

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. R.T. E.	SECTION	COUNTY	J.T.T. J.T.S.	SHEET
39	(50-4HB)	LASALLE	47*	1
		ILLINOIS	CONTRACT NO. 66L01	

* 47 + 3 = 50 TOTAL SHEETS

INDEX OF SHEETS

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**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 39 (I-39)
SECTION (50-4HB)I
PROJECT NHPP-1PC2(701)
BRIDGE LATEX OVERLAY, CLEANING &
PAINTING, EXPANSION JOINT
LASALLE COUNTY**

C-93-084-20

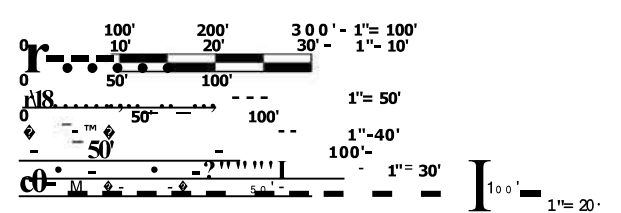
LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
701331-05	LANE CLOSURE, WITH RUN-AROUND
701326-04	LANE CLOSURE, PAVEMENT WIDENING
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP
704001-08	TEMPORARY CONCRETE BARRIER

PROJECT START
STA 392+00

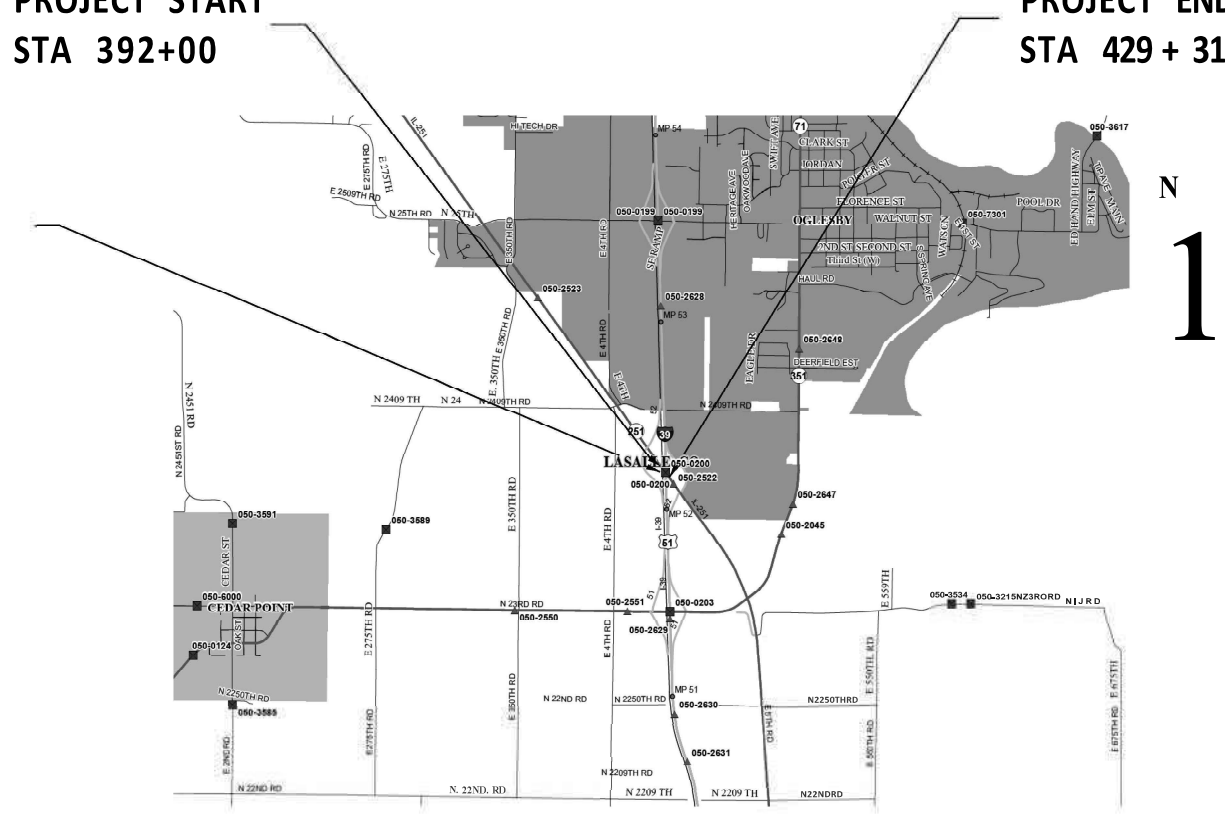
PROJECT END
STA 429 + 31.50

SN 050-0200
STA 410 + 01



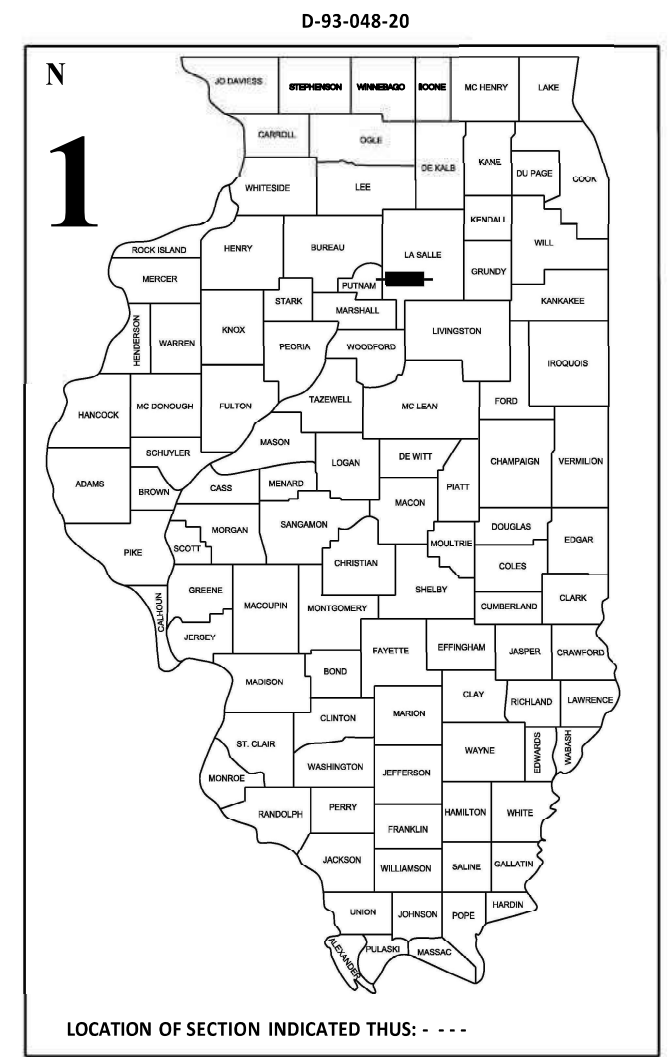
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



GROSS LENGTH = 3731.5 FT. = 0.71 MILE
NET LENGTH = 3735.28 FT. = 0.71 MILE

PROJECT ENGINEER JACOB OYIER, P.E.
UNIT CHIEF STEPHENIE CARMIN
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66L01



FUNCTIONAL CLASSIFICATION
OTHER ARTERIAL
2019 ADT = 4100
P.V. = 90% S.U. = 3.9% M.U. = 6.1%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 29, 2021

James Howard
REGIONAL ENGINEER

March 19, 2021
Scott A. Clark
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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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.

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.

STRUCTURE NO. 050-0200 SHALL BE DESIGNATED AS "LOCATION 1".

THE SSPC-QP1 AND SSPC-QP-2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.

A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR EACH STRUCTURE. THE CONTRACTOR SHALL FURNISH AND INSTALL THE MONITORS AS DIRECTED BY THE ENGINEER. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".)

CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.

- a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, DRAINS, CROSS/LATERAL FRAMING (WHEN PRESENT), EXPOSED SURFACES OF BEARING ASSEMBLIES AND STEEL HANDRAILS SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10".
 - b) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, DRAINS, CROSS/LATERAL FRAMING (WHEN PRESENT), EXPOSED SURFACES OF BEARING ASSEMBLIES AND STEEL HANDRAILS SHALL BE PAINTED PER THE REQUIREMENT OF "PAINT SYSTEM 1-OZ/E/U.
- 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL BE "GRAY, MUNSELL NO. 5B 7/1".
 - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2.

THE CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OF LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LISCENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

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: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	2
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR . CODE	
				FUNDING	NHPP - RUR
				90% FED	10% STATE
				BRIDGE	0047
				050-0200	
20800150	TRENCH BACKFILL	CU YD	66.2	66.2	
28100105	STONE RIPRAP, CLASS A3	SQ YD	420	420	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4258	4258	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.9	1.9	
40600906	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	3.2	3.2	
40600990	TEMPORARY RAMP	SQ YD	112	112	
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	796	796	
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	530	530	
42001300	PROTECTIVE COAT	SQ YD	3344	3344	
44000100	PAVEMENT REMOVAL	SQ YD	38	38	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	6308	6308	
44000300	CURB REMOVAL	FOOT	60	60	
44003100	MEDIAN REMOVAL	SQ FT	3323	3323	
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	22	22	
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	44	44	

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PLOT DATE = 1/30/2021	DATE -	REVISED +

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)	LASALLE	47	3
			CONTRACT NO. 66L01	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FUNDING
				STP - RUR
				BRIDGE
				0047
				050-0200
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	6640	6640
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	L SUM	1	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1450	1450
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	484	484
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23584	23584

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)	LASALLE	42	5
		CONTRACT NO. 66L01		
		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FUNDING
				STP - RUR
				BRIDGE
				0047
				050-0200
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1138	1138
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1138	1138
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 72000100	SIGN PANEL - TYPE 1	SQ FT	60	60
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2
73000100	WOOD SIGN SUPPORT	FOOT	60	60
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	233	233
* 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	94	94
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	23584	23584
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1032	1032
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1150	1150
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	50	50

*= SPECIALTY ITEM

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	42	6
ILLINOIS FED. AID PROJECT				

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CONSTR. CODE
FUNDING
STP - RUR
BRIDGE
0047
050-0200

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	291	291
* 78200020	CURB REFLECTORS	EACH	205	205
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	291	291
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	12	12
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	21	21
X0327371	PLUG EXISTING PIPE	CU YD	12	12
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	21	21
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2736	2736
X0800001	SHOULDER REMOVAL (SPECIAL)	SQ YD	1070	1070
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	4	4
X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	232	232
50300260	BRIDGE DECK GROOVING	SQ YD	1874	1874
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

* = SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)	LASALLE	47	7
			CONTRACT NO. 66L01	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FUNDING
				STP-RUR
				BRIDGE
				0047
				050-0200
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	233	233
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	15328	15328
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1150	1150
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	94	94
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	2198	2198
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2198	2198
Z0012500	CONCRETE CURB REPAIR	FOOT	21	21
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	63	63
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	50	50
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10	10

*= SPECIALTY ITEM

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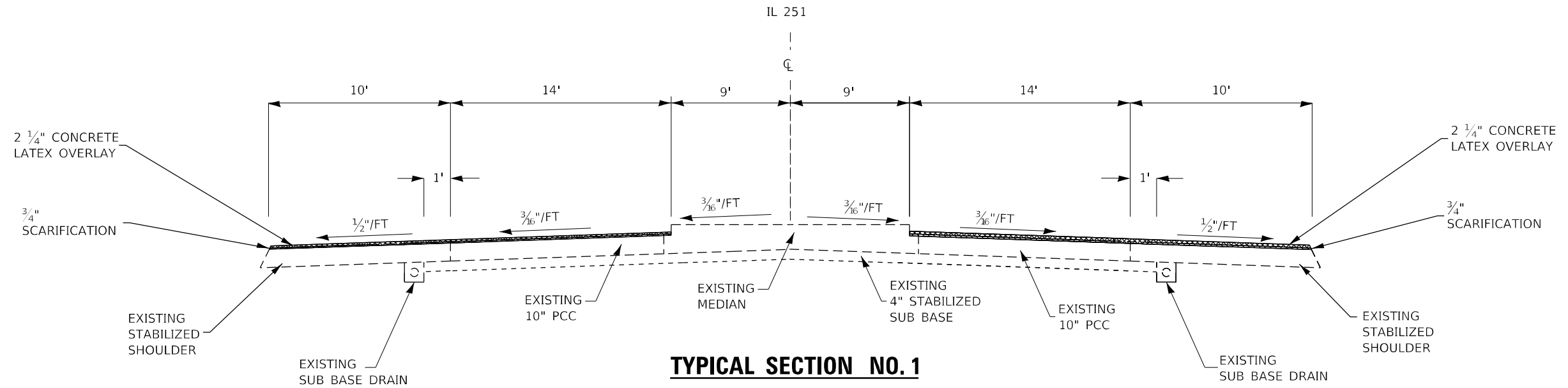
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

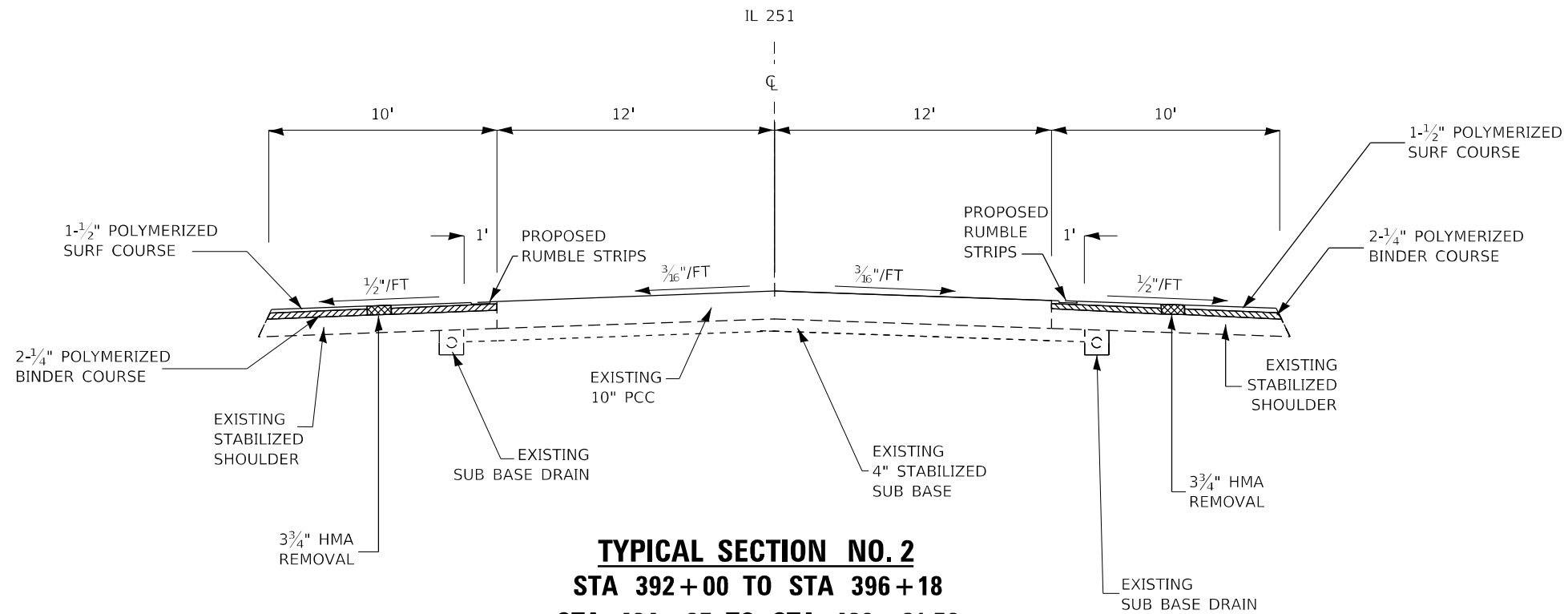
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)	LASALLE	47	8
			CONTRACT NO. 66L01	
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION NO. 1
STA 407+95.33 TO STA 412+06.67
STA 407+95.33 TO STA 408+47.33 (APP)
STA 408+47.33 TO STA 411+54.67 (BRIDGE)
STA 411+54.67 TO STA 412+06.67 (APP)



TYPICAL SECTION NO. 2
STA 392+00 TO STA 396+18
STA 424+37 TO STA 429+31.50

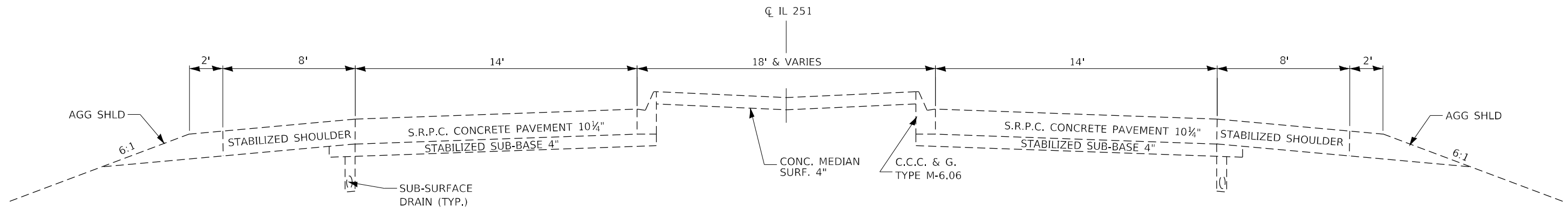
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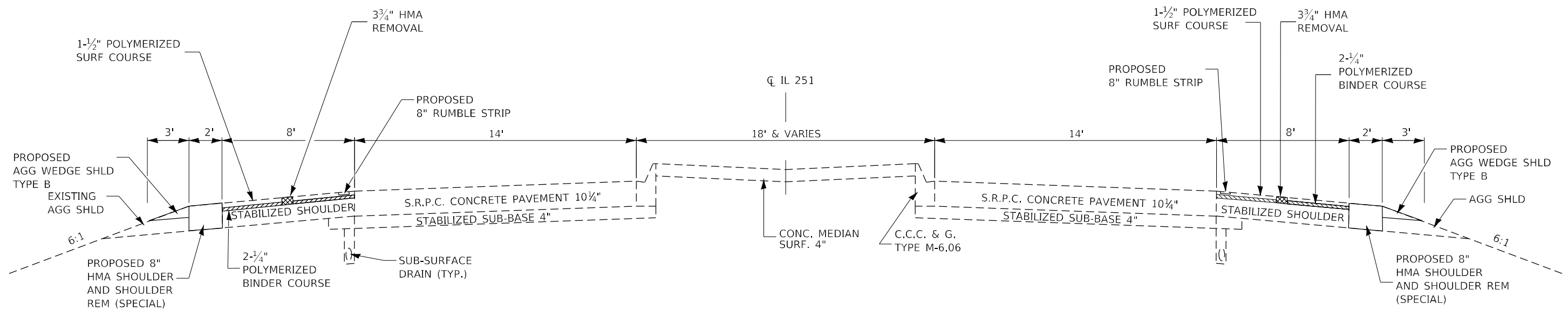
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION IL 251				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	9
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION NO. 3 (EXISTING)
STA. 396 + 18 TO STA. 407 + 95
STA. 412 + 06.67 TO STA. 424 + 37



TYPICAL SECTION NO. 4 (PROPOSED)
STA. 396 + 18 TO STA. 407 + 95
STA. 412 + 06.67 TO STA. 424 + 37

HMA MIXTURE REQUIREMENT TABLE				
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BOTTOM	HMA TOP	CLASS D PATCH	CLASS D PATCH
	LIFT SHOULDER	LIFT SHOULDER	BOTTOM LIFT(S)	TOP LIFT
BINDER GRADE (PG):	SBS PG70-28	SBS PG70-28	SBS PG70-28	SBS PG70-28
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION:	IL 19.0	IL 9.5	IL 19.0	IL 9.5
(MIXTURE GRADATION)				
FRICION AGGREGATE:		MIXTURE D		MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES	CORES	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER

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PLOT DATE = 1/30/2021	DATE - 10/29/20-10/30/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION IL 251	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	10
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE											
LOCATION	PLUG EX PIPE	REMOVING INLET	CLASS D PATCHES, TYPE II, 9"	CLASS D PATCHES, TYPE III, 9"	CURB REM	CONCRETE CURB, TYPE M	TRENCH BACKFILL	STONE RIPRAP, CLASS A3	BIT COATED AGG SLOPE WALL 6"	FLOOR DRAINS TO BE CLEANED	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS
	CU YD	EACH	SQ YD	SQ YD	FOOT	FOOT	CU YD	SQ YD	SQ YD	EACH	EACH
NORTHWEST QUADRANT	3	1		22	15	30	22.2	105	395	2	1
SOUTHWEST QUADRANT	3	1	11		15	30	10.9	105	395	2	1
NORTHEAST QUADRANT	3	1	11		15	30	10.9	105	395	2	1
SOUTHEAST QUADRANT	3	1		22	15	30	22.2	105	395	2	1
TOTAL	12	4	22	44	60	120	66.2	420	1580	8	4

PAVEMENT MARKING SCHEDULE																		
LOCATION	LENGTH	POLYUREA PM TYPE 1 LINE 4"		POLYUREA PM TYPE 1 LINE 6"	POLYUREA PM TYPE 1 LINE 8"	POLYUREA PM TYPE 1 LINE 12"	PREFORMED PLASTIC PM TYPE B LINE 24"	PREFORMED PLASTIC PM TYPE B LTR & SYM	GROOVING FOR RECESSED PM 5"	GROOVING FOR RECESSED PM 9"	GROOVING FOR RECESSED PM 25"	GROOVING FOR RECESSED PM LTR & SYM	RAISED REF PM	RAISED REF PM	L LINEAR DELINEATOR PANELS, 4"	L LINEAR DELINEATOR PANELS, 6"	CURB REF	
		WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	PM 5"	PM 9"	PM 25"	LTR & SYM	PM	PM	4"	6"		
		FOOT	FT	FT	FT	FT	FT	FOOT	SQ FOOT	FOOT	FOOT	FOOT	SQ FOOT	EACH	EACH	EACH	EACH	EACH
IL 251																		
STA 392+00 TO STA 429+32	3732	7464	7464		1030				171	14928	1030		171	187	187	21	21	186
I-39 RAMP																		
SOUTHBOUND ENTRANCE																		
	50	50	50			60	25	47		31	100	60	47	31				
SOUTHBOUND EXIT																		
	50	50	50							100								
NORTHBOUND ENTRANCE																		
	50	50	50							100								
NORTHBOUND EXIT																		
	50	50	50		60	25	47		31	100								
I-39																		
NORTHBOUND																		
	2064	2064	2064	516									52	52				
SOUTHBOUND																		
	2064	2064	2064	516									52	52				
TOTAL		23584	23584	1032	1150	50	94		233	15328	1150	94	291	291	21	21	186	

SHORT TERM PAVEMENT MARKING SCHEDULE							TEMPORARY PAVEMENT MARKING				
LOCATION	LENGTH	PM REM	SHORT TERM	SHORT TERM PM	TEMP PM- LINE 4"		STATION				
		WATER BLASTING			PM	WHITE		YELLOW			
		SQ FT	FT	SQ FT	FOOT	FOOT					
IL 251											
STA 392+00 TO STA 429+32	3732	1480	672	224	7464	7464					
I will											
SOUTHBOUND ENTRANCE											
	50	4	9	3	50	50					
SOUTHBOUND EXIT											
	50	194	9	3	50	50					
NORTHBOUND ENTRANCE											
	50	4	9	3	50	50					
NORTHBOUND EXIT											
	50	194	9	3	50	50					
I-39											
NORTHBOUND											
	2064	430	371	124	2064	2064					
SOUTHBOUND											
	2064	430	371	124	2064	2064					
TOTAL		2736	1450	484	23584	23584					

ISLAND & MEDIAN SCHEDULE						
LOCATION	PVMT REMOVAL	ISLAND REM	CONCRETE ISLAND SPECIAL*	CURB REFLECTORS	MEDIAN REM	CONC MEDIAN, TYPE SM-6.06
						SQ FT
IL 251 & I-39	SQ YD	SQ FT	SQ FT	EACH	SQ FT	SQ FT
SOUTHBOUND EXIT RAMP	19	45	115	9	1457	1457
NORTHBOUND EXIT RAMP	19	56	126	9	1866	1866
TOTAL	38	101	241	18	3323	3323

* NOTE: THE INSTALLATION OF BLOCK-OUTS OF ONE (1) SQUARE FOOT FOR TRAFFIC SIGNS ON THE CONCRETE ISLAND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONCRETE ISLAND (SPECIAL). AT NEW CONCRETE ISLANDS ON IL 251/I-39 (S AND N EXIT RAMP) SHALL BE PLACED TWO (2) BLOCK-OUTS OF ONE (1) SQUARE FOOT EACH WITH A SPACING OF 30 TO 36 INCHES APART. THE SECOND BLOCK-OUTS SHALL BE RESERVED FOR FUTURE SIGNAGE.

