

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 57 (I-57)
SECTION (46-2,46-3)RS-3 & I
PROJECT NHPP-Z78N(062)
3R RESURFACING, PATCHING, AND
BRIDGE REPAIRS
KANKAKEE COUNTY

C-93-084-15

INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-9 SUMMARY OF QUANTITIES
- 10-16 TYPICAL SECTIONS
- 17-22 SCHEDULES
- 23-48 BRIDGE PLANS FOR SN 046-0012 & 046-0013
- 49 CAUSEWAY PLAN
- 50-57 BRIDGE PLANS FOR SN 046-0006 & 046-0007
- 58-61 TRAFFIC STAGING PLANS
- 62-63 ALTERNATE ROUTE SIGNING
- 64-76 DETAILS

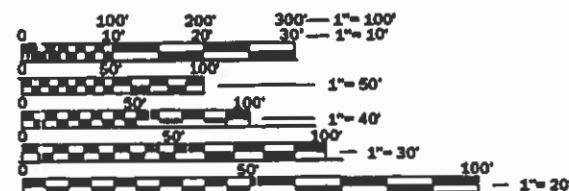
FOR THE LIST OF STANDARDS, SEE SHEET 2

BEGIN IMPROVEMENT
STA. 276 + 69

SN 046-2544
STA. 241 + 60

STATION EQUATION
STA. 201 + 96.53 BK =
STA. 107 + 65.25 AH

END IMPROVEMENT
STA. 240 + 00



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: BRAD DUNCAN, P.E.
UNIT CHIEF: DARCY CARPENTER
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66E67

GROSS LENGTH = 21,007.22 FT. = 3.979 MILES
NET LENGTH = 20,292.67 FT. = 3.843 MILES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	78	1
		ALPHABET	CONTRACT NO. 66E67	

P-93-032-04
D-93-045-15



FUNCTIONAL CLASSIFICATION: INTERSTATE

ADT 2017	30,800
P.V.	80.2%
S.U.	3.2%
M.U.	16.6%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 02/01/2019

Eric Marshall REGIONAL ENGINEER

March 22, 2019 as *E.A. ETS*

March 22, 2019 as *Paul P. Chif* ENGINEER OF DESIGN AND ENVIRONMENT

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

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

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

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

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

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ALL EXCAVATED MATERIAL FROM THE MOW STRIP WILL BE INCORPORATED IN THE SOUTHEAST QUADRANT OF THE I-57 AND IL 17 INTERCHANGE.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

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

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ADDITIONAL LEVELING BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 3/16" / FT. (1.5%) CROWN ON SECTIONS OF EXISTING ROADWAYS.

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

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

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

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

COMMITMENTS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442101-09	CLASS B PATCHES
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
637006-04	CONCRETE BARRIER, DOUBLE FACE, 42 in. (1065mm) HEIGHT
638101-02	CONCRETE GLARE SCREEN
667101-02	PERMANENT SURVEY MARKERS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701502-09	URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

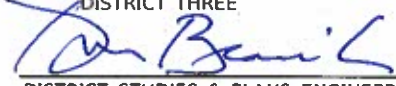
SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

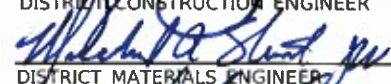
START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: 
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-1-19

EXAMINED BY: 
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

FILE NAME * pwr\IL084EBIDINTEG Illinois.gov\PWDOT\Documents\DOT Office\District 3\Projects\EP03204\CADD\cadd\cadd\sheets\0366\PLAN\ver.dgn	USER NAME = plm1016	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/80,000" = 1 in	CHECKED - _____	REVISED - _____			57	(48-246-3)RS-3 & 1	KANKAKEE	76	2
Default	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____			CONTRACT NO. 66E67				
						ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\a\110846\BID\NTEC\Illinois.gov\PI\DOT\Documents\BIDOT_Offices\BID\rdct_3\Projects\EP03204\CADD\data\CAD\hears\0366667-shr-500.dgn

				CONSTRUCTION CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	127199	127199				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	51	51				
40600535	LEVELING BINDER (HAND METHOD), N70	TON	88	88				
40600990	TEMPORARY RAMP	SQ YD	432	432				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	9331	9331				
40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	14087	14087				
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	15848	15848				
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	8322	8322				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	38047	38047				
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	125777	125777				
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	31333	31333				
44200050	WELDED WIRE REINFORCEMENT	SQ YD	53	53				
44201055	CLASS B PATCHES, TYPE II, 17 INCH	SQ YD	141	141				
44201057	CLASS B PATCHES, TYPE III, 17 INCH	SQ YD	32	32				

USER NAME = pletschtr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	3
PLOT SCALE = 100.0000 ' / in.	CHECKED - _____	REVISED - _____		SCALE: _____			CONTRACT NO. 66E67				
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____		SHEET 1 OF 8 SHEETS STA. _____ TO STA. _____			ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\wulb08a\EBID\NTEC\Illinois.gov\PI\WIDOT\Documents\DOT_Offices\Illindt_3\Projects\LEP03204\CADD\data\CAD\hears\0366667.rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
44201102	CLASS B PATCHES, TYPE II, 20 INCH	SQ YD	88	88				
44201104	CLASS B PATCHES, TYPE III, 20 INCH	SQ YD	21	21				
44201299	DOWEL BARS 1 1/2"	EACH	660	660				
44213200	SAW CUTS	FOOT	1504	1504				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1561	1561				
50102400	CONCRETE REMOVAL	CU YD	41.4		16	16	4.8	4.6
50157300	PROTECTIVE SHIELD	SQ YD	600		300	300		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	41.4		15.8	16	4.9	4.7
50300300	PROTECTIVE COAT	SQ YD	175		38.5	38.5	63	35
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6960		2760	2760	720	720
50800515	BAR SPLICERS	EACH	112		48	48	8	8
52000110	PREFORMED JOINT STRIP SEAL	FOOT	409		100	100	104.5	104.5
60260100	INLETS TO BE ADJUSTED	EACH	49	49				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2625	2625				

* SPECIALTY ITEM

	USER NAME = pletschtr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	4
	PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____					CONTRACT NO. 66E67				
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____		SCALE: _____	SHEET 2 OF 8 SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\wulb08\EBID\NTEC\Illinois.gov\PI\WIDOT\Documents\DOT_Offices\Dir\drct_3\Projects\LEP03204\CADD\data\CAD\heest\0366E67.rht-500.dgn

				CONSTRUCTION CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
*	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	800	800			
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	5			
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	13	13			
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	11	11			
	63200310	GUARDRAIL REMOVAL	FOOT	3619	3619			
	63500105	DELINEATORS	EACH	122	122			
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	80811	80811			
*	64401100	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	12673	12673			
*	64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	14	14			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10			
	67100100	MOBILIZATION	L SUM	1	1			
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4			
	70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1			
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			

* SPECIALTY ITEM

	USER NAME = pletschtr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	5
	PLOT DATE = 2/1/2019	CHECKED - _____	REVISED - _____		SCALE: _____ SHEET 3 OF 8 SHEETS STA. _____ TO STA. _____			CONTRACT NO. 66E67				
		DATE - _____	REVISED - _____					ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\a\110848\BID\NTEC\Illinois.gov\PI\DOT\Documents\DOT_Offices\Illindt 3\Projects\EP03204\CADDdata\CAD\heestD366f67.rpt-S00.dgn

CODE NO. ITEM UNIT TOTAL QUANTITY				CONSTRUCTION CODE				
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
*	78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	11130	11130			
*	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	84	84			
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	91656	91656			
*	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	304	304			
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	87	87			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	913	913			
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	38	38			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	913	913			
*	X0325231	CABLE GUARD MARKER	EACH	282	282			
	X0325667	WEED CONTROL MOWING STRIP (SPECIAL)	SQ YD	5944	5944			
	X0326208	ALTERNATE ROUTE SIGNING	L SUM	1	1			
	X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	20		6	6	4
	X0326880	MESSAGE BOARD VEHICLE DRIVER	HOOR	250	250			
	X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	2	2			

* SPECIALTY ITEM

USER NAME = pletschtr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	7
PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____		SCALE: _____			CONTRACT NO. 66E67				
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____		SHEET 5 OF 8 SHEETS STA. _____ TO STA. _____			ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\a\110848\BID\NTEC\Illinois.gov\PI\DOT\Documents\BIDD\Office\BID\rdct_3\Projects\EP03204\CAD\data\CAD\heest\0366E67.rpt-S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	39715	39715				
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	4	4				
X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	5	5				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15	15				
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	4	4				
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1	1				
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	120	120				
* X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	84	84				
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	91656	91656				
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	11130	11130				
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	256	256				
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	87	87				
X9700001	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL WEEK	50	50				
X9700012	REAL-TIME TRAFFIC CONTROL SYSTEM	WEEK	50	50				

* SPECIALTY ITEM

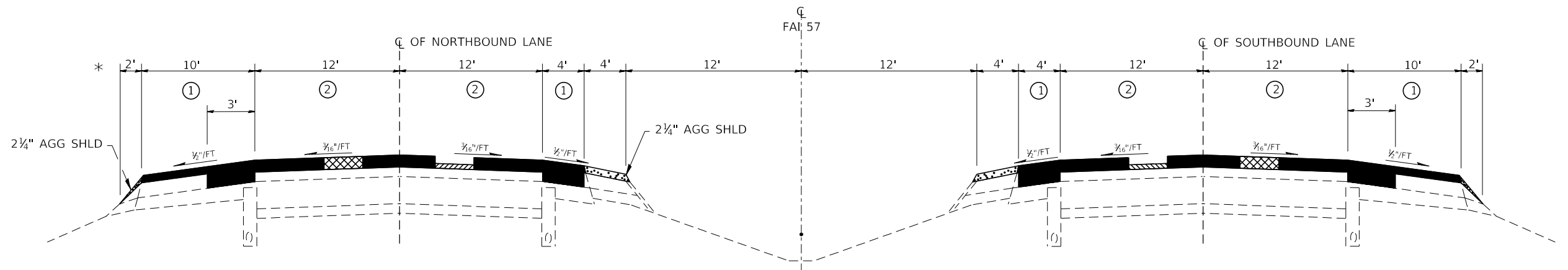
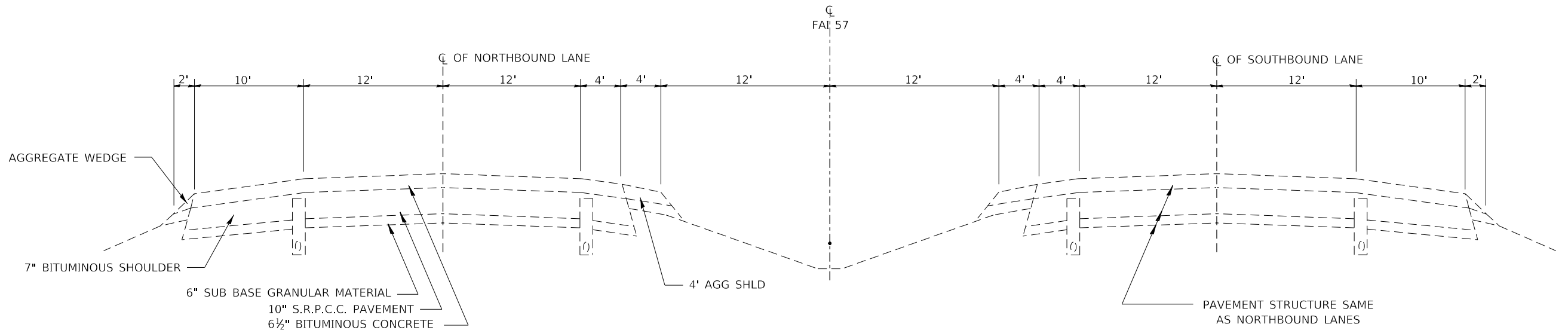
	USER NAME = pletschr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	8
	PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____		SCALE: _____			SHEET 6 OF 8 SHEETS			CONTRACT NO. 66E67	
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____		STA. _____ TO STA. _____			ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\wulb08\EBID\NTEC\Illinois.gov\PI\DOT\Documents\DOT_Offices\Dir\drct_3\Projects\LEP03204\CADD\data\CAD\heest\0366f67-zh-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE	90% FED 10% STATE BRIDGE
				0004	0047	0047	0047	0047
				URBAN	S.N. 046-0006	S.N. 046-0007	S.N. 046-0012	S.N. 046-0013
X9700013	REAL-TIME TRAFFIC CONTROL SENSOR UNIT	WEEK	200	200				
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	8		8			
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2		1.1		0.3	0.6
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	1273	1273				
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	626				421	205
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	13.6		5.5	5.5	2.6	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	16		1.5	1.5	13	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	54.2		10	10	23.3	10.9
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	40285	40285				
Z0034105	MATERIAL TRANSFER DEVICE	TON	47588	47588				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
Ø Z0076600	TRAINEES	HOURL	2000	2000				
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	5				4	1
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	2000	2000				

Ø 0042

	USER NAME = pletschtr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	9
	PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____					CONTRACT NO. 66E67				
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____		SCALE: _____	SHEET 7 OF 8 SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT				



- ① MILL 6" FROM THE INNER 4' OF THE INSIDE AND THE INNER 3' OF THE OUTSIDE SHOULDER
REPLACE WITH 4" OF HMA BINDER N70 IL-19.0
AND 2" OF HMA SURFACE N70 IL-9.5 MIX C
- THEN REMOVE AND REPLACE 2" FROM ENTIRE WIDTH OF BOTH SHOULDERS AFTER FINAL SURFACE REPLACEMENT

- ② PROPOSED HMA SURFACE REMOVAL 4¼"
PROPOSED 2" HMA SURFACE COURSE N80 SMA IL-12.5
PROPOSED 2¼" HMA BINDER COURSE N90 POLY IL-19.0

* NOTE: MATCH EXISTING SUPER ELEVATIONS

NOTE: LONGITUDINAL JOINT SEALANT WILL ONLY BE PLACED ON THE CENTERLINE UNDER THE SURFACE LIFT

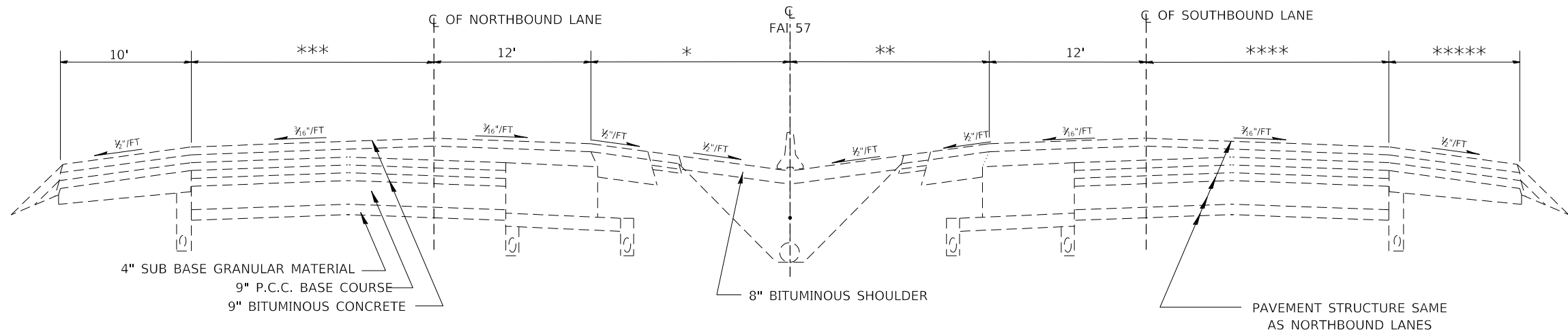
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	11
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

SCALE: _____ SHEET 2 OF 7 SHEETS STA. _____ TO STA. _____

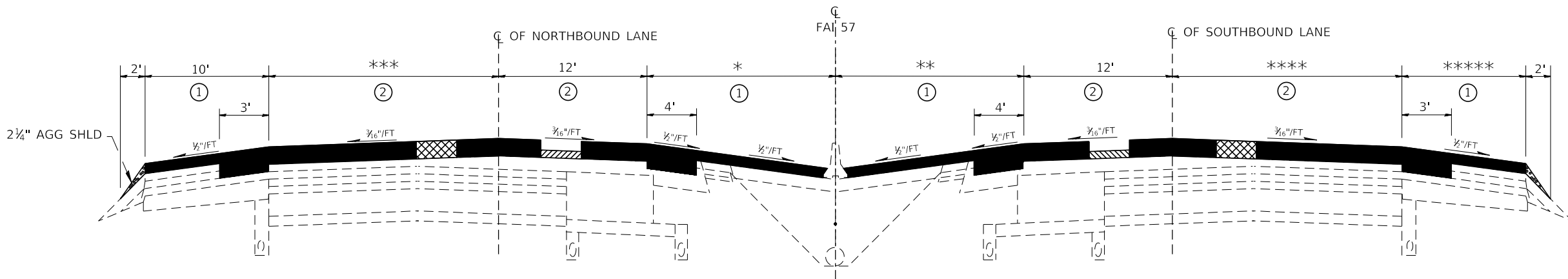




EXISTING TYPICAL SECTION NO. 4

STA 177+65 TO STA 182+95

- * STA. 177+65 - STA. 182+95 20' - 8'
- ** STA. 177+65 - STA. 179+22 20' - 17.96'
STA. 179+22 - STA. 182+95 17.96' - 12.99'
- *** STA. 177+65 - STA. 182+95 12.3' - 22.9'
- **** STA. 177+65 - STA. 182+30 13.31' - 49.14'
STA. 182+30 - STA. 182+95 12'
- ***** STA. 177+65 - STA. 182+30 8'
STA. 182+30 - STA. 182+95 10'



PROPOSED TYPICAL SECTION NO. 4

STA 177+65 TO STA 182+95

- * STA. 177+65 - STA. 182+95 20' - 8'
- ** STA. 177+65 - STA. 179+22 20' - 17.96'
STA. 179+22 - STA. 182+95 17.96' - 12.99'
- *** STA. 177+65 - STA. 182+95 12.3' - 22.9'
- **** SEE RAMP TYPICALS FOR LOCATIONS OUTSIDE
OF SOUTH BOUND 12' DRIVING LANE
- ***** SEE RAMP TYPICAL FOR LOCATIONS OUTSIDE
OF SOUTH BOUND 10' SHOULDER

NOTE: LONGITUDINAL JOINT SEALANT WILL ONLY BE PLACED ON THE CENTERLINE UNDER THE SURFACE LIFT

- ① MILL 6" FROM THE INNER 4' OF THE INSIDE AND THE INNER 3' OF THE OUTSIDE SHOULDER
REPLACE WITH 4" OF HMA BINDER N70 IL-19.0 AND 2" OF HMA SURFACE N70 IL-9.5 MIX C

THEN REMOVE AND REPLACE 2" FROM ENTIRE WIDTH OF BOTH SHOULDERS AFTER FINAL SURFACE REPLACEMENT
- ② PROPOSED HMA SURFACE REMOVAL 4 1/4"
PROPOSED 2" HMA SURFACE COURSE N80 SMA IL-12.5
PROPOSED 2 1/4" HMA BINDER COURSE N90 POLY IL-19.0
- * NOTE: MATCH EXISTING SUPER ELEVATIONS

MODEL: Default
FILE: \\nrcs-pw\ulb084\BID\NTEC\Illinois.gov\PHWDOT\Documents\1\DOT_Offices\Illindct_3\Projects\LEP03204\CADD\data\CAD\heest03\xxxxx-shl-by-pkcal.dgn

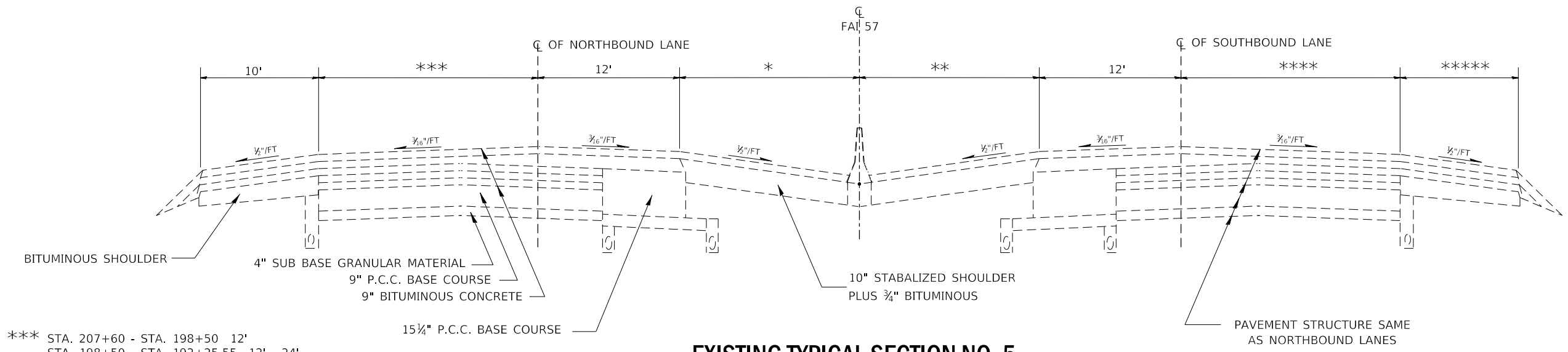
USER NAME = carpenterd\j	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: _____ SHEET 4 OF 7 SHEETS STA. _____ TO STA. _____

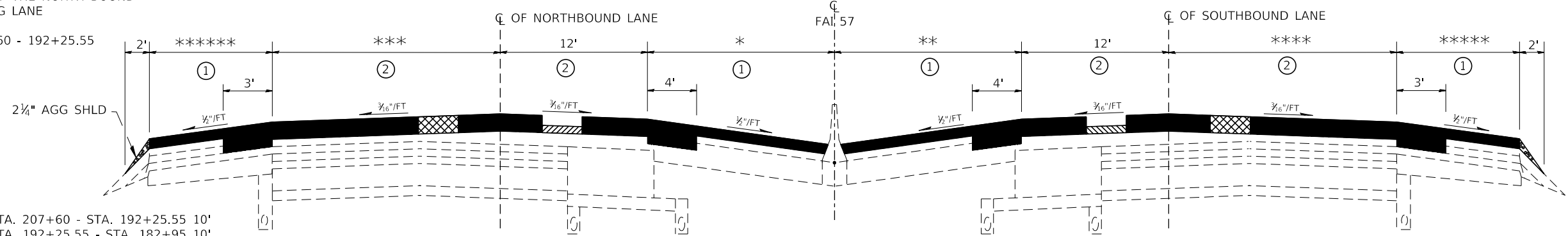
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	13
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION NO. 5
STA. 182+95 TO STA. 207+60

BRIDGE OMISSION 189+60.23 TO 192+23.95
(SN 046-0006 AND 046-0007)

- *** STA. 207+60 - STA. 198+50 12'
STA. 198+50 - STA. 192+25.55 12' - 24'
STA. 192+25.55 - STA. 189+59.46 STRUCTURE
STA. 189+59.46 - STA. 183+50 24'
STA. 183+50 - STA. 182+95 24' - 22.9'
- *** STA. 207+60 - STA. 192+25.55 12'
STA. 192+25.55 - STA. 189+59.46 STRUCTURE
STA. 189+59.46 - STA. 183+50 24'
STA. 183+50 - STA. 182+95 24' - 22.9'
SEE RAMP TYPICALS FOR LOCATIONS
OUTSIDE OF THE NORTH BOUND
12' DRIVING LANE
FOR
STA. 207+60 - 192+25.55
- * STA. 189+59 - STA. 182+95 8'
STA. 203+97.89 - STA. 198+50 20' - 12.54'
STA. 198+50 - STA. 189+59 12.54' - 8'
* STA. 207+60 - STA. 203+97.89 16.95' - 20'
- ** STA. 186+00 - STA. 182+95 8.25' - 12.99'
STA. 192+24.64 - STA. 186+00 8' - 8.25'
** STA. 207+60 - STA. 192+24.64 8'
- *** STA. 207+60 - STA. 203+97.89 21.05' - 24'
STA. 203+97.89 - STA. 192+24.64 24'
STA. 192+24.64 - STA. 189+58.55 STRUCTURE
STA. 189+58.55 - STA. 186+39 24' - 43'
STA. 186+39 - STA. 182+95 12'
- ***** STA. 207+60 - STA. 192+24.64 10'
STA. 192+24.64 - STA. 189+58.55 STRUCTURE
STA. 189+58.55 - STA. 186+39 8'
STA. 186+39 - STA. 182+95 10'



