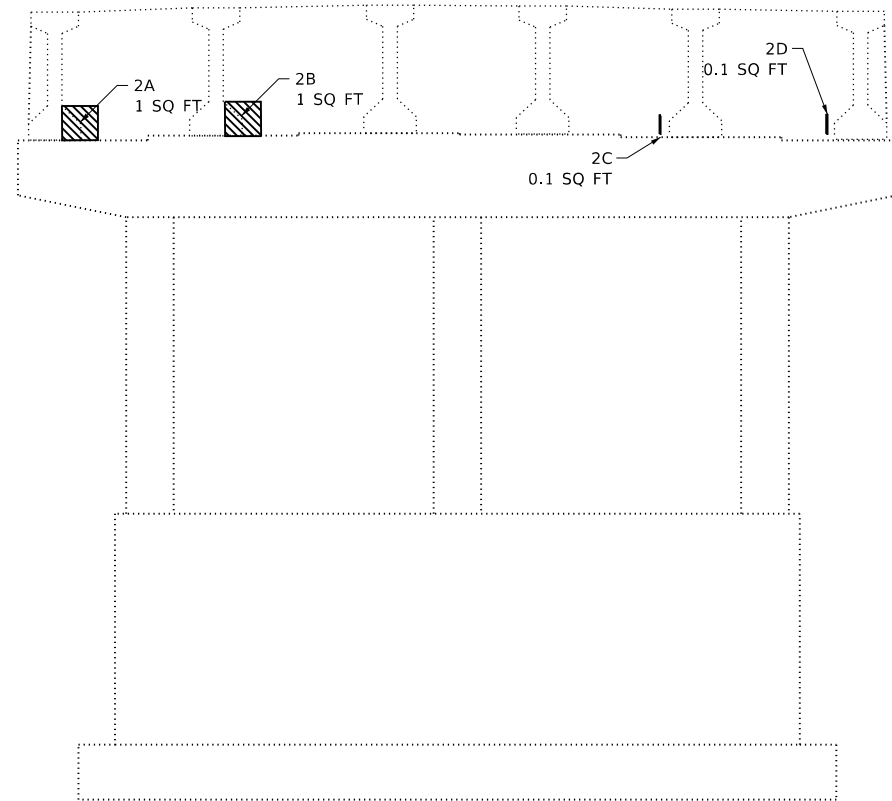
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR DETAIL
SN 050-0164 NB

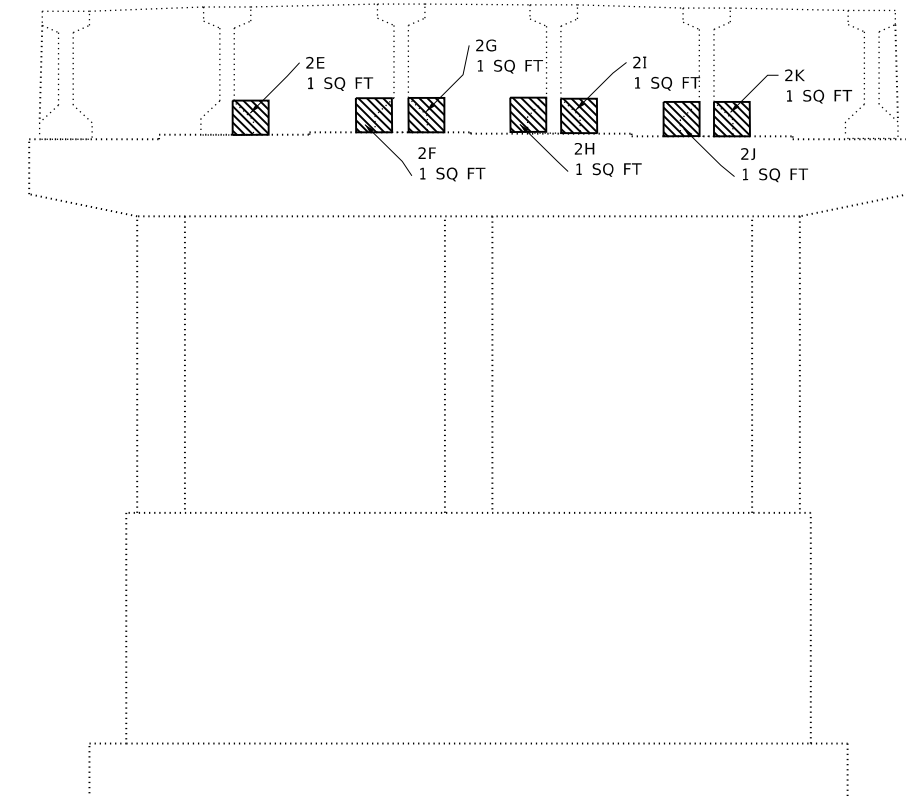
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR,1-2	LASALLE	36	30
			CONTRACT NO. 66J72	
		ILLINOIS	FED. AID PROJECT	