TRAFFIC SIGNS SCHEDULE						
LOCATION	EXISTING SIGNS ASSEMBLY			REMOVE & RELOCATE SIGN PANEL AND POLE ASSEMBLY	REMOVE SIGN PANEL TYP 1	SIGN PANEL TYP 1*
	TYPE A SIGN	SIZE	POST			
	IN	IN	IN	EACH	SQ FT	SQ FT
IL 251 & I-39						
SOUTHBOUND EXIT RAMP						
	STOP SIGN	36 X 36	WOOD	1		
NORTHBOUND EXIT RAMP						
	STOP SIGN	36 X 36	WOOD	1		
TOTAL				2	0	0

* SEE SIGN DETAIL

STAGING SCHEDULE SN 050-0171					
LOCATION	TEMP CONCRETE BARRIER	RE-LOCATE TEMP CONC BARRIER	TEMP CONC BARRIER, TERMINAL SEC, (SPECIAL)	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3
				EACH	EACH
NORTHBOUND					
STAGE 1	564		2	1	
STAGE 2		564	2		1
SOUTHBOUND					
STAGE 1	564		2	1	
STAGE 2		564	2		1
TOTAL	1128	1128	8	2	2

PRE-STAGING SHOULDER SCHEDULE															
LOCATION SHOULDER	LENGTH	EXISTING HMA WIDTH	PROPOSED HMA WIDTH	AREA	HMA SURF REM	POLYMERIZED HMA SURF CSE, IL 9.5 MIX D, N70 (1.5")	POLYMERIZED HMA BIND CSE IL-19.0, N70 2.25"	BIT MATL (TACK COAT)	MIX FOR CRACKS, JTS & FLANGWAYS	POLYMERIZED HMA BINDER CSE (HM) N70	TEMP RAMP	HMA SHOULDERS, 8"	SHOULDER RUMBLE STRIPS 8"	SHOULDER REM (SPECIAL) SHOULDERS	AGG WEDGE SHOULDER, TYPE B
						IL 9.5 MIX D, N70 (1.5")	IL-19.0, N70 2.25"								TON
						TON									
STA 392+00.00 TO STA 396+18.00	418	20	20	8360	929	78	117	627	0.3	0.5	28				16
STA 396+18.00 TO STA 407+95.00	1177	16	20	18832	2092	176	264	1412	0.6	1	28	523	2354	523	45
STA 407+95.33 TO STA 412+06.67	411														
STA 412+06.67 TO STA 424+37.00	1230	16	20	19680	2187	184	276	1476	0.7	1.1	28	547	2460	547	47
STA 424+37.00 TO STA 429+31.50	495	20	20	9900	1100	92	139	743	0.3	0.6	28		990		19
TOTAL					6308	530	796	4258	1.9	3.2	112	1070	6640	1070	127

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DRAWN -	REVISED -		
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PLOT DATE = 2/10/2021	DATE -	REVISED -	

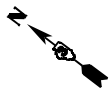
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES					
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	11
CONTRACT NO. 66L01				

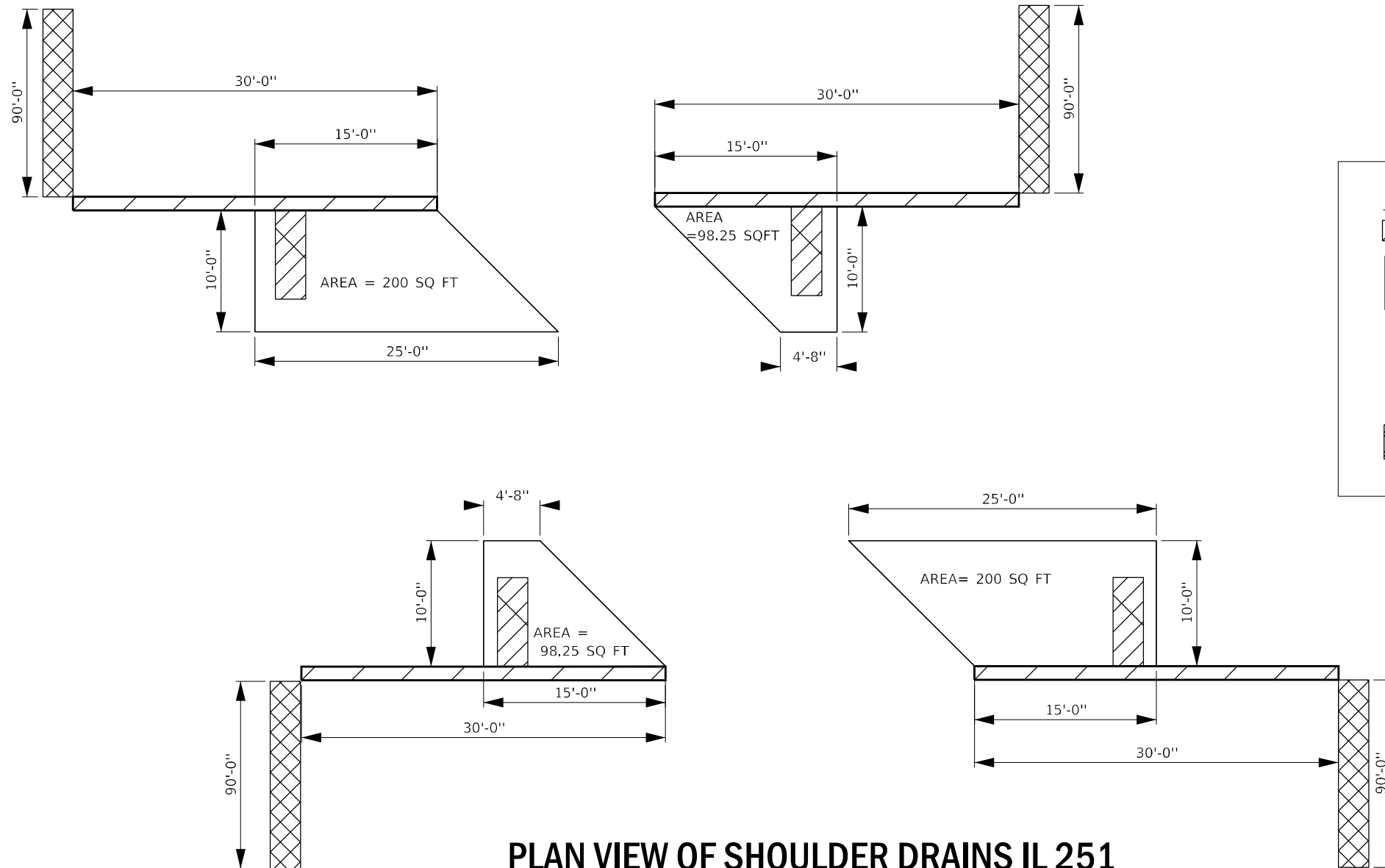
ILLINOIS FED. AID PROJECT

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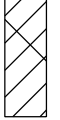



NOTES

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 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.



LEGEND

-  CONCRETE CURB, TYPE M
-  CLASS D PATCH & TRENCH BACKFILL
-  REMOVAL OF EXISTING INLET
-  RIPRAP

PLAN VIEW OF SHOULDER DRAINS IL 251

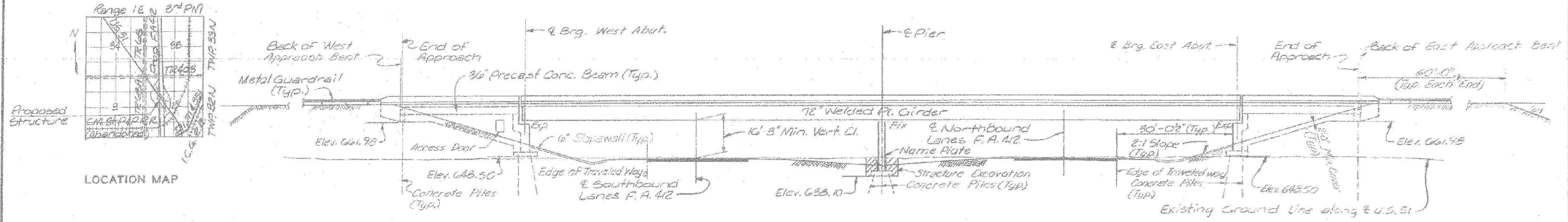
NOT TO SCALE
USE DIMENSIONS

FILE NAME =	USER NAME = camlnsa	DESIGNED - SC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHOULDER DRAIN DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dot\illinois.gov\PWIDOT\Documents\DOT\offices\District 3\Projects\I366L01\CADData\I366L01-shl-drains	DRAWN - SC	REVISOR -	REVISOR -					39	(50-4HB)I	LASALLE	47	14
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	PLOT DATE = 2/16/2021	DATE - 1/29/2021	REVISOR -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 412 50-4HB	LASALLE	46	55
FED. ROAD DIST. NO.		ILLINOIS PROJECT EBF-412-416	

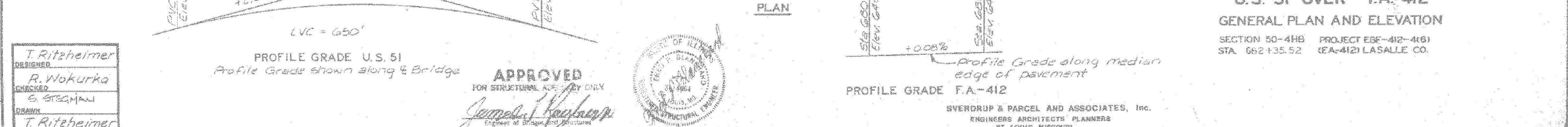
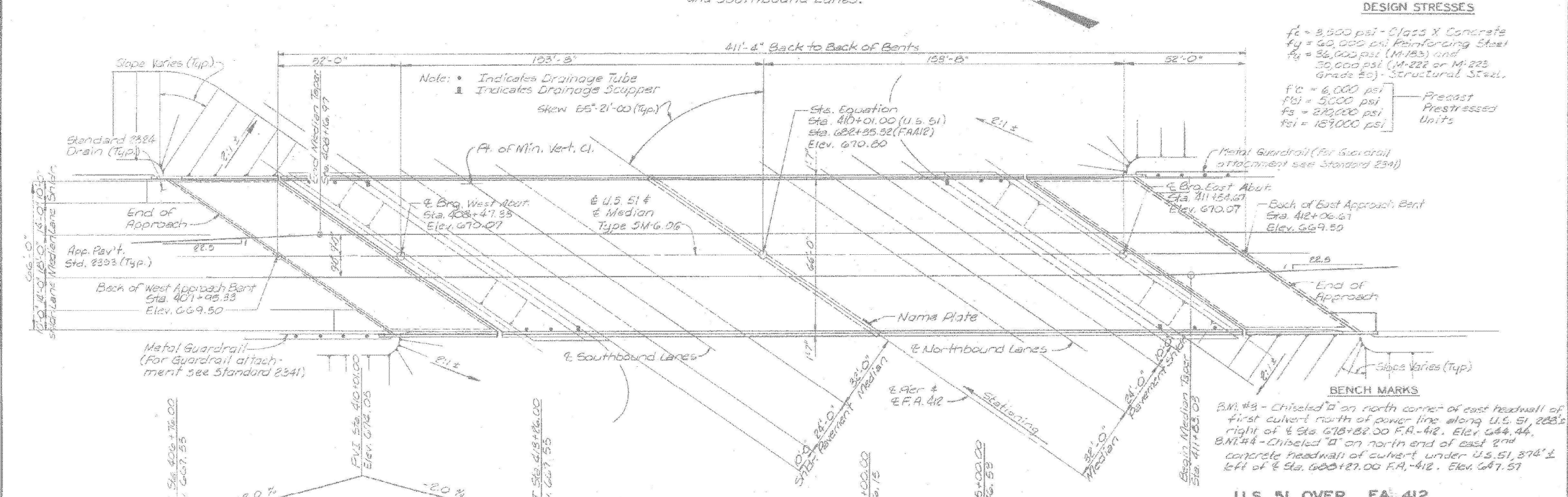


ELEVATION

Note: Slopes shown are normal to median edge of pavement on Northbound and Southbound Lanes.

DESIGN LOADING
Live Load HS20-44 AASHTO 1977 & Mo 1978 99 and 100 Interim Specifications.
Dead Load includes 25 lbs./sq. ft. of roadway for future wearing surface.

DESIGN STRESSES
 $f_c = 3,500$ psi - Class X Concrete
 $f_y = 60,000$ psi Reinforcing Steel
 $f_y = 36,000$ psi (M-183) and
 $30,000$ psi (M-222 or M-223 Grade 80) Structural Steel.
 $f_c = 6,000$ psi
 $f_{ci} = 5,000$ psi
 $f_s = 210,000$ psi
 $f_{si} = 187,000$ psi
 Precast Prestressed Units



DESIGNED
T. Ritzheimer
CHECKED
R. Wokurka
S. STECHMAN
DRAWN
T. Ritzheimer
CHECKED

APPROVED
FOR STRUCTURAL USE ONLY
James J. ...
Project M. ...



U.S. 51 OVER F.A. 412
GENERAL PLAN AND ELEVATION
SECTION 50-4HB PROJECT EBF-412-416
STA. 662+35.52 (F.A. 412) LASALLE CO.

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

SHEET NO. 1 OF 22

FILE NAME =	USER NAME = carlmsa	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">SHOULDER DRAIN INFORMATION</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -		CONTRACT NO. 66L01				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE/SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 412-50-4HB	LASALLE	47	56
FED. ROAD DIST. NO.	ILLINOIS PROJECT	E.B.F.-412-4(6)	

GENERAL NOTES

Design Specifications: In accordance with AASHTO 1977 Edition and 1978, 1979 and 1980 Interim Specifications.

See Proposal for Boring Data.

Calculated weight of Structural Steel: 422,300 Lbs. M183
75,130 Lbs. M222
178,110 Lbs. M223 (Grade 50)

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/2" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to the construction of the Abutment.

Fasteners shall be high strength bolts. Bolts 3/8", open holes 1/2" unless otherwise noted.

Anchor bolts shall be set before bolting cross frames over supports.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness, Zone 2. These components are the tension flanges, webs and all splice material of the steel girders.

The Contractor shall drive 3 Concrete Test Piles in a permanent location one each at West Abutment, Pier and East Abutment as directed by the Engineer before ordering the remainder of piles.

Reinforcing bars shall conform to the requirements of AASHTO M 31 or M 53, Grade 60.

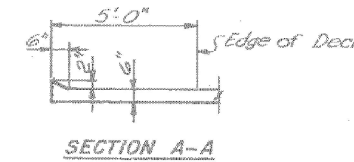
Field welding of construction accessories will not be permitted to the bottom flange of girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Cast Steel shall be Class 70. Structural Steel weldments of equal sections and meeting AASHTO M223 Grade 50 may be substituted for castings at the option of the Contractor, subject to approval by the Engineer prior to fabrication. No additional compensation will be allowed the Contractor for this substitution.

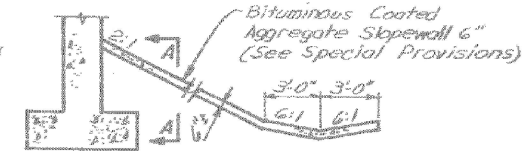
The Zinc-silicate and vinyl paint system shall be used for shop and field painting of Structural Steel except where otherwise noted.

TOTAL BILL OF MATERIAL				
ITEM	UNIT	SUPERSTR.	SUBSTR.	TOTAL
Structure Elevation	Cu. Yd.	—	206	206
Class X Concrete	Cu. Yd.	996.2	881.5	1877.7
Precast Prestressed Concrete I-Beams 36"	Lin. Ft.	648	—	648
Bituminous Coated Aggregate Slopewall 6"	Sq. Yd.	—	635	635
Structural Steel	Jump Sum	1	—	1
Stud Shear Connectors	Each	4272	—	4272
Reinforcement Bars	Lb.	7600	90,250	97,850
Reinforcement Bars Epoxy Coated	Lb.	243,210	—	243,210
Concrete Piles	Lin. Ft.	—	4902	4902
Test Piles (Concrete)	Each	—	3	3
Floor Drains	Each	8	—	8
Neoprene Expansion Jt. P.	Lin. Ft.	238	—	238
Drainage Scuppers	Each	4	—	4
Protective Coat	Sq. Yd.	3360	—	3360
Name Plates	Each	—	1	1

* See Special Provisions.



SECTION A-A



SECTION THRU SLOPEWALL

STATION 682+35.52
BUILT 198 BY
STATE OF ILLINOIS
F.A. RT 412 SEC 50-4HB
F.A. PROJ. NO. -412-4(10)
LOADING HS 20
STR. NO *

LETTERING FOR NAME PLATE
(See Std. 2113)
* Structure Number to be
supplied by District

T. Ritzheimer
DESIGNED
R. Wokurka
CHECKED
P. Presencer
DRAWN
C. Libana
CHECKED

682
515475

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

U.S. 51 OVER F.A. 412

GENERAL NOTES AND QUANTITIES
SECTION 50-4HB PROJECT EBF-412-4(6)
STA. 682+35.52 (F.A.-412) LASALLE CO.

PREPARED BY:
SVERDRUP & PARCEL AND ASSOCIATES, Inc.
ENGINEERS ARCHITECTS PLANNERS
ST. LOUIS, MISSOURI

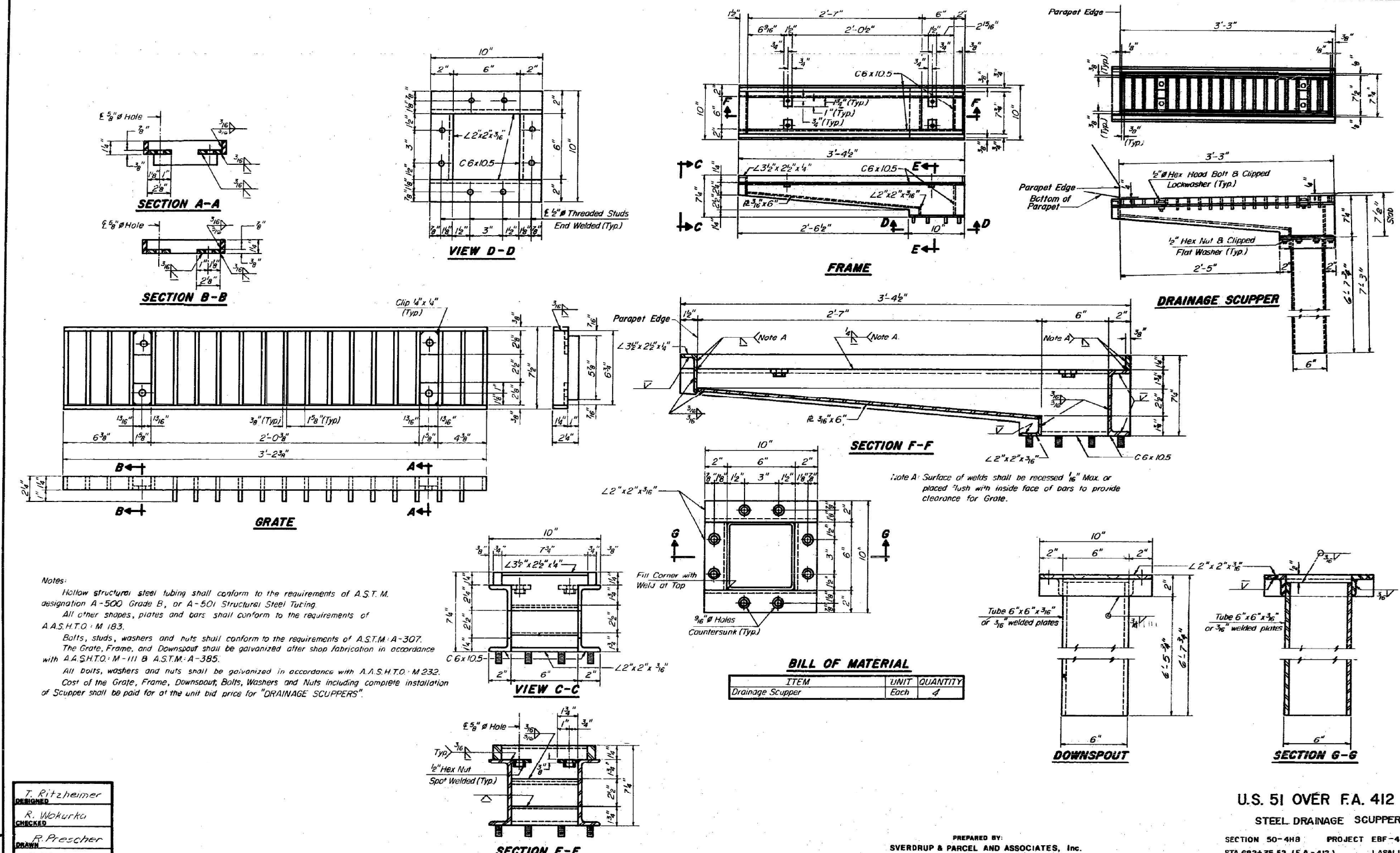
SHEET NO. 2 OF 22
Rev. 11-19-87

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	PLOT DATE = 2/16/2021	DATE -	REVISED -			CONTRACT NO. 66L01					
						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 412	50-4H8	LASALLE	166	64
FED. ROAD DIST. NO.	ILLINOIS PROJECT EBF-412-4(6)			



Notes:
Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B, or A-501 Structural Steel Tubing.
All other shapes, plates and bars shall conform to the requirements of A.A.S.H.T.O. M 183.
Bolts, studs, washers and nuts shall conform to the requirements of A.S.T.M. A-307.
The Grate, Frame, and Downspout shall be galvanized after shop fabrication in accordance with A.A.S.H.T.O. M-111 B A.S.T.M. A-385.
All bolts, washers and nuts shall be galvanized in accordance with A.A.S.H.T.O. M 232.
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".

DESIGNED
T. Ritzheimer

CHECKED
R. Wokurka

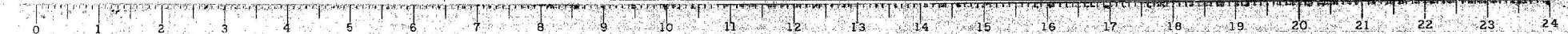
DRAWN
R. Prescher

CHECKED
C. Lizana

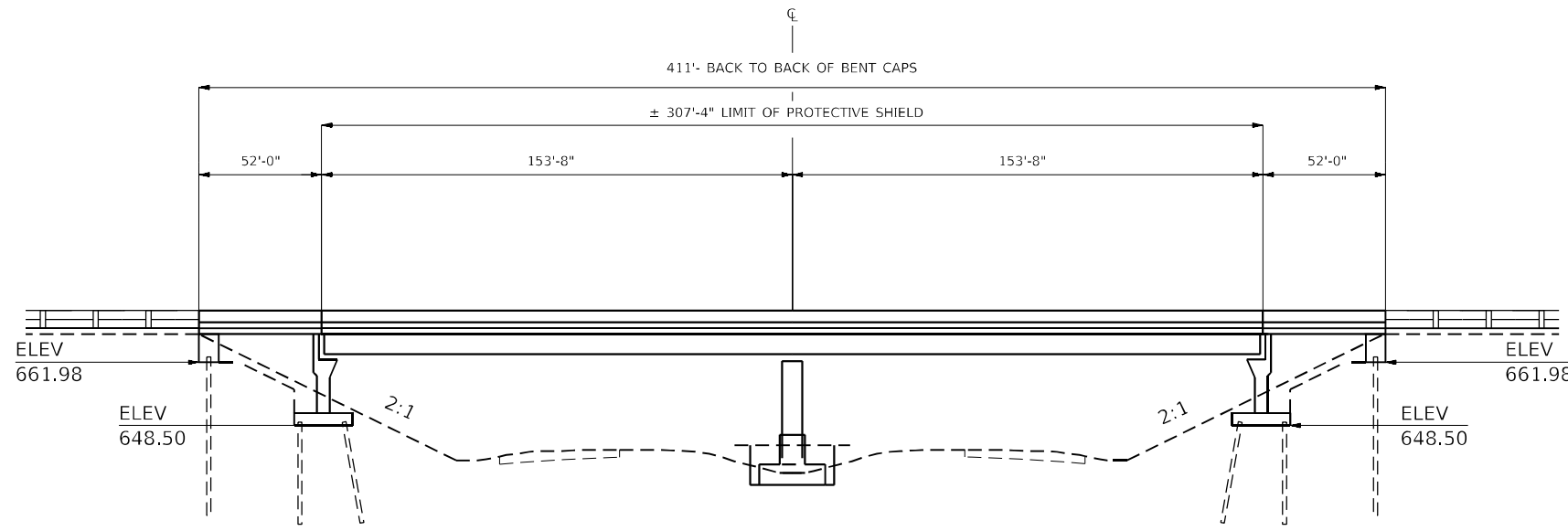
PREPARED BY:
SVERDRUP & PARCEL AND ASSOCIATES, Inc.
ENGINEERS ARCHITECTS PLANNERS
ST. LOUIS, MISSOURI

U.S. 51 OVER F.A. 412
STEEL DRAINAGE SCUPPER
SECTION 50-4H8 PROJECT EBF-412-4(6)
STA. 682+35.52 (F.A.-412) LASALLE CO.

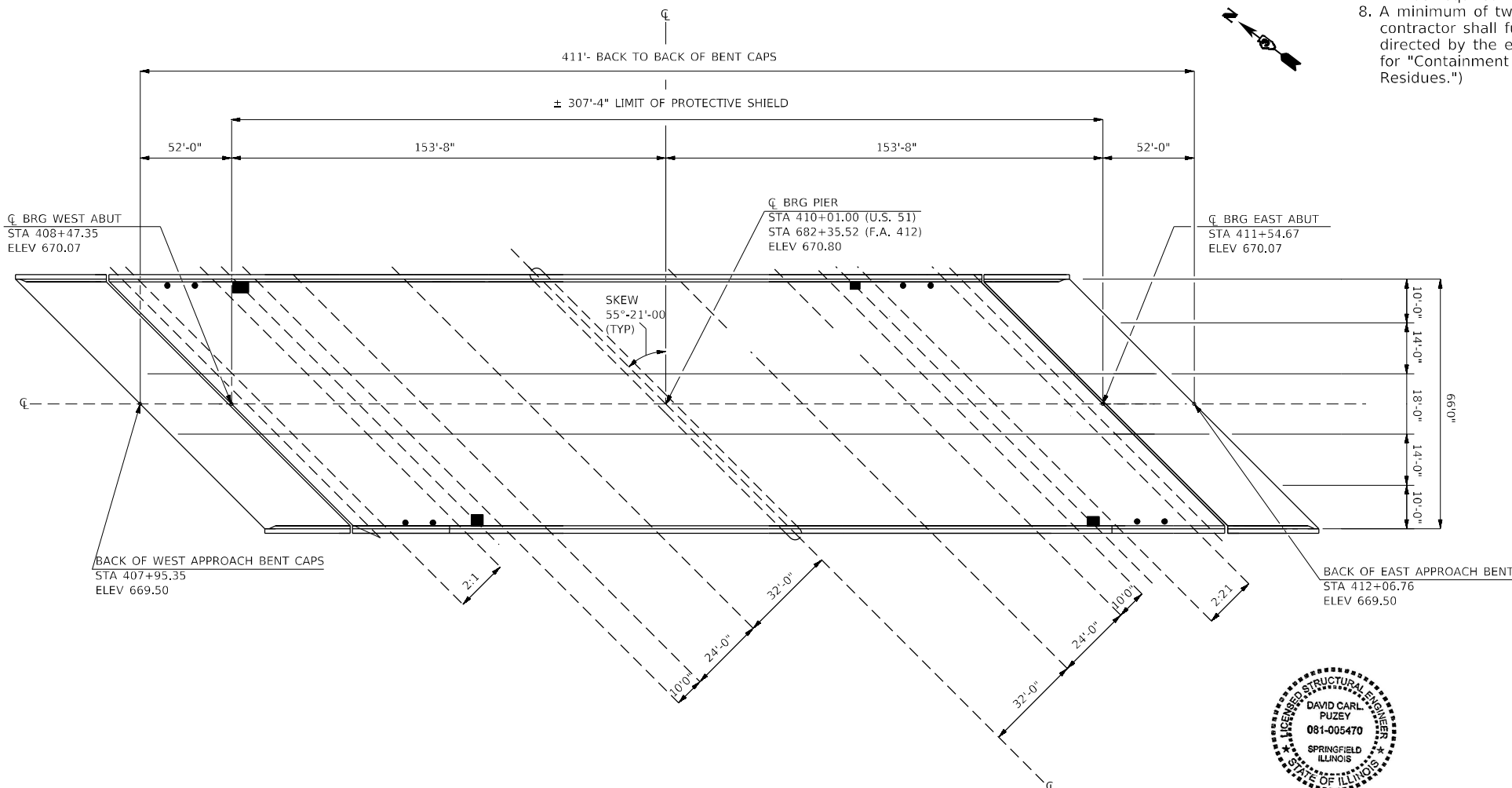
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Default		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT



ELEVATION



PLAN SN 050-0200

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 bit for the work.
- 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.
- Protective coat shall be applied to the new overlay and new concrete areas of the deck, median, and parapets adjacent to the joints only.
- Prior to pouring the new concrete deck: all heavy or loose rust, loose mill scale, and other loose potential detrimental foreign material shall be removed from the surface in contact with concrete. Tightly adhered paint shall remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included with the pay item covering removal of the existing concrete.
- Structure No. 050-0200 is referred to as Bridge No. 1.
- The SSPC-QP1 and SSPC-QP-2 "Painter Certifications" will be required for this project.
- A minimum of two air monitors shall be required. The contractor shall furnish and install the monitors as directed by the engineer. (See the Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues.")
- Cleaning and painting of existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures," and as specified below:
 - All existing structural steel, (including beams, diaphragms, drains, cross/lateral framing (when present), exposed surfaces of bearing assemblies and steel handrails shall be cleaned per the requirements of "near white blast cleaning SPPC-SP-10"
 - All existing structural steel, (including beams, diaphragms, drains, cross/lateral framing (when present), exposed surfaces of bearing assemblies and steel handrails shall be painted per the requirement of "paint system 1-oz/E/U."
 - The final finish coat for all interior structural steel shall be "gray, munsell No. 5B 7/1."
 - Finish coat for exterior face, bottom flange and bearing assemblies of the fascia beams shall be "green, munsell No. 7.5G 1/2."
- The contractor shall be required to secure waste containers that remain on the job site. This will entail that all waste containers can not be moved or opened during non-working hours.
- Working days shall be charged until the contractor/subcontractor licensed to dispose of lead paint residues has removed the waste material from the job site according to all federal, state, and local laws and ordinances. If the licensed contractor or subcontractor fails to dispose of the lead paint residues on or before the specified completion date liquidated damages shall be charged per calendar day according to article 108.09 of the standard specifications until such time that all paint residue materials have been properly removed and disposed of.