PROPOSED TYPICAL SECTION NO. 5
STA. 182+95 TO STA. 207+60

BRIDGE OMISSION 189+60.23 TO 192+23.95
(SN 046-0006 AND 046-0007)

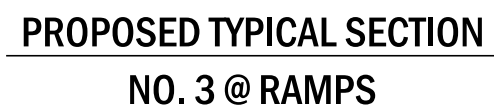
- ① MILL 6" FROM THE INNER 4' OF THE INSIDE AND THE INNER 3' OF THE OUTSIDE SHOULDER
REPLACE WITH 4" OF HMA BINDER N70 IL-19.0 AND 2" OF HMA SURFACE N70 IL-9.5 MIX C

THEN REMOVE AND REPLACE 2" FROM ENTIRE WIDTH OF BOTH SHOULDERS AFTER FINAL SURFACE REPLACEMENT
- ② PROPOSED HMA SURFACE REMOVAL 4 1/4"
PROPOSED 2" HMA SURFACE COURSE N80 SMA IL-12.5
PROPOSED 2 1/4" HMA BINDER COURSE N90 POLY IL-19.0
- * NOTE: MATCH EXISTING SUPER ELEVATIONS
- *** STA. 207+60 - STA. 203+97.89 21.05' - 24'
STA. 203+97.89 - STA. 192+24.64 24'
STA. 192+24.64 - STA. 189+58.55 STRUCTURE
STA. 189+58.55 - STA. 182+95 12'
SEE RAMP TYPICALS FOR LOCATIONS
OUTSIDE OF THE SOUTH BOUND
12' DRIVING LANE FOR
STA. 189+58.55 - STA. 182+95
- ***** STA. 207+60 - STA. 192+24.64 10'
STA. 192+24.64 - STA. 189+58.55 STRUCTURE
STA. 189+58.55 - STA. 182+95 10'
SEE RAMP TYPICALS FOR LOCATIONS
OUTSIDE OF THE SOUTH BOUND
SHOULDER FOR
STA. 189+58.55 - STA. 182+95
- * STA. 189+59 - STA. 182+95 8'
STA. 198+50 - STA. 189+59 12.54' - 8'
STA. 203+97.89 - STA. 198+50 20' - 12.54'
STA. 207+60 - STA. 203+97.89 16.95' - 20'
- ** STA. 186+00 - STA. 182+95 8.25' - 12.99'
STA. 192+24.64 - STA. 186+00 8' - 8.25'
STA. 207+60 - STA. 192+24.64 8'

NOTE: LONGITUDINAL JOINT SEALANT WILL ONLY BE PLACED ON THE CENTERLINE UNDER THE SURFACE LIFT

MODEL: Default
FILE: \\mnpa\paw\ulb08\BID\INTC\Illinois.gov\PIWDOT\Documents\BIDDOT_Offices\BID\rdct_3\Projects\LEP03204\CAD\data\CAD\heers\03xxxxx-shl-by-pkaldn

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE: _____ SHEET 5 OF 7 SHEETS STA. _____ TO STA. _____		57	(46-2,46-3)RS-3 & I	KANKAKEE	76	14
			CONTRACT NO. 66E67				
			ILLINOIS FED. AID PROJECT				
USER NAME = carpenterd		DESIGNED - _____	REVISED - _____				
DRAWN - _____		REVISD - _____	REVISED - _____				
PLOT SCALE = 100,0000 ' / in.		CHECKED - _____	REVISED - _____				
PLOT DATE = 2/1/2019		DATE - _____	REVISED - _____				



- STA. 22+65 - STA. 16+77 NO. 1 (0',14',8')
STA. 16+77 - STA. 16+15 NO. 3 (0',14'-25',8')
STA. 16+15 - STA. 12+79 NO. 3 (4',25',8')
STA. 12+79 - STA. 12+32 NO. 3 (4',25'-14',8')
STA. 12+32 - STA. 11+20 NO. 2 (4',14',8')
STA. 11+20 - STA. 6+66 NO. 2 (0',14'-12',8')
GORE AREA
STA. 196+78 - STA. 192+25.55 (15'-0')

MAINLINE SCHEDULE																		
LOCATION					LENGTH	HMA SURF REM 2"	HMA SURF REM 4 1/4"	HMA SURF REM 6"	2 1/4" BINDER MAINLINE N90 POLY IL-19.0	4" BINDER SHOULDER N70 IL-19.0	2" SURFACE MAINLINE, MIX N80 SMA IL-12.5	2" SURFACE SHLDR, MIX "C" N70 IL-9.5	LONG JOINT SEALANT	BIT MATL'S (TACK COAT)	TEMP RAMP	MIX CRACKS JTS & FLGWYS	LEVEL BIND (HM)	RUMBLE STRIP 16"
					FT	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	FOOT	POUND	SQ YD	TON	TON	FT
NORTHBOUND			240+00	207+60.	3240.00	3060.0	8640.0	2520.0	1088.6	564.5	967.7	504.0	3240.0	9234.0	24.0	4.1	7.0	6480.0
			207+60.	192+23.95	1536.05	1450.7	4096.1	1194.7	516.1	267.6	458.8	238.9	1536.1	4377.7	24.0	1.9	3.3	3072.1
	Gap (SN 006-0006)	IL 17	192+23.95	189+60.23	263.72													
			189+60.23	182+95.	665.23	628.3	1773.9	517.4	223.5	115.9	198.7	103.5	665.2	1895.9	24.0	0.8	1.4	1330.5
			185+95.	177+65.	830.00	783.9	2213.3	645.6	278.9	144.6	247.9	129.1	830.0	2365.5		1.1	1.8	1660.0
			177+65.	145+01.86	3263.14	3081.9	8701.7	2538.0	1096.4	568.5	974.6	507.6	3263.1	9299.9	24.0	4.1	7.1	6526.3
	Gap (SN 006-0008)	RR	145+01.86	142+42.19	259.67													
			142+42.19	139+51.04	291.15	275.0	776.4	226.5	97.8	50.7	87.0	45.3	291.2	829.8	24.0	0.4	0.6	582.3
	Gap (SN 006-0010)	GRINELL RD	139+51.04	138+30.88	120.16													
			138+30.88	107+65.25	3065.63	2895.3	8175.0	2384.4	1030.1	534.1	915.6	476.9	3065.6	8737.0	24.0	3.9	6.6	6131.3
	STA EQ 201+96.53BK 107+65.25AH																	
			201+96.53	214+58.5	1261.97	1191.9	3365.3	981.5	424.0	219.9	376.9	196.3	1262.0	3596.6	24.0	1.6	2.7	2523.9
	Gap (SN 006-0013)	SOLDIER CREEK	214+58.5	215+29.5	71.00													
			215+29.5	228+35.17	1305.67	1233.1	3481.8	1015.5	438.7	227.5	390.0	203.1	1305.7	3721.2	24.0	1.7	2.8	2611.3
			228+35.17	273+13.	4477.83	4229.1	11940.9	3482.8	1504.6	780.1	1337.4	696.6	4477.8	12761.8		5.7	9.7	8955.7
			273+13.	276+69.	356.00	336.2	949.3	276.9	119.6	62.0	106.3	55.4	356.0	1014.6	24.0	0.5	0.8	712.0
SOUTHBOUND			276+69	273+13.	356.00	336.2	949.3	276.9	119.6	62.0	106.3	55.4	356.0	1014.6	24.0	0.5	0.8	712.0
			273+13.	228+35.17	4477.83	4229.1	11940.9	3482.8	1504.6	780.1	1337.4	696.6	4477.8	12761.8		5.7	9.7	8955.7
			228+35.17	215+29.5	1305.67	1233.1	3481.8	1015.5	438.7	227.5	390.0	203.1	1305.7	3721.2	24.0	1.7	2.8	2611.3
	Gap (SN 046-0012)	SOLDIER CREEK	215+29.5	214+58.5	71.00													
			214+58.5	201+96.53	1261.97	1191.9	3365.3	981.5	424.0	219.9	376.9	196.3	1262.0	3596.6	24.0	1.6	2.7	2523.9
	STA EQ 201+96.53BK 107+65.25AH																	
			107+65.25	138+30.88	3065.63	2895.3	8175.0	2384.4	1030.1	534.1	915.6	476.9	3065.6	8737.0	24.0	3.9	6.6	6131.3
	Gap (SN 046-0011)	GRINELL RD	138+30.88	139+51.04	120.16											0.2	0.3	240.3
			139+51.04	142+42.19	291.15	275.0	776.4	226.5	97.8	50.7	87.0	45.3	291.2	829.8	24.0	0.4	0.6	582.3
	Gap (SN 046-0009)	RR	142+42.19	145+01.86	259.67													
			145+01.86	177+65.	3263.14	3081.9	8701.7	2538.0	1096.4	568.5	974.6	507.6	3263.1	9299.9	24.0	4.1	7.1	6526.3
			177+65.	182+95.	530.00	500.6	1413.3	412.2	178.1	92.3	158.3	82.4	530.0	1510.5		0.7	1.1	1060.0
			182+95.	189+60.23	665.23	628.3	1773.9	517.4	223.5	115.9	198.7	103.5	665.2	1895.9	24.0	0.8	1.4	1330.5
	Gap (SN 046-0007)	IL 17	189+60.23	192+23.95	263.72													
			192+23.95	207+60.	1536.05	1450.7	4096.1	1194.7	516.1	267.6	458.8	238.9	1536.1	4377.7	24.0	1.9	3.3	3072.1
			207+60.	240+00.	3240.00	3060.0	8640.0	2520.0	1088.6	564.5	967.7	504.0	3240.0	9234.0	24.0	4.1	7.0	6480.0
TOTALS						38047	107428	31333	13536	7019	12032	6267	40285	114813	432	51	88	80811

RAMP RESURFACING							
LOCATION		BIT MATL'S (TACK COAT)	2" SURFACE MAINLINE, MIX N80 SMA IL-12.5	2" SURFACE SHLDR, MIX "C" N70 IL-9.5	2 1/4" BINDER MAINLINE N90 POLY IL-19.0	2 1/4" BINDER SHOULDER N70 IL-19.0	HMA SURF REM 4 1/4"
	LENGTH						
	FEET	POUNDS	TONS	TONS	TONS	TONS	SQ YD
SB ON RAMP	950	2101.88	348.76	348.76	392.35	392.35	3113.89
SB OFF RAMP	1700	3060.00	507.73	507.73	571.20	571.20	4533.33
NB OFF RAMP	1985	3573.00	592.85	592.85	666.96	666.96	5293.33
NB ON RAMP	1650	3650.63	605.73	605.73	681.45	681.45	5408.33
TOTALS		12386	2055	2055	2312	2312	18349

PATCHING SCHEDULE SOUTHBOUND LANES											
LOCATION BY LOG MILE*	PASSING LANE					DRIVING LANE					
	PATCH LENGTH	CLASS B PATCHING TYPE II 17"	WELDED WIRE REINFORCEMENT	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING		WELDED WIRE REINFORCEMENT	DOWEL BARS	SAW CUTS
							TYPE II 17"	TYPE III 17"			
	(FT)	SQ YD	SQ YD	EACH	FOOT	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT
0.9	6	8		22	48						
1.1						6	8			22	48
1.1	SN 038-0012					SN 038-0012					
1.3											
1.8											
2.0	SN 038-0011					SN 038-0011					
2.0	SN 038-0009					SN 038-0009					
2.1											
2.2											
2.8											
2.8											
2.8											
2.9											
2.9	SN 038-0007					SN 038-0007					
3.0	6	8		22	48						
3.3 (AUX LANE)						6	8			22	48
3.3 (AUX LANE)						8	11			22	52
3.3	6	8		22	48	6	8			22	48
3.4	6	8		22	48						
3.5	10	13		22	56						
3.5						12		16	16	22	60
3.5	SN 038-0005					SN 038-0005					
3.5	6	8		22	48						
3.5	6	8		22	48						
3.8	SN 038-0080					SN 038-0080					
SB TOTALS	46	61		154	344	38	35	16	16	110	256

*LOG MILE 0.0 = CONCRETE AT NORTH END OF JOB

PATCHING SCHEDULE SOUTHBOUND LANES								
LOCATION BY LOG MILE*	PASSING LANE				DRIVING LANE			
	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	DOWEL BARS	SAW CUTS
0.9								
1.1								
1.1	SN 038-0012				SN 038-0012			
1.3	6	8	22	48				
1.8					6	8	22	48
2.0	SN 038-0011				SN 038-0011			
2.0	SN 038-0009				SN 038-0009			
2.1					6	8	22	48
2.2	6	8	22	48				
2.8					6	8	22	48
2.8					6	8	22	48
2.8	6	8	22	48				
2.9	6	8	22	48				
2.9	SN 038-0007				SN 038-0007			
3.0								
3.3 (AUX LANE)								
3.3 (AUX LANE)								
3.3								
3.4								
3.5								
3.5								
3.5	SN 038-0005				SN 038-0005			
3.5								
3.5								
3.8	SN 038-0080				SN 038-0080			
SB TOTALS	24	32	88	192	24	32	88	192

*LOG MILE 0.0 = CONCRETE AT NORTH END OF JOB

PATCHING SCHEDULE NORTHBOUND LANES										
LOCATION BY LOG MILE*	PASSING LANE				DRIVING LANE					
	PATCH LENGTH	CLASS B PATCHING TYPE II 17"	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING TYPE II 17"	CLASS B PATCHING TYPE III 17"	WELDED WIRE REINFORCEMENT	DOWEL BARS	SAW CUTS
	(FT)	SQ YD	EACH	FOOT	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT
0.1	SN 038-0080				SN 038-0080					
0.4	SN 038-0005				SN 038-0005					
0.9	SN 038-0006				SN 038-0006					
1.1										
1.7										
1.8	SN 038-0008				SN 038-0008					
1.9	SN 038-0010				SN 038-0010					
2.7										
2.7	SN 038-0013				SN 038-0013					
2.9					12		16	16	22	60
3.1	6	8	22	48						
3.2					10	13			22	56
3.3					6	8			22	48
3.4					6	8			22	48
3.4	6	8	22	48						
NB TOTALS	12	16	44	96	34	29	16	16	88	212

*LOG MILE 0.0 = STA 240+00 AT SOUTH END OF JOB

PATCHING SCHEDULE NORTHBOUND LANES											
LOCATION BY LOG MILE*	PASSING LANE					DRIVING LANE					
	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	WELDED WIRE REINFORCEMENT	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	CLASS B PATCHING TYPE III 20"	WELDED WIRE REINFORCEMENT	DOWEL BARS	SAW CUTS
	(FT)	SQ YD	SQ YD	EACH	FOOT	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT
0.1	SN 038-0080					SN 038-0080					
0.4	SN 038-0005					SN 038-0005					
0.9	SN 038-0006					SN 038-0006					
1.1						16		21	21	22	68
1.7						6	8			22	48
1.8	SN 038-0008					SN 038-0008					
1.9	SN 038-0010					SN 038-0010					
2.7	6	8		22	48						
2.7	SN 038-0013					SN 038-0013					
2.9											
3.1											
3.2											
3.3											
3.4											
3.4	6	8		22	48						
NB TOTALS	12	16		44	96	22	8	21	21	44	116

*LOG MILE 0.0 = STA 240+00 AT SOUTH END OF JOB

ROUTE: I-57		LOCATION: N OF KANKAKEE RIVER BRIDGE TO S IL 50 INTCHG IN BOURBONNAIS			KANKAKEE COUNTY
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 KNOWN LAND SURVEY OR CENTERLINE CONTROL MONUMENTS LOCATED ON THE ROAD SURFACE. UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY MONUMENT SUBJECT TO DAMAGE OR DESTRUCTION FROM RESURFACING WORK, AND INFORM THEM TO RESET THESE MONUMENTS UPON JOB COMPLETION. NO MONUMENT RECORDS WILL BE REQUIRED FOR THIS JOB.					

APPROACH SLAB REPAIR	
SN 046-0006	
SOUTH APPROACH FULL DEPTH	NORTH APPROACH PARTIAL DEPTH
6' X 12' / 9 = 8.0 SQ YD	5' X 2' / 9 = 1.1 SQ YD

GUARDRAIL										
	DL ,PL MED*	TERM MRK, DA	TBT TY 1 SP (TANG)	SPBGR TY A 6' POSTS (FOOT)	SPBGR TY A 9' POSTS (FOOT)	TBT TY 6 (EACH)	TBT TY2	GR REFL, TY A	HMA STAB SPBGR	GR REMOVAL
STA TO STA		EA	EA	FT	FT	EA	EA	EA	SQ YD	FOOT
NORTHBOUND										
START OF BARRIER WALL (+/- 1500' N OF KANKAKEE RIVER)	MED	1	1					0		50
WALDRON RD/MAPLE ST OVERPASS (SN 046-0080) SOUTH	DL	1	1	187.5		1		3	100	212.5
SN 046-0006 (I-57 OVER IL 17) SOUTH	DL	1	1	350		1		5	154	425
SN 046-0006 (I-57 OVER IL 17) NORTH	DL				287.5	1	1	0	37	325
SN 046-0013 (I-57 OVER SOLDIER CREEK) SOUTH	DL	1	1	300		1		4	137	375
SN 046-0013 (I-57 OVER SOLDIER CREEK) SOUTH	PL	1	1	250		1		4	121	325
SN 046-0013 (I-57 OVER SOLDIER CREEK) NORTH	DL					1	1	0	8	25
START OF BARRIER WALL (+/- 400' S OF START OF PROJECT)	MED	1	1					0		12.5
NORTHBOUND SUBTOTAL		6	6	1088	288	6	2	16	558	1750
SOUTHBOUND										
SN 046-0012 (I-57 OVER SOLDIER CREEK) NORTH	DL	1	1	287.5		1		4	133	362.5
SN 046-0012 (I-57 OVER SOLDIER CREEK) NORTH	PL	1	1	287.5		1		4	133	362.5
SN 046-0012 (I-57 OVER SOLDIER CREEK) SOUTH	DL					1	1	0	8	25
START OF BARRIER WALL NORTH OF IL 17 INTERCHANGE	MED	1	1					0	17	50
SN 046-0007 (I-57 OVER IL 17) NORTH	DL	1	1	262.5		1		4	125	337.5
SN 046-0007 (I-57 OVER IL 17) SOUTH	DL			512.5	512.5	1	1	7	208	550
SN 046-0005 (RR OVER I-57) NORTH	DL	1	1	187.5		1		3		137.5
WALDRON RD/MAPLE ST OVERPASS (SN 046-0080) SOUTH	DL					1	1	0		50
SOUTHBOUND SUBTOTAL		5	5	1538	513	7	3	22	624	1875
GRAND TOTAL		11	11	2625	800	13	5	38	1182	3625

*FURNISHED EX NEEDED BEHIND NEW HMA SHOULDER. INCORPORATE WITH MATERIAL EXCAVATED FROM CORING HMA SHLD

HIGH TENSION MEDIAN CABLE BARRIER SCHEDULE					
LOCATION	HIGH TENSION CABLE MEDIAN BARRIER	CABLE GUARD MARKERS	TERMINAL MARKER POST MOUNTED	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	WEED CONTROL MOWING STRIP (SPECIAL)
	FOOT	EACH	EACH	EACH	SQ YD
STA. 272+90 TO 242+89	2901	64	2	2	1333.8
241+69 TO 218+85	2184	49	2	2	1015.1
STA 214+50 TO 202+46.51	1103	25	2	2	534.9
STA EQ 202+46.51BK TO 107+15.26AH					
STA. 107+15.26 TO 134+50	2635	59	2	2	1215.4
STA 145+10 TO 164+70	1960	44	2	2	915.6
STA 165+90 TO 177+80	1090	24	2	2	528.9
244+00 TO 253+00	800	18	2	2	400
TOTAL	12673	282	14	14	5944

PLACE ON INSIDE SOUTHBOUND SHOULDER

DELINEATORS	
LOCATION	DELINEATORS
STATION	EACH
NORTHBOUND	
240+00 TO 192+24	3
IL 17 OFF RAMP	10
IL 17 ON RAMP	15
189+60 TO 107+65	16
STA EQ 201+96.53BK 107+65.25AH	
201+97 TO 214+59	3
215+30 TO 276+69	16
SOUTHBOUND	
276+69 TO 215+30	15
214+59 TO 201+97	4
STA EQ 201+96.53BK 107+65.25AH	
107+65 TO 189+60	16
IL 17 OFF RAMP	8
IL 17 ON RAMP	12
192+24 TO 240+00	4
TOTAL	122

STAGING SCHEDULE										
STRUCTURE / LOCATION		STAGE	TEMP CONC BARRIER	RELOCATE TEMP CONC BARRIER	IMPACT ATTEN TEMP (NON REDIRECT) TEST LEVEL 3	IMPACT ATTEN TEMP RELOCATE(NON REDIRECT) TEST LEVEL 3	PINNING TEMP CONC BARRIER	TEMP PAVT MRK - 4" TAPE	SHRT TRM PAVT MRK REM	PAVT MARK REM - WATER BLAST
			FOOT		EACH	EACH	EACH	FOOT	SQ FT	SQ FT
SN 006-0006/0007	IL 17	STAGE 1	975		2		12	4619	1538	1046
		STAGE 2	475	975		2	24	4519	1505	512
		STAGE 3		975		2	12	2578	858	
SN 006-0012/0013	SOLDIER CREEK	STAGE 1	675		2		12	STD 701402	STD 701402	STD 701402
		STAGE 2		675		2	12	STD 701402	STD 701402	STD 701402
TOTAL			2125	2625	4	6	72	11716	3901	1558

AGG SHOULDER TY B						
LOCATION NORTHBOUND				LENGTH	AGG SHLD TY B	
				FT	TON	
OUTSIDE SHOULDER			240+00	235+00.	500.00	14
			215+00.	206+50.	850.00	25
			206+50.	196+75.	975.00	28
	Gap (SN 006-0006)	IL 17	192+23.95	189+60.23		
			186+50.	154+45.	3205.00	92
	Gap (SN 006-0008)	RR	145+01.86	142+42.19		
	Gap (SN 006-0010)	GRINNELL RD	139+51.04	138+30.88		
			133+66.	107+65.25	2600.75	75
	STA EQ 201+96.53BK 107+65.25AH					
			201+96.53	211+31.62	935.09	27
	Gap (SN 006-0013)	SOLDIER CREEK	214+58.5	215+29.5		
			215+87.37	271+94.	5606.63	162
			271+94.	276+69.	475.00	21
INSIDE SHOULDER			177+65	148+85.	2880.00	83
			133+66.	107+65.25	2600.75	75
	STA EQ 201+96.53BK 107+65.25AH					
			201+96.53	210+95.02	898.49	26
	Gap (SN 046-0012)	SOLDIER CREEK	210+95.02	215+35.77		
			215+35.77	271+00.	5564.23	161
			271+00.	271+94.	94.00	5
TOTALS						794

AGG SHOULDER TY B						
LOCATION SOUTHBOUND				LENGTH	AGG SHLD TY B	
				FT	TON	
OUTSIDE SHOULDER			276+69	271+94.	475.00	21
			271+94.	218+74.	5320.00	153
	Gap (SN 046-0012)	SOLDIER CREEK	218+74.	213+96.95		
			213+96.95	201+96.53	1200.42	35
	STA EQ 201+96.53BK 107+65.25AH					
			107+65.25	133+56.	2590.75	75
	Gap (SN 046-0011)	GRINNELL RD	133+56.	134+76.16		
	Gap (SN 046-0009)	RR	151+75.33	154+35.		
			154+35.	182+27.	2792.00	81
			182+27.	186+25.	398.00	11
	Gap (SN 006-0007)	IL 17	186+25.	197+50.		
			197+50.	208+00.	1050.00	30
	Gap (SN 046-0080)	WALDRON RD	208+00.	232+00.		
			232+00.	240+00.	800.00	23
INSIDE SHOULDER			272+05	271+94.	11.00	0
			271+94.	271+00.	94.00	5
			271+00.	218+58.	5242.00	151
	Gap (SN 046-0012)	SOLDIER CREEK	218+58.	214+56.		
			214+56.	201+96.53	1259.47	36
	STA EQ 201+96.53BK 107+65.25AH					
			107+65.25	134+50.	2684.75	77
	Gap (SN 046-0011)	GRINNELL RD	134+50.	135+70.16		
	Gap (SN 046-0009)	RR	151+75.33	154+35.		
			154+35.	177+65.	2330.00	67
TOTALS						767

RAMP PAVEMENT MARKING										
LOCATION	POLYUREA PVMT MARKING TY 1					GROOVING FOR RECESSED PAVT MKG		RAISED REFLECTIVE PAVEMENT MARKERS		
	4"		8"	24"	L&S					
	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	WHITE SQ FT	25" FOOT	L&S SQ FT	CRYSTAL EACH	AMBER EACH	RED EACH
NORTHBOUND OFF RAMP	2275	1400	108	43		43		80	24	104
NORTHBOUND ON RAMP	2180	975								
SOUTHBOUND OFF RAMP	1972	752	100	44	84	44	84	61	13	74
SOUTHBOUND ON RAMP	1255	554								
TOTAL	7682	3681	208	87	84	87	84	141	37	178

FOR TEMPORARY PAVEMENT MARKING QUANTITIES, SEE TEMPORARY PAVEMENT MARKING SCHEDULE.