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PIER 2 (NORTH) - NORTH FACE
LOOKING SOUTH



PIER 2 (NORTH) - SOUTH FACE
LOOKING NORTH

LEGEND

STRUCTURAL REPAIR OF CONCRETE ON PIERS

NOTE:

- (1) PLEASE SEE SCHEDULE FOR PIER REPAIR ON SHEET NO 25.
- (2) STRUCTURAL REPAIR OF CONCRETE DOES NOT INCLUDE BEAM. REPAIR FOR BEAM REPAIR REFER TO SHEET NO 17.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	9

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIR DETAIL
SN 050-0164 NB

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

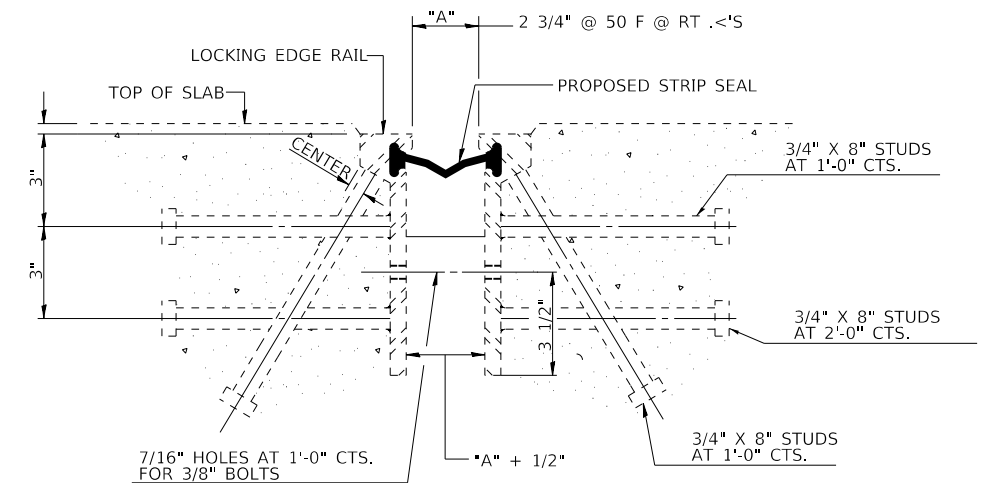
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR,1-2	LASALLE	36	31
CONTRACT NO. 66J72				
ILLINOIS			FED. AID PROJECT	



(A) CLEANING EXISTING DRAINAGE SCUPPERS



**(B) CLEANING AND REPAIR DRAINAGE SCUPPERS
SN 050-0164 NORTHBOUND LT.**



STRIP SEAL GLAND REPLACEMENT DETAIL

GENERAL NOTES

SEE SHEET 9 OF 34 FOR SCUPPER LOCATIONS.

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GR. 36.

BOLTS SHALL BE 1/2" DIAMETER AASHTO M164 TYPE 1, 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 OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

COST OF ALL LABOR AND MATERIALS NECESSARY TO REMOVE EXISTING GRATE AND INSTALL THE NEW GRATE IS INCLUDED IN THE COST FOR DRAINAGE SCUPPER TO BE ADJUSTED (EACH) PAY ITEM.