- Note:
- Indicates Drainage Scupper
 - Indicates Drainage Tube

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
PROTECTIVE SHIELD	SQ YD	2198
BRIDGE DECK GROOVING	SQ YD	1874
BRIDGE DECK LATEX CONCRETE OVERLAY 2 1/4"	SQ YD	2198
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2198
PROTECTIVE COAT	SQ YD	3344
CONCRETE REMOVAL	CU YD	25.3
CONCRETE SUPERSTRUCTURE	CU YD	25.3
REINFORCEMENT BARS, EPOXY COATED	POUND	3460
BAR SPLICERS	EACH	40
EPOXY CRACK INJECTION	FT	43
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	63
CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	12
PREFORMED JOINT STRIP SEAL	FOOT	242
CONCRETE CURB REPAIR	FOOT	21
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	50
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10
DRAINAGE SCUPPER TO BE ADJUSTED	EACH	4



Expires 11-30-2022
David Carl Puze
03/19/2021

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 OFFICE: Springfield
 DATE: 3/18/2021

USER NAME = carmlisa	DESIGNED - Stephenie Carmin	REVISED -
DRAWN - Anthony Grunstad	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - Jacob Oyler	REVISIONS -
PLOT DATE = 3/18/2021	DATE - 1/29/2021	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

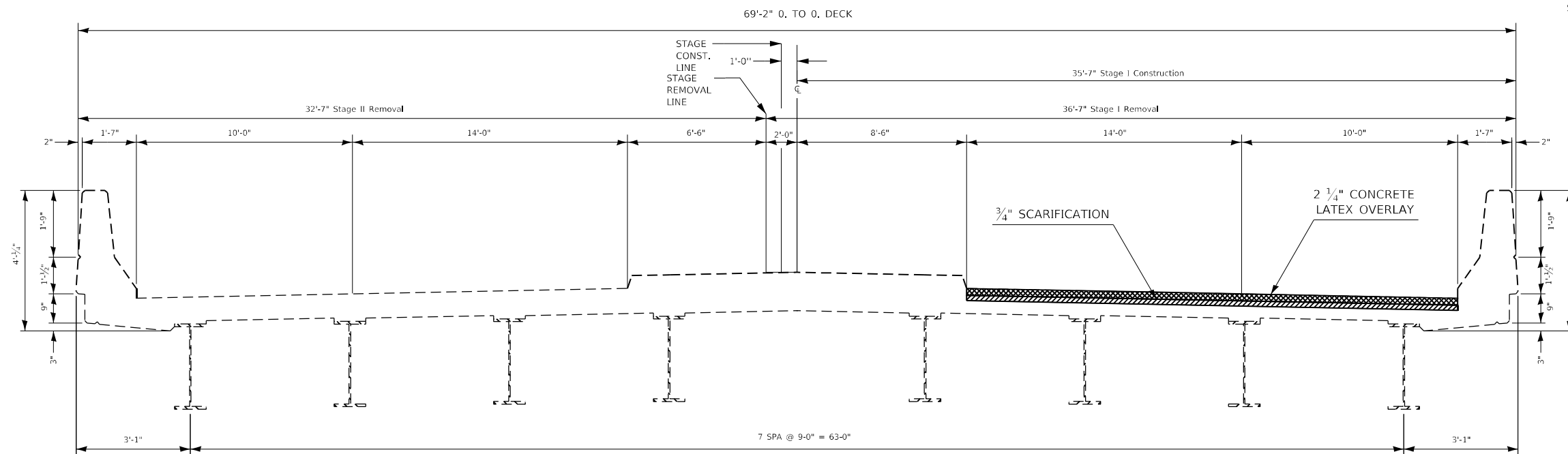
GENERAL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

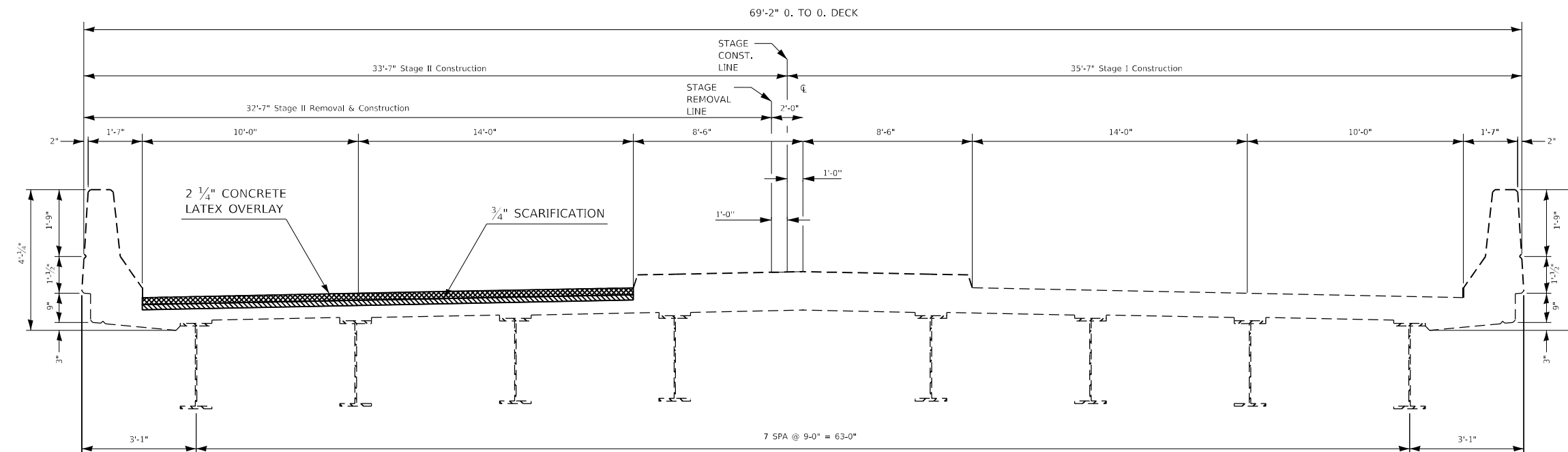
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	18
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

NOTE:
DIMENSIONS SHOWN ARE NORMAL
TO THE C OF U.S. 51

SPANS 1&4 HAVE THE SAME DIMENSIONS



S.N. 050-0200
CROSS SECTION STAGE 1
SPANS 2 & 3
Looking West



S.N. 050-0200
CROSS SECTION STAGE 2
SPANS 2 & 3
Looking West

NOTE: SPANS 2&3 ARE SHOWN
SPANS 1&4 HAVE THE SAME SURFACE DIMENSIONS FOR SCARIFICATION AND LATEX OVERLAY

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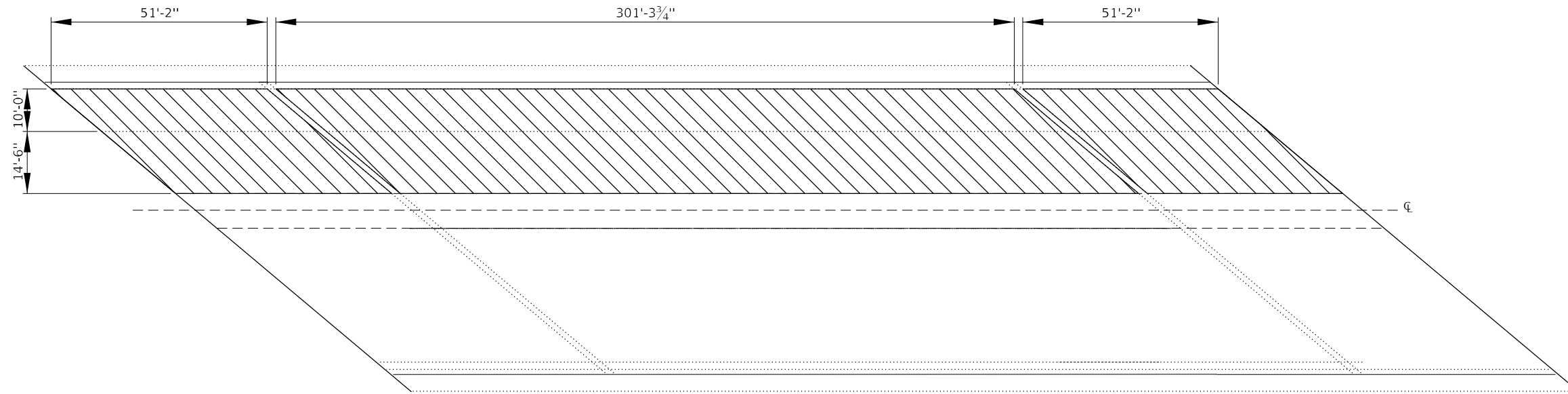
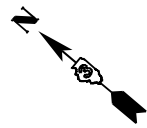
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PLOT DATE = 3/18/2021		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

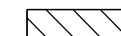
STAGE I & II CONSTRUCTION PLAN

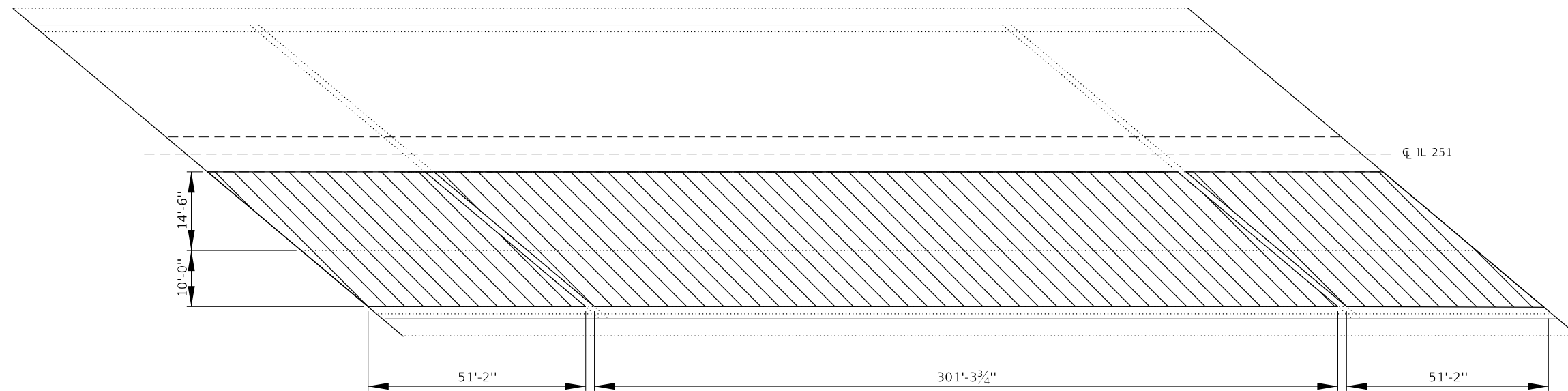
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	19
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



DECK SCARIFICATION STAGE 1

 STAGE I & II
DECK SCARIFICATION 3/4"



DECK SCARIFICATION STAGE 2

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2198

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	DATE -	REVISED -

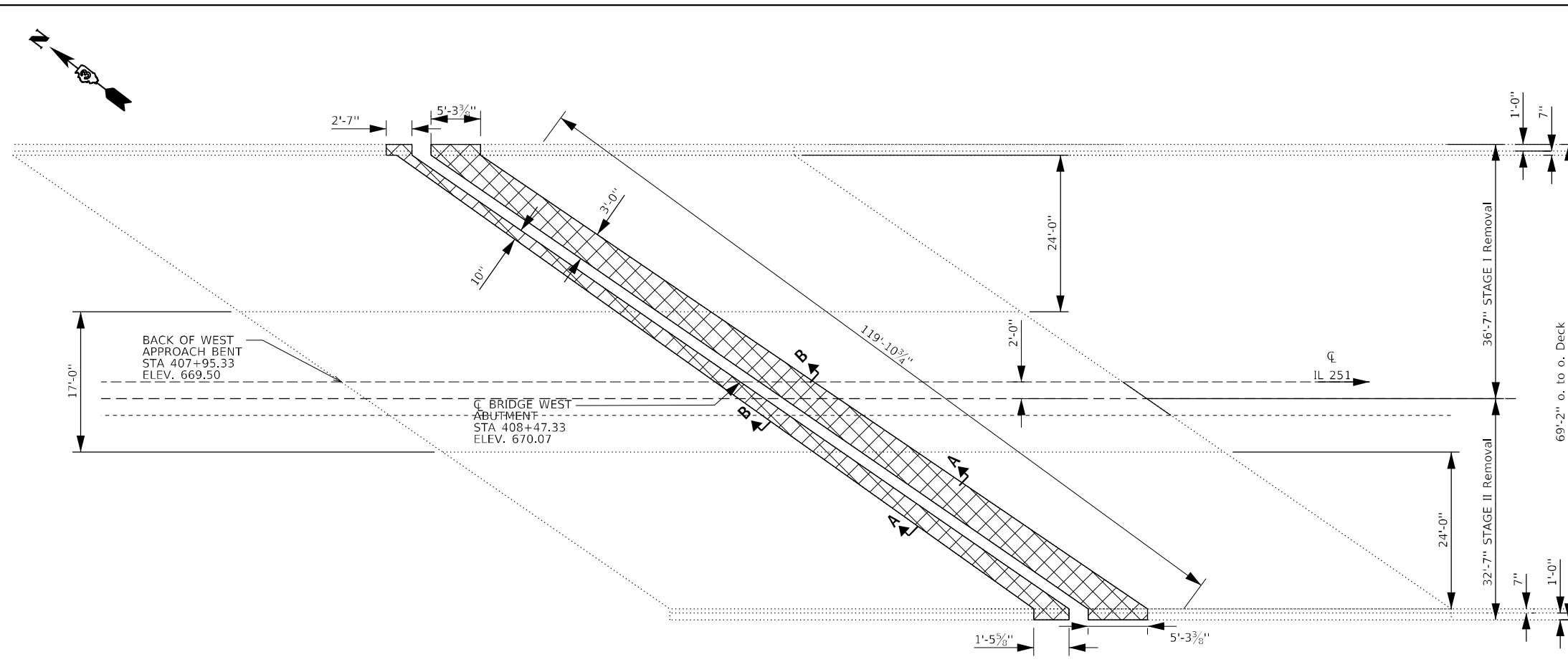
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRIDGE SURFACE REMOVAL

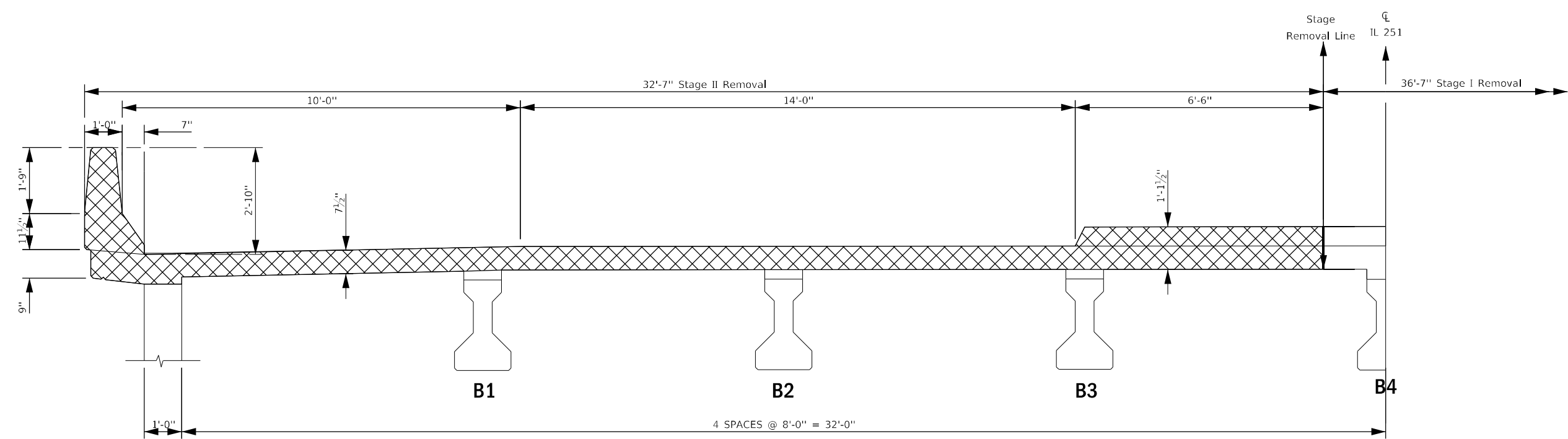
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	20
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

- NOTES:
1. CROSS HATCHED AREA REPRESENTS CONCRETE REMOVAL
 2. REMOVAL AREA INCLUDES EXISTING 1.5" HMA OVERLAY.
 3. REMOVAL DEPTH AT THE APPROACH SHALL NOT EXCEED 6" OF ORIGINAL SUPERSTRUCTURE CONCRETE.
 3. EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. UNLESS NOTED OTHERWISE, 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.
 4. EXISTING REINFORCEMENT WITHIN CONCRETE REMOVAL AREAS SHALL BE REMOVED.



PLAN VIEW



SPANS 1 & 4 HALF CROSS SECTION AT EXPANSION JOINT

LOOKING WEST

SPAN 1 SHOWN - SPAN 4 SIMILAR
NOTE: DIMENSIONS SHOWN ARE NORMAL TO THE CL OF U.S. 51

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU YD	6.2

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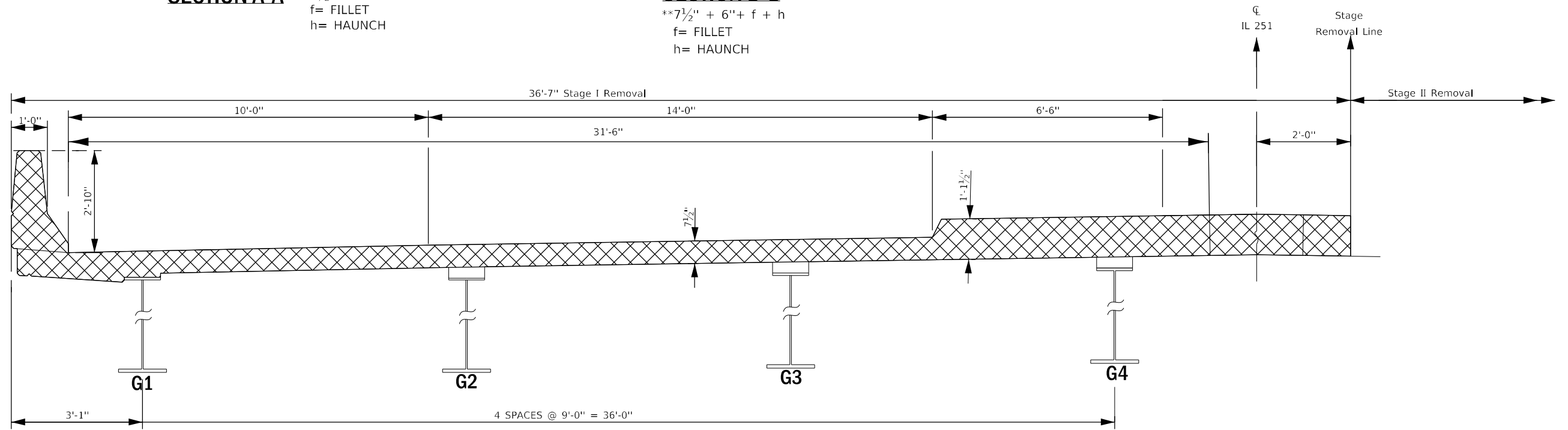
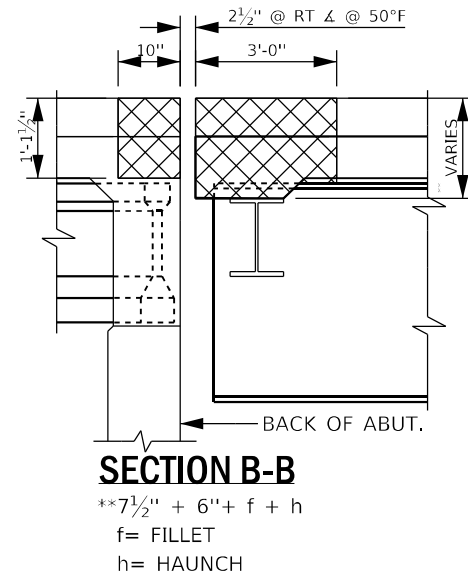
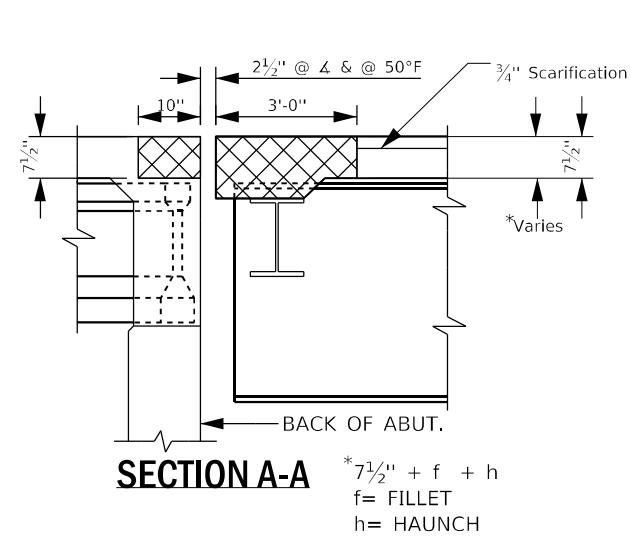
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	DATE - 12/15/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONCRETE REMOVAL DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 39	SECTION (50-4HB)I	COUNTY LASALLE	TOTAL SHEETS 47	SHEET NO. 21
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



SPANS 2&3 HALF CROSS SECTION AT EXPANSION JOINT
LOOKING EAST
 SPAN 2 SHOWN - SPAN 3 SIMILAR
 NOTE: DIMENSIONS SHOWN ARE NORMAL TO THE CL U.S. 51

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU YD	25.3

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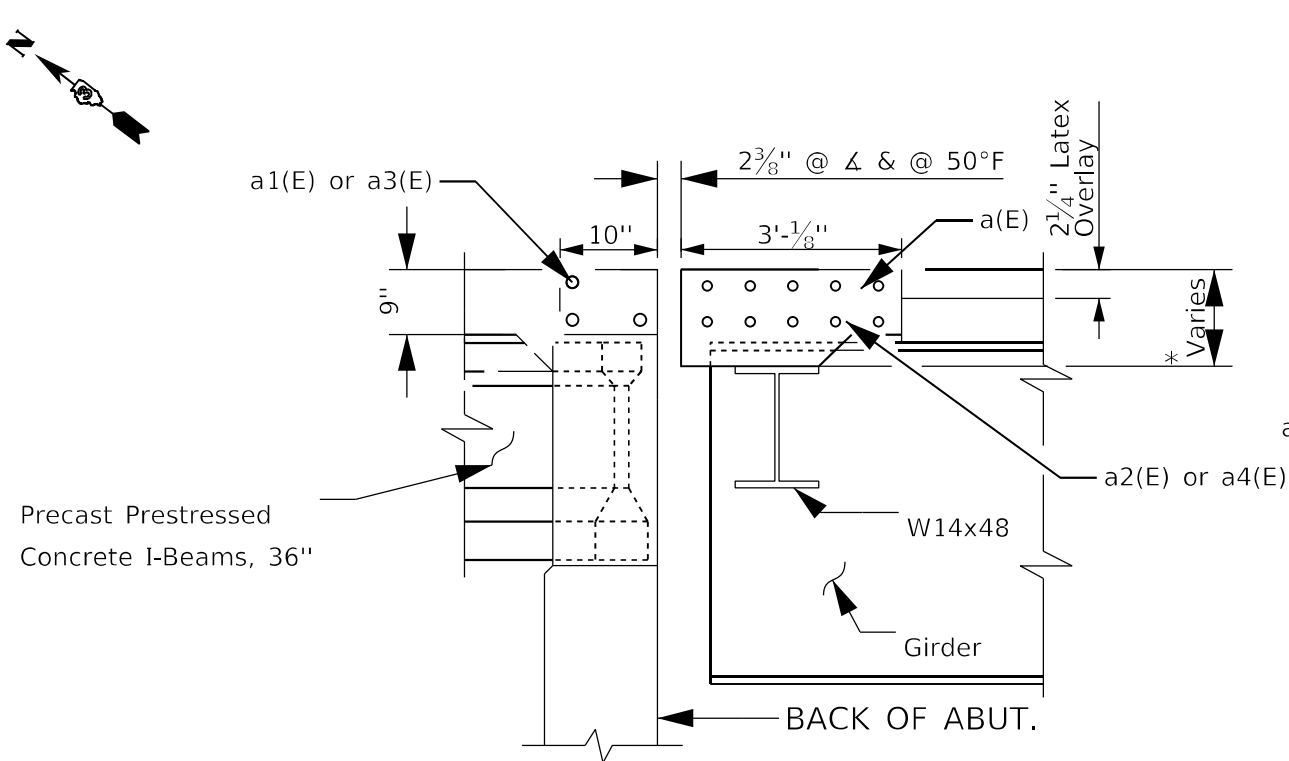
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAIL

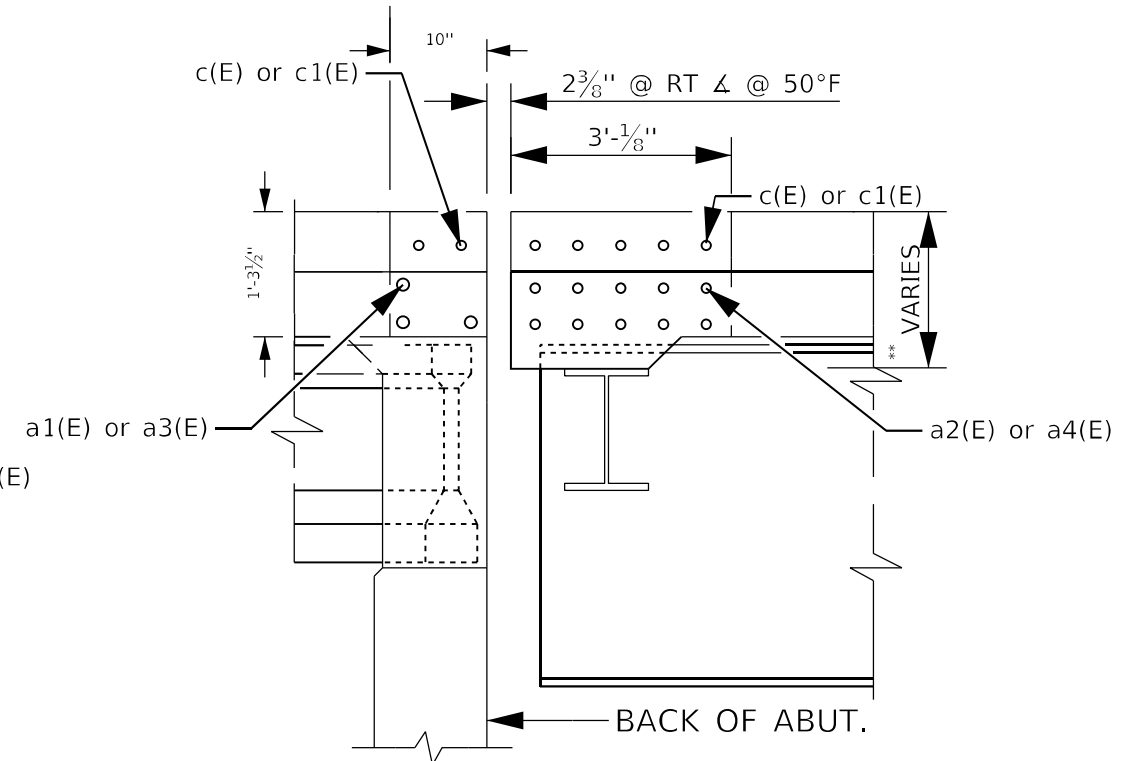
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F.A.I. RTE. 39	SECTION (50-4HB)I	COUNTY LASALLE	TOTAL SHEETS 47	SHEET NO. 22
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