PAVEMENT MARKING															
LOCATION					DESCRIPTION	LENGTH	POLYUREA PVMT MARKING TY 1		PREFORMED PL PVMT MARK TYP B	GROOVING FOR RECESSED PVMT MARKING			RAISED REF PVMT MARK REM EACH	RAISED REF PVMT MARK EACH	
							4 INCH		8 INCH	6 INCH	5 INCH	7 INCH			9 INCH
							WHITE	YELLOW	WHITE	WHITE					
						FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			
NORTHBOUND			240+00	211+90.	EDGE & CL	2810.00	2810.00	2810.00		710	2810	710		35.5	35.5
			211+90.	192+23.95	EDGE & CL	1966.05	626	1966		520	1296.05	520		26	26
	Gap (SN 006-0006)	IL 17	192+23.95	189+60.23	EDGE & CL	263.72	263.72	263.72		140	263.72	140		7	7
			189+60.23	145+01.86	EDGE & CL	4458.37	4458.37	4458.37		1420	4458.37	1420		71	71
	Gap (SN 006-0008)	RR	145+01.86	142+42.19	EDGE & CL	259.67	259.67	259.67		60	259.67	60		3	3
			142+42.19	139+51.04	EDGE & CL	291.15	291.15	291.15		70	291.15	70		3.5	3.5
	Gap (SN 006-0010)	GRINELL RD	139+51.04	138+30.88	EDGE & CL	120.16	120.16	120.16		30	120.16	30		1.5	1.5
			138+30.88	107+65.25	EDGE & CL	3065.63	3065.63	3065.63		770	3065.63	770		38.5	38.5
	STA EQ 201+96.53BK 107+65.25AH											0			
			201+96.53	214+58.5	EDGE & CL	1261.97	1261.97	1261.97		320	1261.97	320		16	16
Gap (SN 006-0013)	SOLDIER CREEK	214+58.5	215+29.5	EDGE & CL	71.00	71.00	71.00		20	71	20		1	1	
		215+29.5	276+69.	EDGE & CL	6139.50	6139.50	6139.50		1540	6139.5	1540		77	77	
NORTHBOUND SUBTOTAL							19367	20707	0	5600	20037	5600	0	280	280
SOUTHBOUND			276+69	215+29.5	EDGE & CL	6139.50	6139.50	6139.50		1540	6139.5	1540		77	77
	Gap (SN 046-0012)	SOLDIER CREEK	215+29.5	214+58.5	EDGE & CL	71.00	71.00	71.00		20	71	20		1	1
			214+58.5	201+96.53	EDGE & CL	1261.97	1261.97	1261.97		320	1261.97	320		16	16
	STA EQ 201+96.53BK 107+65.25AH											0			
			107+65.25	138+30.88	EDGE & CL	3065.63	3065.63	3065.63		770	3065.63	770		38.5	38.5
	Gap (SN 046-0011)	GRINELL RD	138+30.88	139+51.04	EDGE & CL	120.16	120.16	120.16		30	120.16	30		1.5	1.5
			139+51.04	142+42.19	EDGE & CL	291.15	291.15	291.15		70	291.15	70		3.5	3.5
	Gap (SN 046-0009)	RR	142+42.19	145+01.86	EDGE & CL	259.67	259.67	259.67		60	259.67	60		3	3
			145+01.86	174+82.	EDGE & CL	2980.14	2980.14	2980.14		750	2980.14	750		37.5	37.5
			174+82.	189+60.23	EDGE & CL	1478.23	282	1478.23		370	880.115	370		18.5	18.5
Gap (SN 046-0007)	IL 17	189+60.23	192+23.95		263.72	263.72	263.72	96	100	263.72	100	48	5	5	
		192+23.95	240+00.		4776.05	4776.05	4776.05		1500	4776.05	1500		75	75	
SOUTHBOUND SUBTOTAL							19511	20707	96	5530	20109	5530	48	277	277
TOTAL							80293		96	11130	40146	11130	48	557	557

NOTE: OMISSION AREAS SHALL BE GROOVED AND STRIPED

TEMPORARY PAVEMENT MARKING SCHEDULE																
LOCATION					DESCRIPTION	LENGTH	TEMPORARY PAVEMENT MARKING LINE					PVMT MARK REM - WB (1 APP)	SHRT TRM PAVT MRK (3 APPS)	SHRT TRM PVT MRK REM (1 APP)		
							4 INCH		6 INCH	8 INCH	24 INCH				LETTERS & SYMBOLS	
							WHITE	YELLOW	WHITE	WHITE	WHITE					
						FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	FOOT	SQ FT		
NORTHBOUND			240+00	211+90.	EDGE & CL	2810.00	2810	2810	710			1114.17	843.00	93.67		
			211+90.	192+23.95	EDGE & CL	1966.05	626.05	1966.05	520			562.02	589.82	65.54		
					IL 17 OFF RAMP		2275	1400		108	43	691.50	387.00	43.00		
					IL 17 ON RAMP		2128	975				517.17				
	Gap (SN 006-0006)	IL 17	192+23.95	189+60.23	EDGE & CL	263.72	263.72	263.72	140			122.91	79.12	8.79		
			189+60.23	145+01.86	EDGE & CL	4458.37	4458.37	4458.37	1420			1841.12	1337.51	148.61		
	Gap (SN 006-0008)	RR	145+01.86	142+42.19	EDGE & CL	259.67	259.67	259.67	60			101.56	77.90	8.66		
			142+42.19	139+51.04	EDGE & CL	291.15	291.15	291.15	70			114.55	87.34	9.70		
	Gap (SN 006-0010)	GRINELL RD	139+51.04	138+30.88	EDGE & CL	120.16	120.16	120.16	30			47.55	36.05	4.01		
			138+30.88	107+65.25	EDGE & CL	3065.63	3065.63	3065.63	770			1214.38	919.69	102.19		
STA EQ 201+96.53BK 107+65.25AH																
		201+96.53	214+58.5	EDGE & CL	1261.97	1261.97	1261.97	320			500.66	378.59	42.07			
Gap (SN 006-0013)	SOLDIER CREEK	214+58.5	215+29.5	EDGE & CL	71.00	71	71	20			28.67	21.30	2.37			
		215+29.5	276+69.	EDGE & CL	6139.50	6139.5	6139.5	1540			2431.50	1841.85	204.65			
NORTHBOUND SUBTOTAL							23770	23082	5600	108	43	0	9288	6599	733	
SOUTHBOUND			276+69	215+29.5	EDGE & CL	6139.50	6139.5	6139.5	1540			2431.50	1841.85	204.65		
	Gap (SN 046-0012)	SOLDIER CREEK	215+29.5	214+58.5	EDGE & CL	71.00	71	71	20			28.67	21.30	2.37		
			214+58.5	201+96.53	EDGE & CL	1261.97	1261.97	1261.97	320			500.66	378.59	42.07		
	STA EQ 201+96.53BK 107+65.25AH															
			107+65.25	138+30.88	EDGE & CL	3065.63	3065.63	3065.63	770			1214.38	919.69	102.19		
	Gap (SN 046-0011)	GRINELL RD	138+30.88	139+51.04	EDGE & CL	120.16	120.16	120.16	30			47.55	36.05	4.01		
			139+51.04	142+42.19	EDGE & CL	291.15	291.15	291.15	70			114.55	87.34	9.70		
	Gap (SN 046-0009)	RR	142+42.19	145+01.86	EDGE & CL	259.67	259.67	259.67	60			101.56	77.90	8.66		
			145+01.86	174+82.	EDGE & CL	2980.14	2980.14	2980.14	750			1180.88	894.04	99.34		
			174+82.	189+60.23	EDGE & CL	1478.23	282	1478.23	370			385.87	443.47	49.27		
				IL 17 OFF RAMP		1972	752		100	44	84	573.33	396.00	44.00		
				IL 17 ON RAMP		1255	554				301.50					
Gap (SN 046-0007)	IL 17	189+60.23	192+23.95		263.72	263.72	263.72	100	96			144.91	79.12	8.79		
		192+23.95	240+00.		4776.05	4776.05	4776.05	1500			1967.02	1432.82	159.20			
SOUTHBOUND SUBTOTAL							22738	22013	5530	196	44	84	8992	6608	734	
TOTAL								91604		11130	304	87	84	18280	13207	1467

Existing Structures: S.N. 046-0012 and 046-0013 were built in 1955 as FA Route 26, Section 139-B2 at Station 92+06.00. In 1990, the deck slab superstructures were replaced; the wing walls and abutment caps modified to accommodate the new slabs. Structures consist of a 12" concrete slab superstructure, thickened at the supports. The out to out width for both bridges is 43'-2" and the length is 76'-7" back to back abutments. The structures are founded on concrete closed abutments and solid wall piers with foundations keyed into rock. Stage construction shall be utilized to maintain one lane of traffic in each direction.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Deck Slab Repair Plan
4. Deck Slab Repair Plan (As-Built)
5. Joint Replacement Details
6. Preformed Joint Strip Seal
- 7-13. Substructure Repair Details
14. Bar Splicer Details
- 15-26. Existing Plans (For Information Only)

SCOPE OF WORK

1. Remove concrete deck and parapets at the expansion joints in order to provide new strip seal joints.
2. Perform deck repairs.
3. Install new superstructure concrete and preformed joint strip seal at abutments.
4. Apply protective coat to top of new concrete surfaces and slab repair areas.
5. Perform Bridge Deck Grooving on slab repair areas.
6. Repair deteriorated concrete on substructure.
7. Repair damaged sections of approach curbs.
8. Restore guardrail attachment.

DESIGN STRESSES

(New Construction)

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

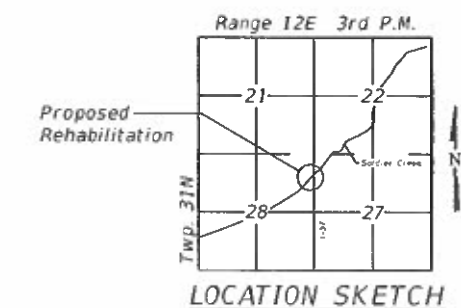
Notes:

Existing curbs shall be re-constructed as per the Engineer. Cost included with Approach Slab Repair (Partial Depth).

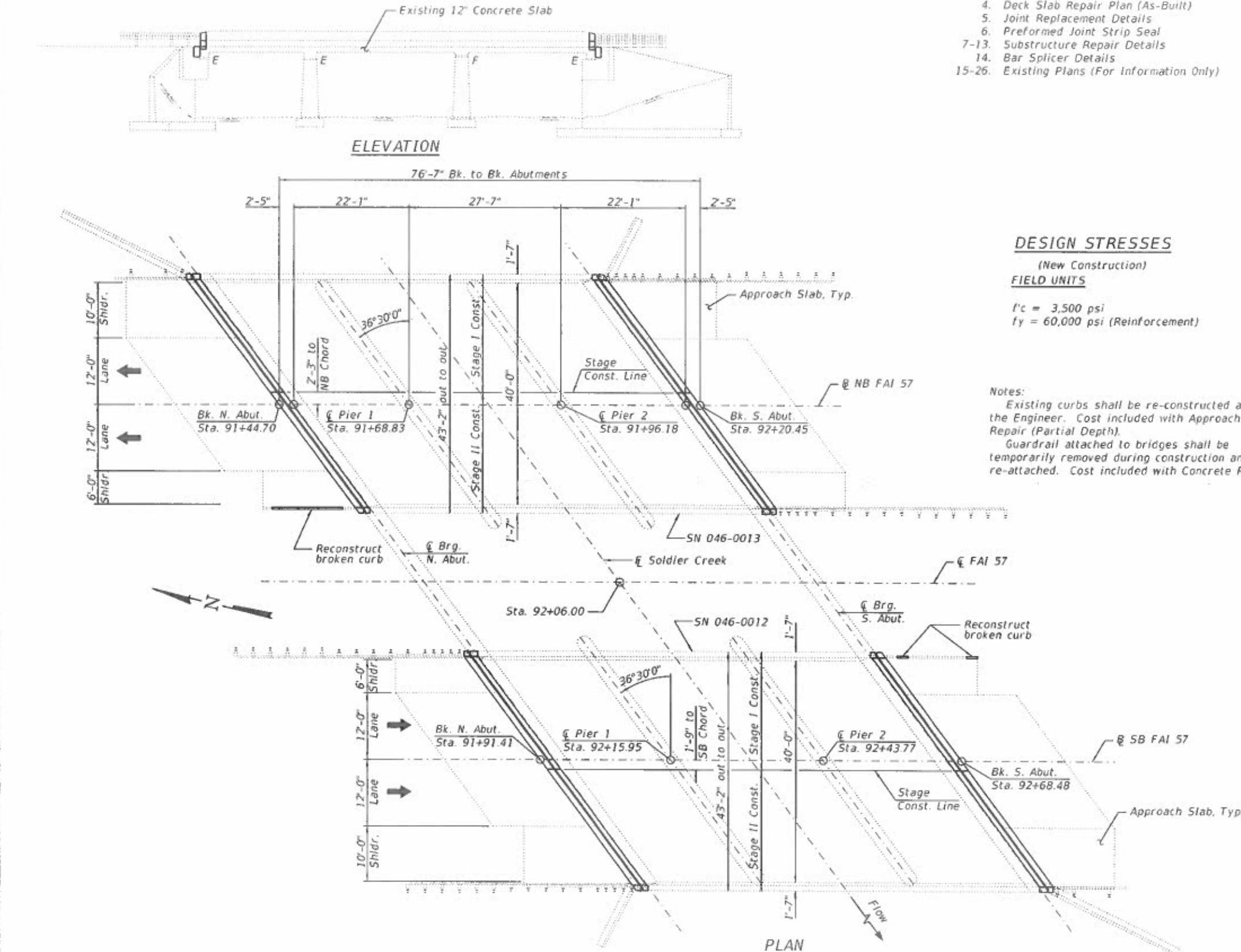
Guardrail attached to bridges shall be temporarily removed during construction and re-attached. Cost included with Concrete Removal.



Michael J. Haley 1-31-2019
 Michael T. Haley
 Licensed Structural Engineer
 State of Illinois No. 81-5991
 Expires 11/30/2020



GENERAL PLAN AND ELEVATION
I-57 OVER SOLDIER CREEK
F.A.I. RTE. 57 - SEC. (46-2, 46-3) RS-3&I
KANKAKEE COUNTY
STATION 92+06.00
STRUCTURE NOS. 046-0012(SB) & 046-0013(NB)



LINE ENGINEERING LTD.
 Consulting Engineers
 Springfield, Illinois

USER NAME	DESIGNED - MTH	REVISIONS
PLOT SCALE	CHECKED - VPT	REVISIONS
PLOT DATE	DRAWN - DAS	REVISIONS
	CHECKED - MTH	REVISIONS

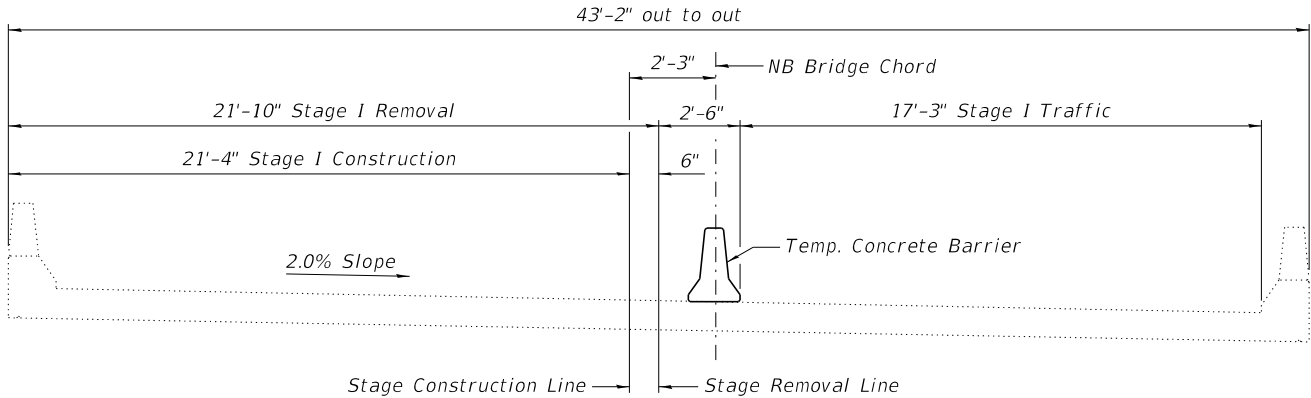
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 28 SHEETS

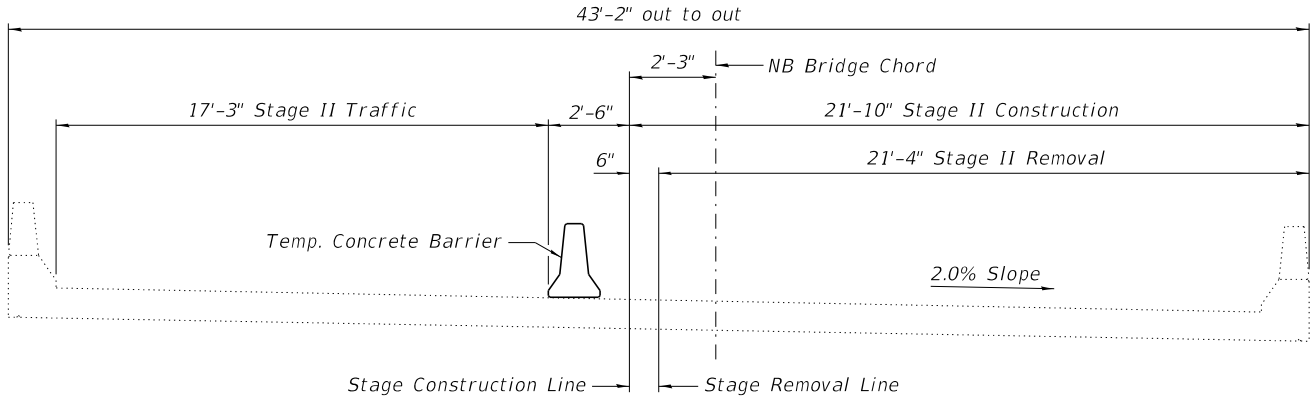
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	23
CONTRACT NO. 66E67				

ILLINOIS FED. AID PROJECT

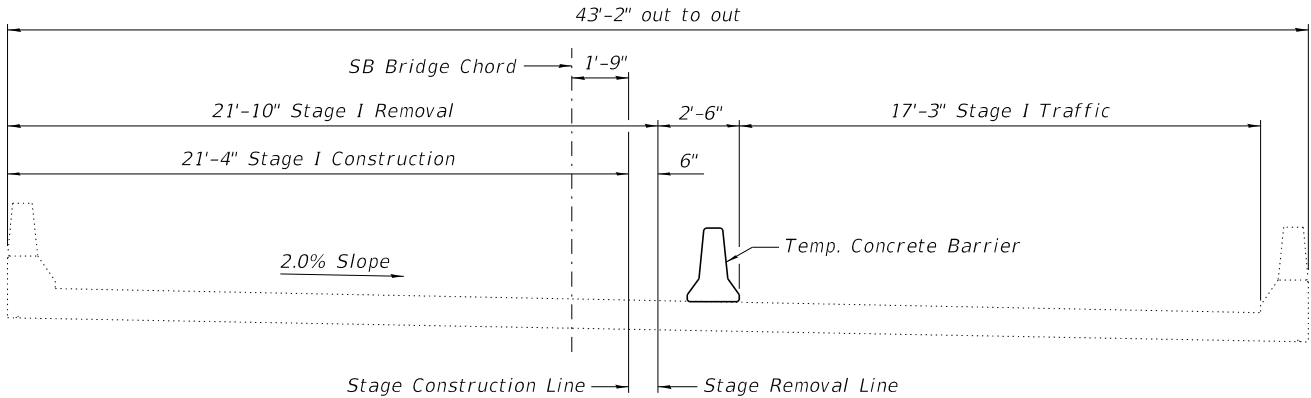
MODEL: Default
FILE NAME: p:\v\11084EBID\INTEG\Illinois.gov\PW\DOT\Documents\IDOT_Offices\District_3\Projects\EP03204\CADDData\CADSheets\0366E67-002-GeneralData.dgn



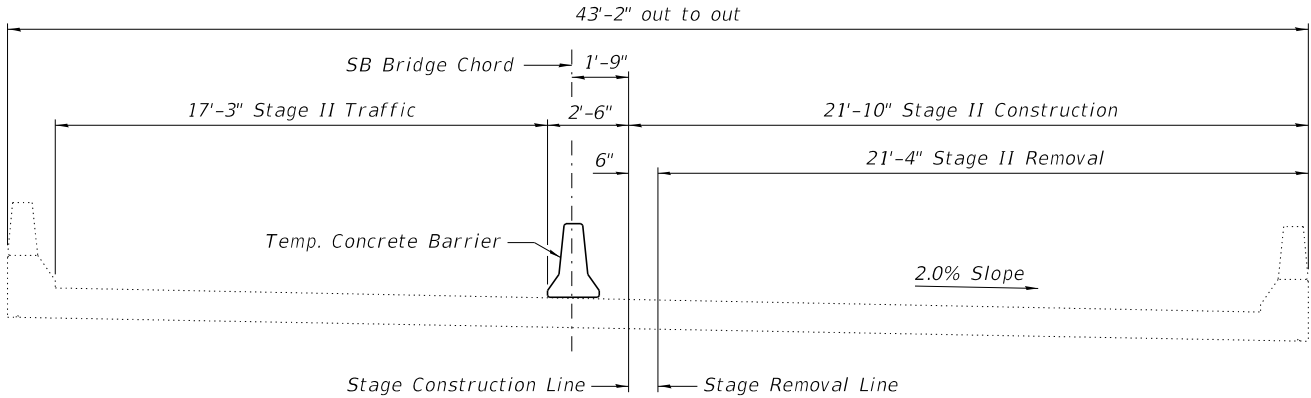
STAGE I REMOVAL & CONSTRUCTION
(Looking South) (SN 046-0013)



STAGE II REMOVAL & CONSTRUCTION
(Looking South) (SN 046-0013)



STAGE I REMOVAL & CONSTRUCTION
(Looking South) (SN 046-0012)



STAGE II REMOVAL & CONSTRUCTION
(Looking South) (SN 046-0012)

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
The deck shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Note:
See Roadway Plans for Temporary Concrete Barrier quantities.