ALL THE EXISTING DRAINAGE SCUPPERS AND DOWNSPOUTS SHALL BE CLEANING. CONTRACTOR SHALL ENSURE THAT NO DAMAGE IS DONE TO EXISTING GRATES TO BE REUSED. COST OF ALL LABOR AND MATERIALS NECESSARY TO REMOVE EXISTING GRATES AND REINSTALLING GRATES IS INCLUDED IN THE COST PER UNIT EACH FOR CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS PAY ITEM.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	1
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	4
STRIP SEAL GLAND REPLACEMENT	FOOT	172

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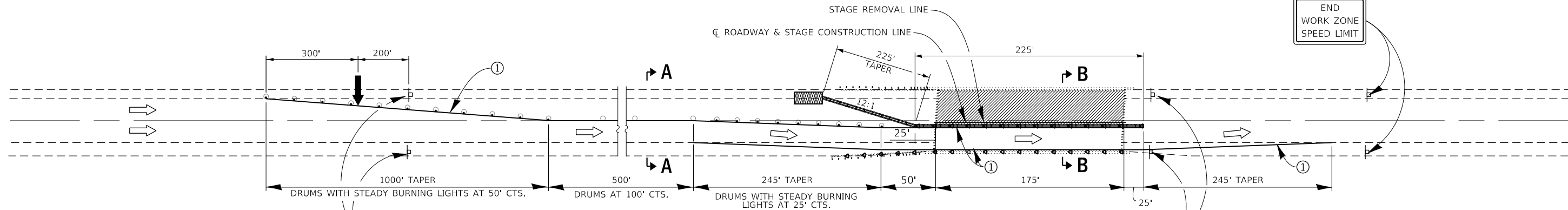
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SCUPPER ADJUSTMENT & STRIP SEAL REPLACEMENT DETAILS
SN 050-0163 SB & SN 050-0164 NB**

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

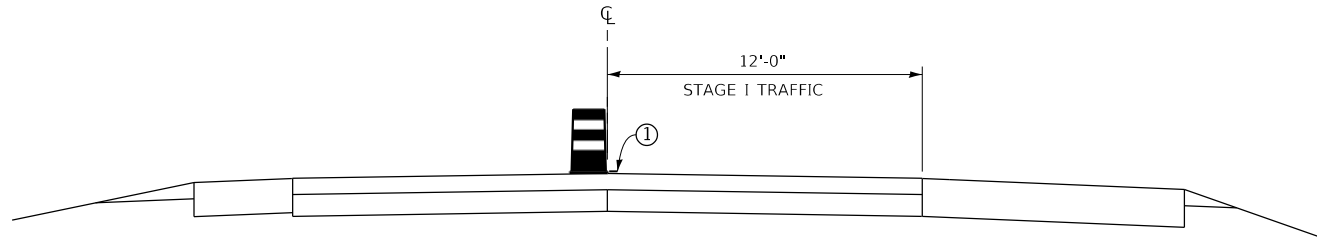
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