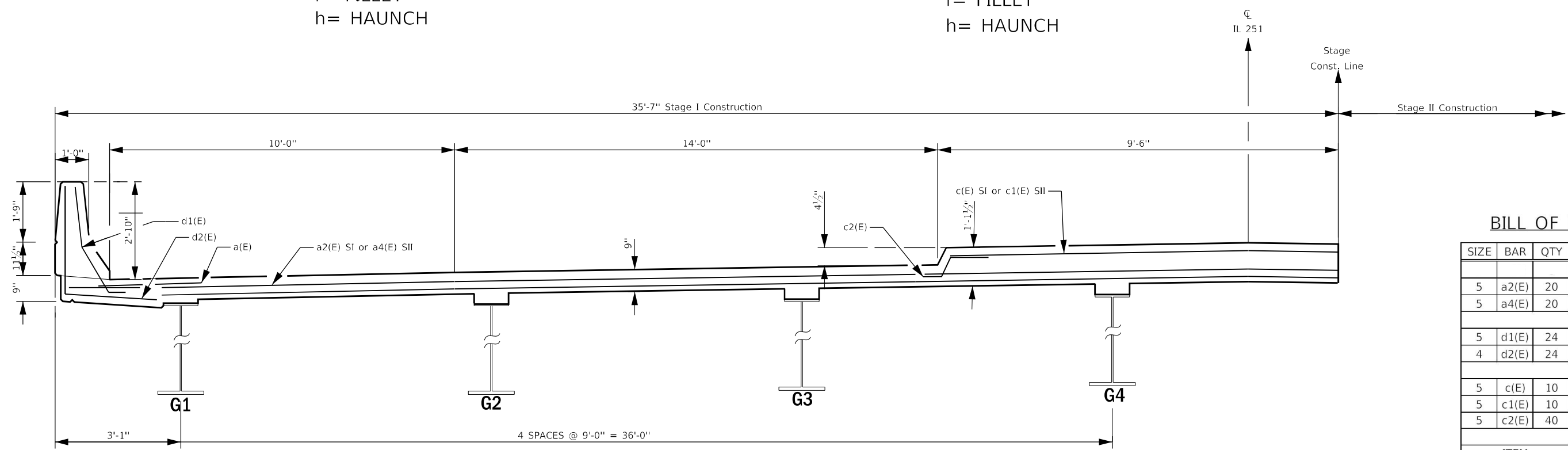
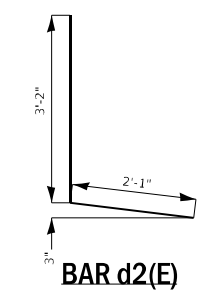
SECTION A-A

View at \bar{C}
 $*9'' + f + h$
 f = FILLET
 h = HAUNCH



SECTION B-B

View at \bar{C}
 $**9'' + 6'' + f + h$
 f = FILLET
 h = HAUNCH



SPANS 2&3 HALF CROSS SECTION AT EXPANSION JOINT

LOOKING EAST

SPAN 2 SHOWN - SPAN 3 SIMILAR
 NOTE: DIMENSIONS SHOWN ARE NORMAL TO THE \bar{C} U.S. 51

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS

BILL OF MATERIALS

SIZE	BAR	QTY	LENGTH	SHAPE
5	a2(E)	20	32'-6"	—
5	a4(E)	20	30'-10"	—
5	d1(E)	24	3'-11"	L
4	d2(E)	24	5'-3"	L
5	c(E)	10	16'-0"	—
5	c1(E)	10	12'-6"	—
5	c2(E)	40	3'-6"	┘
ITEM	UNIT	QUANTITY		
REINFORCEMENT BARS, EPOXY COATED	POUND	1990		
CONCRETE SUPERSTRUCTURE	CUBIC YARD	25.3		

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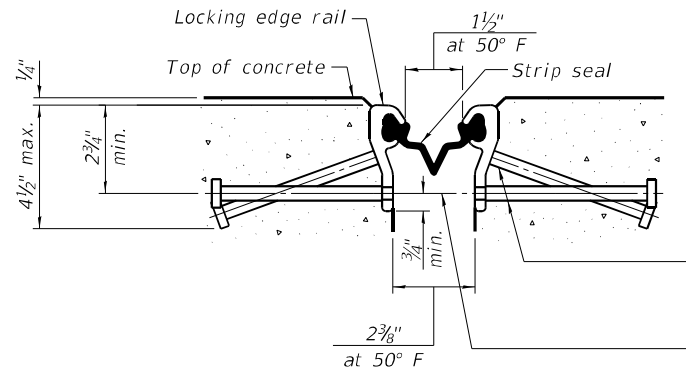
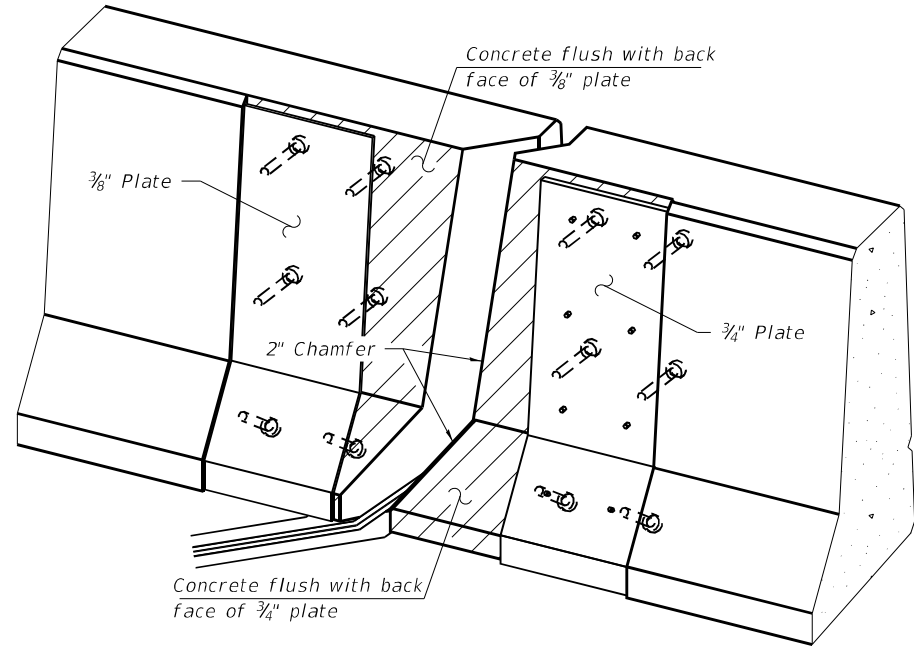
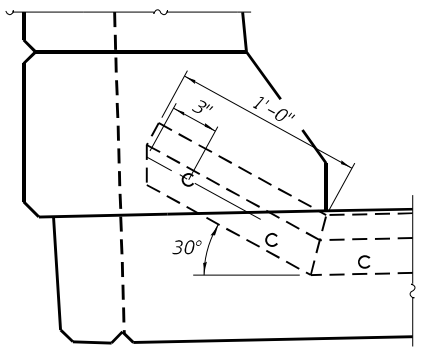
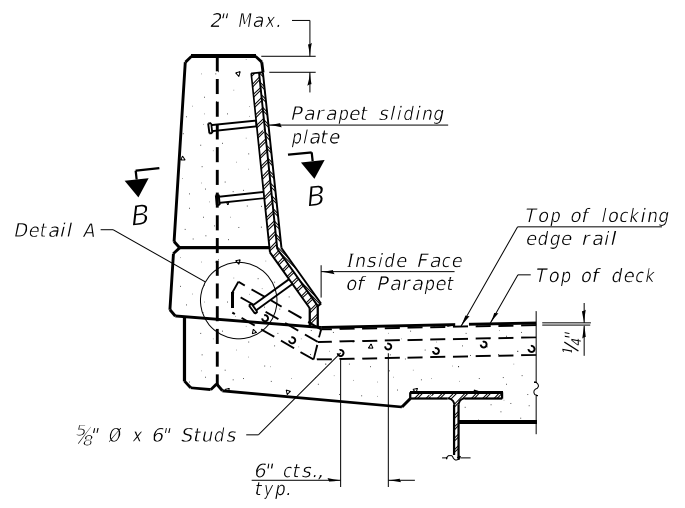
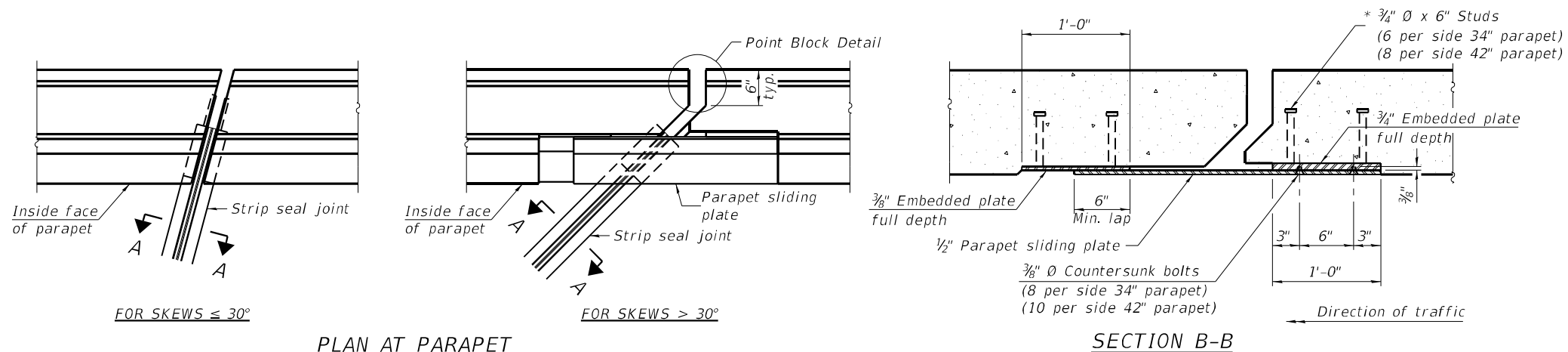
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE CONSTRUCTION DETAIL
SPANS 2 & 3

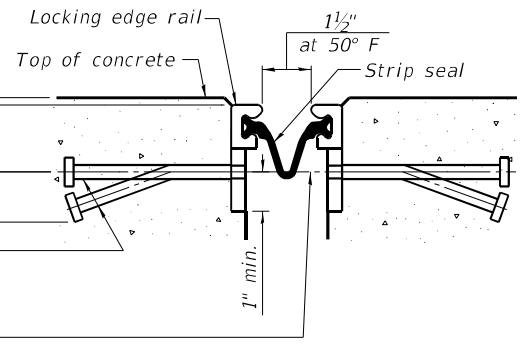
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	24
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

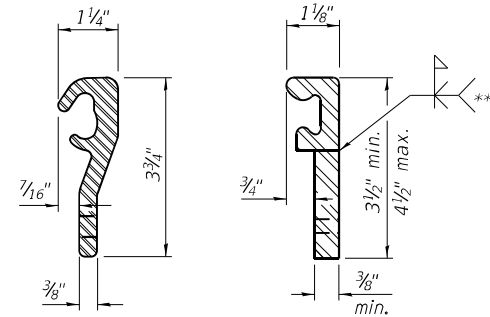


* $\frac{5}{8}$ " \emptyset x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

$\frac{3}{8}$ " ϕ threaded rods in $\frac{7}{16}$ " ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

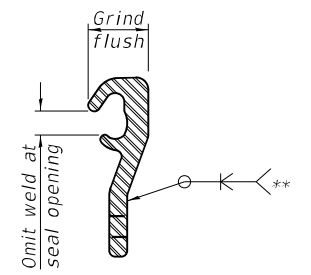


SHOWING WELDED RAIL JOINT



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	243

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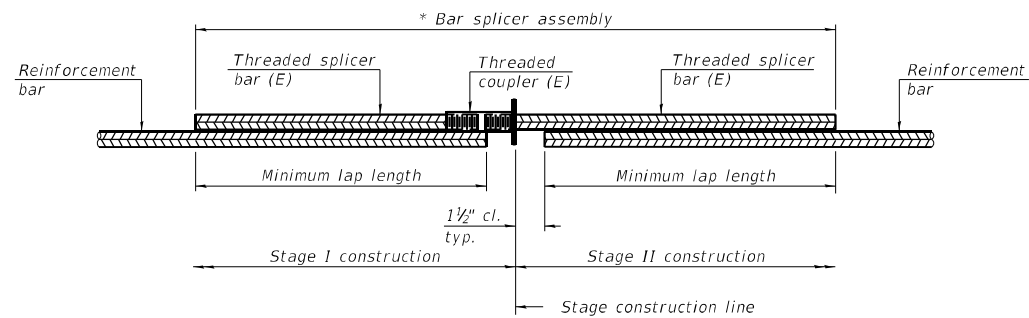
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PLOT DATE = 2/16/2021	CHECKED - JO	REVISED -
	DATE - 1/20/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL DETAIL
STRUCTURE NO. 050-0200**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	25
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

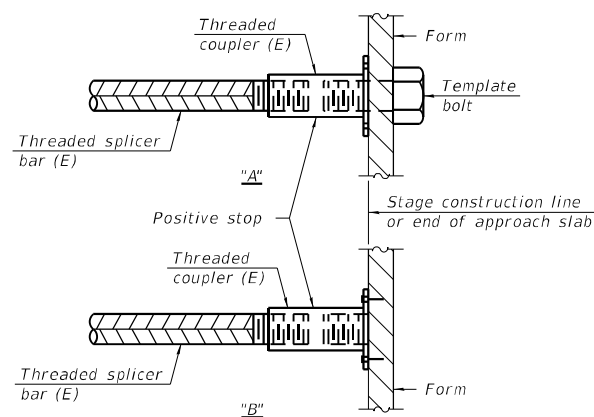


STANDARD BAR SPLICER ASSEMBLY PLAN
(All components shall be provided from one supplier)

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
SPANS 1&4 MEDIAN	5	4	3'-6"
SPANS 1&4 SLAB	6	6	3'-7"
SPANS 2&3 MEDIAN	5	10	3'-6"
SPANS 2&3 SLAB	5	20	3'-6"

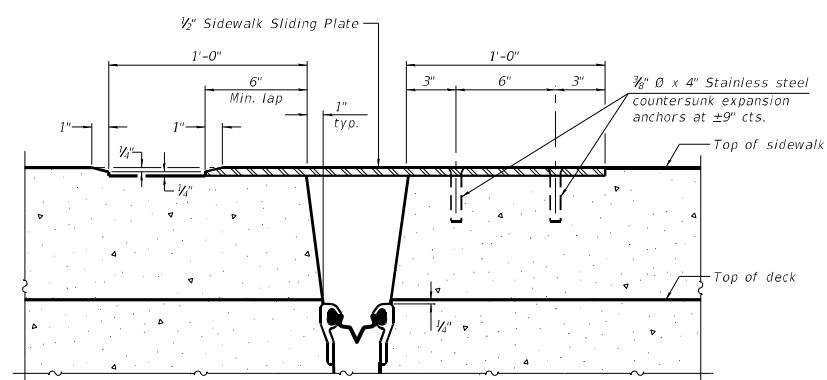


INSTALLATION AND SETTING METHODS

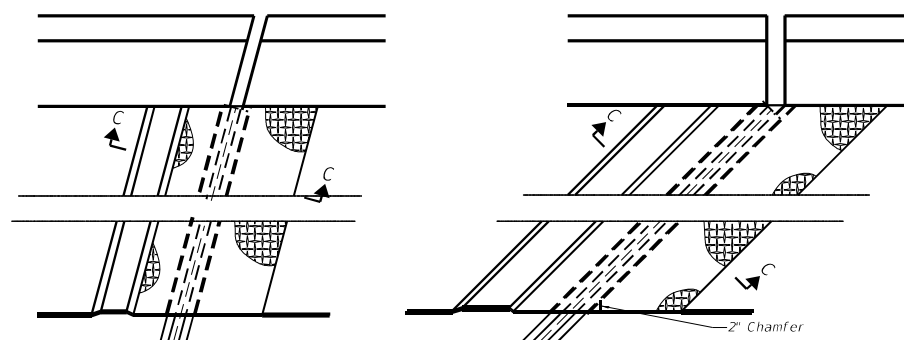
"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



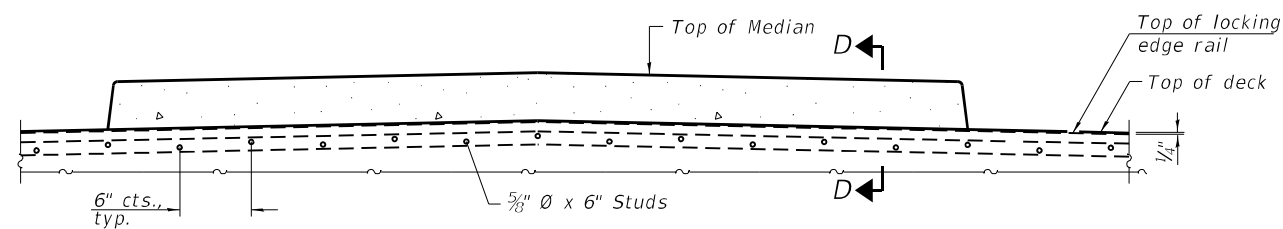
SECTION C-C



(FOR SKEWS ≤ 30°)

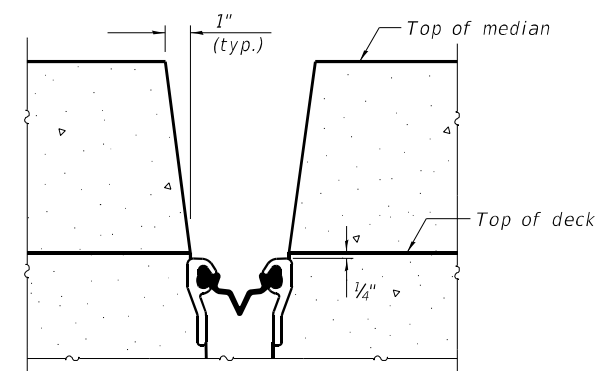
(FOR SKEWS > 30°)

PLAN AT RAISED SIDEWALK



ELEVATION AT MEDIAN

For skews > 30°, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

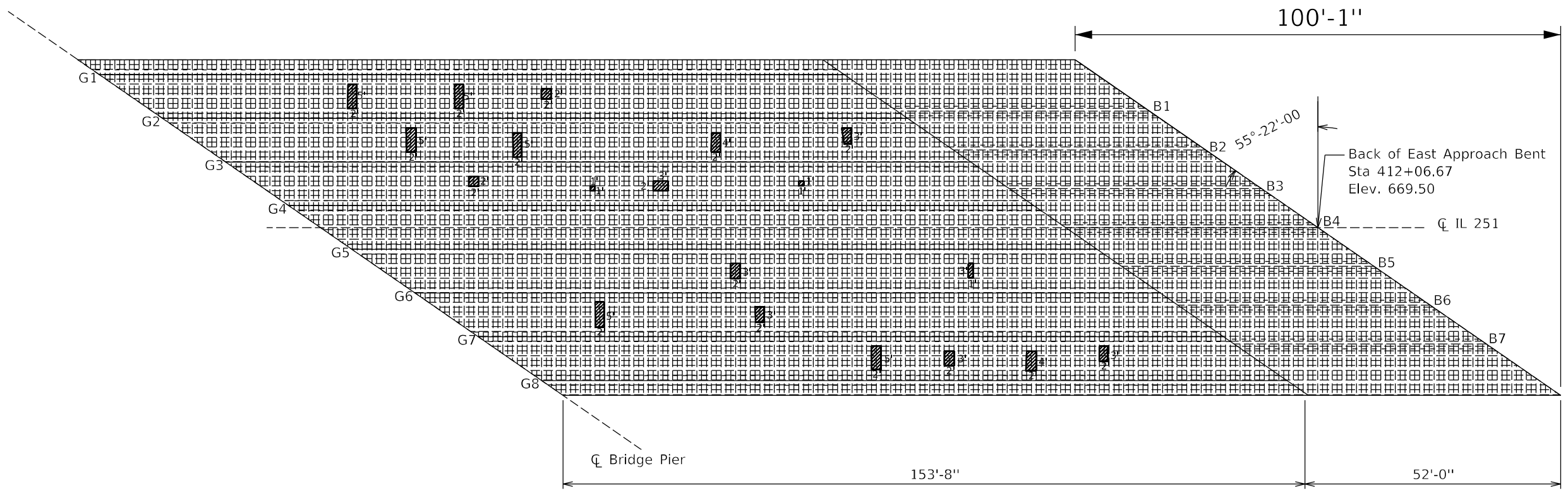
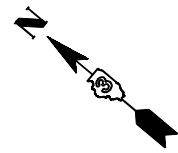
**PREFORMED JOINT STRIP SEAL DETAIL - MEDIAN
& BAR SPLICER ASSEMBLY PLAN STRUCTURE NO. 050-0200**

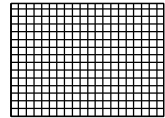
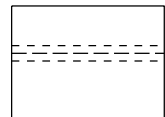

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SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	26
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

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PROJECT: 03666.01\CONCRETE removal & construction.dgn



 1 SQ FT GRID
 BEAM OR GIRDER PLAN VIEW
 DECK SLAB REPAIR (FULL DEPTH)

**PLAN 050-0200
EAST**

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSION.

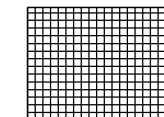
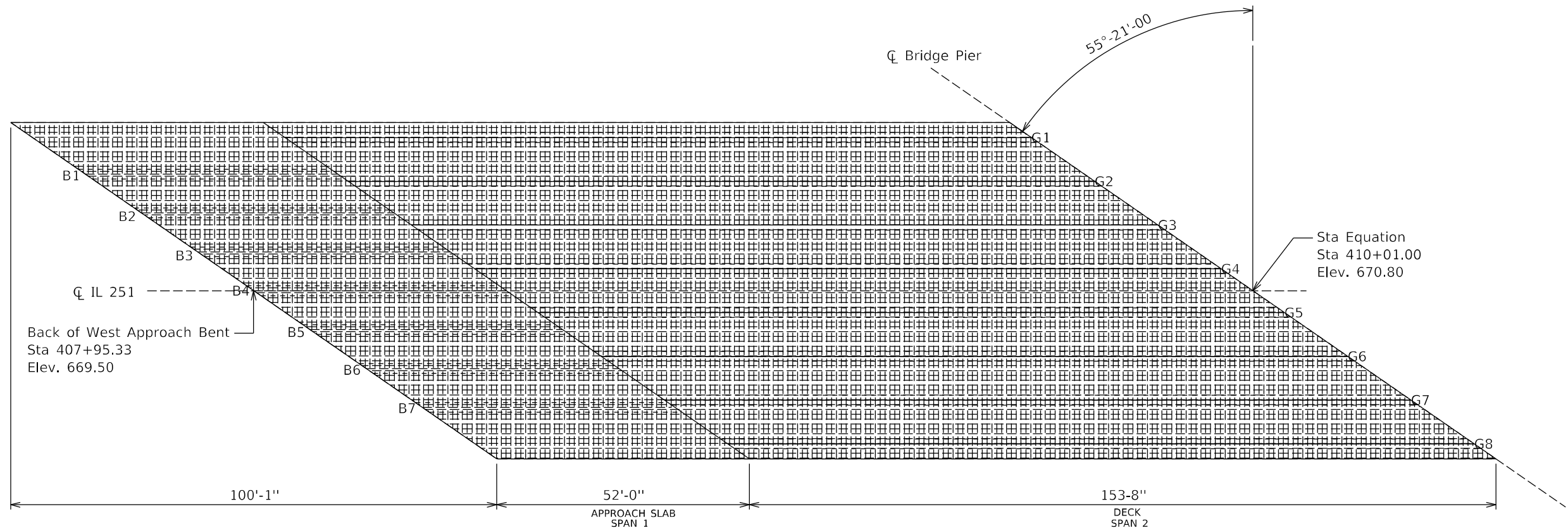
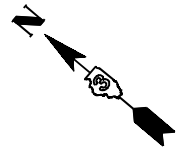
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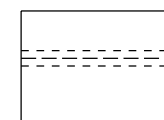
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DECK SLAB REPAIR PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	28
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



1 SQ FT GRID



BEAM OR GIRDER
PLAN VIEW

**PLAN 050-0200
WEST END**

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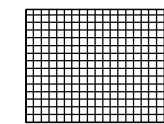
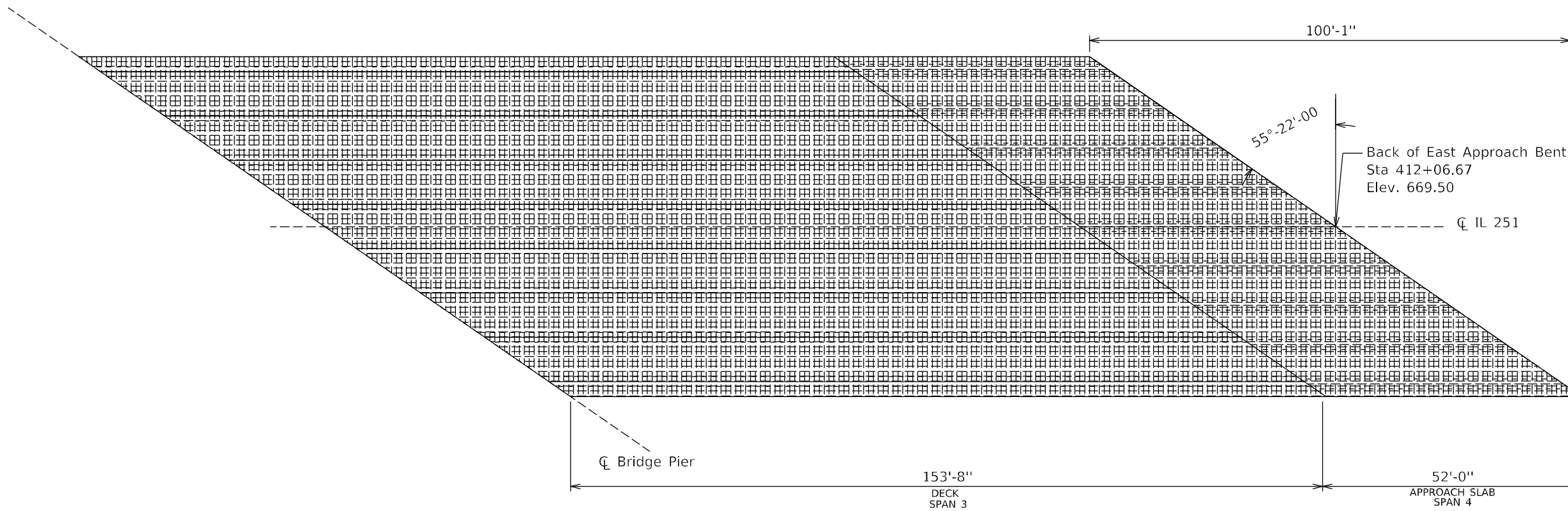
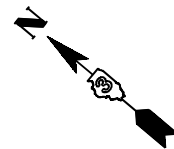
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DRAWN - SC	REVISOR -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