TOTAL BILL OF MATERIAL

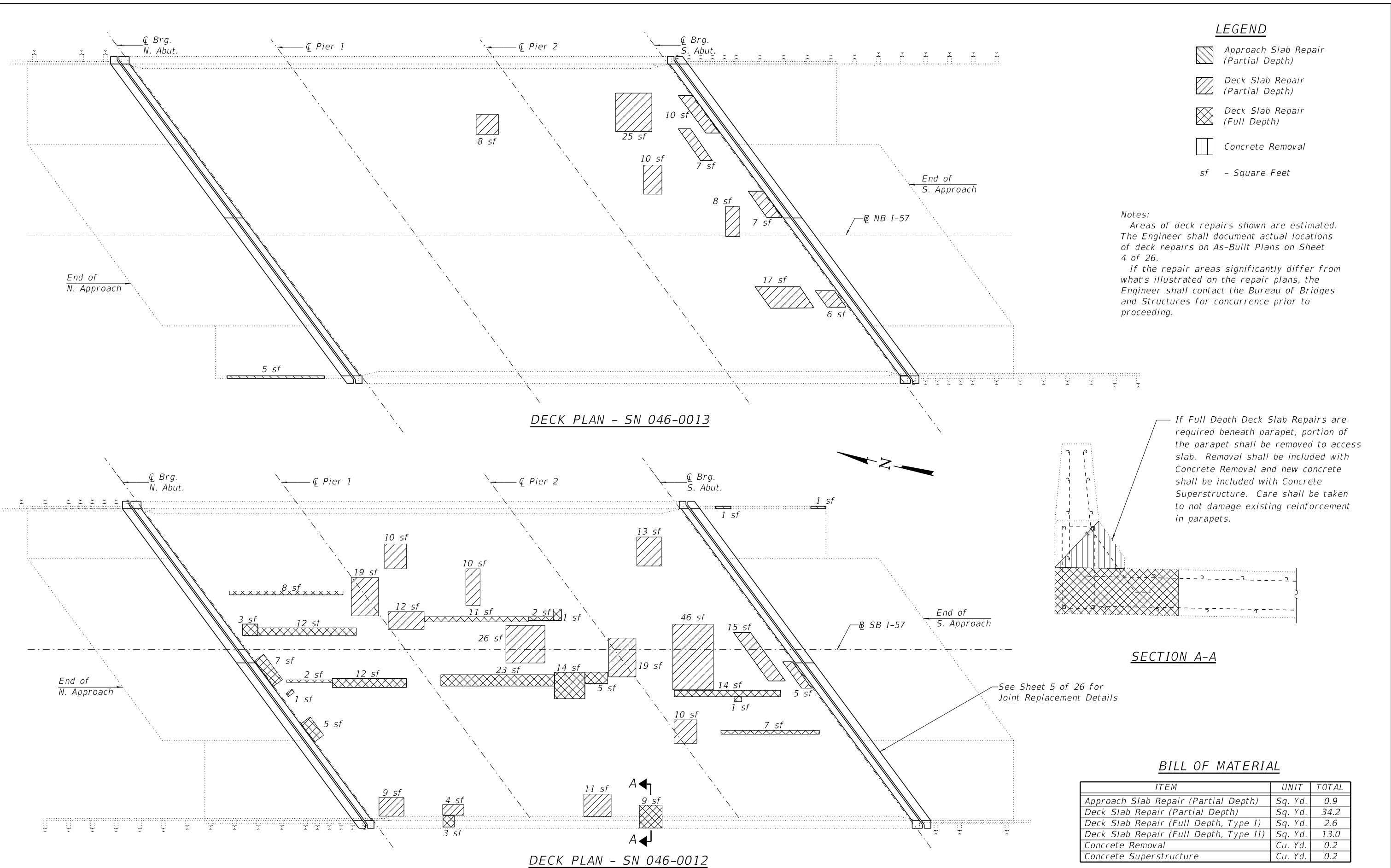
ITEM	UNIT	SN 046-0012	SN 046-0013	TOTAL
Concrete Removal	Cu. Yd.	4.8	4.6	9.4
Concrete Superstructure	Cu. Yd.	4.9	4.7	9.6
* Protective Coat	Sq. Yd.	63	35	98
Reinforcement Bars, Epoxy Coated	Pound	720	720	1,440
Bar Splicers	Each	8	8	16
Preformed Joint Strip Seal	Foot	104.5	104.5	209
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	421	205	626
Deck Slab Repair (Partial Depth)	Sq. Yd.	23.3	10.9	34.2
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2.6	-	2.6
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	13.0	-	13.0
Approach Slab Repair (Partial Depth)	Sq. Yd.	0.3	0.6	0.9
Temporary Shoring and Cribbing	Each	4	1	5

*New concrete surface only.

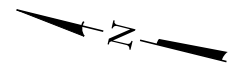
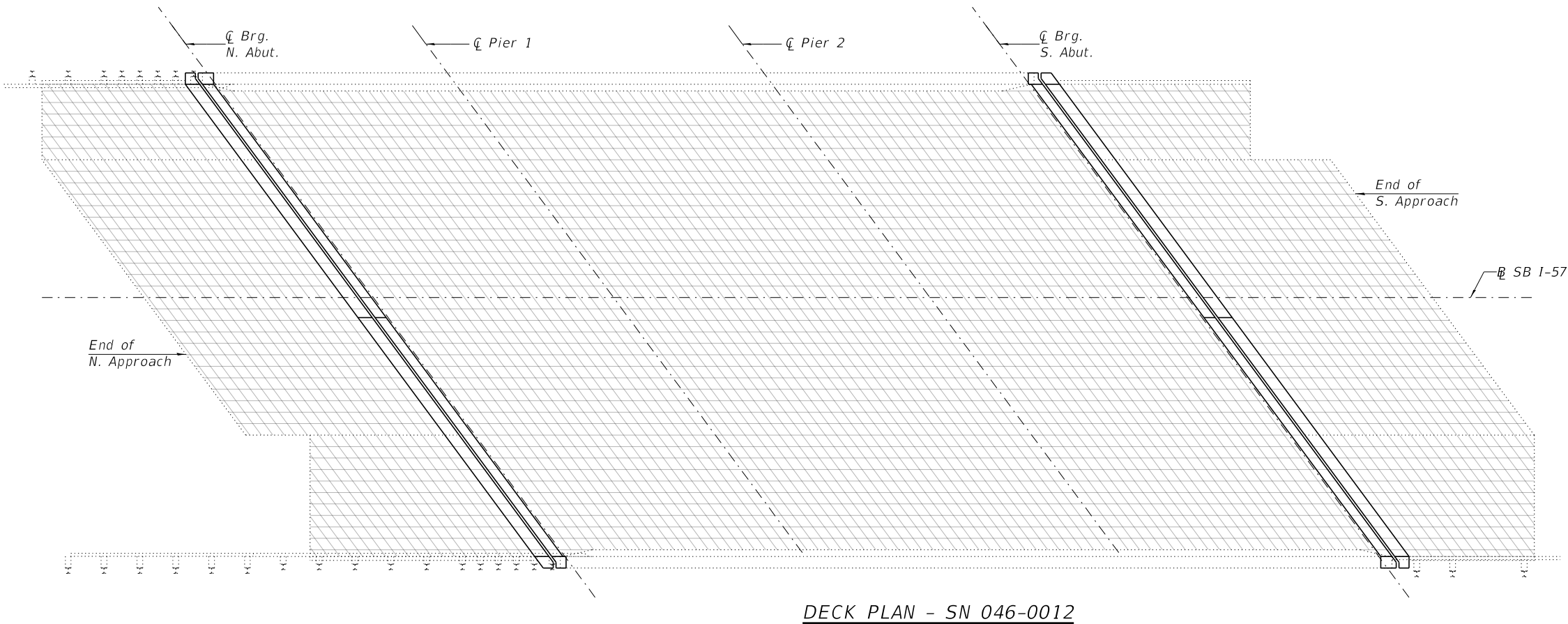
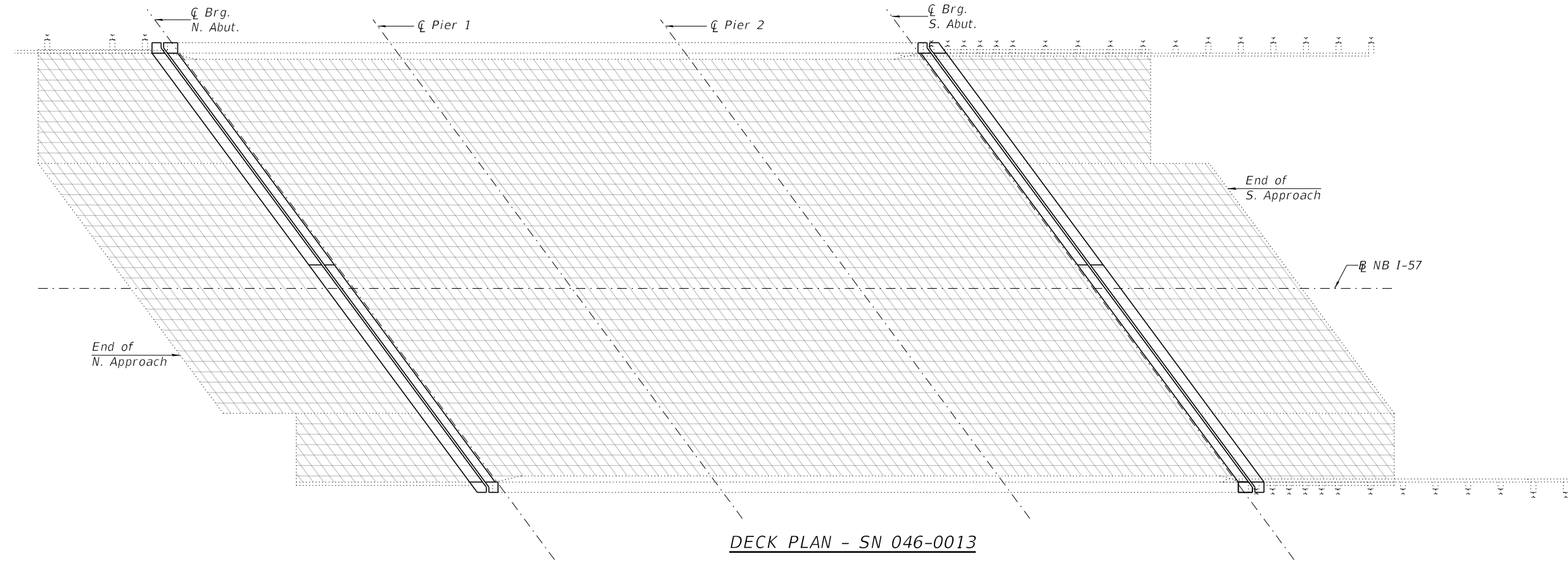
USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	26	24
CONTRACT NO. 66E67				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG.\ilinds.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-003-Deck Slab Repair.dgn



MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT_Offices\District_3\Projects\EP03204\CADData\CADsheets\0366E67-004-Deck Slab Repair\AS-Built.dgn



BILL OF MATERIAL - AS BUILT

ITEM	UNIT	TOTAL
Approach Slab Repair (Partial Depth)	Sq. Yd.	
Deck Slab Repair (Partial Depth)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	



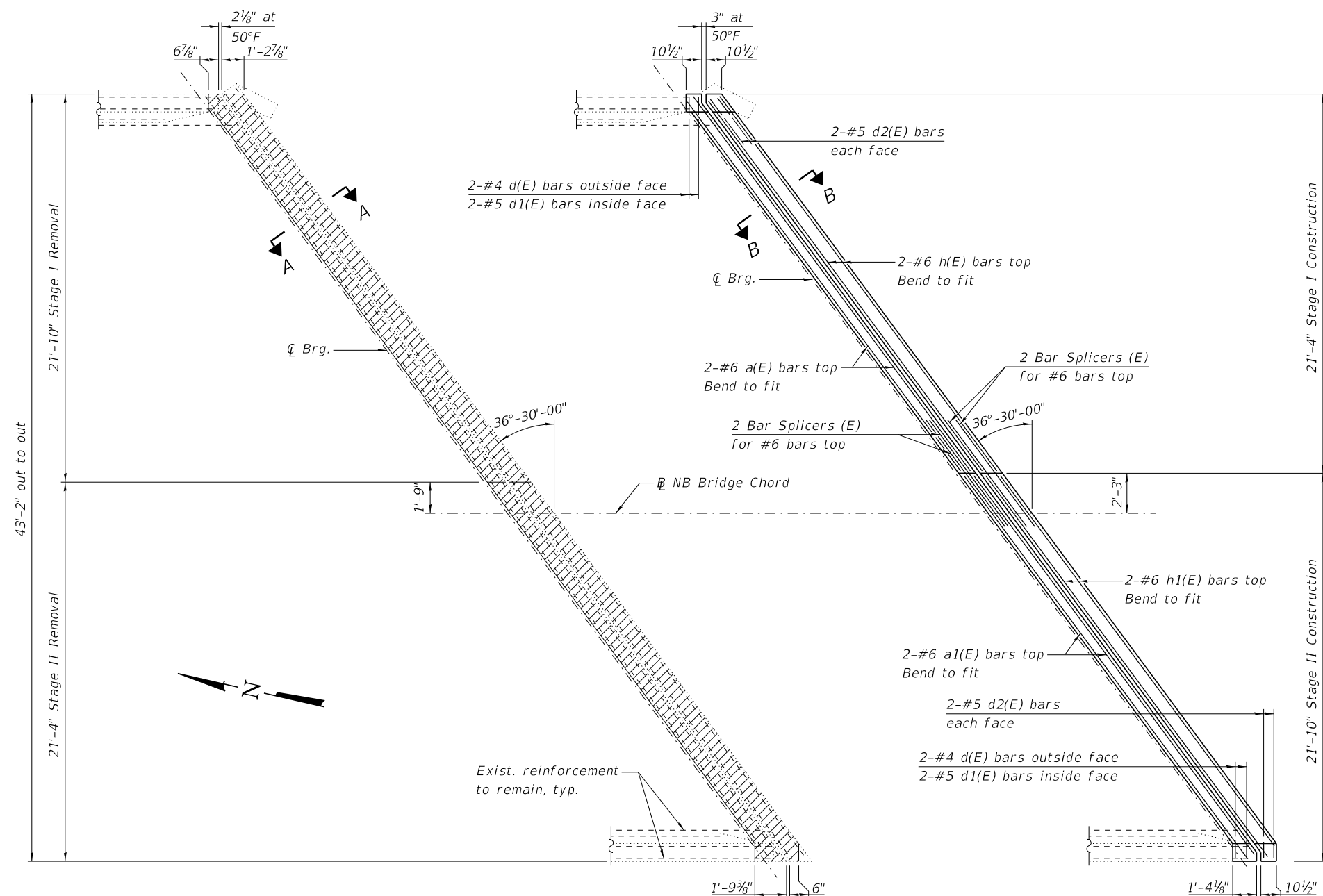
USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIR PLAN - AS BUILT
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 4 OF 26 SHEETS

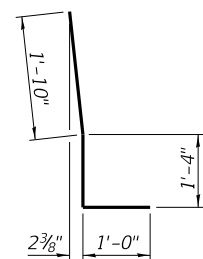
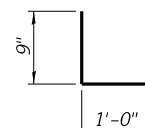
F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	26	26
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL
(4 locations)

Bar	No.	Size	Length	Shape
a(E)	8	#6	26'-1"	————
a1(E)	8	#6	26'-9"	————
d(E)	16	#4	3'-0"	————
d1(E)	16	#5	4'-2"	┐
d2(E)	32	#5	1'-9"	┐
h(E)	8	#6	26'-1"	————
h1(E)	8	#6	26'-9"	————
Concrete Removal			Cu. Yd.	9.2
Concrete Reinforcement			Cu. Yd.	9.4
Reinforcement Bars, Epoxy Coated			Pound	1,440

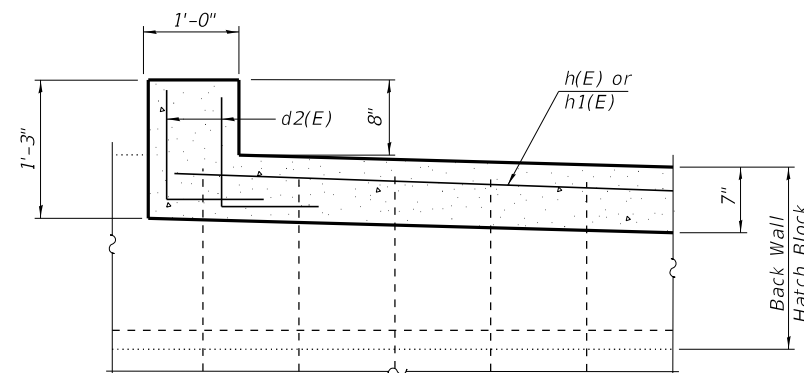
REMOVAL PLAN


$$\underline{BAR \ d1(E)}$$


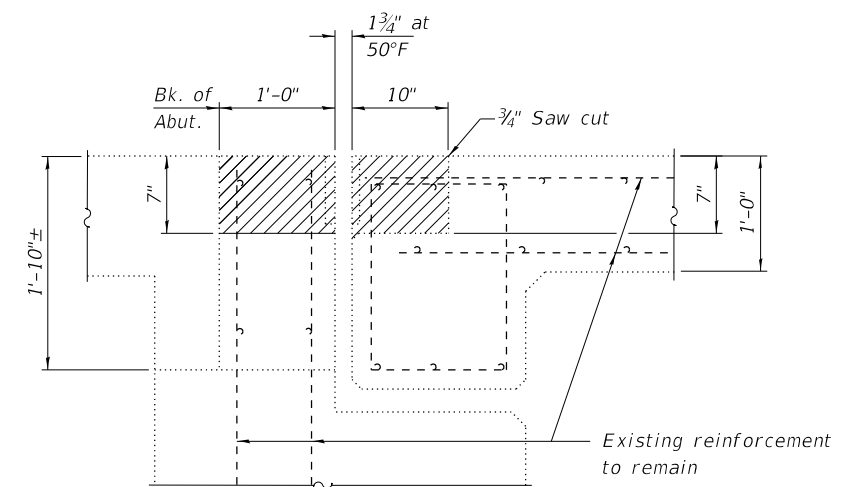
BAR d2(E)

South Abutment S.N. 046-0013 shown.
Other Abutments similar.

REPLACEMENT PLAN

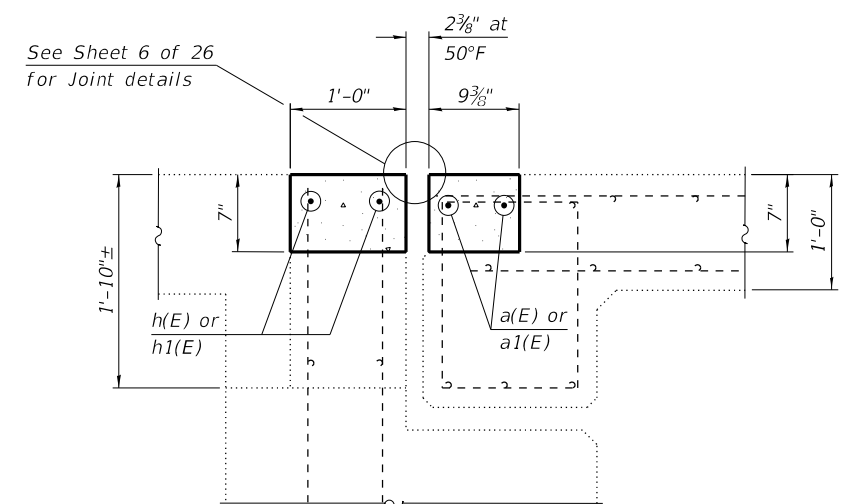


SECTION THRU APPROACH CURB



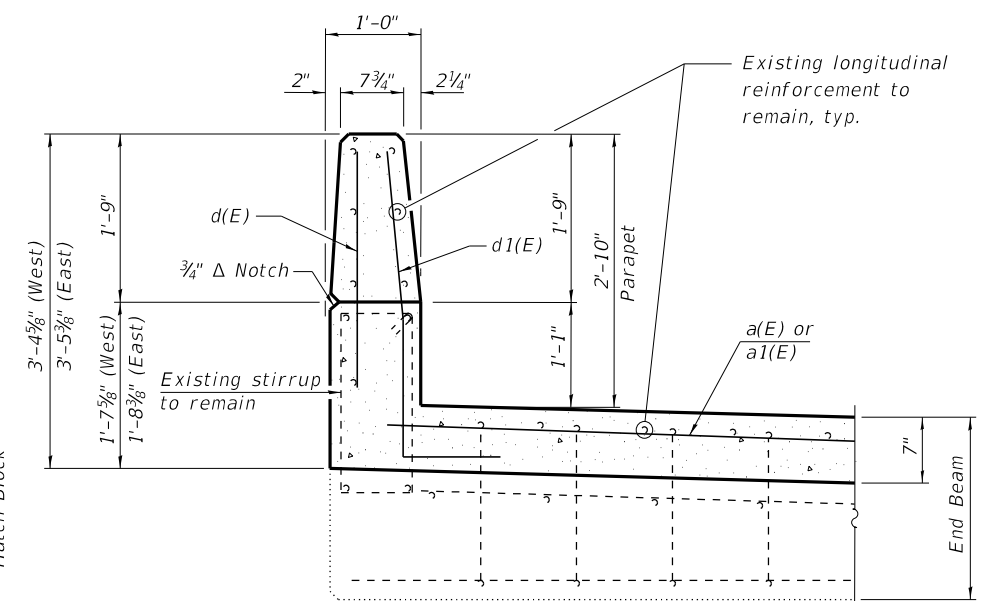
SECTION A-A

(Dimensions at right angles)



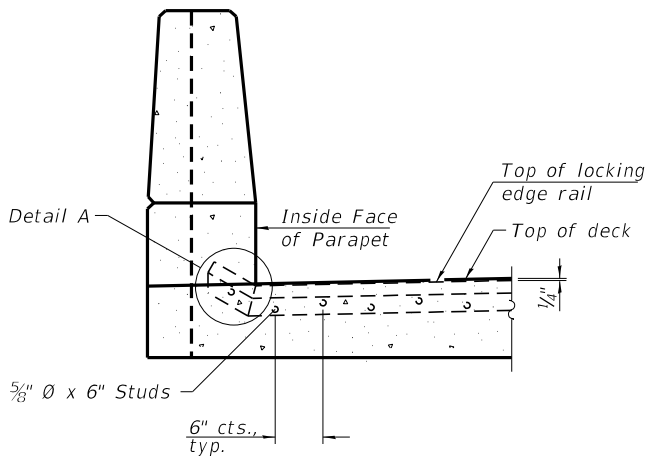
SECTION B-B

(Dimensions at right angles)

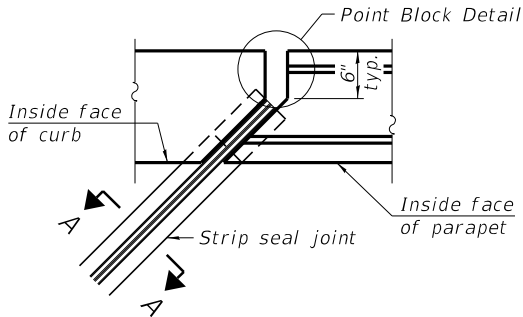


SECTION THRU PARAPET

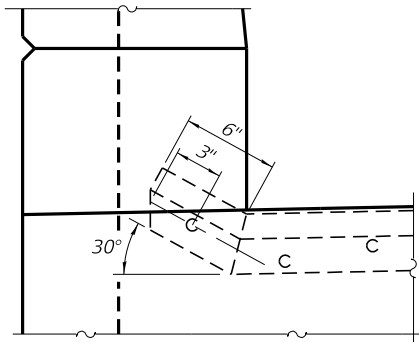
MODEL: Default
FILE NAME: pw:\3\IL084EBID\INTEG.\Illinois.gov\PW\DOT\Documents\DOT Offices\District_3\Projects\EP03204\CADData\CADSheets\0366E67-006-Strip Seal base sheet.dgn



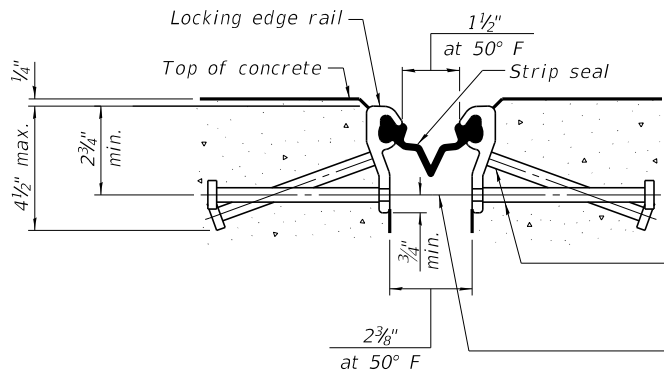
ELEVATION AT PARAPET



PLAN AT PARAPET



DETAIL A



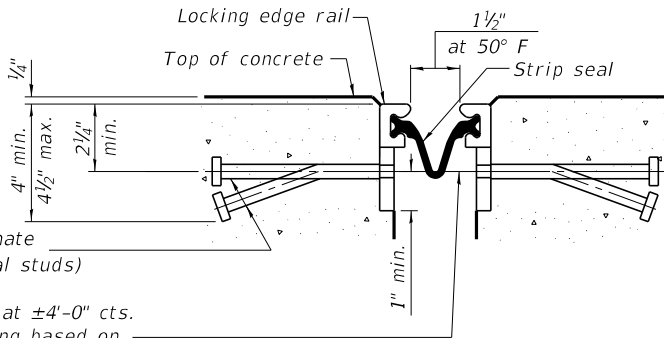
SHOWING ROLLED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