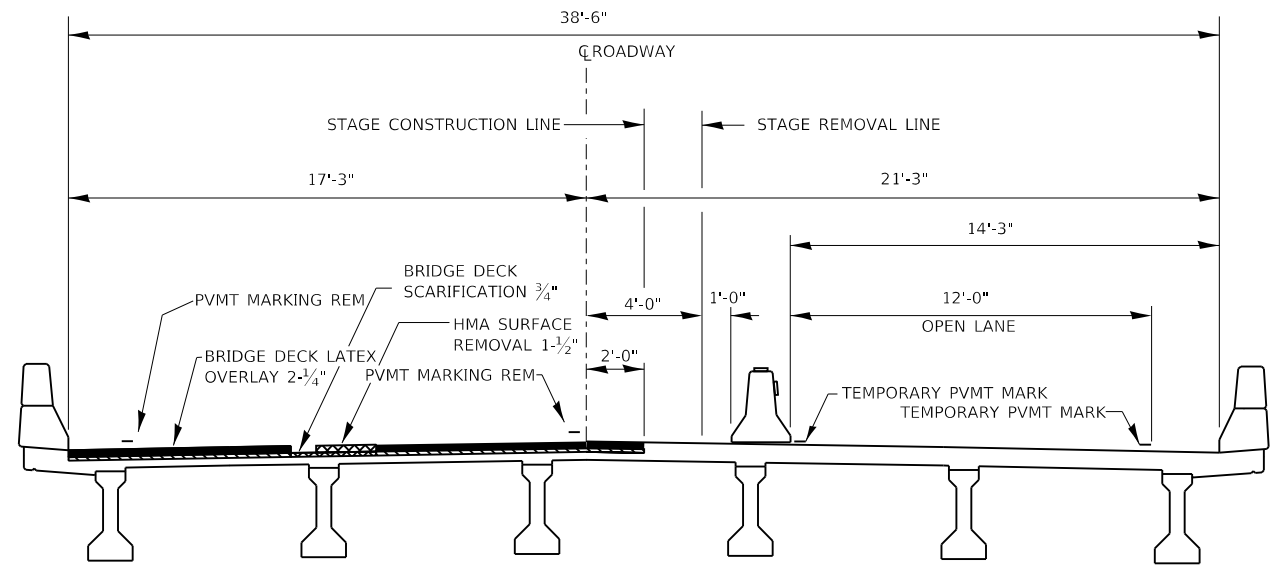
PLAN STAGE I

WORK ZONE	W2-III5(0)-3618
SPEED LIMIT	R2-1-3648
45	
PHOTO ENFORCED	R10-1108p-3618
SXXX FINE MINIMUM	R2-1106p-3618

WORK ZONE	W2-III5(0)-3618
SPEED LIMIT	R2-1-3648
55	
PHOTO ENFORCED	R10-1108p-3618
SXXX FINE MINIMUM	R2-1106p-3618



SECTION A-A STAGE I
LOOKING IN DIRECTION OF TRAFFIC



SECTION B-B STAGE I
LOOKING IN DIRECTION OF TRAFFIC

GENERAL NOTES

- UTILIZING STANDARDS 701400 AND 701402, REMOVE THE CONFLICTING PAVEMENT MARKING AND INSTALL NEW PAVEMENT MARKING FOR STAGE I TRAFFIC, WHERE ABLE TO IN LANE 2.
- THIS DETAIL MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400 (SPECIAL).
- TEMPORARY CONCRETE BARRIER SHALL BE USED IN ACCORDING TO STANDARD 704001.
- MONODIRECTION REFLECTORS AS SHOWN ON THE TEMPORAY CONCRETE BARRIER SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE COST OF THE TEMPORARY CONCRETE BARRIER.

SYMBOLS

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- TRAFFIC CONTROL DRUM
- ⊙ TRAFFIC CONTROL DRUM, WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKERS AT 25' CTS. MARKERS ON RIGHT SHALL BE SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER.
- ▩ IMPACT ATTENUATOR