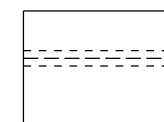
**DECK SLAB REPAIR PLAN
AS BUILT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	29
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



1 SQ FT GRID



BEAM OR GIRDER
PLAN VIEW

PLAN 050-0200
EAST

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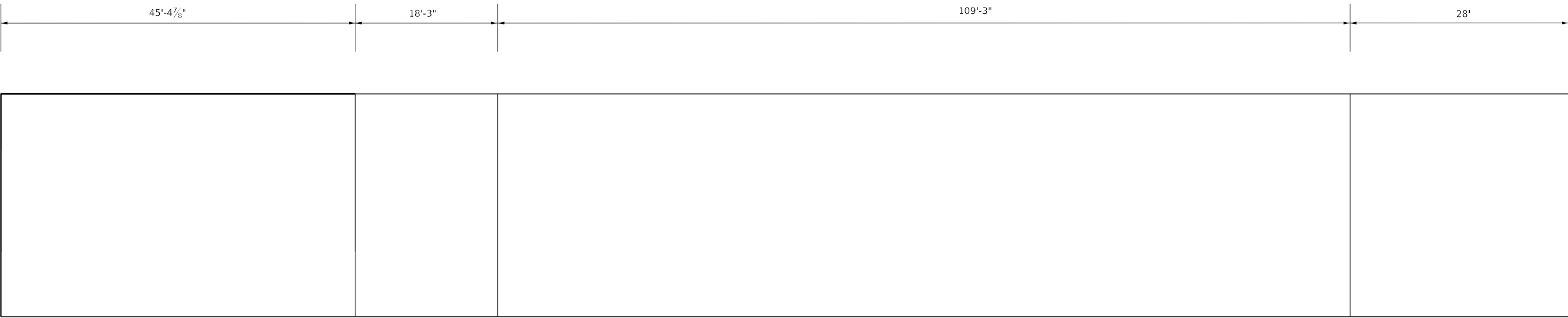
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DECK SLAB REPAIR PLAN
AS BUILT

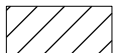
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	30
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



LEGEND

 CONCRETE REMOVAL & CONCRETE SUPERSTRUCTURE
  GUARDRAIL

 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	10

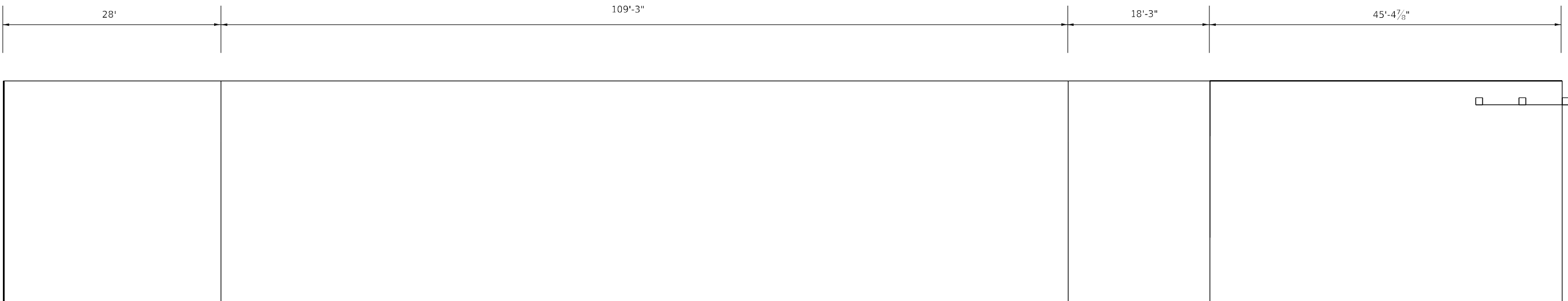
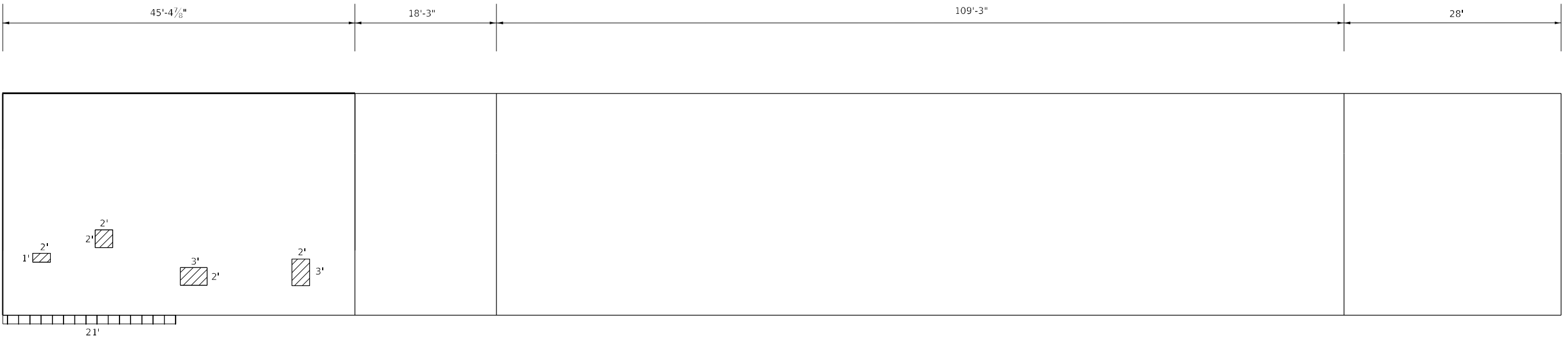
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PLOT SCALE = 100,0000 ' / in.	DATE - 1/20/2021	REVISD -
PLOT DATE = 2/16/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NORTH PARAPET REPAIR				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	31
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



LEGEND	
	CONCRETE REMOVAL & CONCRETE SUPERSTRUCTURE
	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")
	CONCRETE CURB REPAIR
	GUARDRAIL

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	18
CONCRETE CURB REPAIR	FOOT	21

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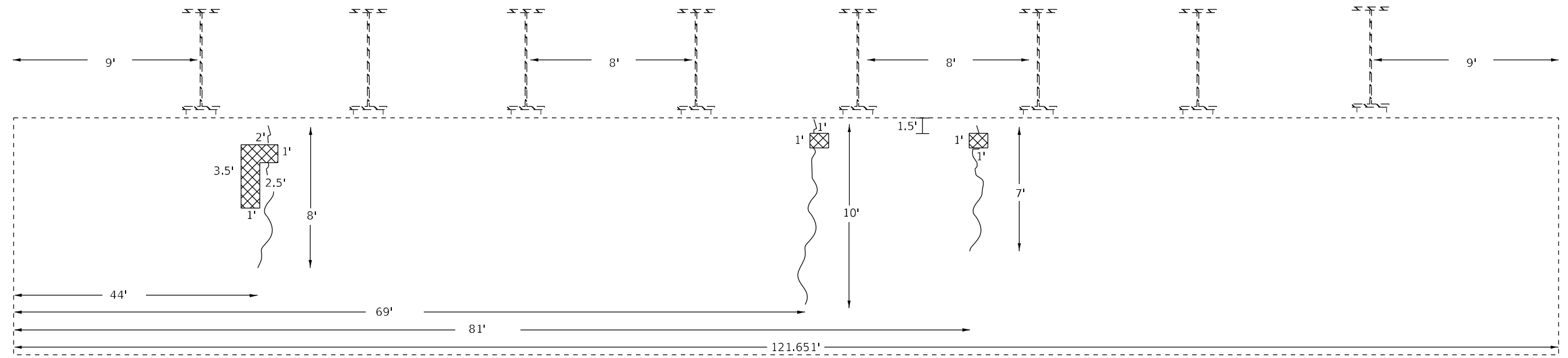
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PLOT DATE = 2/16/2021	DATE - 1/20/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

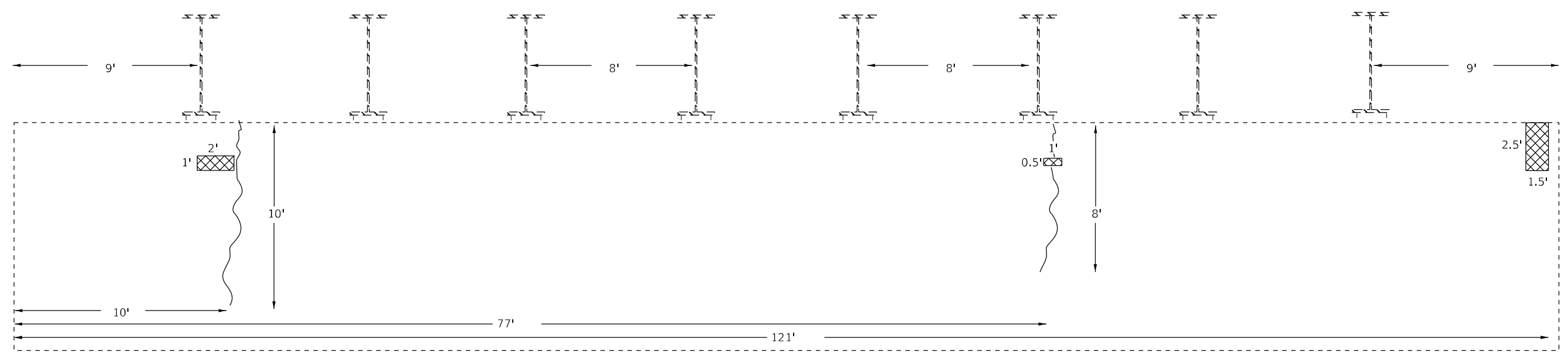
SOUTH PARAPET REPAIR	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	42	32
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

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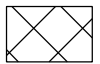



WEST ABUTMENT FACE



EAST ABUTMENT FACE

LEGEND

 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

 EPOXY CRACK INJECTION

CROSS SECTION AT ABUTMENTS

NOT TO SCALE. DRAWN NORMAL TO IL 251

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
EPOXY CRACK INJECTION	FT	43
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	14

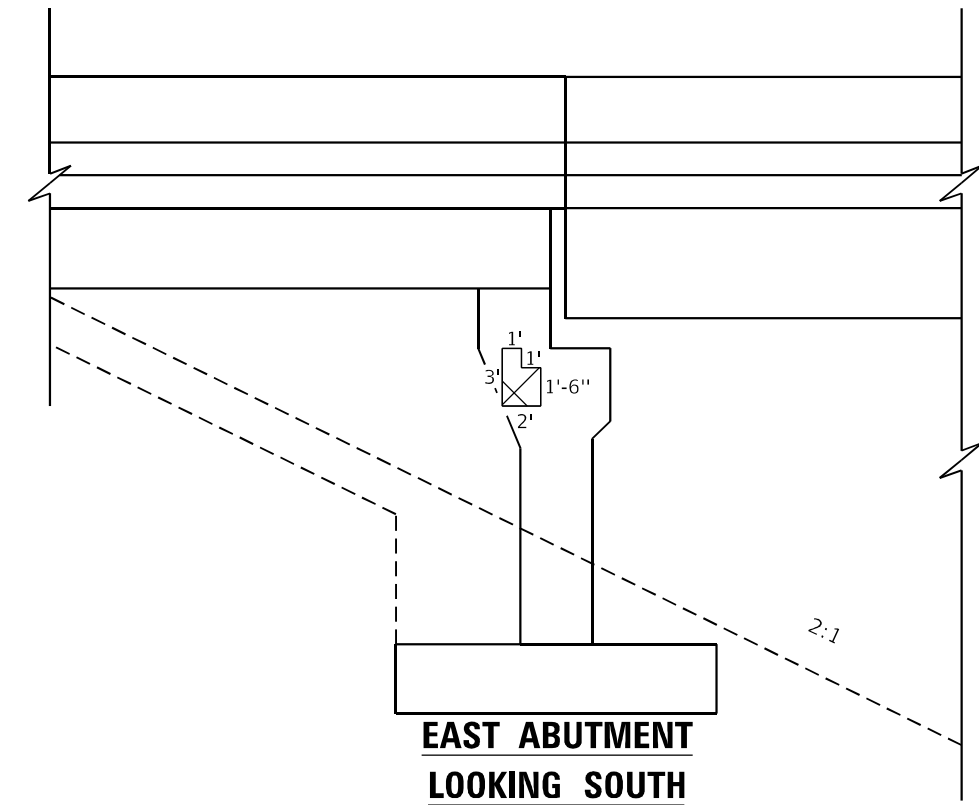
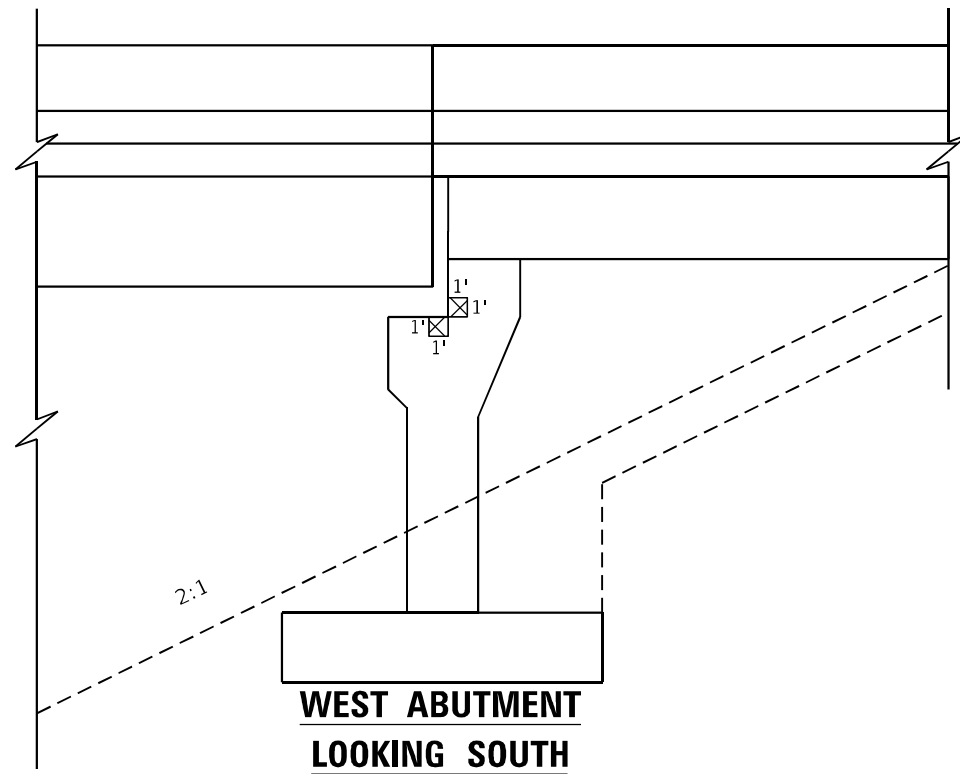
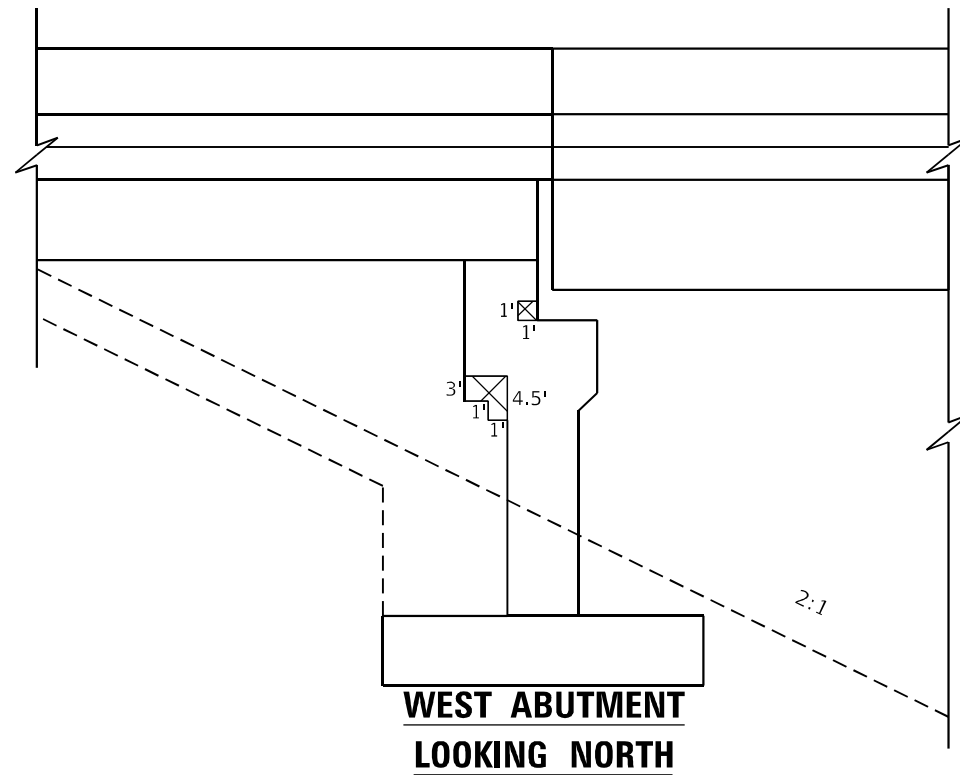
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SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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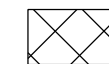
F.A.I. RTE. 39	SECTION (50-4HB)I	COUNTY LASALLE	TOTAL SHEETS 47	SHEET NO. 33
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

GENERAL NOTE

AREAS OF ABUTMENT REPAIR SHOWN ARE ESTIMATE.
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF REPAIR ON "AS-BUILT".



LEGEND



STRUCTURAL REPAIR OF CONCRETE
(DEPTH EQUAL TO OR LESS THAN 5")

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	21

NOT TO SCALE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ABUTMENT CURTAIN WALL REPAIR DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	34
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 1/30/2021		

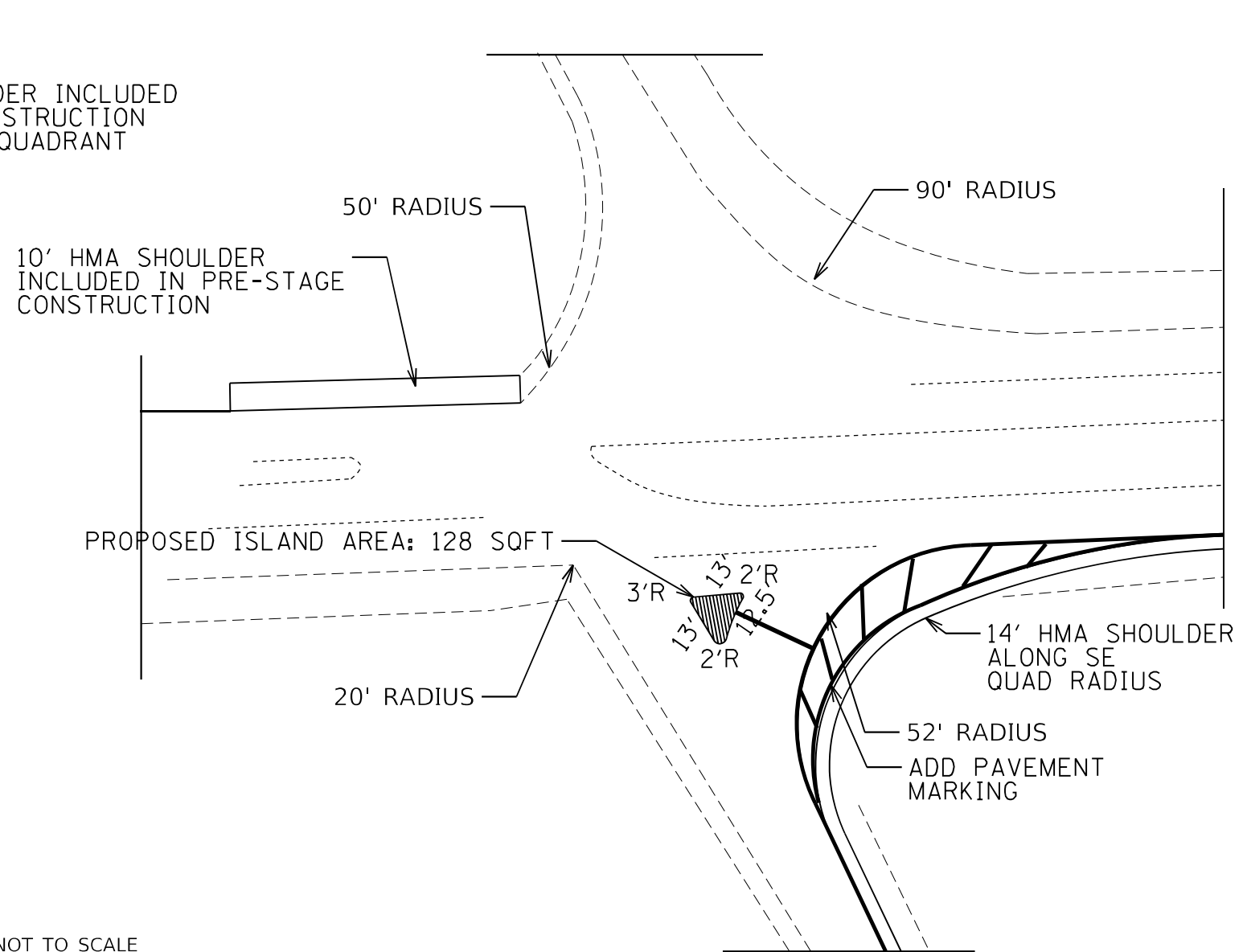
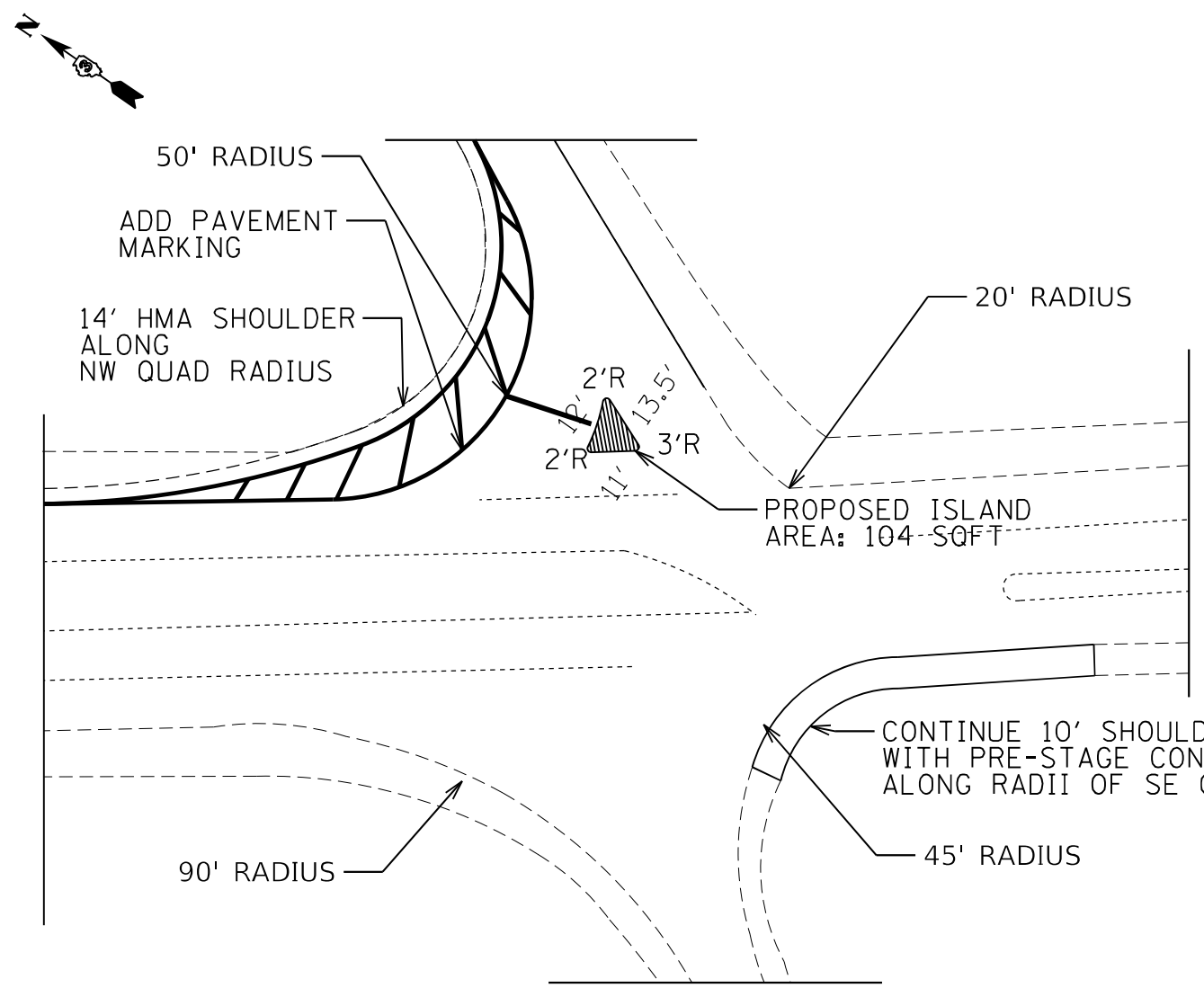
NOTES:
 CONSTRUCT ISLAND TO ORIGINAL GEOMETRY

WB-67 DESIGN VEHICLE FOR ADDITIONAL SHOULDER QUANTITY

SEE TYPICAL ISLAND DETAIL 780-21 FOR ISLAND PAVEMENT MARKINGS

REMOVAL AREA AND DIMENSIONS ARE THE SAME AS THE PROPOSED

REMOVAL AND PATCHING OF THE ISLANDS INCLUDED IN THE SCOPE OF PRE-STAGE CONSTRUCTION. SEE SHEET 14



NOT TO SCALE

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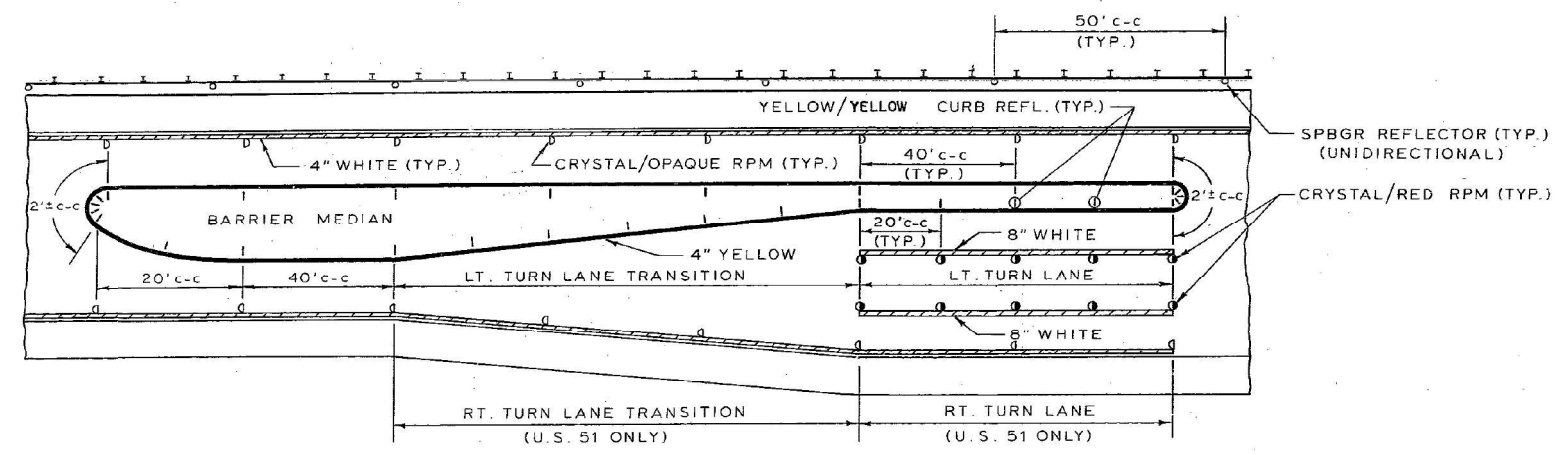
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ISLAND REMOVAL & CONSTRUCTION

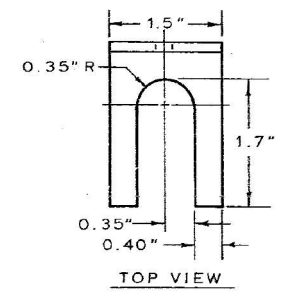
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	35
CONTRACT NO. 66L01			ILLINOIS FED. AID PROJECT	

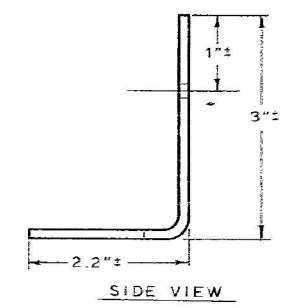
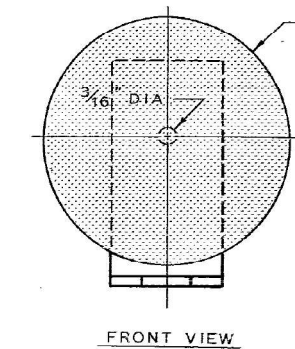
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FA 412	*	LA SALLE	47	6
F.H.W.A. REG. 4 ILLINOIS PROJECT				
* 50-4HB & 50-4HB-1				



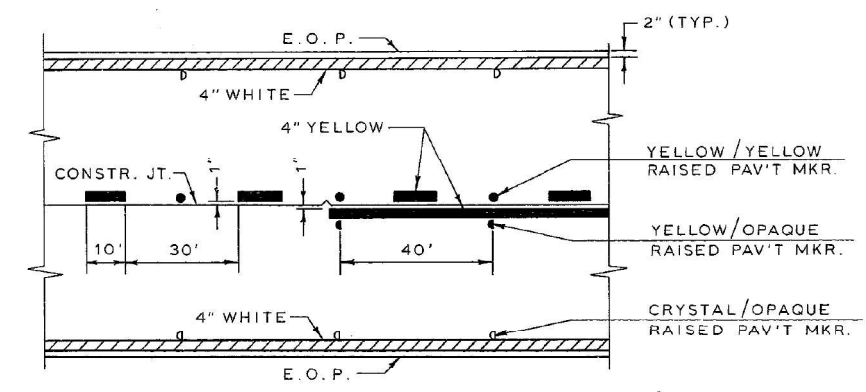
REFLECTIVE DELINEATION INSTALLATION DETAILS



NOTE: BRACKETS SHALL BE FABRICATED FROM 14 GAUGE MIN. AASHTO M11 GALVANIZED STEEL.
BRACKET FOOT SHALL BE PLACED BETWEEN SPBGR POST BOLT AND PLATE WASHER AS SHOWN IN STD. 2259.
BRACKETS SHALL NOT BE INSTALLED WITHIN 25 FEET OF A BREAKAWAY CABLE TERMINAL SECTION NOSE.