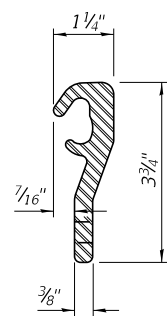
3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

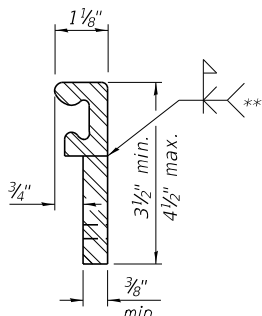
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SHOWING WELDED RAIL JOINT



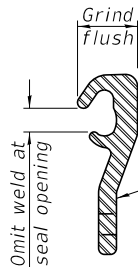
ROLLED (EXTRUDED) RAIL



WELDED RAIL

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	209.0



USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

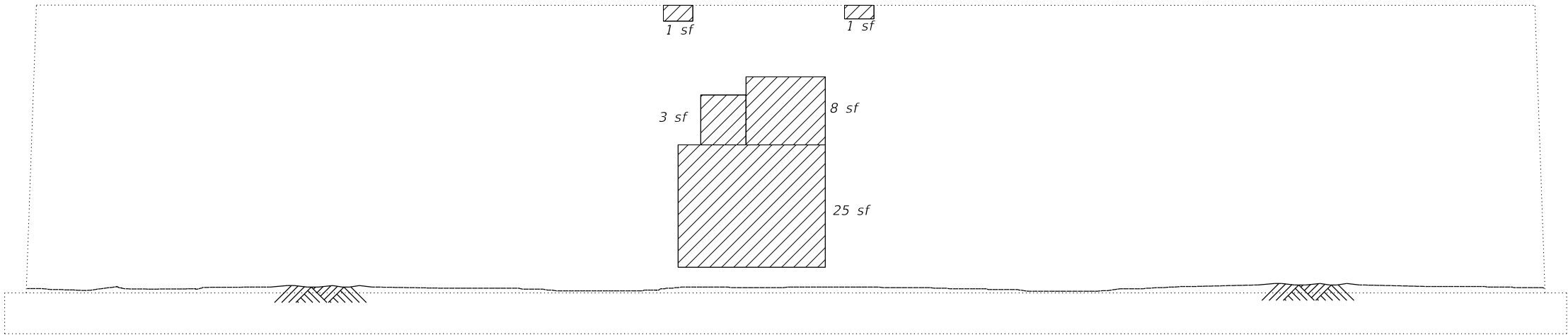
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NOS. 046-0012 & 046-0013

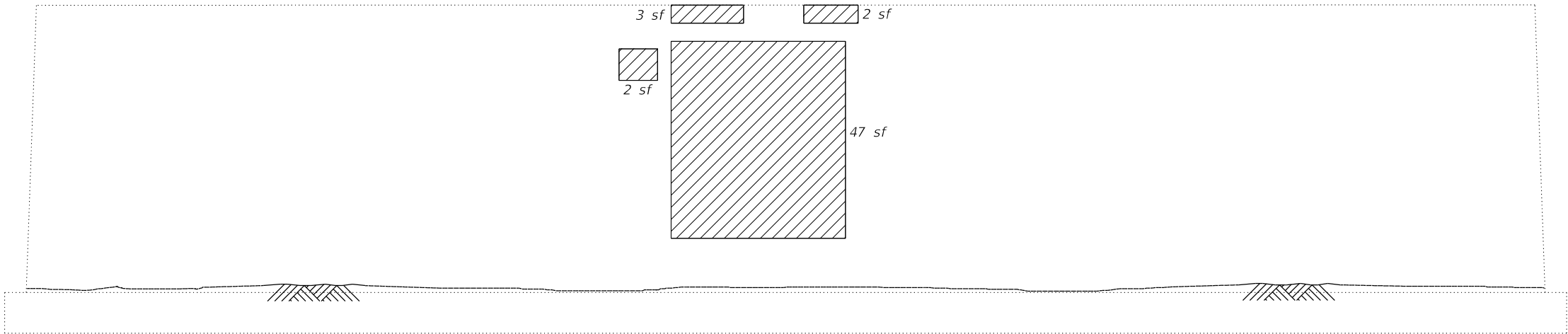
SHEET 6 OF 26 SHEETS

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-38I	KANKAKEE	76	28
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG Illinois.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-007-Substructure Repair.dgn



PIER 1 ELEVATION
(Looking North)



PIER 1 ELEVATION
(Looking South)

LEGEND



Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

sf Square Feet

Note:
Repair of existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

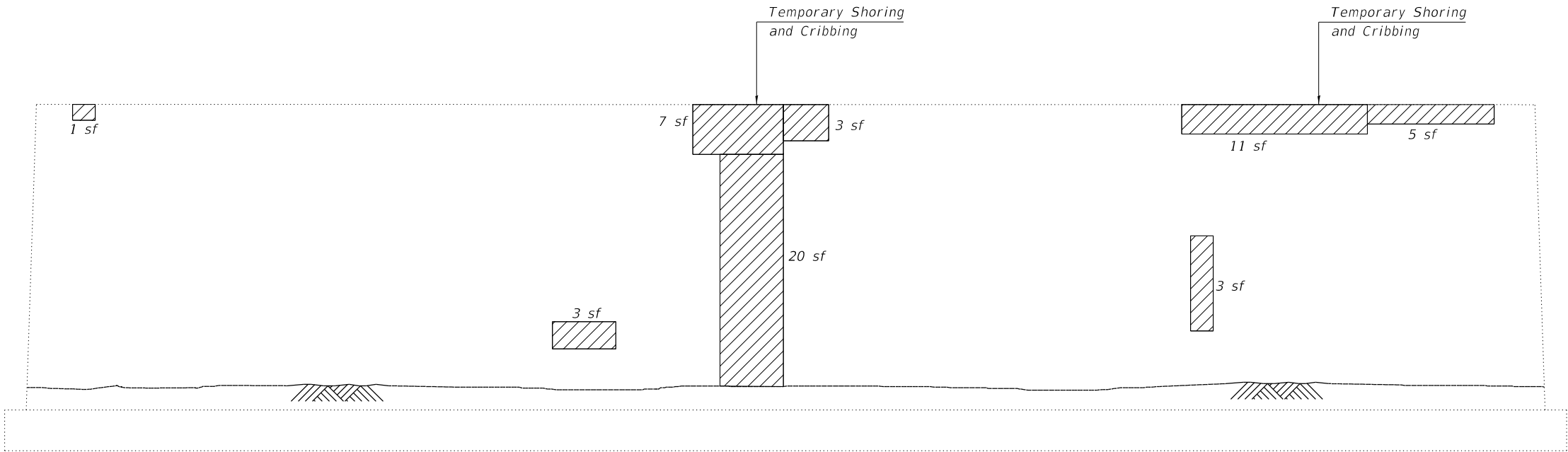
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	92

USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

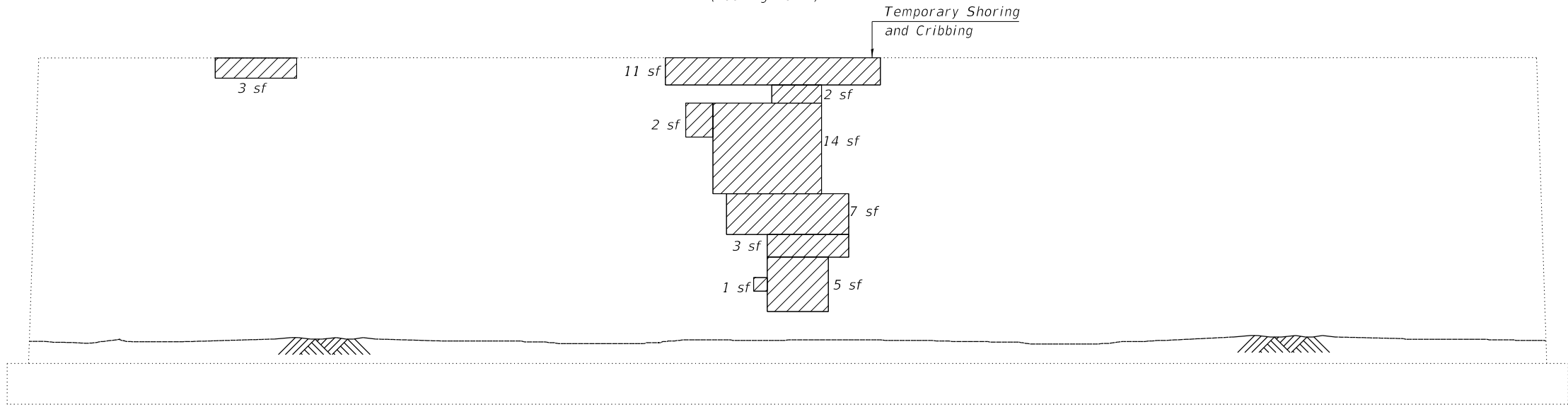
F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	29
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: pw:\3\IL084EBID\INTEG.illinois.gov\PW\DOT\Documents\DOT_Offices\District_3\Projects\EP03204\CADData\CADsheets\0366E67-008-Substructure_Repair.dgn



PIER 2 ELEVATION

(Looking North)



PIER 2 ELEVATION

(Looking South)

LEGEND



Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

sf Square Feet

Note:
Repair of existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

**BEARING
REACTION TABLE**

Dead Load	30.8 kips
Live Load + Impact	37.0 kips

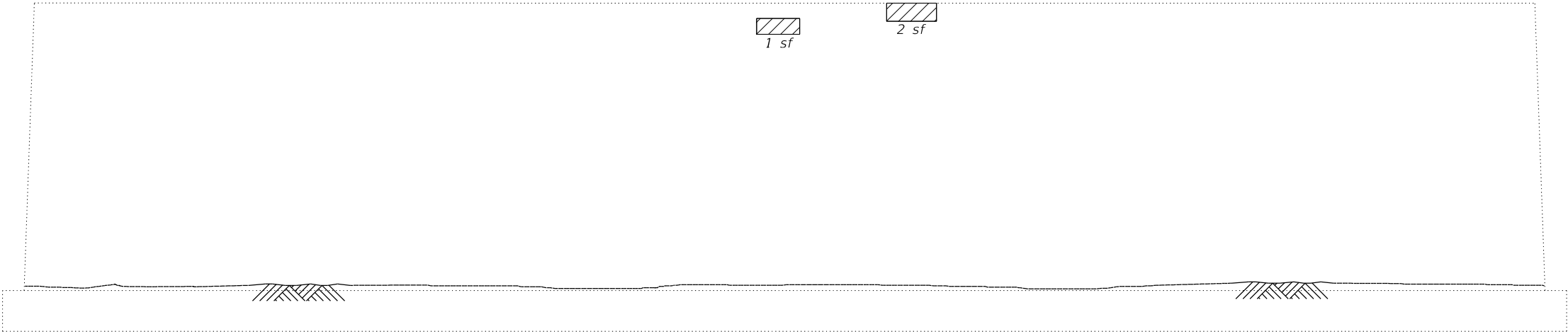
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	101
Temporary Shoring and Cribbing	Each	3

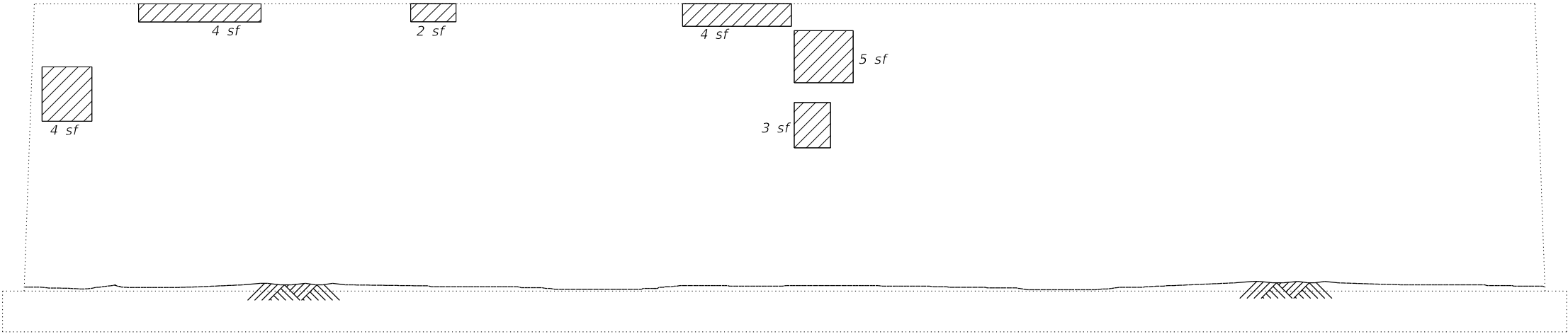
USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	30
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: pw:\3\IL084EBID\INTEG Illinois.gov\PW\DOT\Documents\IDOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-009-Substructure Repair.dgn



PIER 1 ELEVATION
(Looking North)



PIER 1 ELEVATION
(Looking South)

LEGEND



Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

sf Square Feet

Note:
Repair of existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	25



LIN ENGINEERING, LTD.

Consulting Engineers

Springfield, Illinois

USER NAME	=	_____	DESIGNED	-	MTH_____	REVISED	-	_____
			CHECKED	-	VPT_____	REVISED	-	_____
PLOT SCALE	=	_____	DRAWN	-	DAS_____	REVISED	-	_____
PLOT DATE	=	_____	CHECKED	-	MTH_____	REVISED	-	_____

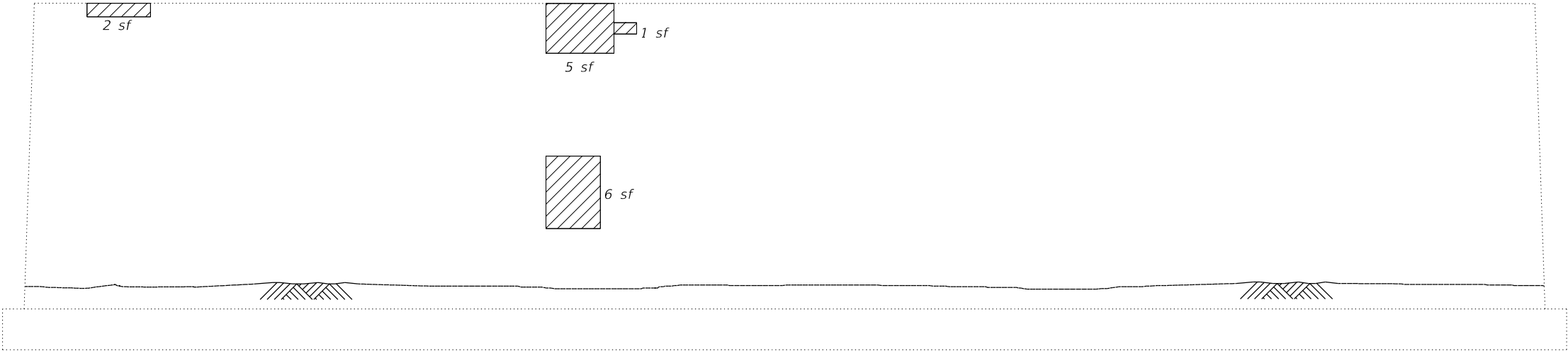
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS (PIER 1)
STRUCTURE NO. 046-0013

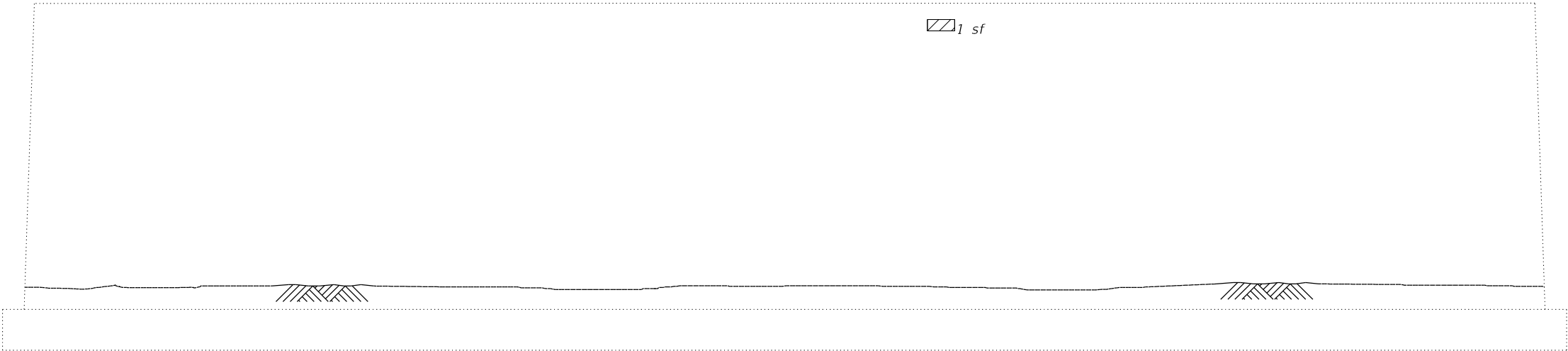
SHEET 9 OF 26 SHEETS

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	31
CONTRACT NO. 66E67				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\3\IL084EBID\INTEG Illinois.gov\PW\DOT\Documents\DOT Offices\District_3\Projects\EP03204\CADData\CADsheets\0366E67-010-Substructure Repair.dgn



PIER 2 ELEVATION
(Looking North)



PIER 2 ELEVATION
(Looking South)

LEGEND



Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

sf Square Feet

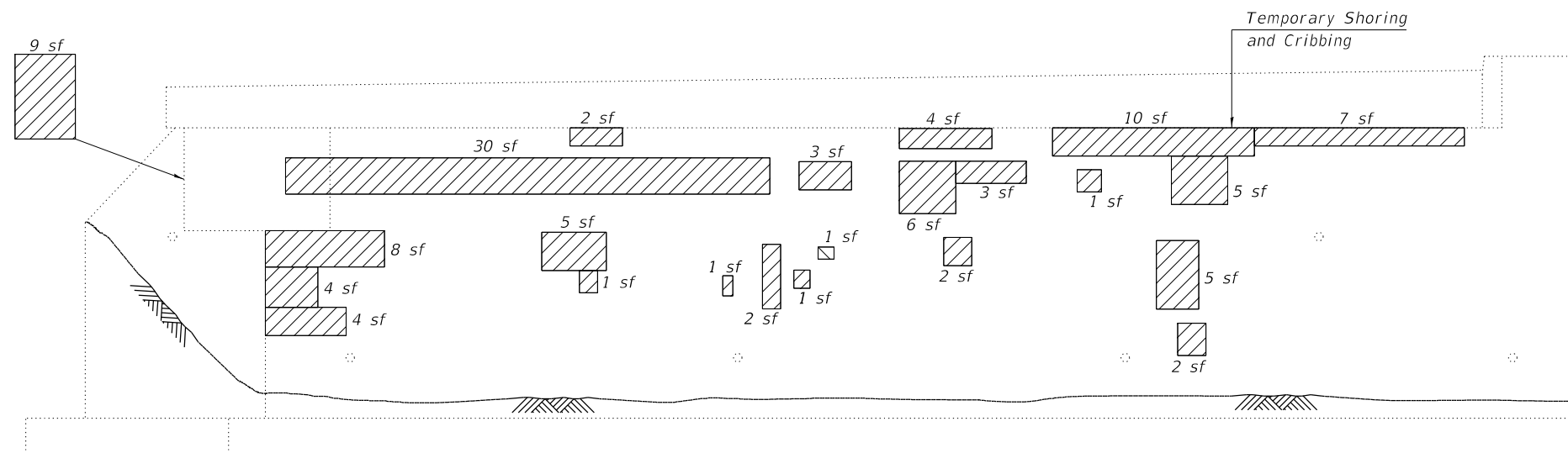
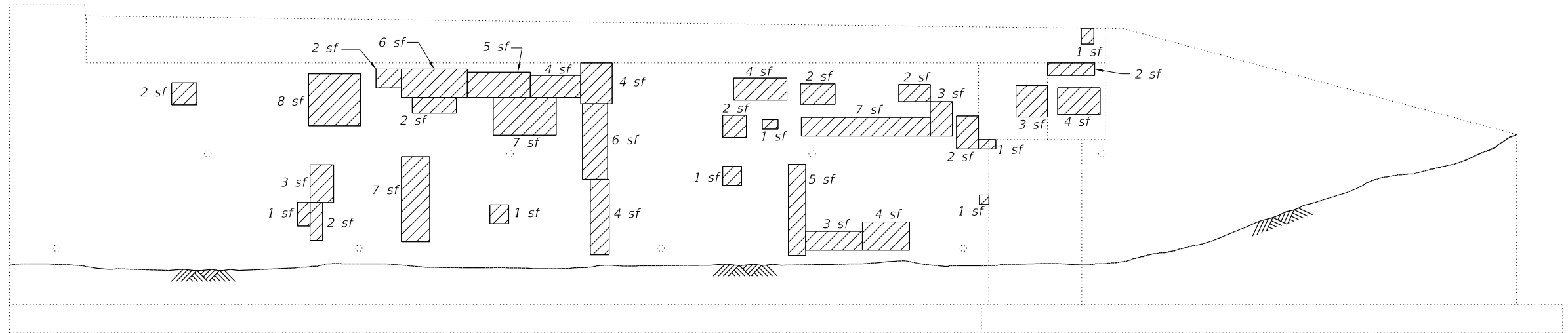
Note:
Repair of existing pier shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

BILL OF MATERIAL

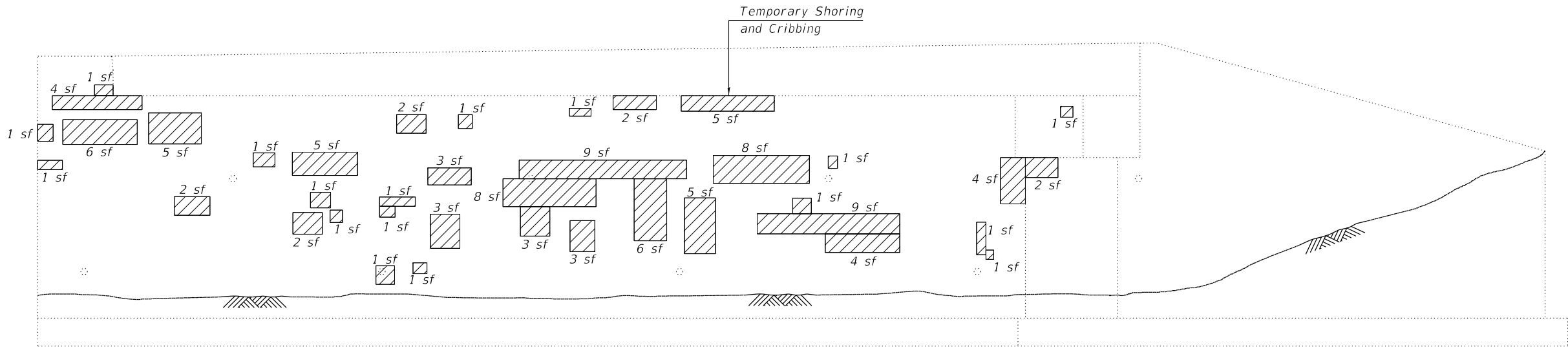
ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	15

USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

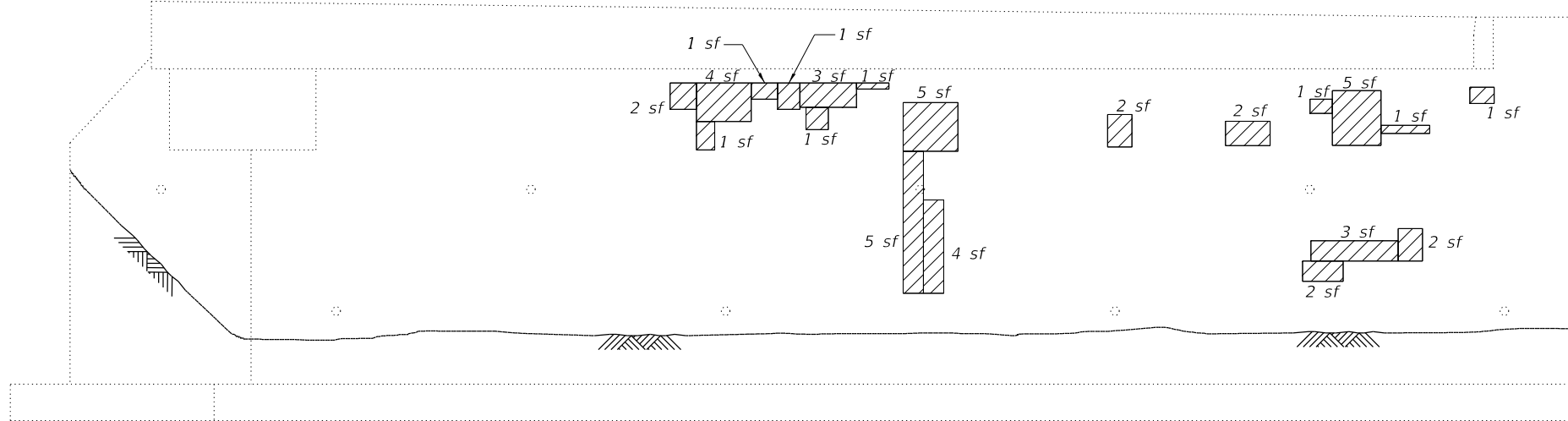
F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	32
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



MODEL: Default
FILE NAME: pw:\3\IL084EBID\INTEG.illinois.gov\PW\DOT\Documents\IDOT_Offices\District_3\Projects\EP03204\CADData\CADsheets\0366E67-012-Substructure_Repair.dgn



ELEVATION
(North Abutment)



ELEVATION
(South Abutment)

LEGEND

-  Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
- sf Square Feet

Note:
Repair of existing abutments shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

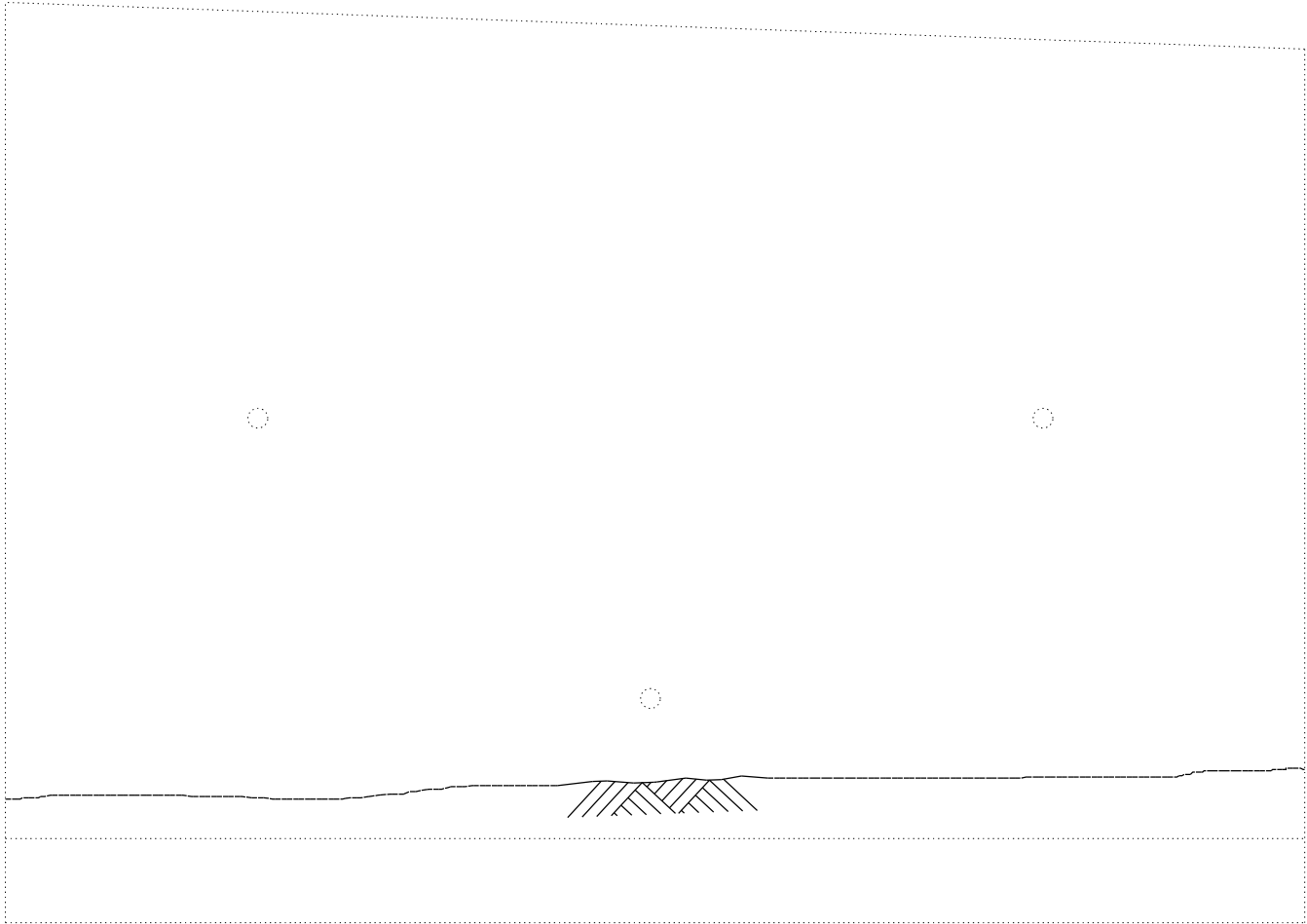
**BEARING
REACTION TABLE**

Dead Load	10.7 kips
Live Load + Impact	29.3 kips

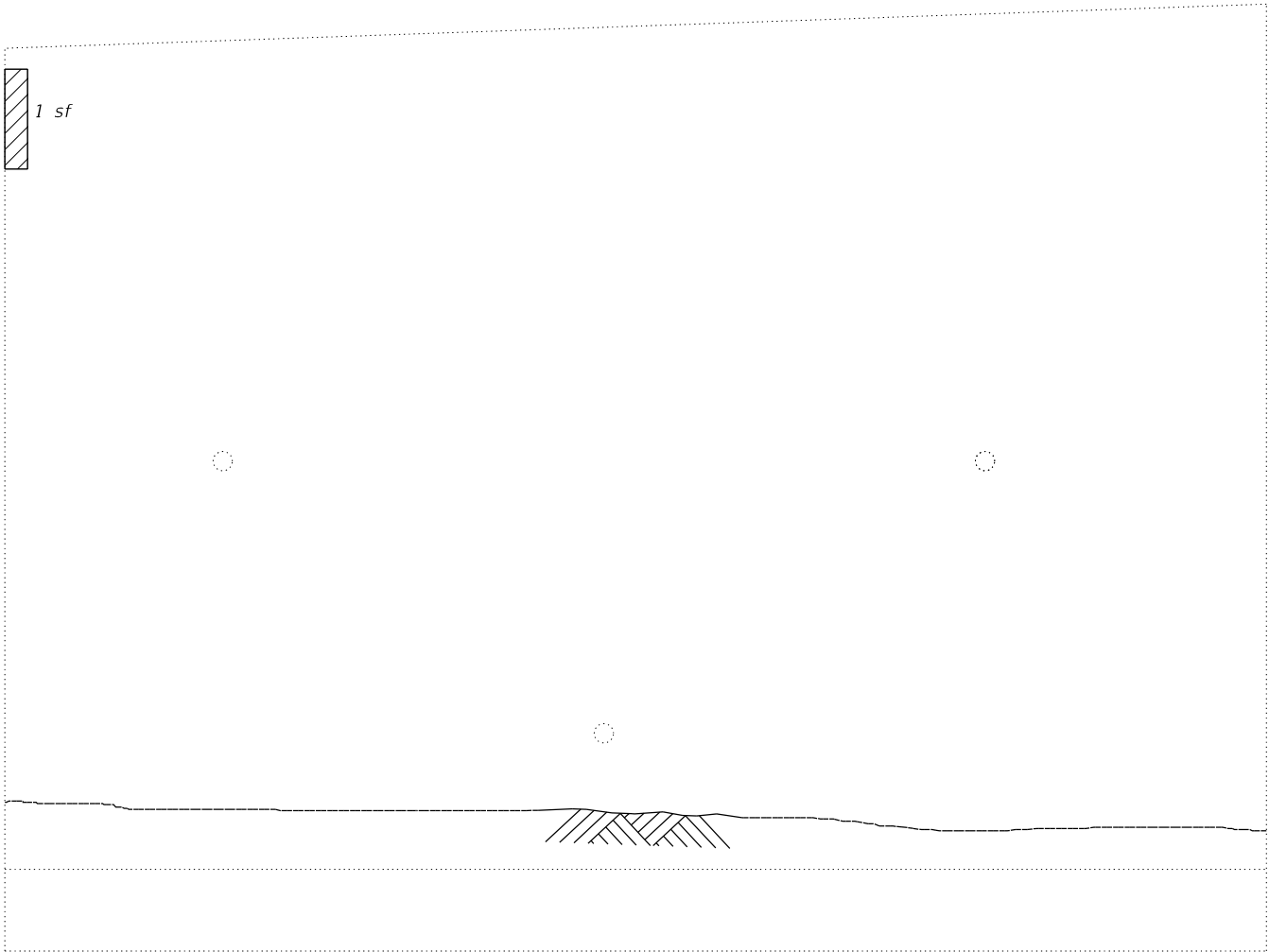
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	164
Temporary Shoring and Cribbing	Each	1

MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG Illinois.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-013-Substructure Repair.dgn



NORTH RETAINING WALL



SOUTH RETAINING WALL

LEGEND



Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

sf Square Feet

Note:
Repair of existing walls shall include but may not be limited to the areas shown. The actual areas to be repaired shall be determined by the Engineer at time of construction.

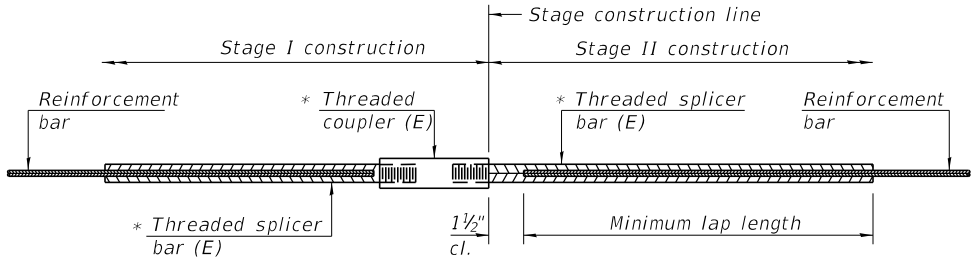
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	1

USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	35
CONTRACT NO. 66E67				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\w\11084EBID\INTEG.illinois.gov\PW\DOT\Documents\DOT Offices\District_3\Projects\EP03204\CADDData\CADSheets\0366E67-014-Bar_Details.dgn

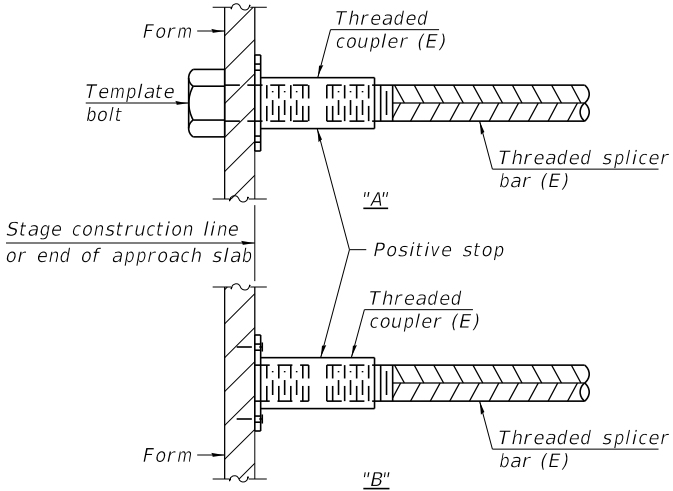


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

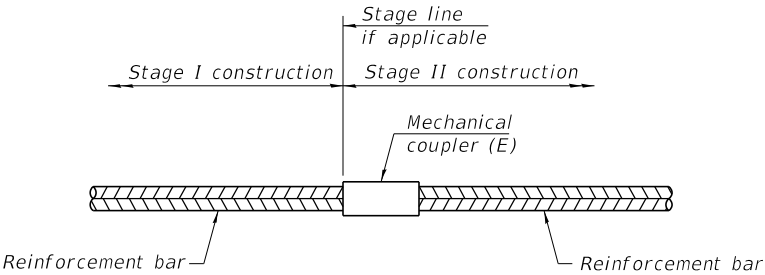
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Abutments	#6	16	4'-0"



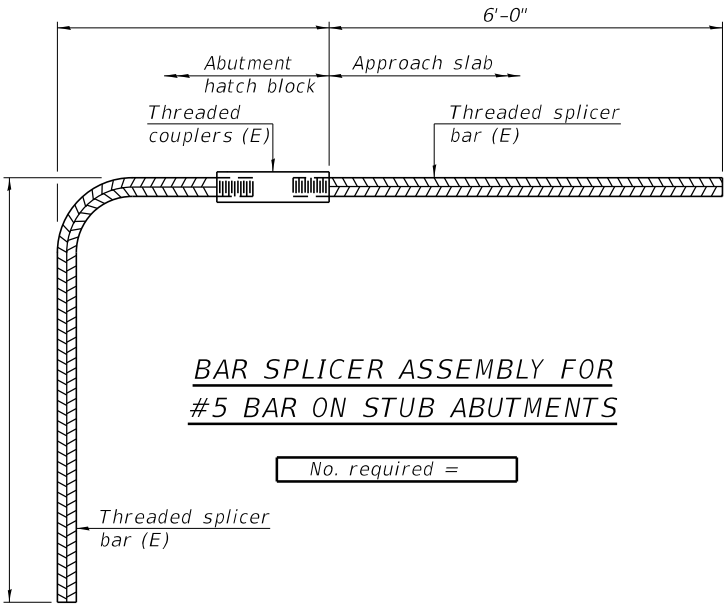
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR
#5 BAR ON STUB ABUTMENTS**

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017



USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 14 OF 26 SHEETS

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	36
CONTRACT NO. 66E67				
ILLINOIS		FED. AID PROJECT		

Benchmark ~ 0.9' Rt. Sta. 91+76, Chiseled "D" on top of Retaining Wall, Elev. 267.05
Existing Structures: Sta. 92+06 built in 1935 as F.A. Rte. 20, Sec. 139 BR-2
Existing deck to be replaced and widened on new bearings as required. Widened and repair existing substructure. Utilize slope construction by building one bridge and two way traffic open at all times on the adjacent bridge. Existing Structure Nos. 046-0012 & 046-0013

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	82	17
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	Sheet 1 of 11	

INDEX OF SHEETS

1. General Plan and Elevation
2. General Notes and Bill of Material
- 3-4. Superstructure
- 5-6. Drainage Details
7. Bearing and Expansion Details
- 8-10. Abutment Details
11. Special Railing Detail

STATION 92+06
REBUILT 198- BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 139 BR-2
F.A. PROJ. IR-57-6(150)
LOADING H920 & ALT.
STR. NO. 046-0012

LETTERING FOR NAME PLATE
SOUTHBOUND BRIDGE
See Std. 2113

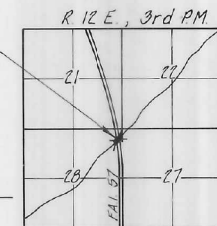
STATION 92+06
REBUILT 198- BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 139 BR-2
F.A. PROJ. IR-57-6(150)
LOADING H920 & ALT.
STR. NO. 046-0013

LETTERING FOR NAME PLATE
NORTHBOUND BRIDGE
See Std. 2113

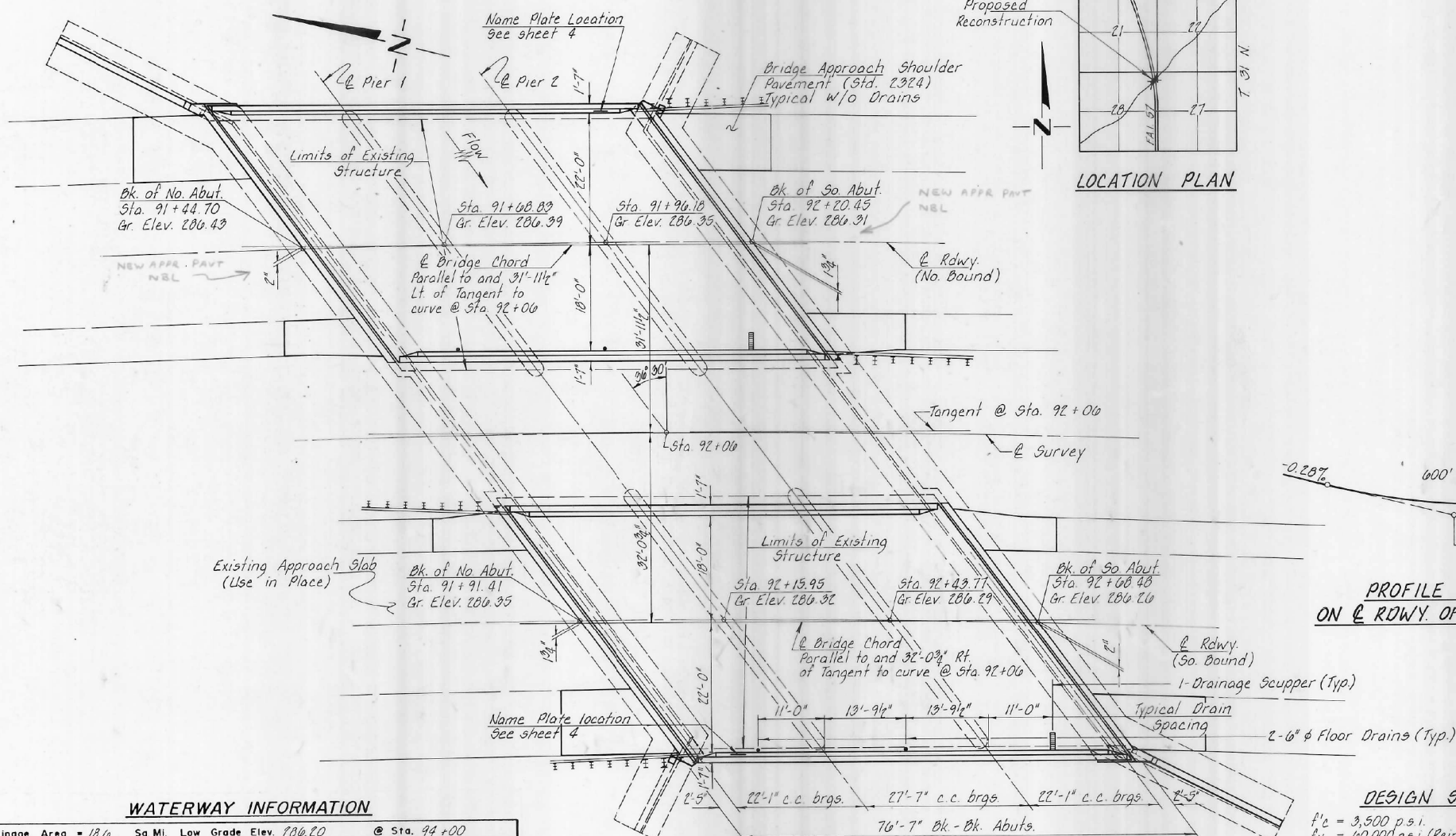
Note: Existing name plates shall be cleaned and relocated. New name plates. Cost shall be incidental to Name Plates. See sheet 4 for details.

Traffic Barrier Terminal, Type 6
(Typ. @ Approach Side Only)

ELEVATION



LOCATION PLAN



PROFILE GRADE ON & RDWY. OF EACH BRIDGE

FIELD CURVE DATA

P.I. Sta. 96+93.50
 $\Delta = 14^\circ 27' 44''$
 $D = 0^\circ 56' 47''$
 $R = 6,054.0'$
 $T = 708.14'$
 $L = 1,528.11'$
 $E = 48.54'$
 $SE = 0.02'/ft.$

WATERWAY INFORMATION

Drainage Area = 18.6		Sq. Mi.		Low Grade Elev. 266.20		@ Sta. 94+00			
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Not. H.W.E.	Head Ft.	Headwater Elev.	Exist.	Prop.	Exist.
Design	50	1,133	343	280.5	0.10	280.60	280.60	280.60	
Base	100	1,291	371	281.1	0.12	281.22	281.22	281.22	
Overtopping									
Max. Calc.	500	1,644	380	281.3	0.13	281.43			

DESIGN STRESSES

$f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Reinforcement)
LOAD FACTOR
DESIGN
LOADING H920-44 & Alt. Military Loading
Design Specifications: 1983 AASHTO, 1984-8 Interims
25% of 59 ft. included in dead load for future wearing surface.
 $f_y = 36,000$ p.s.i.

GENERAL PLAN & ELEVATION
F.A.I. ROUTE 57 OVER SOLDIER CREEK
SECTION 139 BR-2
KANKAKEE COUNTY
STATION 92+06

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED J.K.K. CHECKED Z.B.U.
DRAWN M.B. & J.B. DATE 2-20-86 NO. 2006

SOLDIER CREEK 7/11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 15 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-381	KANKAKEE	76	37
CONTRACT NO. 66E67				

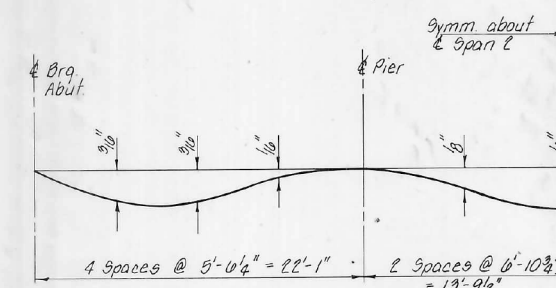
ILLINOIS FED. AID PROJECT

USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

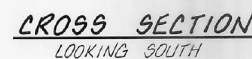
Sheet 3 of 11

MIN. BAR LAPS

#4	_____	1'-9" (Shear)
#5	_____	2'-2" (Shear)
#6	_____	2'-1"
#8	_____	3'-8"
#9	_____	4'-8"



DEAD LOAD DEFLECTION DIAGRAM



SUPERSTRUCTURE
F.A.I. ROUTE 57
SECTION 139 BR-2
KANKAKEE COUNTY
STATION 92+06

COLLINS AND RICHARDS
CONSULTING ENGINEERS

DESIGNED Z.B.U. CHECKED J.K.K.
DRAWN M.B. DATE 2-20-86 NO 2006

SOLDIER CREEK 3/11

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 16 OF 26 SHEETS

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	38
CONTRACT NO. 66E67				
ILLINOIS		FED. AID PROJECT		

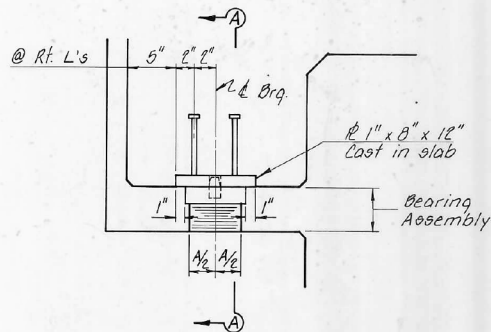
MODEL: Default
FILE NAME: pw:\3\1084EBID\INTEG.illinois.gov\PWIDOT\Documents\DOT Office\District 3\Projects\EP03204\CADData\CADsheets\0366E67-018-Existing Plans.dgn
2/1/2019 2:43:15 PM

USER NAME =	DESIGNED - MTH	REVISED -
	CHECKED - VPT	REVISED -
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

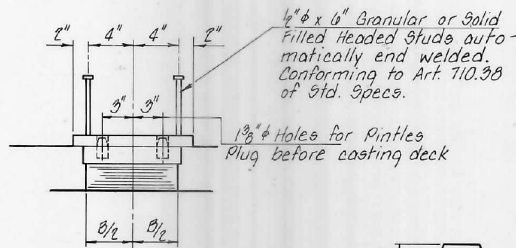
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	76	40
FED. ROAD DIST. NO. 7	(46-2, 46-3) RS-381	KANKAKEE	76	40
			CONTRACT NO. 66E67	
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	76	40
FED. ROAD DIST. NO. 7	(46-2, 46-3) RS-381	KANKAKEE	76	40
			CONTRACT NO. 66E67	
		ILLINOIS	FED. AID PROJECT	

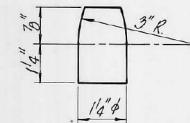
Sheet 7 of 11



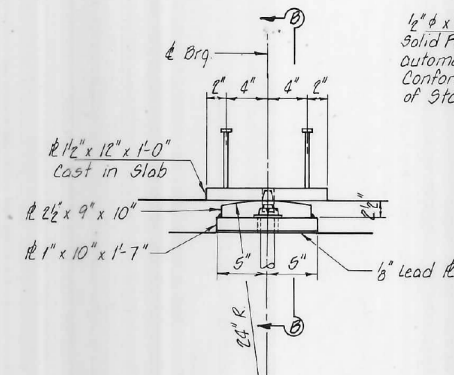
SECTION AT ABUT.