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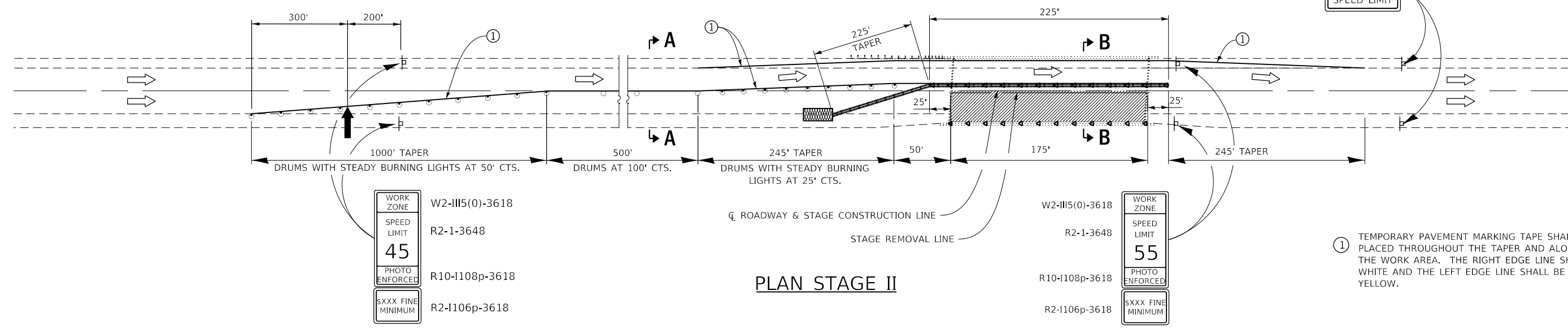
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION STANDARD 701402
STAGE 1**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	33
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				

END WORK ZONE SPEED LIMIT



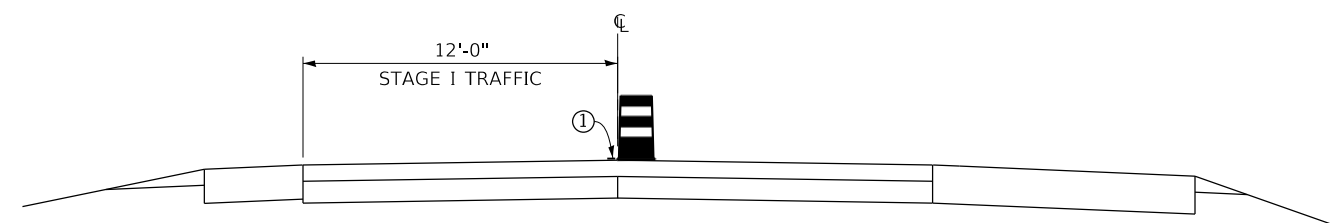
PLAN STAGE II

GENERAL NOTES

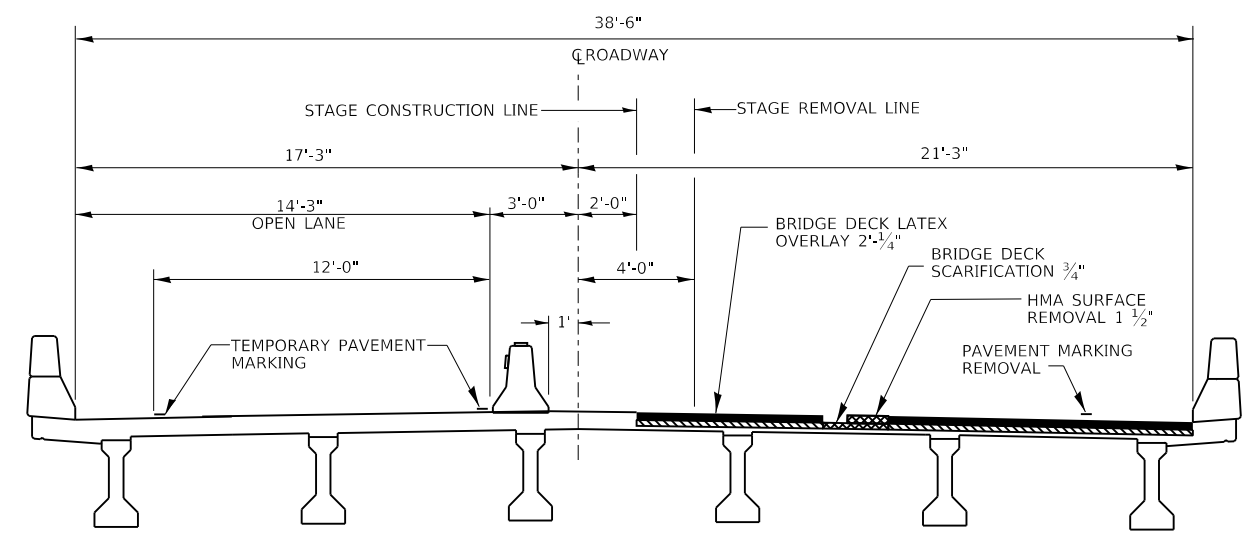
THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24" OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400 (SPECIAL).