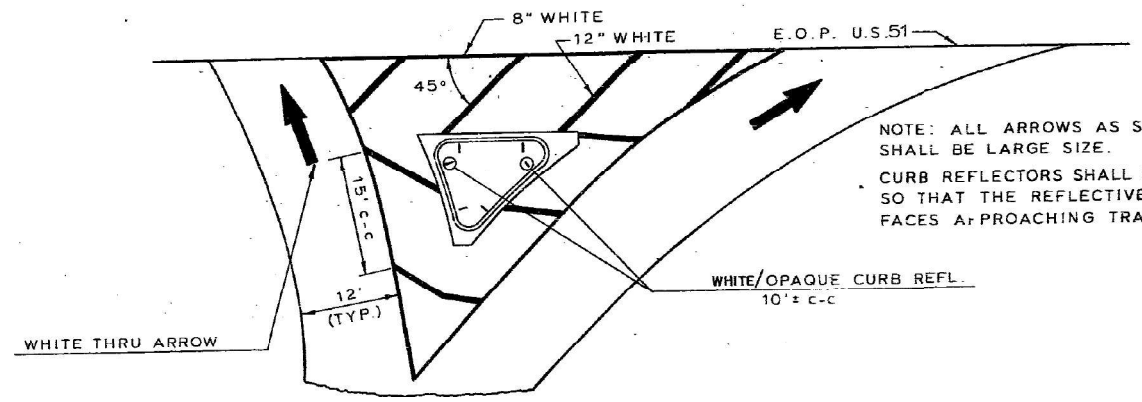


SPBGR REFLECTOR BRACKET



NOTE: REFER TO SEC. T 502 OF "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" FOR ADDITIONAL INFORMATION REGARDING LANE LINE PLACEMENT.

PAINT PAVEMENT MARKING DETAIL

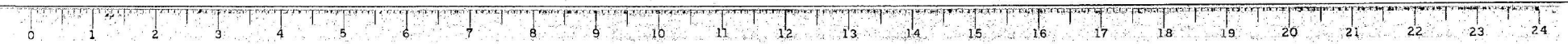


NOTE: ALL ARROWS AS SHOWN SHALL BE LARGE SIZE.
CURB REFLECTORS SHALL BE PLACED SO THAT THE REFLECTIVE ELEMENT FACES APPROACHING TRAFFIC.

PAINT PAVEMENT MARKING DETAILS FOR CURBED ISLANDS

FOR INFORMATION ONLY

PAVEMENT MARKING DETAILS



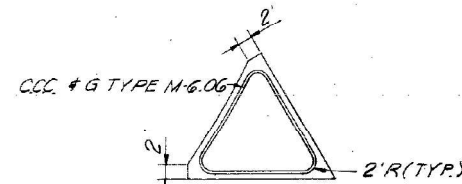
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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

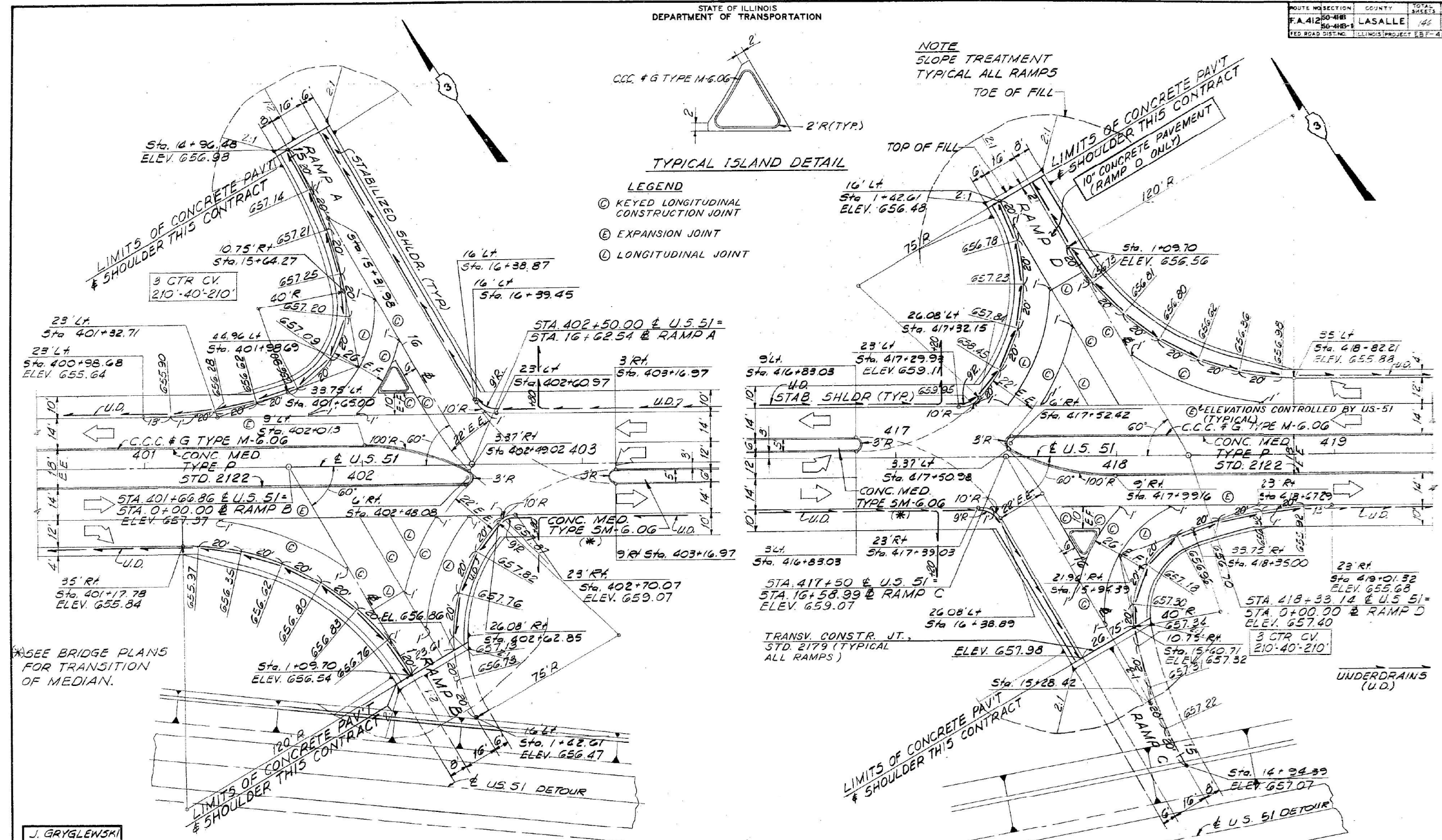
ISLAND INFORMATION	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	36
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



TYPICAL ISLAND DETAIL

- LEGEND
- ⊙ KEYED LONGITUDINAL CONSTRUCTION JOINT
 - ⊕ EXPANSION JOINT
 - ⓪ LONGITUDINAL JOINT



J. GRYGLEWSKI
DESIGNED
A. BYLINOWSKI
CHECKED
R. LUER
DRAWN
A. BYLINOWSKI
CHECKED

RAMPS A & B
1" = 20'

FOR INFORMATION ONLY

RAMPS C & D
1" = 20'

U.S. 51
RAMP TERMINALS

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

USER NAME = carlmsa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ISLAND INFORMATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	37
CONTRACT NO. 66L01			ILLINOIS FED. AID PROJECT	

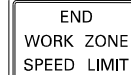
STRUCTURE NO. 050-0200

TRAFFIC CONTROL AND PROTECTION 701331-05 STANDARD TO BE USED IN CONJUNCTION WITH PLAN
 STAGE I TRAFFIC DISPLAYED IS LOCATION 1
 STAGE II TRAFFIC WILL BE THE SAME GEOMETRY FLIPPED 180° IS LOCATION 2

NOT TO SCALE

NOTES:
 10'-0" HMA SHOULDER;
 HMA BINDER COURSE, IL-19.0
 HMA SURFACE COURSE, MIXTURE D, N70
 PLACED ACCORDING TO TYPICAL SECTIONS.
 SOME TRAFFIC CONTROL ITEMS OMITTED FOR CLARITY.
 DUE TO SYMMETRY STAGE I TRAFFIC CONTROL IS SHOWN.
 STAGE II IS SIMILAR THROUGH A 180 DEG. ROTATION ABOUT
 CENTERLINE OF STRUCTURE.
 REMOVAL AREA OF MEDIAN CAPS TO BE DETERMINED IN SITU BY
 RESIDENT ENGINEER.
 UPON COMPLETION OF THE PROJECT INSTALL NEW:
 *STOP ASSEMBLY 36"X12" R6-1 LT
 *ONE WAY LEFT ARROW" BACK TO BACK WITH 36"X12" R6-1LT
 *ONE WAY RIGHT ARROW" OVER 36"X36" R1-1
 *STOP" OVER 30"X24" R6-3a
 *DIVIDED HIGHWAY" SIGN ON A WOOD SUPPORT IN THE CONCRETE MEDIAN
 OF THE EXIT RAMPS

G20-I103-6036



END WORK ZONE SPEED LIMIT SIGNS
 PLACED AT STA 368+00 NB

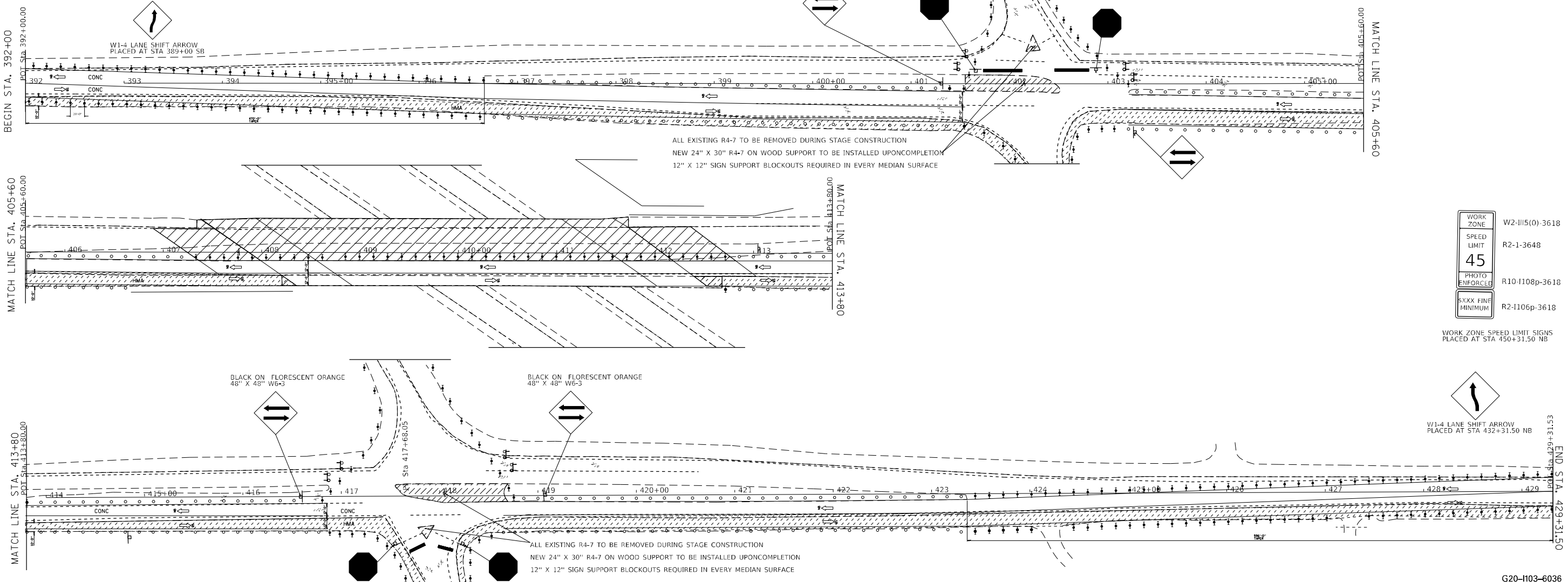
WORK ZONE
 SPEED LIMIT
45
 PHOTO ENFORCED
 R2-1-3648
 R10-I108p-3618

SXXX FINE MINIMUM
 R2-I106p-3618

WORK ZONE SPEED LIMIT SIGNS
 PLACED AT STA 368+00



W1-4 LANE SHIFT ARROW
 PLACED AT STA 389+00 SB



ALL EXISTING R4-7 TO BE REMOVED DURING STAGE CONSTRUCTION
 NEW 24" X 30" R4-7 ON WOOD SUPPORT TO BE INSTALLED UPONCOMPLETION
 12" X 12" SIGN SUPPORT BLOCKOUTS REQUIRED IN EVERY MEDIAN SURFACE

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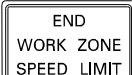
WORK ZONE
 SPEED LIMIT
45
 PHOTO ENFORCED
 R2-1-3648
 R10-I108p-3618
 SXXX FINE MINIMUM
 R2-I106p-3618

WORK ZONE SPEED LIMIT SIGNS
 PLACED AT STA 450+31.50 NB

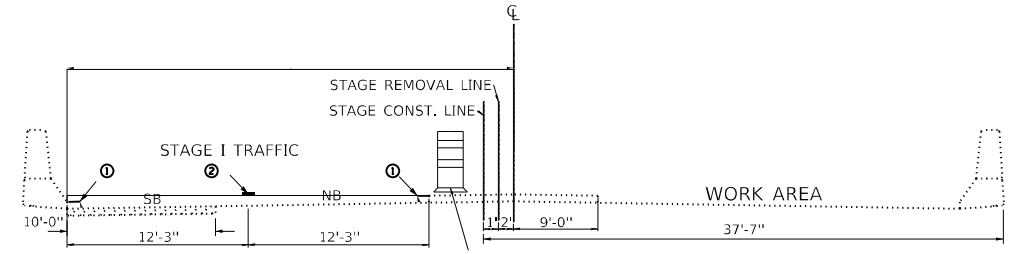


W1-4 LANE SHIFT ARROW
 PLACED AT STA 432+31.50 NB

G20-I103-6036



END WORK ZONE SPEED LIMIT SIGNS
 PLACED AT STA 450+31.50 SB



STAGE I LOOKING NORTH

DIMENSIONS SHOWN ARE NORMAL TO THE CL OF IL 251

SYMBOLS

- HMA SHOULDER
- MEDIAN REMOVAL
- WORK AREA
- DIRECTION OF TRAFFIC
- STOP BAR
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL FLASHING LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM

GENERAL NOTES

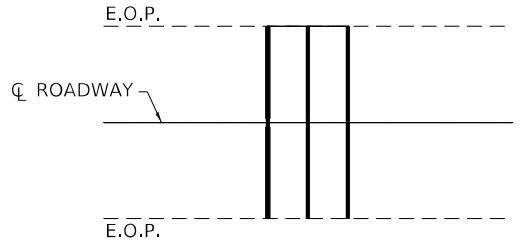
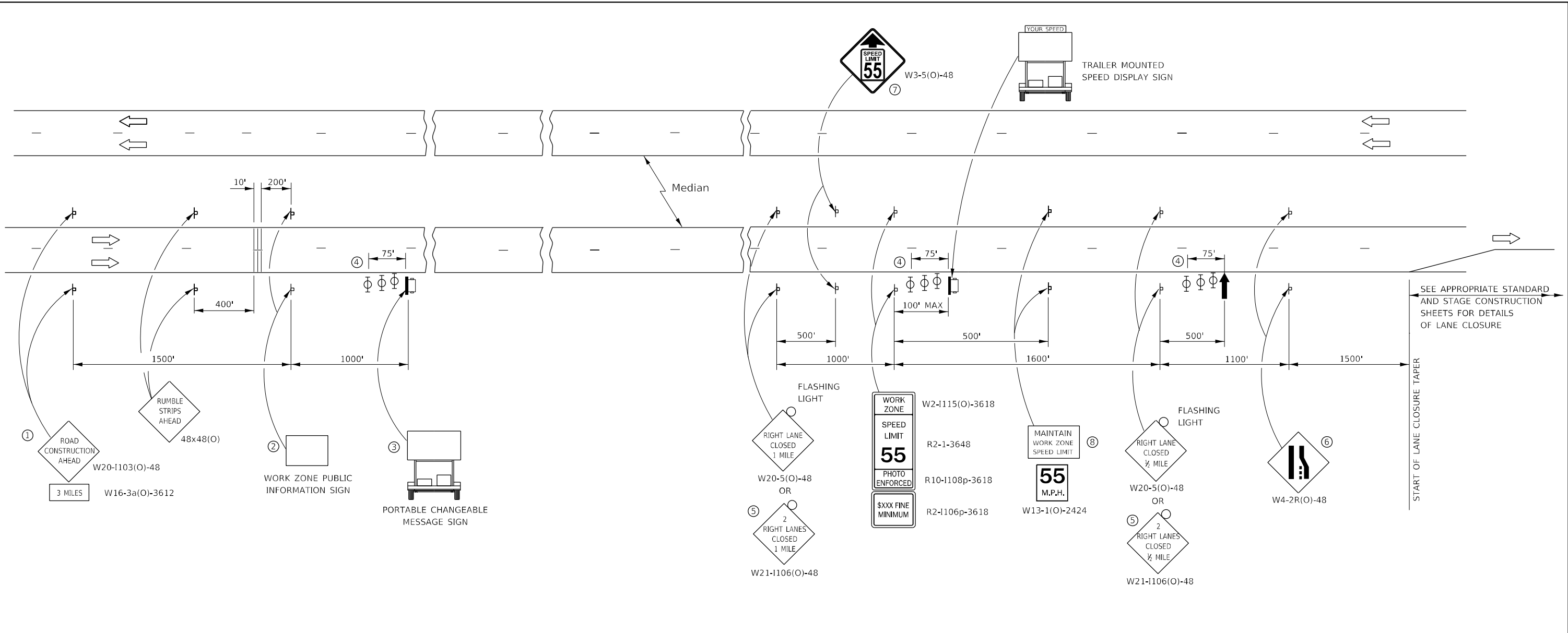
THE TRAFFIC CONTROL PLAN IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OF A BRIDGE.
 EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STA 392+00 TO STA 429+31.50
 TEMPORARY PAVEMENT MARKING AS SHOWN ON DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD 701331-05.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGES 1 & 2 STANDARD 701331-05 IL 251

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	39		(50-4HB)I				39	(50-4HB)I	LASALLE	47	39
									CONTRACT NO. 66L01		
											ILLINOIS FED. AID PROJECT



TEMPORARY RUMBLE STRIP (SPECIAL)

- 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"	MAINTAIN	8"
	WORK ZONE	6"
	SPEED LIMIT	6"

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

GENERAL NOTE:

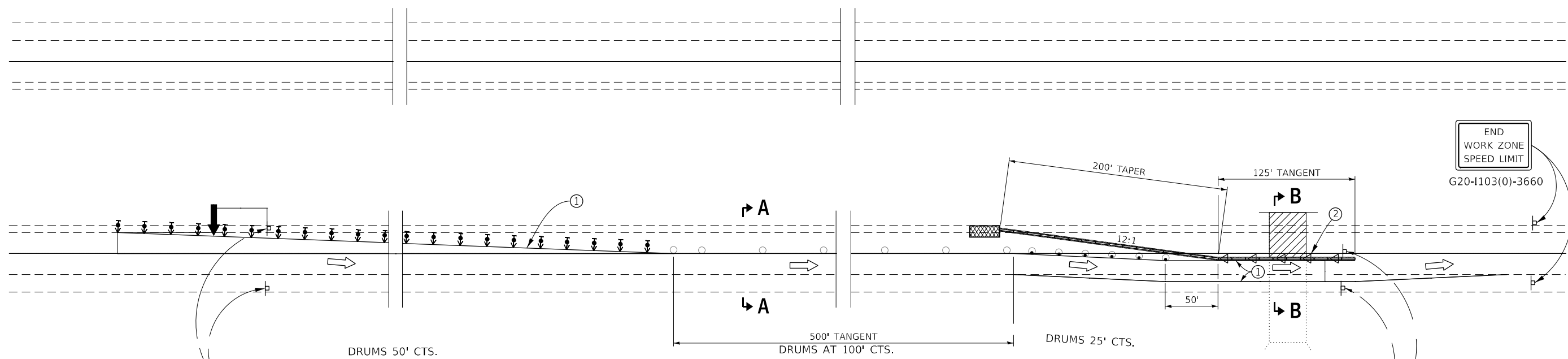
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

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 ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

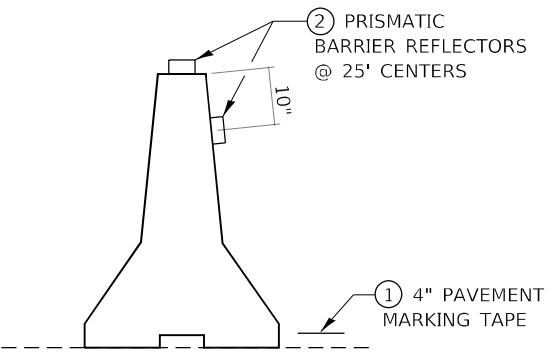
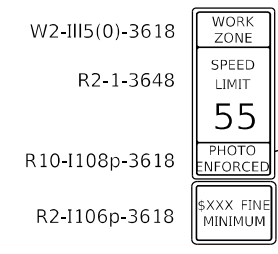
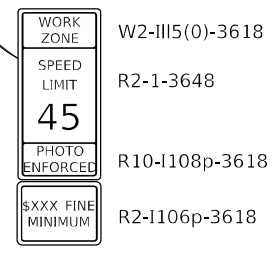
SEE SPECIAL PROVISIONS.

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 PLOT DATE: = 1/30/2021
 DESIGNED - SW/
 DRAWN - SW/
 CHECKED - JG/
 DATE - 8/8/2021
 REVISED -
 REVISED -
 REVISED -
 REVISED -



**PLAN
STAGE I**

NOTE:
TRAFFIC CONTROL AND PROTECTION IS SHOWN FOR THE NORTHBOUND LANES,
WHEN TRAFFIC CONTROL AND PROTECTION IS REQUIRED IN THE SOUTHBOUND LANES,
THE TRAFFIC CONTROL AND PROTECTION SHALL BE SIMILAR THROUGH A 180° ROTATION
ABOUT THE CENTERLINE OF OF F.A.I. 39



① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW. COST OF INSTALLING AND REMOVING THE TEMPORARY PAVEMENT MARKING TAPE SHALL BE INCLUDED IN THE COST OF THIS STANDARD.

SYMBOLS

- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ← DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- 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

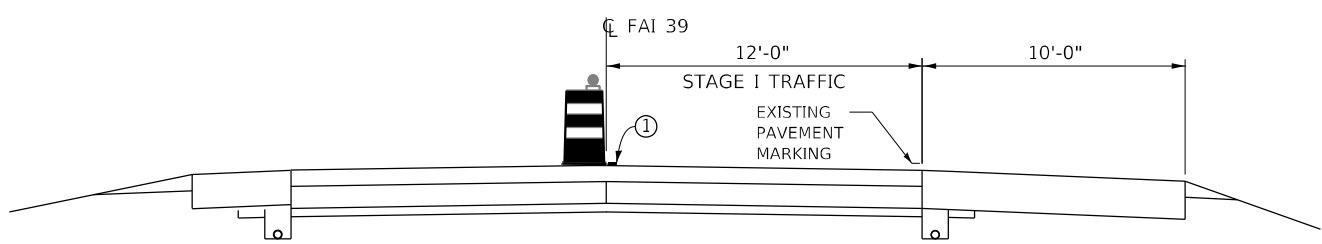
TEMPORARY CONCRETE BARRIER

GENERAL NOTES

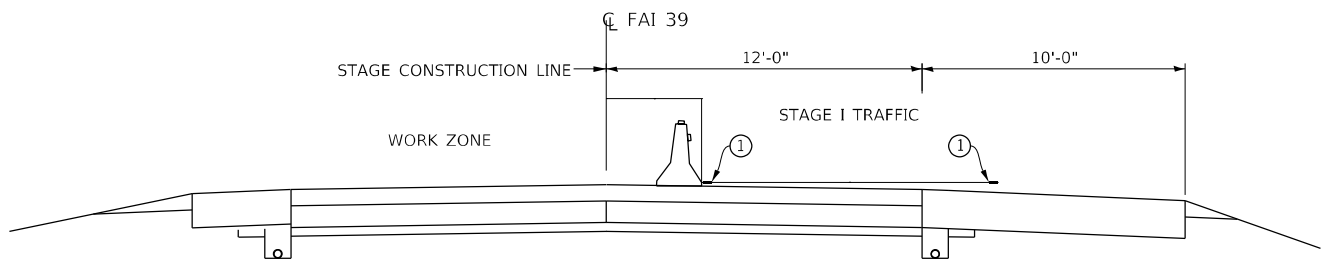
THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24" OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.