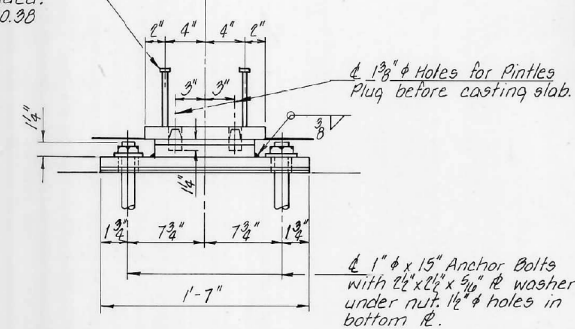
SECTION A-A



PINTLE

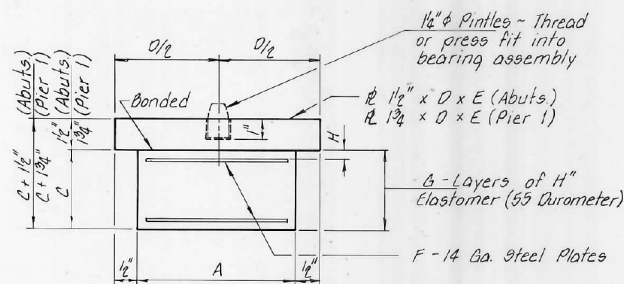


SECTION AT PIER 2



SECTION B-B

FIXED BEARING
No Required

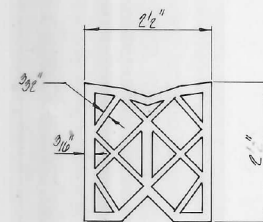


BEARING ASSEMBLY

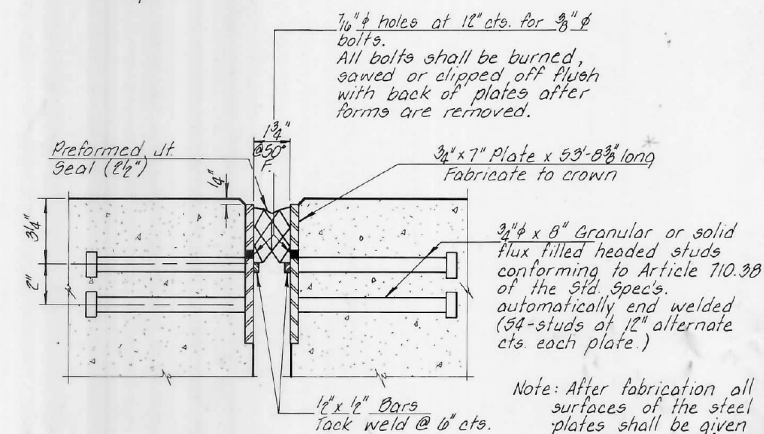
Note: Shim plates shall not be placed under Bearing Assembly.

LOCATION	A	B	C	D	E	F	G	H
N. Abut	5"	8"	17"	6"	10"	5"	6"	14"
Pier 1	"	1"	11"	7"	12"	2"	3"	5 1/2"
S. Abut	5"	8"	7"	6"	10"	2"	3"	14"

Quantity = 10, Each Location



PREFORMED JOINT SEAL (2 1/2")



CROSS SECTION

* Furnish in segments of 20 maximum length. Maximum space between installed segments shall be 3/8". Seal space with Silicone Sealant suitable for structural steel.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Preformed Joint Seal (2 1/2")	Lin. Ft.	216
Structural Steel (Expansion Jt.)	Pound	8,610
Structural Steel (Bearings)	Pound	4,810
Elastomeric Bearing Assembly, Type I	Each	48

BEARING & EXPANSION DETAILS
F.A.I. ROUTE 57
SECTION 139 BR-2
KANKAKEE COUNTY
STATION 92+00

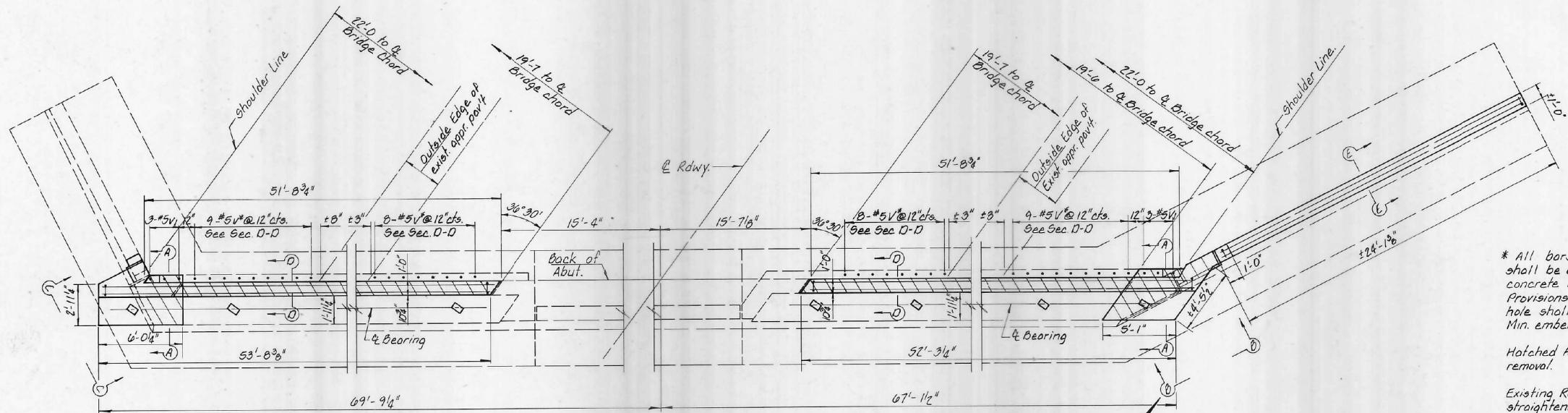
COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED Z.B.U.
DRAWN M.G.
CHECKED J.K.K.
DATE 2-20-86 NO. 20006

SOLDIER CREEK 7/11

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	82	24
FED. ROAD DIST. NO. 7			ILLINOIS PROJECT	

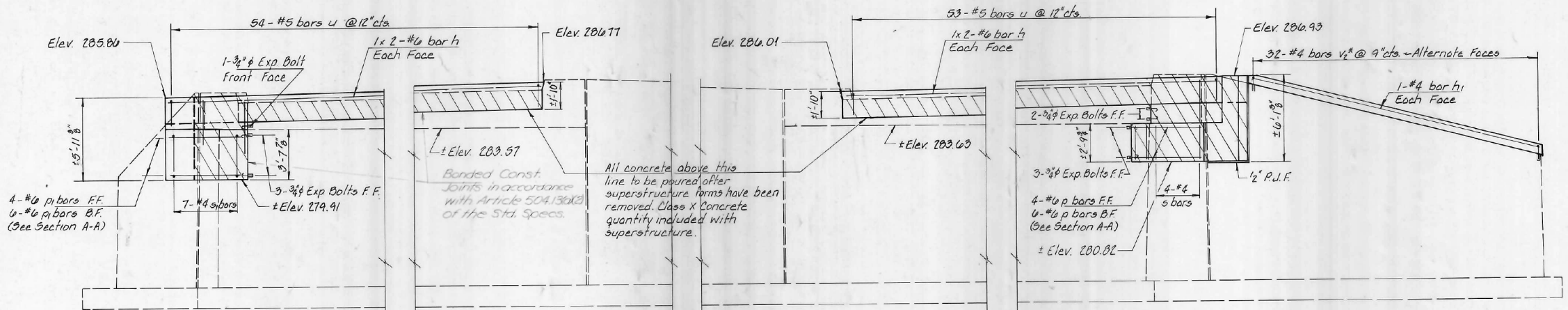
Sheet 8 of 11



PLAN ~ NORTH ABUTMENT

NOTES

- * All bars designated with an asterisk (*) shall be epoxy grouted into existing concrete in accordance with Special Provisions 85P-11. Min. diameter of drill hole shall be bar diameter plus 1/4". Min. embedment is 6".
- Hatched Area indicates area of concrete removal.
- Existing Reinforcement to be cleaned, straightened and incorporated in new construction.
- Set new bearing seat elevation flush with existing seat elevation.



ELEVATION ~ NORTH ABUTMENT
(Looking North)

MIN. BAR LAP
#6 _____ 2'-1"

Work this sheet with sheet 10.

NORTH ABUTMENT			
F.A.I. ROUTE 57			
SECTION 139 BR-2			
KANKAKEE COUNTY			
STATION 92+00			
COLLINS AND RICE			
CONSULTING ENGINEERS			
DESIGNED J.K.K.	CHECKED Z.B.U.		
DRAWN K.G.	DATE 2-20-86	NO. 2006	

SOLDIER CREEK 8/11

MODEL: Default
FILE NAME: pw:\3\1084EBID\INTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADSheets\0366E67-019-Existing Plans.dgn
2/1/2019 2:44:26 PM

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME =	DESIGNED - MTH	REVISED -
CHECKED - VPT	REVISED -	
PLOT SCALE =	DRAWN - DAS	REVISED -
PLOT DATE =	CHECKED - MTH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 046-0012 & 046-0013**

SHEET 19 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-381	KANKAKEE	76	41
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

USER NAME =	DESIGNED - MTH	REVISED -
PLOT SCALE =	CHECKED - VPT	REVISED -
PLOT DATE =	DRAWN - DAS	REVISED -
	CHECKED - MTH	REVISED -

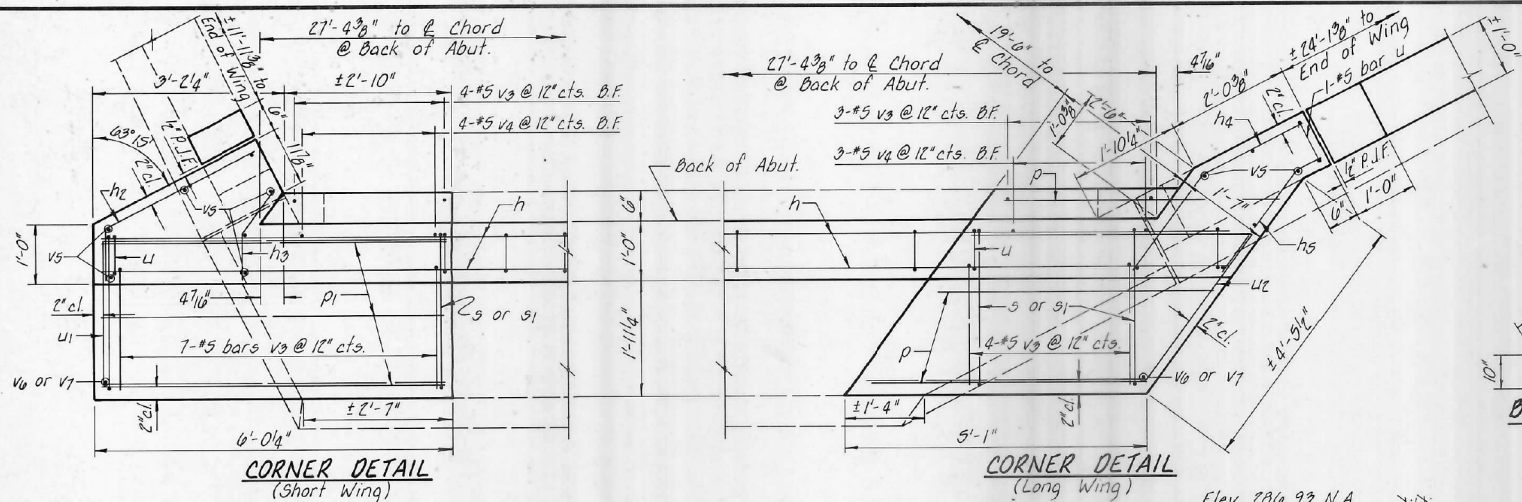
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 046-0012 & 046-0013

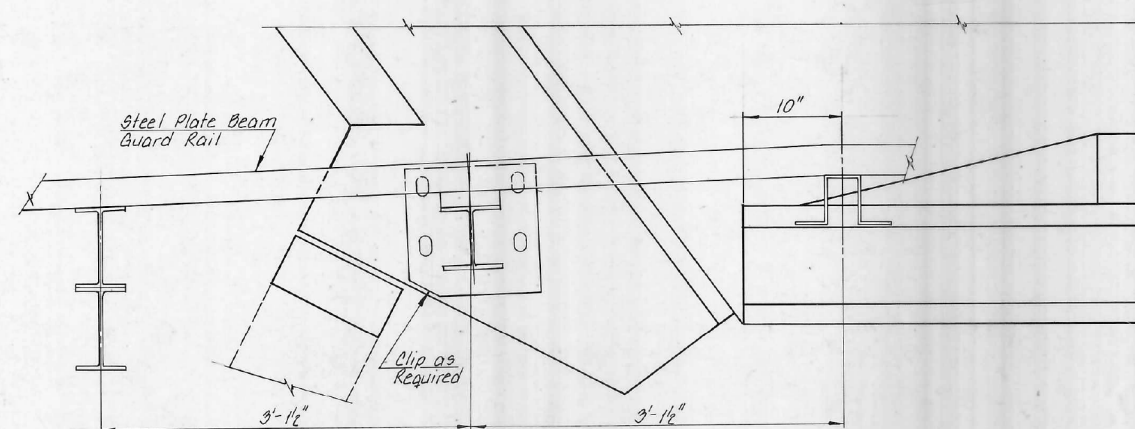
SHEET 21 OF 26 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	82	20
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

Sheet 10 of 11



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	199BR-2	KANKAKEE	02	2
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	



PLAN

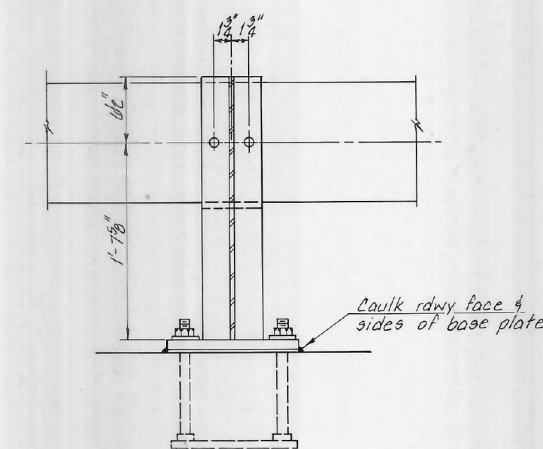
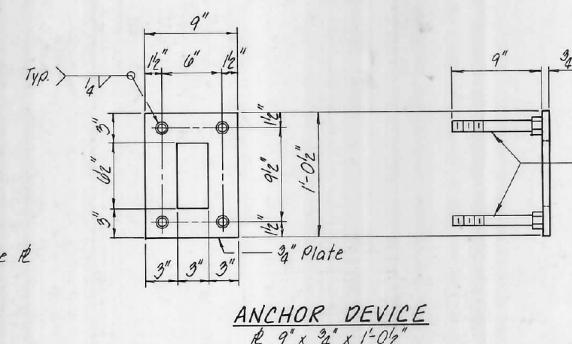
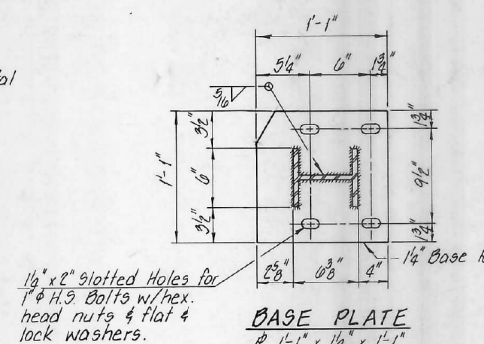
NOTES

Steel posts shall conform to the requirements of AASHTO M-223, Grade 50.

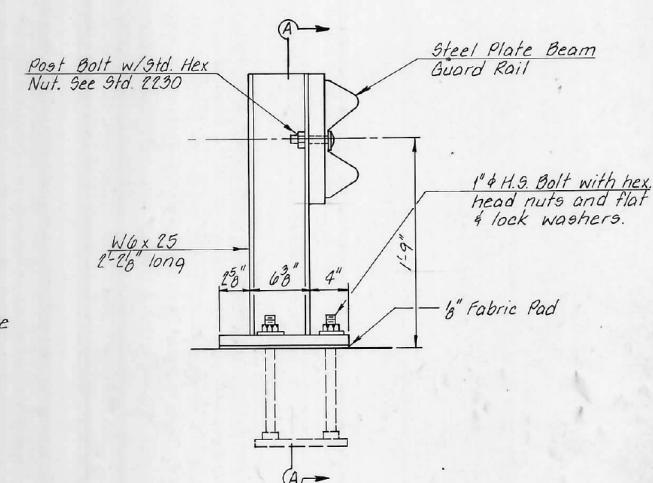
The 1" H. S. Bolts connecting the base plate to the anchor device shall be tightened to a snug fit and given an additional $\frac{1}{2}$ turn.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The cost of the railing, post, base plates and anchor devices, as well as installation and other incidental materials, shall not be paid for separately, but shall be considered incidental to TRAFFIC BARRIER TERMINAL, TYPE 0.



SECTION A-A



SECTION AT RAIL POST

SPECIAL RAILING DETAIL
F.A.I. ROUTE 57
SECTION 139 BR-2
KANKAKEE COUNTY
STATION 92+06

F.A.I. ROUTE 57
SECTION 139 BR-
ANKAKEE COLIN
STATION 92+00

SECTION 139 BR-2
KANKAKEE COUNT
STATION 92+06

STATION 92+00

STATION 92+00

COLLINS AND RICE
CONSULTING ENGINEERS

CONSULTING ENGINEERS

DESIGNED J.K.K.
DRAWN M.G.

CHECKED *7 B*

DESIGNED J.R.K.
DRAWN M.G.

DATE _____

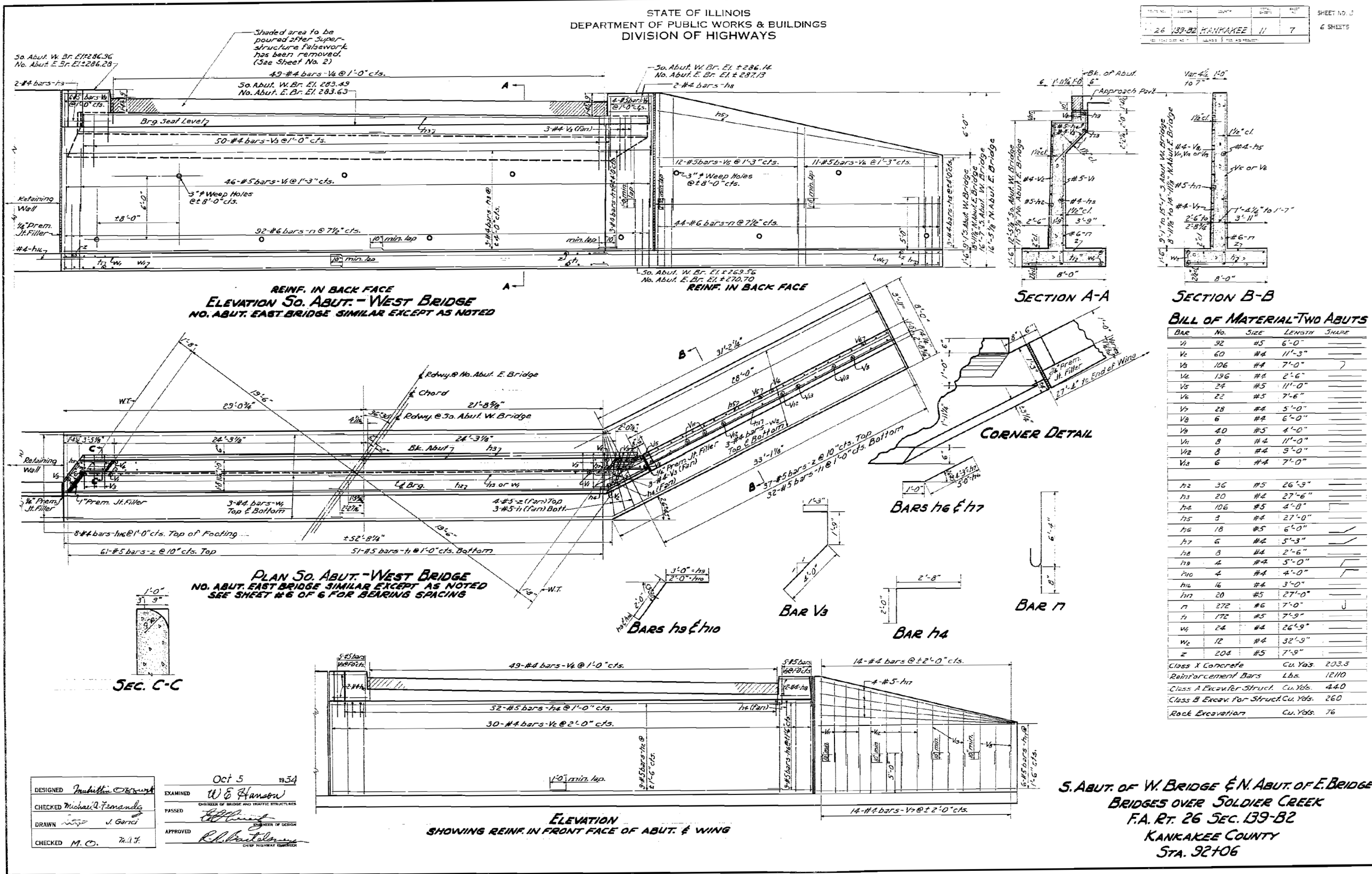
NO. 200

SOLDIER CREEK 11/11

MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG.illinois.gov\PROJECTS\EP03204\CADD\Drawings\0366E67-023-Existing Plans.dgn
2/1/2019 2:51:04 PM

DESIGNED - MTH	DESIGNED - MTH	REVISED -
CHECKED - VPT	CHECKED - VPT	REVISED -
PLOT SCALE -	DRAWN - DAS	REVISED -
PLOT DATE -	CHECKED - MTH	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-381	KANKAKEE	76	45
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT - Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-024-Existing Plans.dgn
2/1/2019 2:52:02 PM