TEMPORARY CONCRETE BARRIER SHALL BE USED IN ACCORDING TO STANDARD 704001.



SECTION A-A STAGE II
LOOKING IN DIRECTION OF TRAFFIC



SECTION B-B STAGE II
LOOKING IN DIRECTION OF TRAFFIC

SYMBOLS

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- TRAFFIC CONTROL DRUM
- ⊙ TRAFFIC CONTROL DRUM, WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKERS AT 25' CTS. MARKERS ON RIGHT SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER.
- ▩ IMPACT ATTENUATOR

NOT TO SCALE

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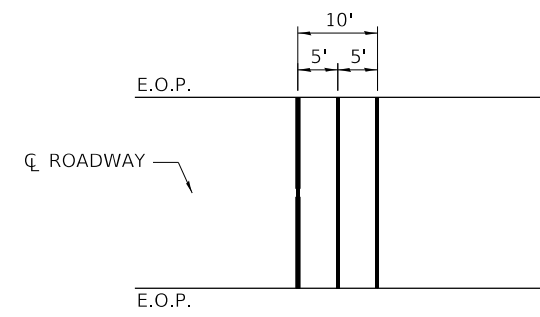
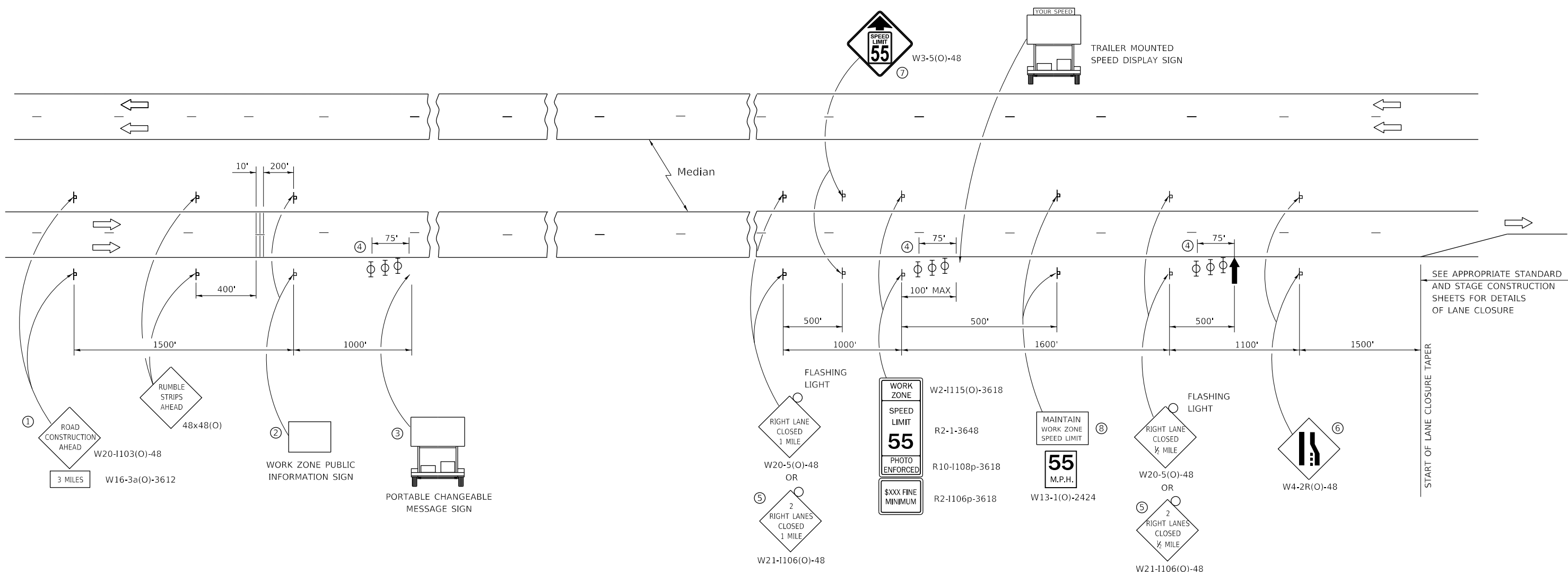
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PLOT DATE = 8/22/2019		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION STANDARD 701402
STAGE II