SECTION A-A



SECTION B-B

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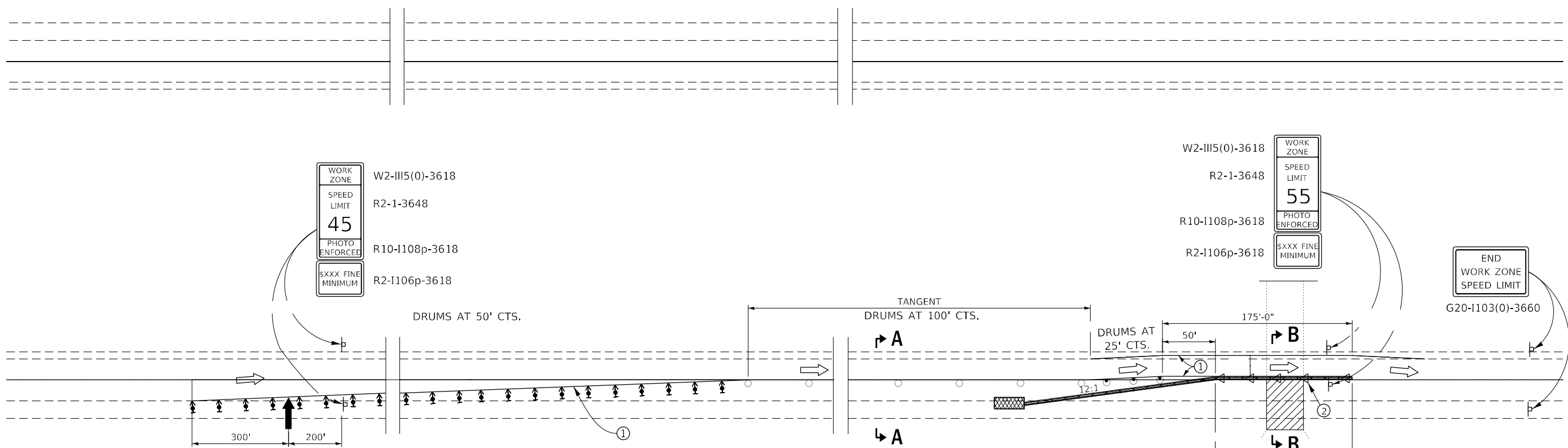
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PLOT DATE = 1/30/2021	DATE - 8/8/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701402
STAGE I**

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

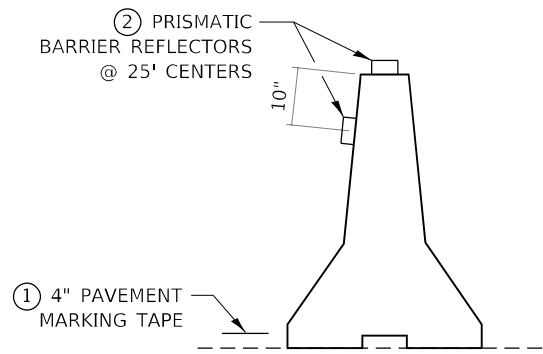
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	41
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



NOTE:
 TRAFFIC CONTROL AND PROTECTION IS SHOWN FOR THE NORTHBOUND LANES,
 WHEN TRAFFIC CONTROL AND PROTECTION IS REQUIRED IN THE SOUTHBOUND LANES,
 THE TRAFFIC CONTROL AND PROTECTION SHALL BE SIMILAR THROUGH A 180° ROTATION
 ABOUT THE CENTERLINE OF F.A.I. 39

**PLAN
 STAGE II**

① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW. COST OF INSTALLING AND REMOVING THE TEMPORARY PAVEMENT MARKING TAPE SHALL BE INCLUDED IN THE COST OF THIS STANDARD.



TEMPORARY CONCRETE BARRIER

SYMBOLS

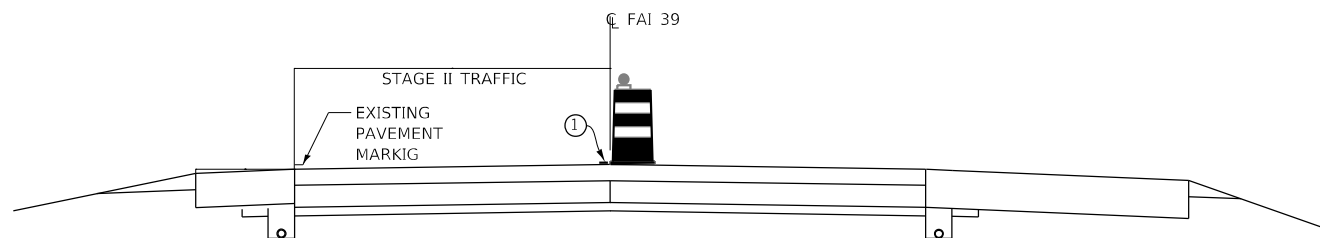
- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- ← DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TRAFFIC CONTROL DRUM
- ⊙ TRAFFIC CONTROL DRUM, WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKERS AT 25' CTS. MARKERS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

GENERAL NOTES

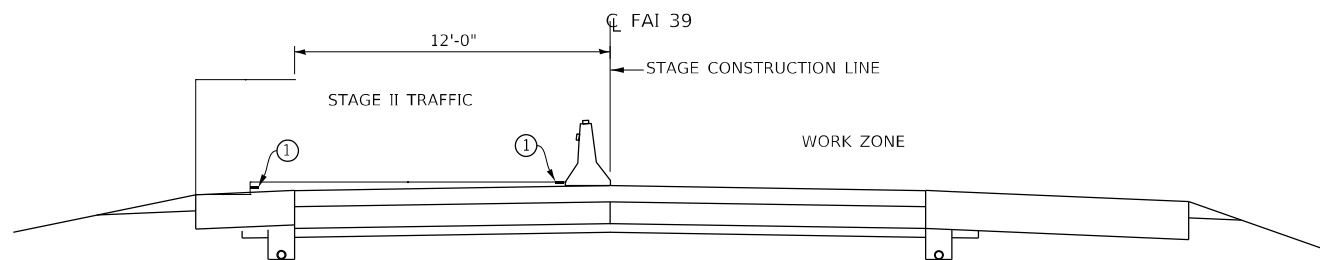
THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24" OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.



SECTION A-A



SECTION B-B

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701402
 STAGE 2**

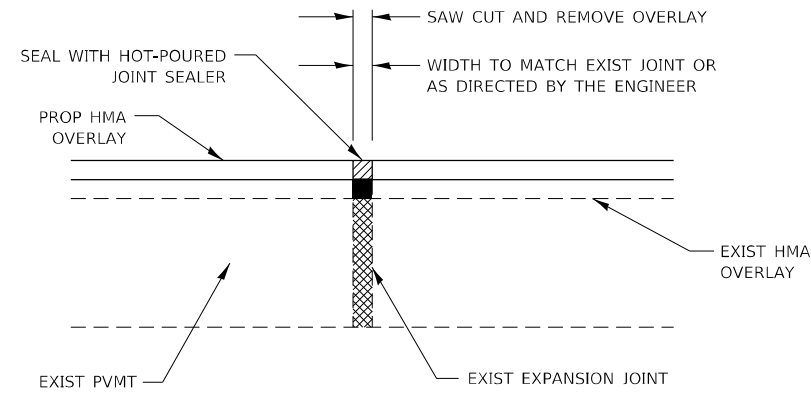
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	42
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

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

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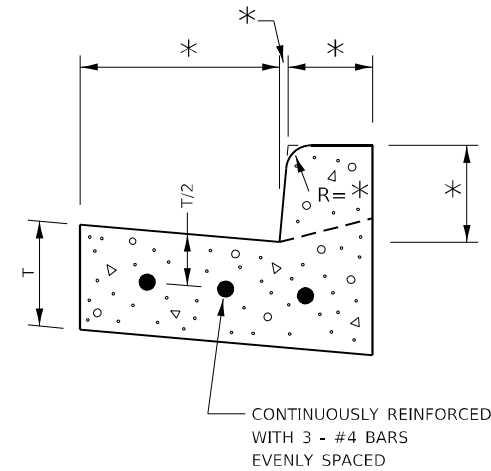
* VARIES - SEE STANDARD 606001



EXPANSION JOINT REHABILITATION DETAIL

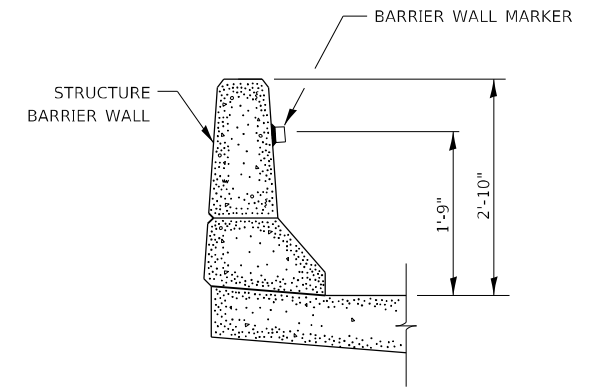
GENERAL NOTES:

1. THE NEW HMA OVERLAY SHALL BE SAWED, REMOVED AND THE JOINT AREA CLEANED. PRIOR TO PLACING THE HOT-POURED JOINT SEALER, THE JOINT SHALL BE BLOWN OUT WITH COMPRESSED AIR.
2. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPANSION JOINT REHABILITATION.

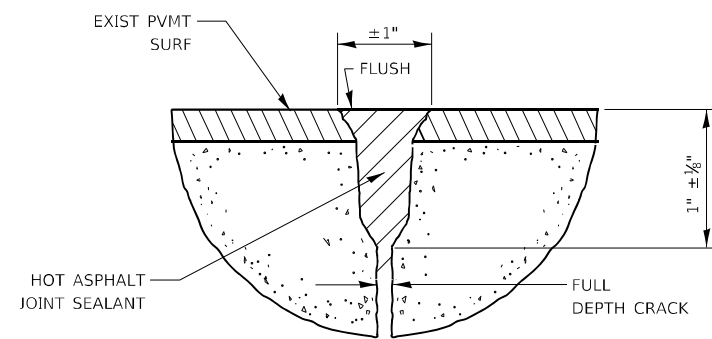


REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

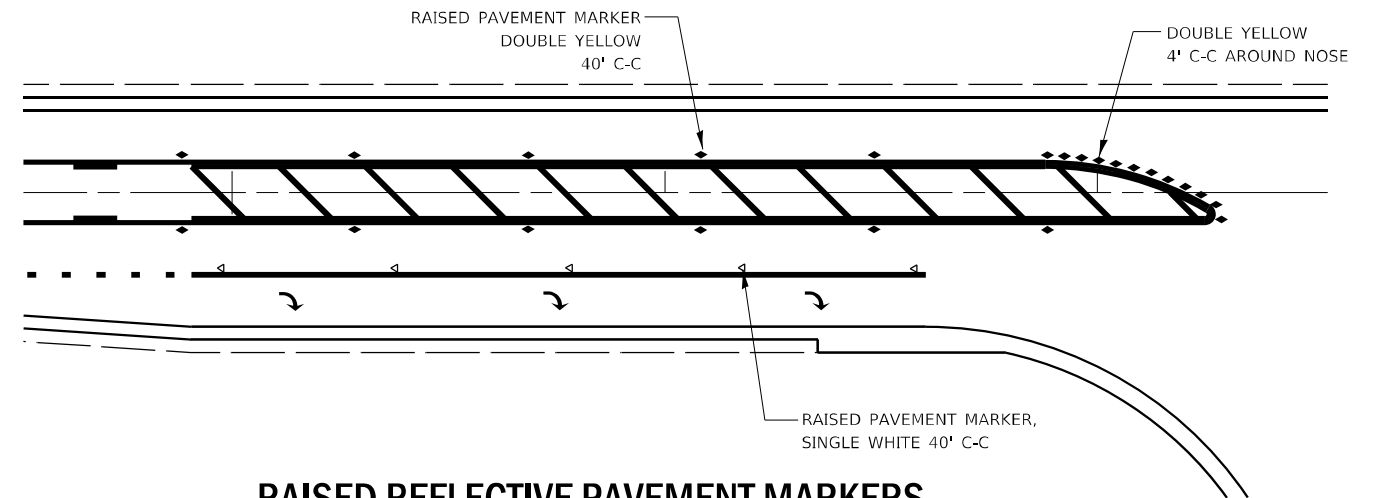
REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER



BARRIER WALL MARKER



ROUTING & SEALING JOINTS (CENTERLINE & TRANSVERSE PATCH BOUNDARIES)



RAISED REFLECTIVE PAVEMENT MARKERS @ RIGHT TURN LANE

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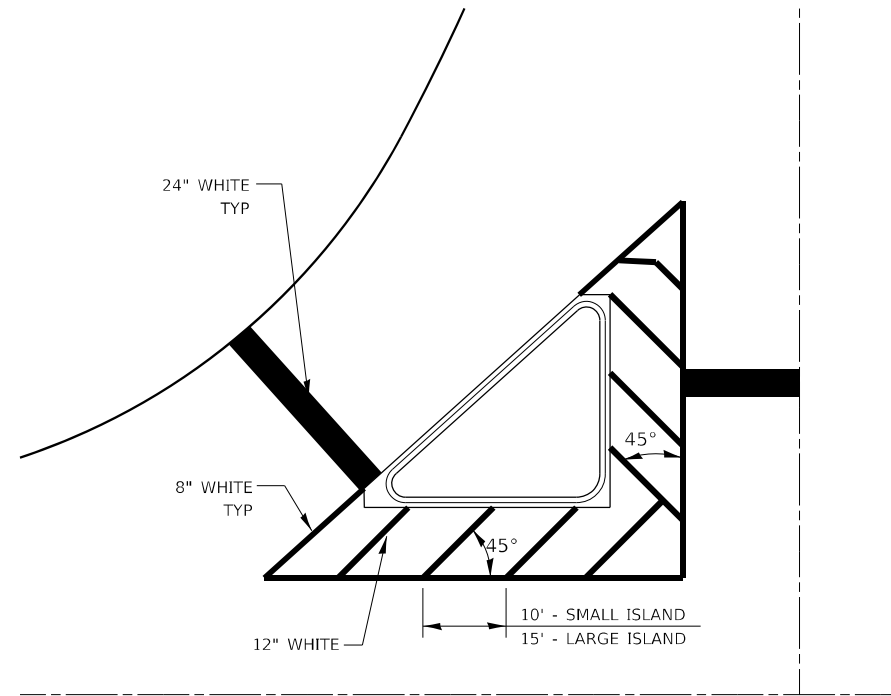
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

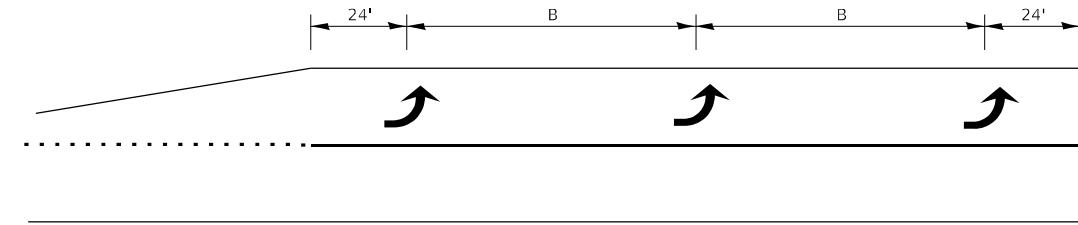
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	43
CONTRACT NO. 66L01			ILLINOIS FED. AID PROJECT	

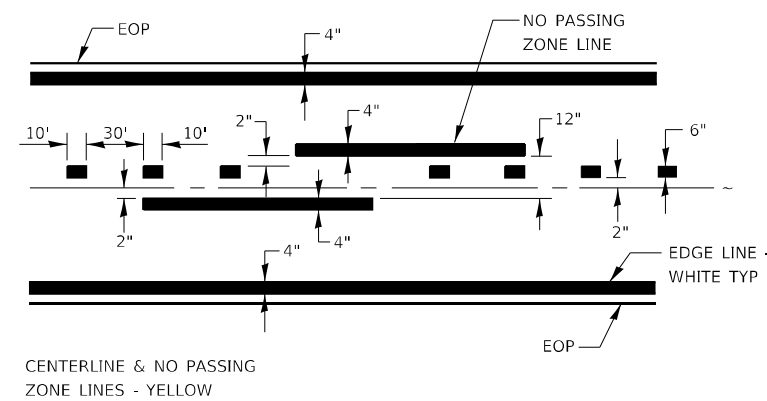


TYPICAL ISLAND

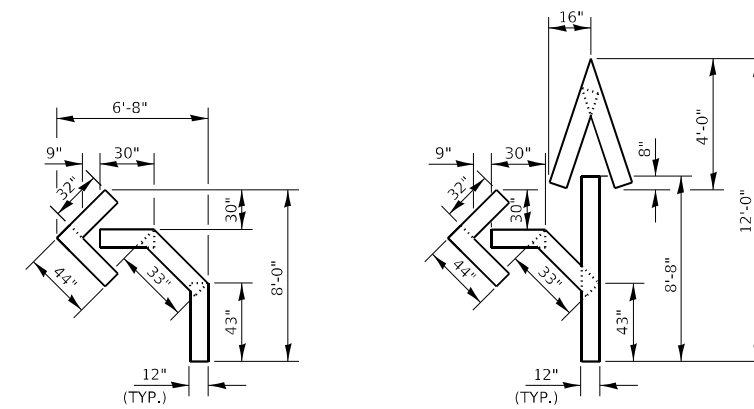


150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

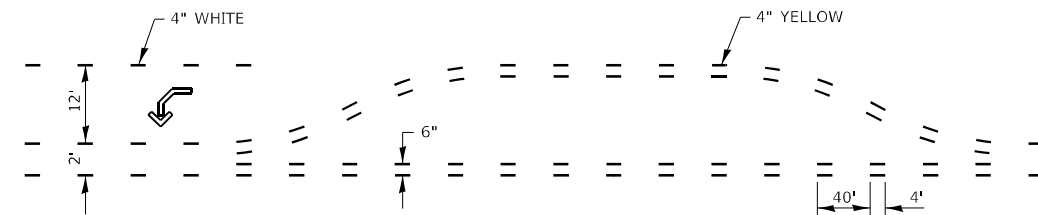


PAVEMENT MARKING



QUANTITY
12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT

QUANTITY
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

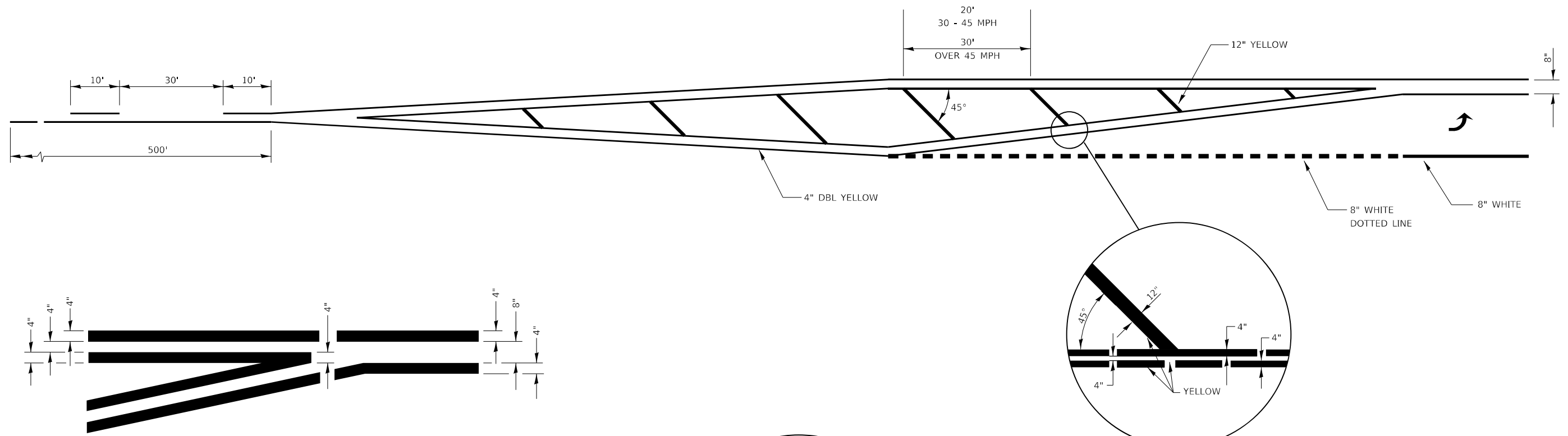
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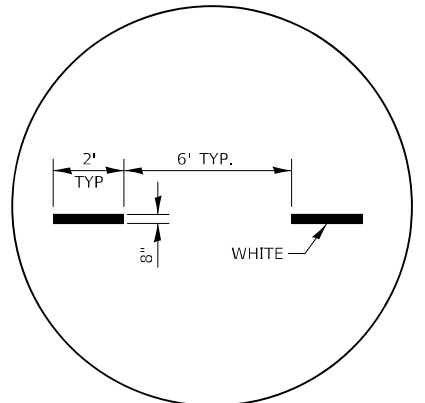
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

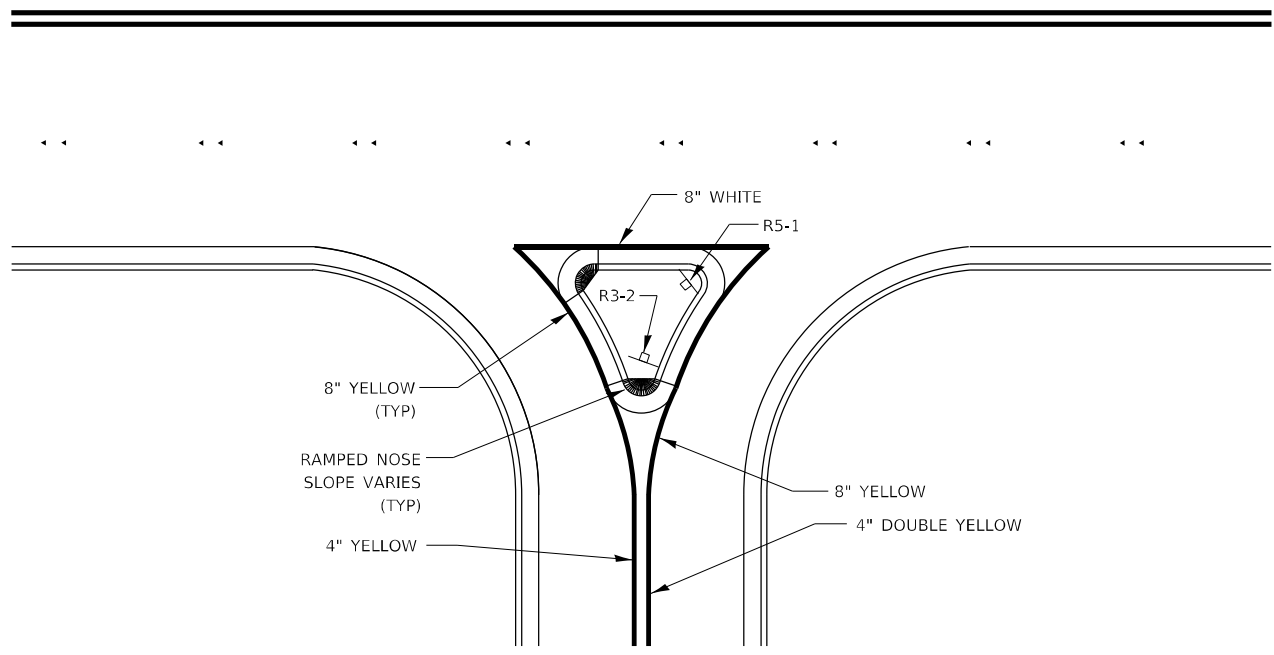
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39	(50-4HB)I	LASALLE	47	44
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



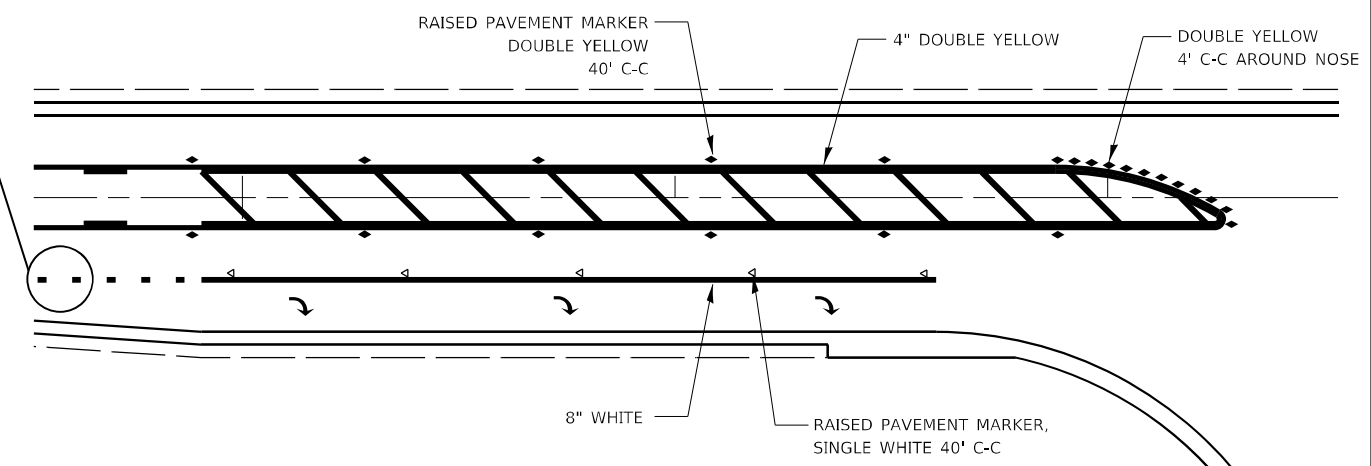
**TYPICAL APPLICATION
@ LEFT TURN LANES**



**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



**RAISED REFLECTIVE AND PAVEMENT MARKERS
@ RIGHT TURN LANE**

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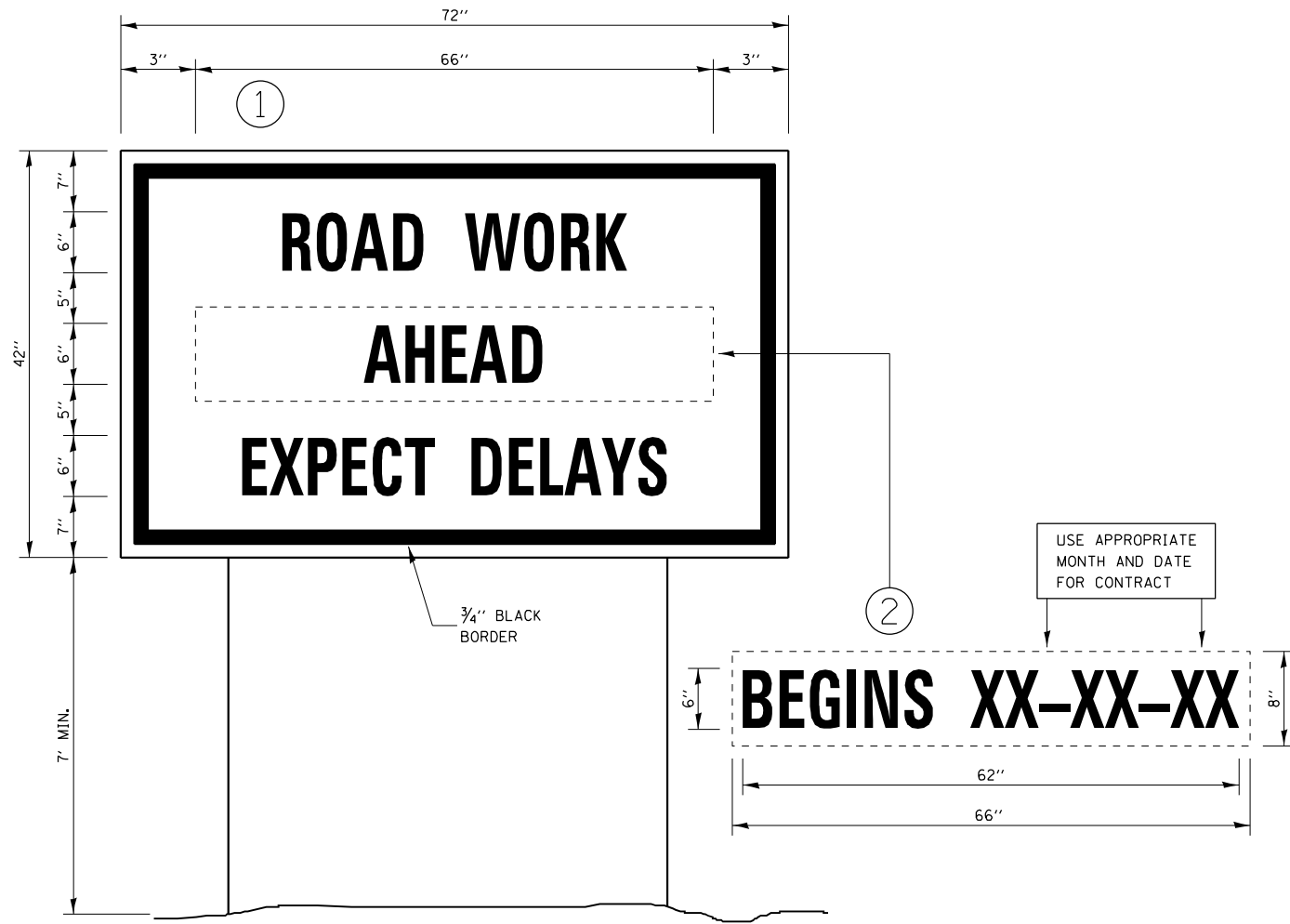
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

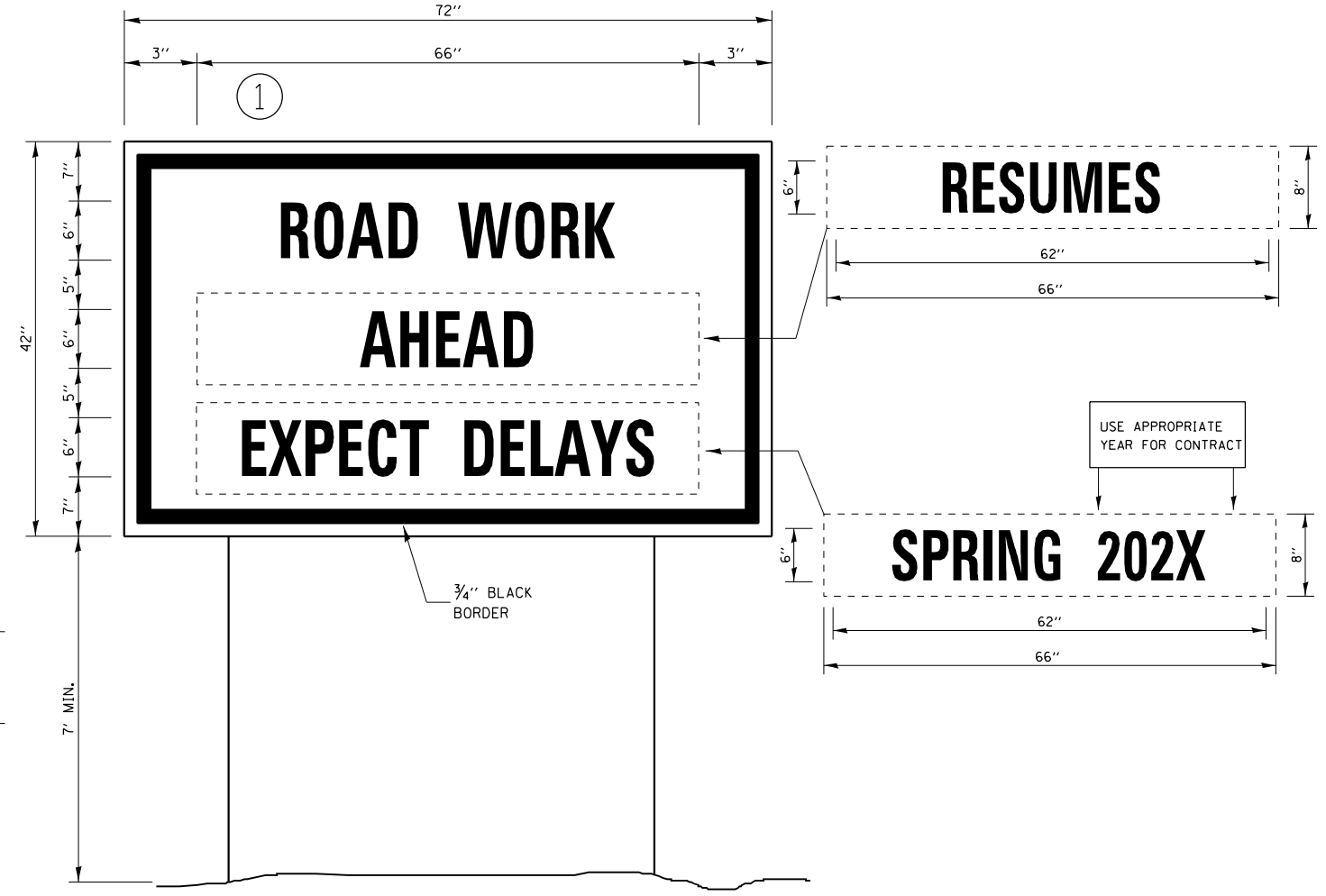
DETAILS

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	45
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



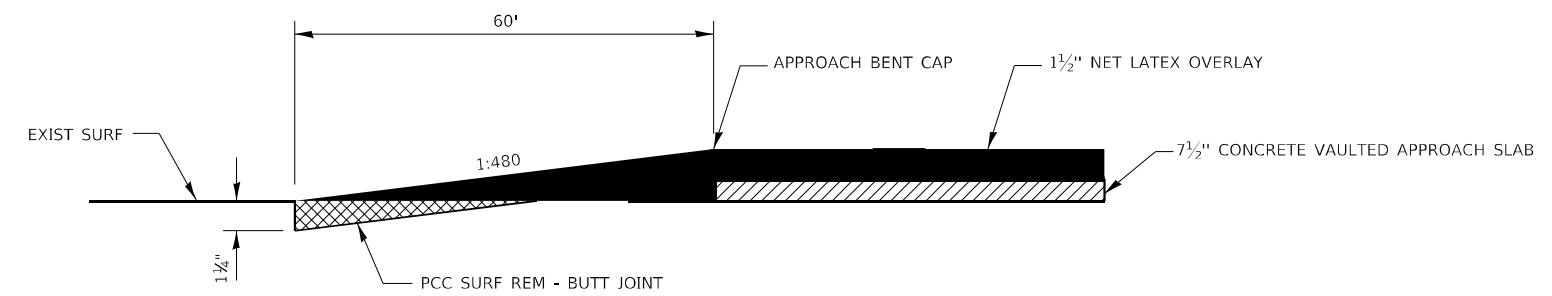
TEMPORARY INFORMATION SIGNING



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.



BUTT JOINT DETAIL

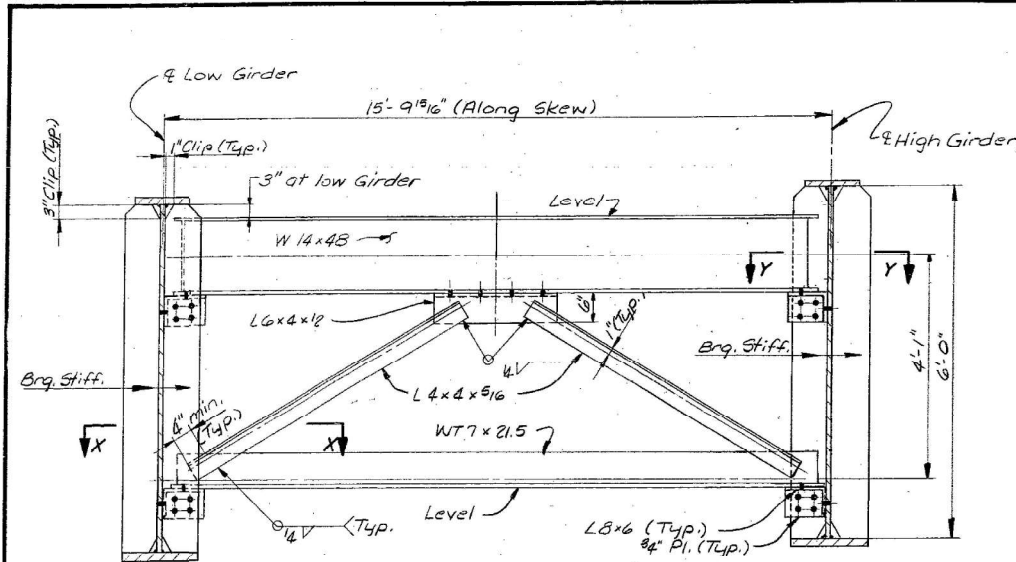
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	DATE -	REVISED -

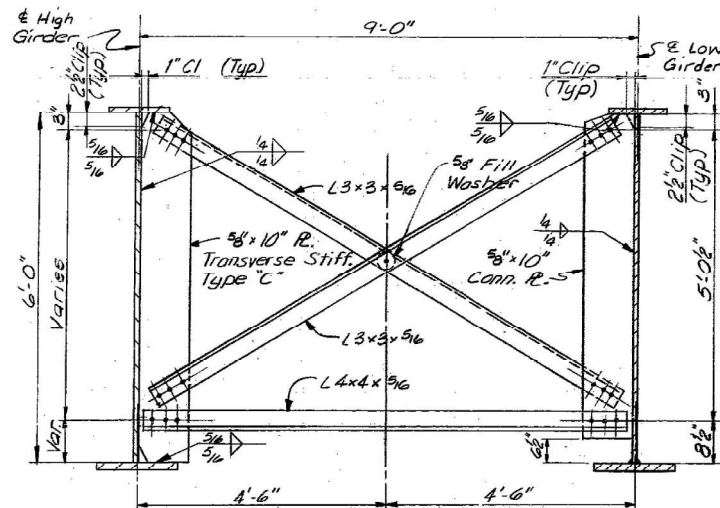
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS				
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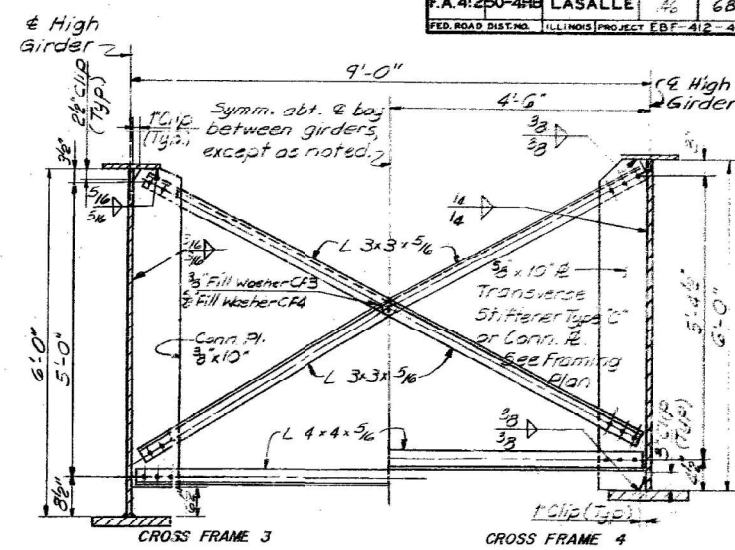
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CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				



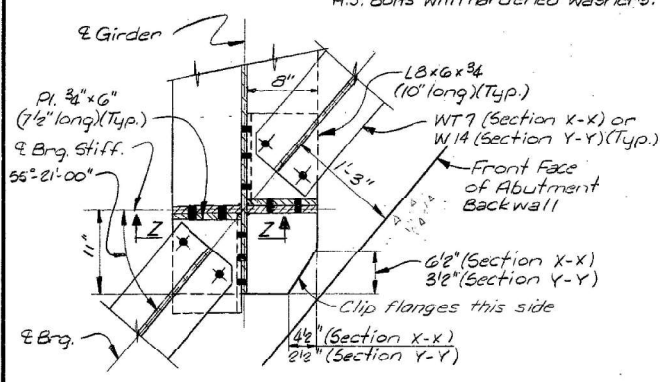
END CROSS FRAME CF1
Note: Provide 1 1/16\" holes for 3/8\" H.S. Bolts with hardened washers.



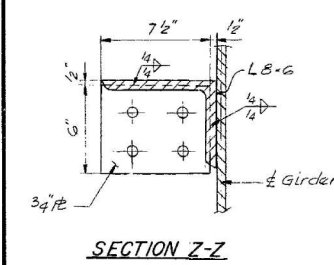
INTERMEDIATE CROSS FRAME CF2
Note: Provide 1 1/16\" holes for 3/8\" H.S. Bolts with hardened washers.



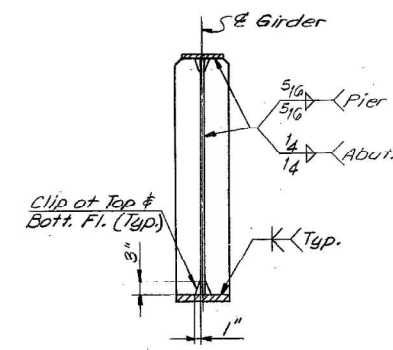
INTERMEDIATE CROSS FRAME CF3 AND CF4
Note: Provide 1 1/16\" holes for 3/8\" H.S. Bolts with hardened washers.



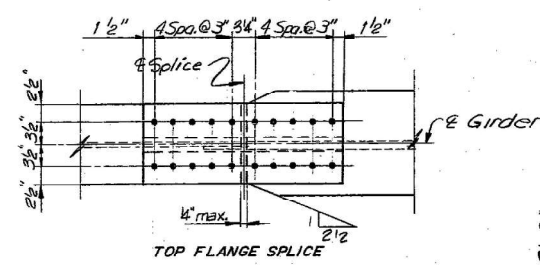
SECTIONS X-X & Y-Y



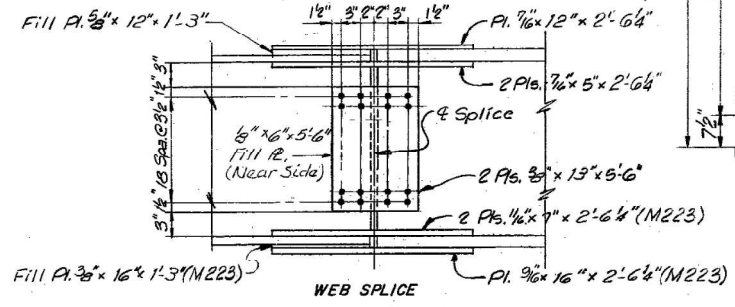
SECTION Z-Z



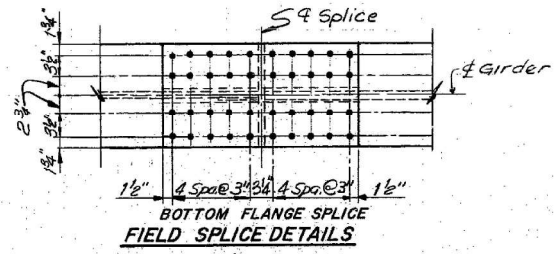
BEARING STIFFENER



TOP FLANGE SPLICE

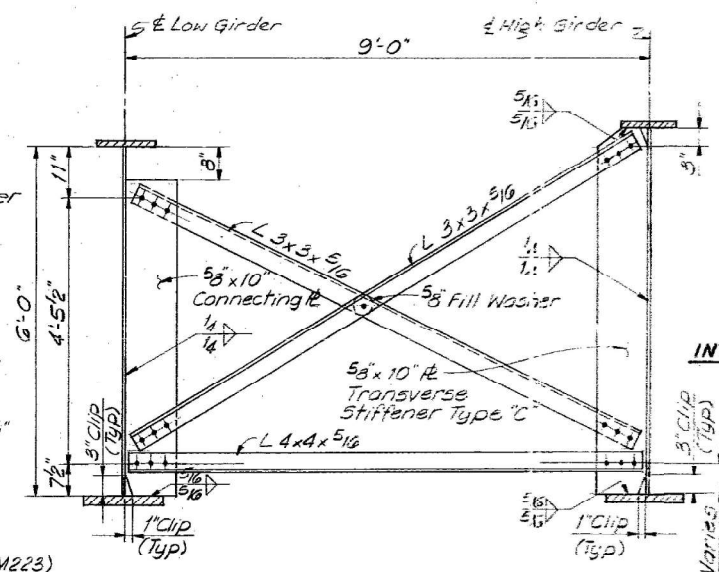


WEB SPLICE

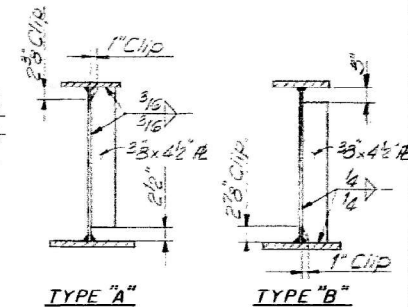


BOTTOM FLANGE SPLICE

FIELD SPLICE DETAILS



INTERMEDIATE CROSS FRAME CF5
Note: Provide 1 1/16\" holes for 3/8\" H.S. Bolts with hardened washers.



INTERMEDIATE TRANSVERSE STIFFENERS

For Transverse Stiffeners Type 'C', see Cross Frames CF2, CF4 and CF5.

DESIGNED BY
T. Ritzhelmer
CHECKED BY
R. Wokurka
R. Prescher
DRAWN BY
C. Lizana
CHECKED

6692
9/5/43

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

PREPARED BY:
SVERDRUP & PARCEL AND ASSOCIATES, Inc.
ENGINEERS ARCHITECTS PLANNERS
ST. LOUIS, MISSOURI

U.S. 51 OVER FA-412
STEEL DETAILS
SECTION 50-4HB PROJECT EBF-412-4(6)
STA. 682+35.52 (F.A.-412) LASALLE CO.

SHEET NO. 14 OF 22

FOR INFORMATION ONLY

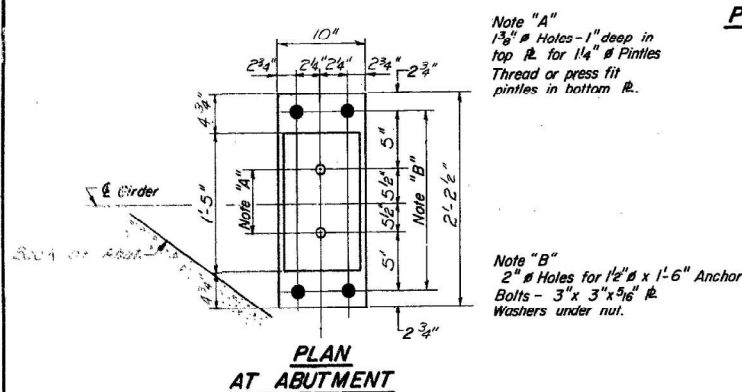
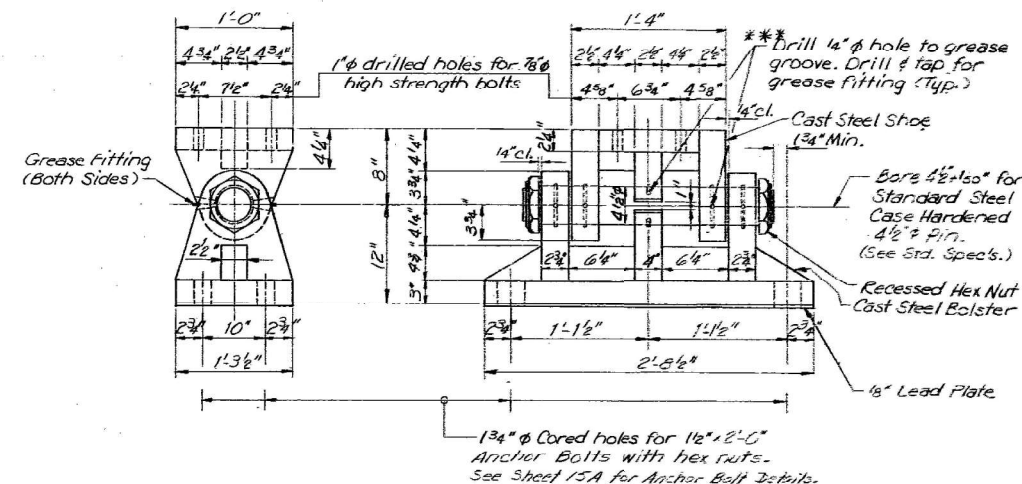
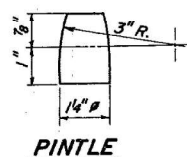
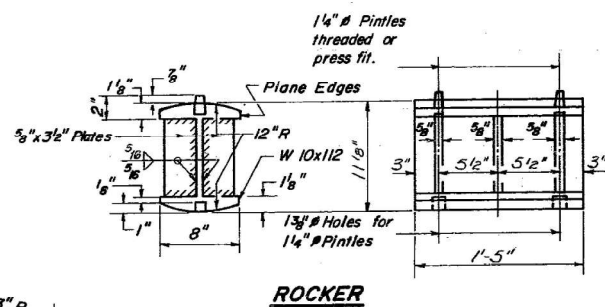
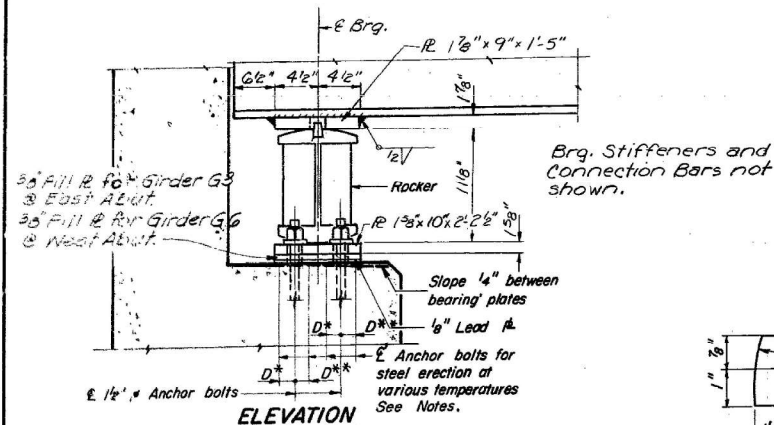
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PLOT DATE = 3/16/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLEANING & PAINTING INFORMATION			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	47B
CONTRACT NO. 66L01				
ILLINOIS FED. AID PROJECT				

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 PROJECT: 50-4HB
 DRAWN: C. Lizana
 CHECKED: R. Prescher
 DATE: 3/16/2021



INTERIOR GIRDER MOMENT TABLE

	0.4 Span 2 or 0.6 Span 3	PIER
I_s (in ⁴)	58,372	112,060
I_c n=9 (in ⁴)	127,775	
I_c n=27 (in ⁴)	71,483	
S_c (in ³)	1,594	2,960
S_c n=9 (in ³)	2,208	
S_c n=27 (in ³)	1,995	
Q (K/ft)	1.126	1.254
M_R (K)	2,057	-5,393
f_s non-comp (ksi)	15.5	21.9
S_R (K/ft)	0.415	0.415
M_s (K)	910	-1,546
M_t (K)	3610	-4,167
M_{xmp} (K)	646	-746
Total (K)	7,223	-11,852
f_s comp (ksi)	28.6	26.2
f_s Total (ksi)	44.1	48.1
V_R (K)	24.0	

FIXED BEARING AT PIER
Notes: Structural steel weldments of equal sections and meeting AASHTO M 223 Grade 50 may be substituted for the castings. Fillet or partial penetration weld shall be used for weldments. Minimum weld size shall be 1/4 thickness of plate being welded, except maximum size of weld need not exceed 3/4".
Cast steel for all bars and plates shall conform to the requirements of AASHTO M-192, class 70.

INTERIOR GIRDER REACTION TABLE

	Abuts.	Pier
R_R (K)	84	316
R_L (K)	60	125
Imp. (K)	11	22
R Total (K)	155	463

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s Total.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s Total.
 V_R is the maximum V + Impact shear range in span.
The load factor $(1.3)[R + \frac{1}{3}(I + Imp.)]$ is used in computing moments and stresses.

GREASE GROOVE ON SADDLE
***Note: Grease bearing assembly with molybdenum grease before installation.

NOTES FOR SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS
a.) D^* (Side of brg. away from fixed brg.)
 $D^* = 1/8$ " per each 100' of expansion for every 15° fall below the normal temp. of 50° F.
 D^{**} (Side of brg. toward fixed brg.)
 $D^{**} = 1/8$ " per each 100' of expansion for every 15° rise above the normal temp. of 50° F.
b.) After girders have been erected and dimensions D^* & D^{**} determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

Notes: All steel for bearing assemblies to be AASHTO M-183 unless otherwise noted.

T. Ritzheimer
DESIGNED
R. W. Kurka
CHECKED
C. Z. Zana
DRAWN
CHECKED

NOTE: DO NOT SCALE THIS DRAWING. FOLLOW DIMENSIONS.

PREPARED BY:
SVERDRUP & PARCEL AND ASSOCIATES, Inc.
ENGINEERS ARCHITECTS PLANNERS
ST. LOUIS, MISSOURI

U.S. 51 OVER F.A. 412
BEARINGS - SPANS 2 AND 3

SECTION 50-4HB PROJECT EBF-412-4(6)
STA. 682 + 35.52 (F.A.-412) LASALLE CO.

FOR INFORMATION ONLY

USER NAME = carmlisa	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLEANING & PAINTING INFORMATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-4HB)I	LASALLE	47	47C
			CONTRACT NO. 66L01	
		ILLINOIS	FED. AID PROJECT	