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	34
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



TEMPORARY RUMBLE STRIP

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 *RIGHT LANE CLOSED" / " x MILES AHEAD"
 *LEFT LANE CLOSED" / " x MILES AHEAD"
 *ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.
48"



- ↑ ARROW BOARD
- ▭ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ≡ TEMPORARY RUMBLE STRIPS (SEE SPECIAL PROVISION)

GENERAL NOTES

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST THREE SIGNS, RUMBLE STRIPS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROW BOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

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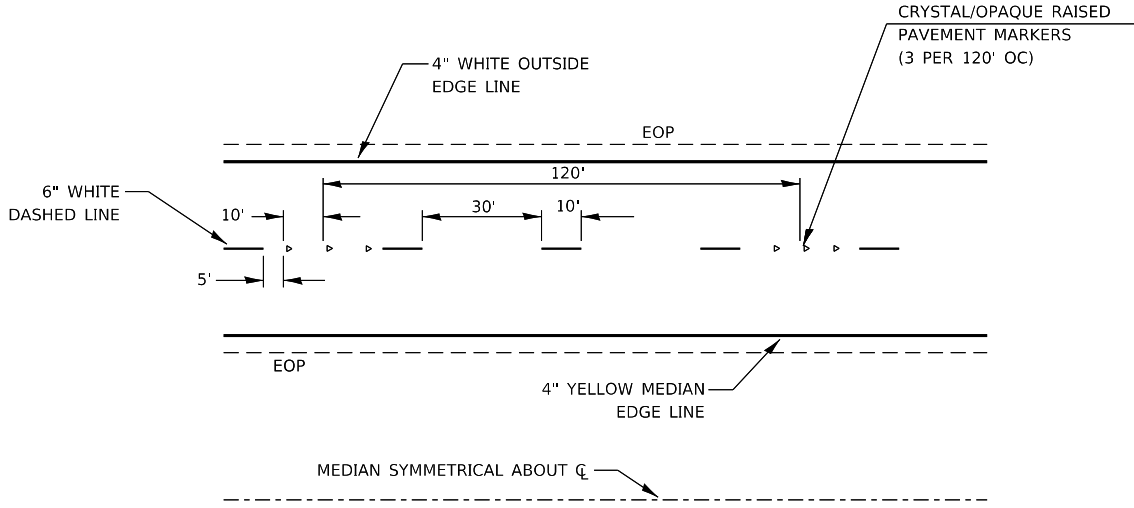
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

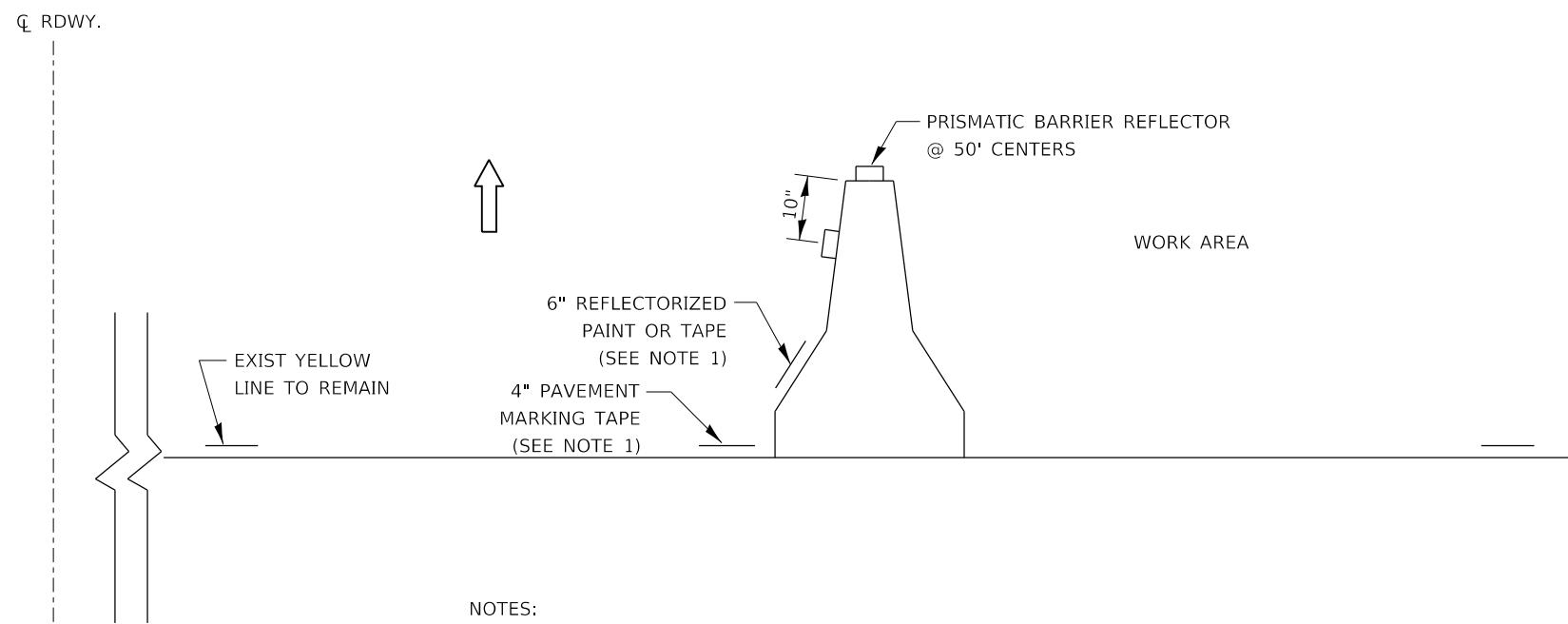
TRAFFIC CONTROL AND PROTECTION STANDARD 701400 (SPECIAL)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	35
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				



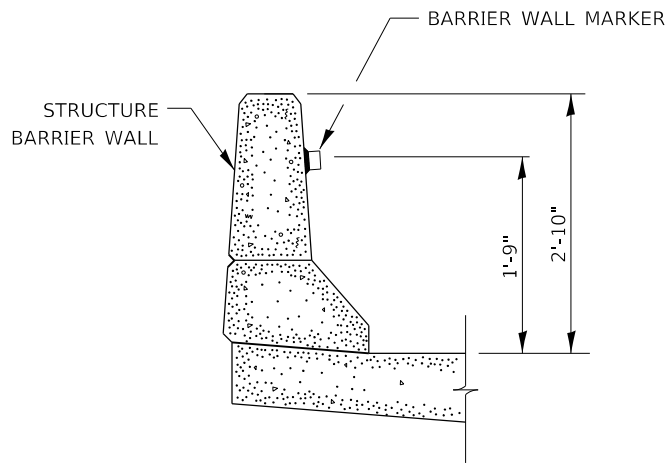
TYPICAL PAVEMENT MARKINGS



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

**TRAFFIC CONTROL DETAIL
FOR TEMPORARY CONCRETE BARRIER**



BARRIER WALL MARKER

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PLOT DATE = 8/22/2019	DATE - 8/13/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-8VB)BJR, 1-2	LASALLE	36	36
CONTRACT NO. 66J72				
ILLINOIS FED. AID PROJECT				