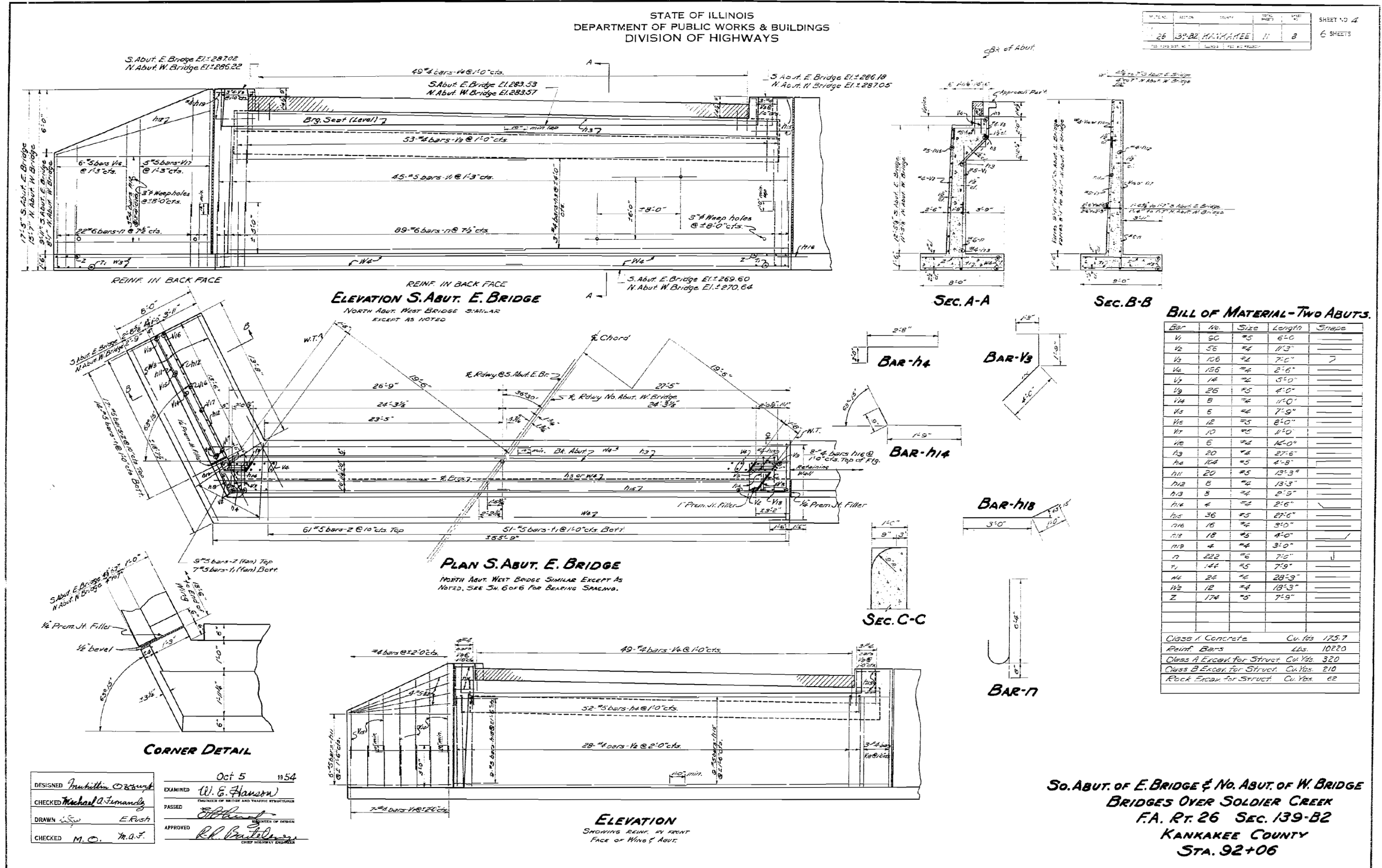


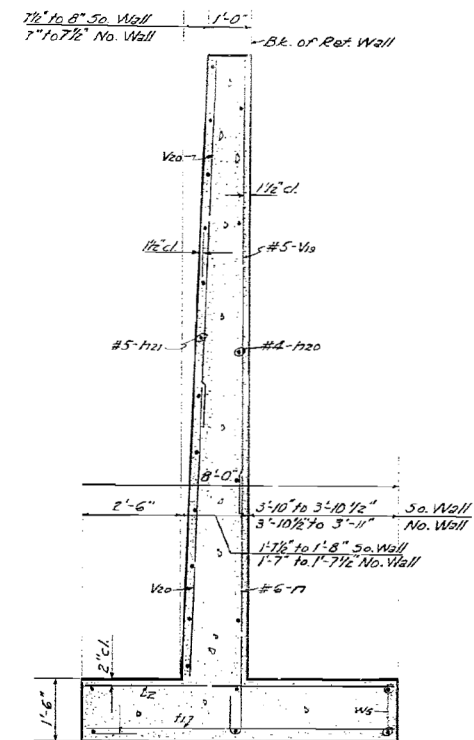
USER NAME =	DESIGNED - MTH	REVISED -
PLOT SCALE =	CHECKED - VPT	REVISED -
PLOT DATE =	DRAWN - DAS	REVISED -
	CHECKED - MTH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NOS. 046-0012 & 046-0013

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-381	KANKAKEE	76	46
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

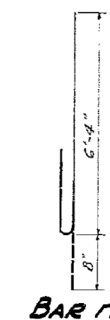




TYPICAL SECTION THRU RETAINING WALL

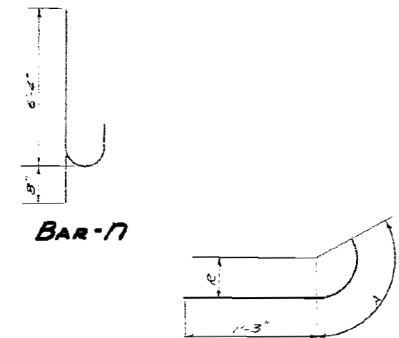
BAR	N ₀	SIZE	LENGTH	SHAPE
h ₂₀	10	#4	22'-9"	_____
h ₂₁	22	#5	22'-9"	_____
V ₁₃	38	#5	11'-9"	_____
V ₂₀	48	#4	8'-3"	_____
17	76	#6	7'-0"	_____ J
w ₅	12	#4	22'-5"	_____
r ₁	48	#5	7'-9"	_____
z	56	#5	7'-9"	_____

Class X Concrete	Cu Yds.	54.4
Reinforcement Bars	Lbs.	3230
Class A Excavation for Struct	Cu. Yds.	95
Class B Excavation for Struct	Cu. Yds.	70
Rock Excavation for Struct	Cu Yds.	21



Note: Reinforcement bars-h16
are billed with Abutments.

DESIGNED	<i>Frederick O. Brown</i>	Oct 5	1954
CHECKED	<i>Michael B. Semansky</i>	EXAMINED	<i>W. E. Hanson</i> CHIEF OF BRIDGE AND TRAFFIC STRUCTURE
DRAWN	<i>Step J. Garaci</i>	PASSED	<i>C. H. King</i> CHIEF OF DESIGN
CHECKED	<i>M. O. M. J. J.</i>	APPROVED	<i>R. B. B. B. B.</i>

[illegible]

DETAIL OF BAR HI

BILL OF MATERIAL - PIERS #1 & 2 E. & W. BRIDGE

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
Y	464	#5	7'-3"	—	h	176	#5	27'-0"	—
n	484	#6	7'-0"	J	n	176	#5	4'-0"	—
f	232	#5	4'-6"	—					
W	40	#4	29'-0"	—					

Class 4' Concrete	Cu Yds	316.0
Reinforcement Bars	Los	15940
Class B' Excavation for Structures	Cu Yds	24
Rock Excavation for Structures	Cu Yds	60

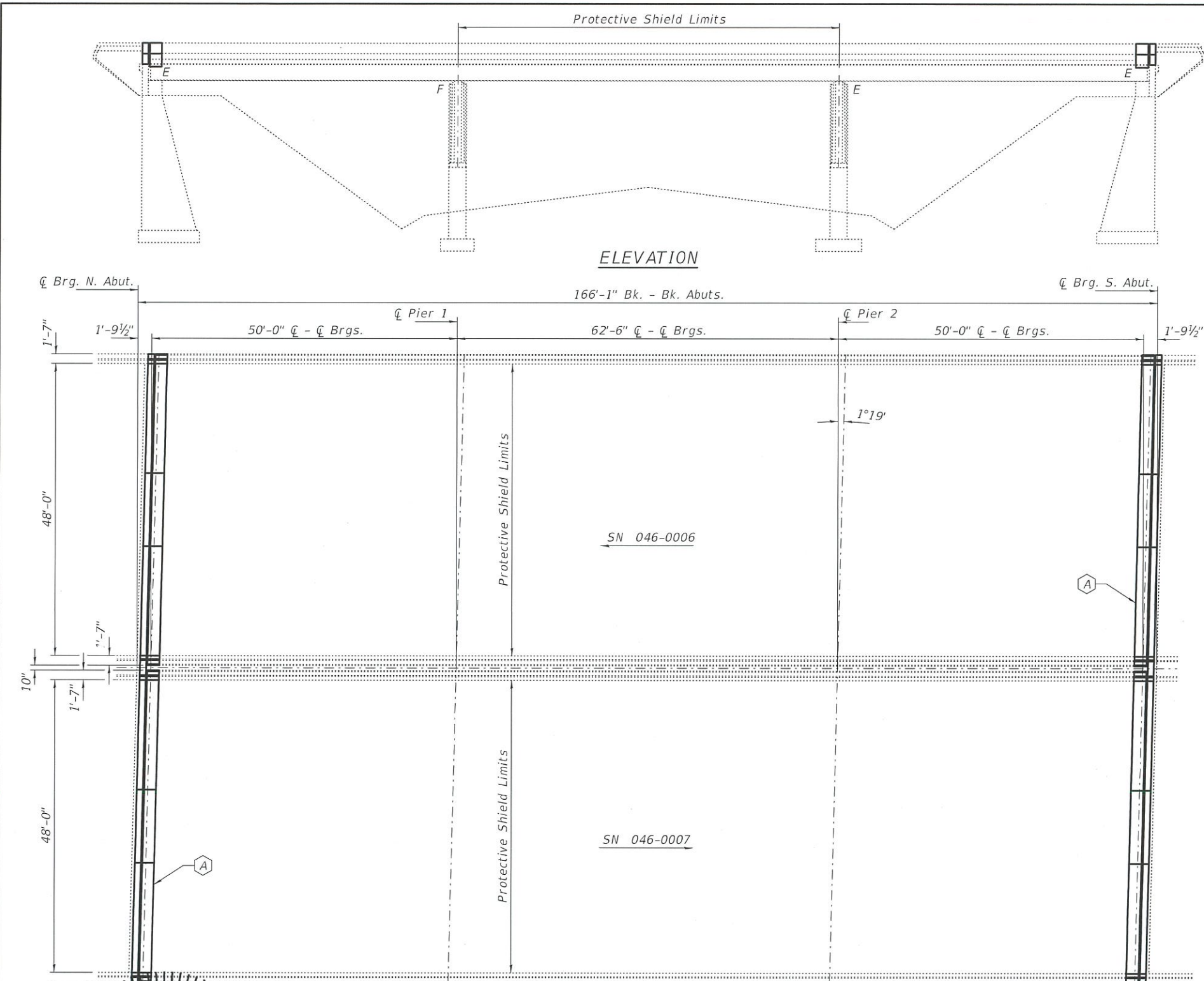
PIERS 1 & 2
BRIDGES OVER SOLDIER CREEK
F.A. RTE. 26 SEC. 139-B2
KANKAKEE COUNTY
STA. 92+06

Not to Scale



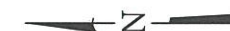
STRUCTURE NOS. 046-0012(SB) & 046-0013(NB)

USER NAME = _____	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAUSEWAY PLAN FOR INFORMATION ONLY	F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - _____	REVISED - _____			57	(46-2, 46-3) RS-3&I	KANKAKEE	76	49	
PLOT SCALE = _____	DRAWN - _____	REVISED - _____			SHEET 1 OF 1 SHEETS					
PLOT DATE = _____	CHECKED - _____	REVISED - _____								
			CONTRACT NO. 66E67							
			ILLINOIS FED. AID PROJECT							



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ " $\varnothing$, open holes $1\frac{1}{4}$ " $\varnothing$, unless otherwise noted.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
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.
Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
Reinforcement bars designated (E) shall be epoxy coated.
The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.



PLAN

(A) Joint Repair

For Deck Slab Repair (See sheet 5 of 8 for locations.)

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	32
Concrete Superstructure	Cu. Yd.	31.8
Reinforcement Bars, Epoxy Coated	Pound	5520
Deck Slab Repair (Partial)	Sq. Yd.	20
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	11
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	3
Preformed Joint Strip Seal	Foot	200
Bar Splicers	Each	96
Protective Shield	Sq. Yd.	600
* Protective Coat	Sq. Yd.	77

* Apply to new concrete only.

EXPIRES 11-30-2020

DESIGNED - *Hammed Salih*
CHECKED - *Corey D. Burdell*
DRAWN - *daburdell*
CHECKED - *HSS/CPK*

EXAMINED - *Timothy A. Delt*
PASSED - *Shawn C. Pappas*
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

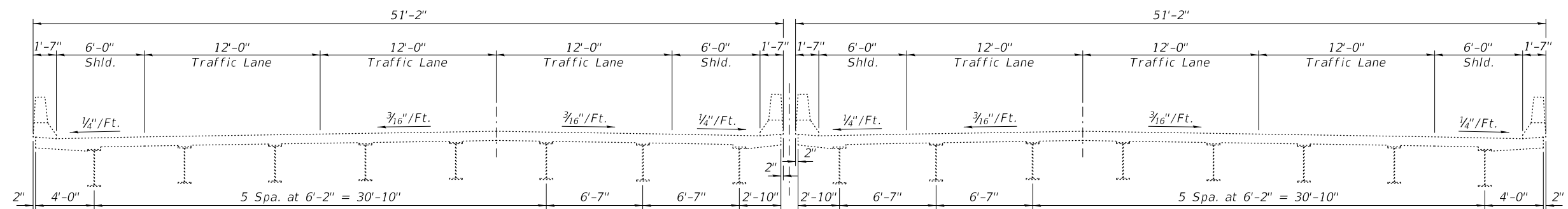
DATE - MARCH 19, 2019
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

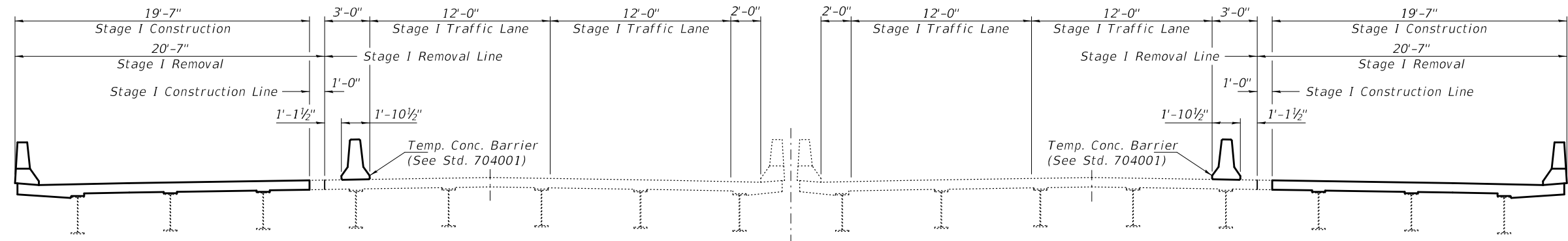
PLAN AND ELEVATION
FAI 57 OVER IL RTE 17
SN 046-0006 (NB) & 046-0007 (SB)

SHEET NO. 1 OF 8 SHEETS

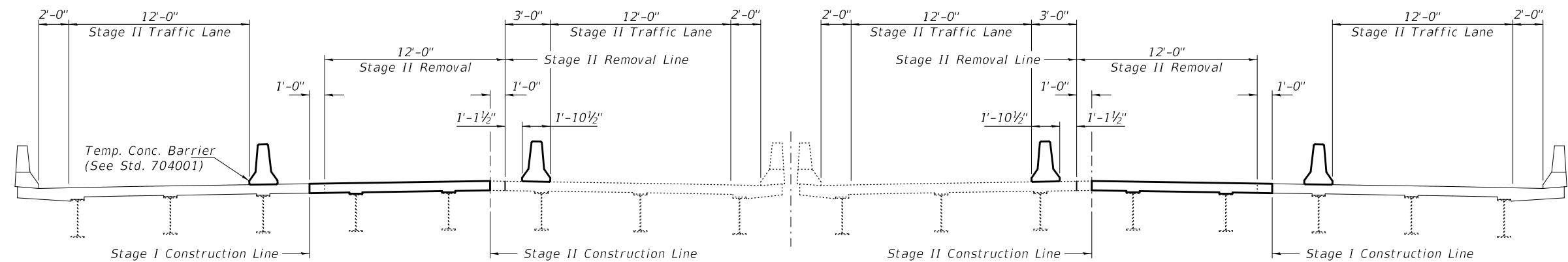
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	50
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



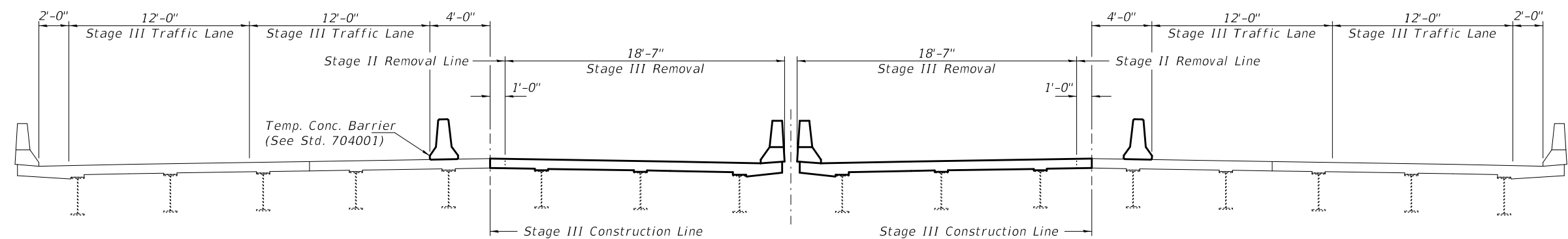
CROSS SECTION
(Looking South)



CROSS SECTION - STAGE I
(Looking South)

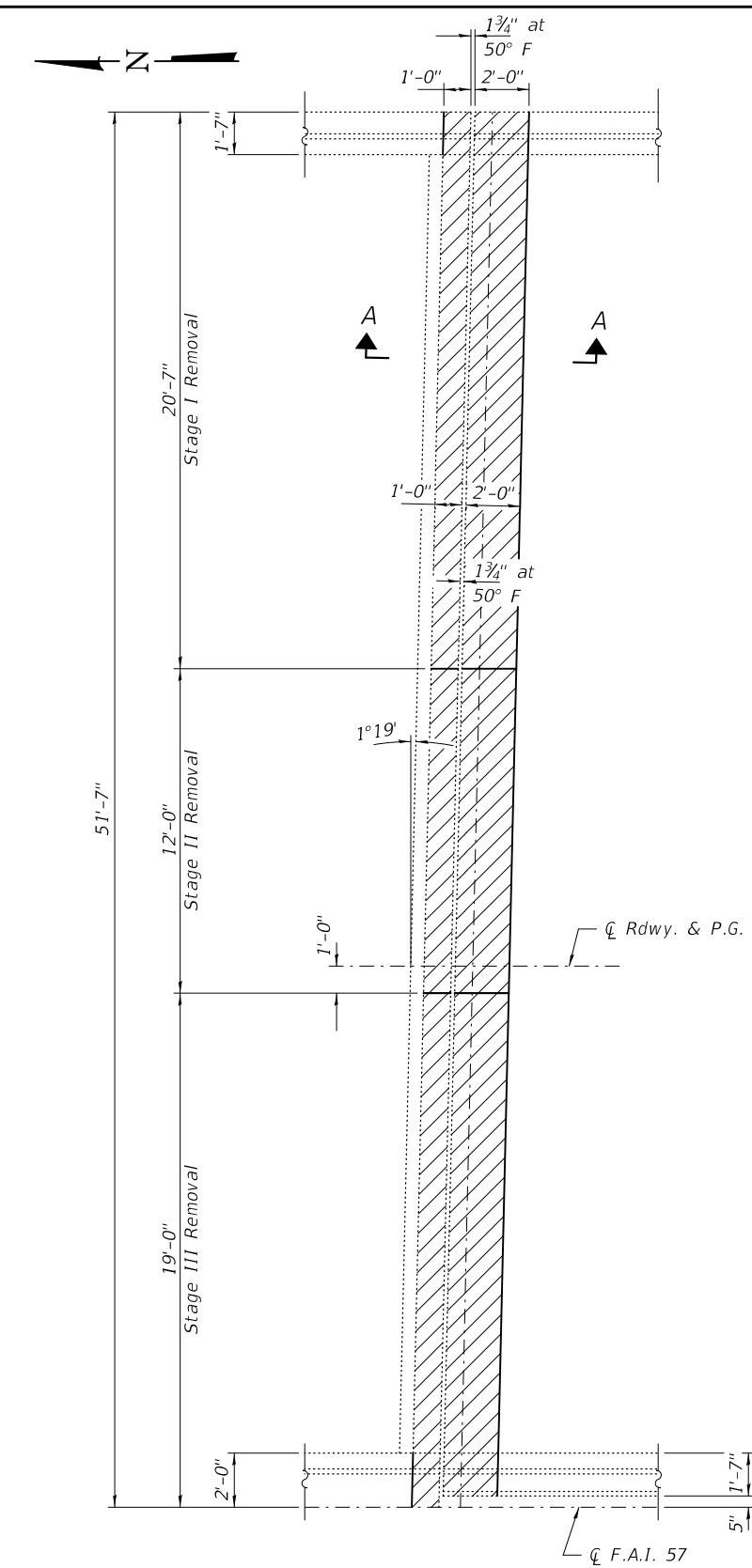


CROSS SECTION - STAGE II
(Looking South)



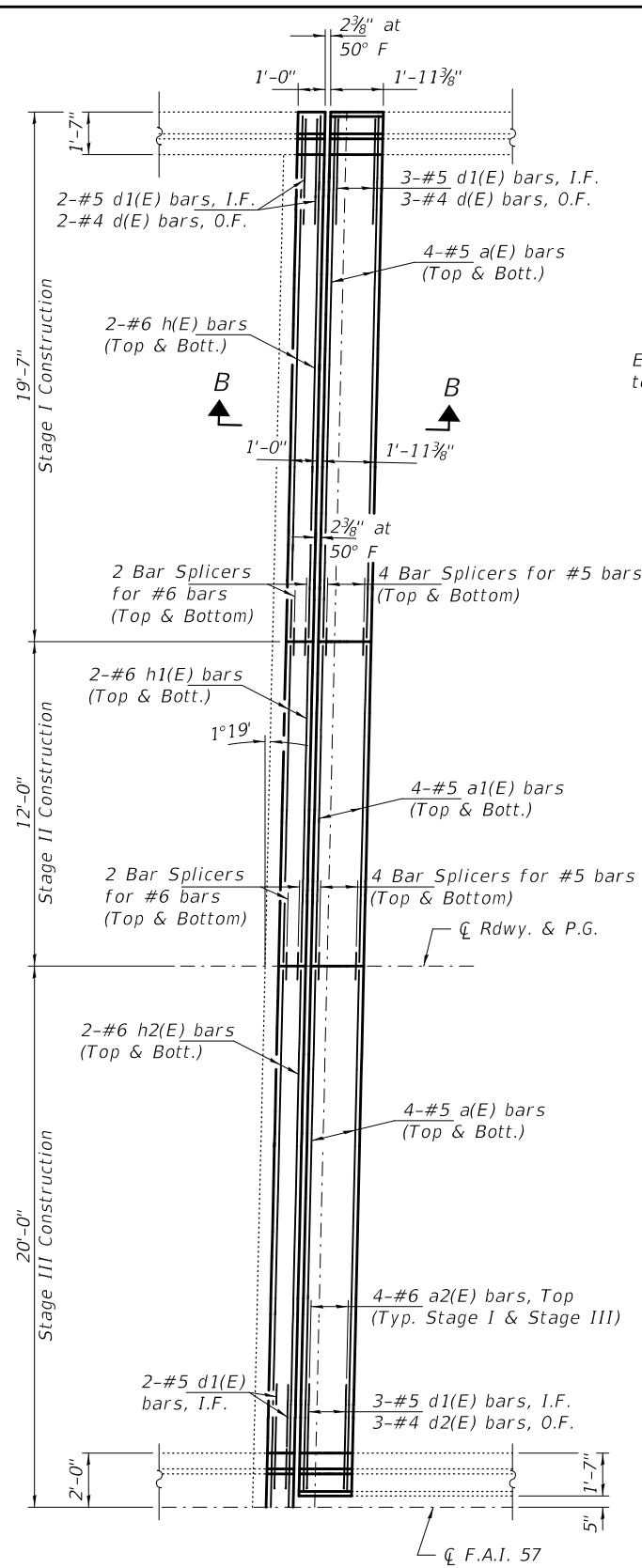
CROSS SECTION - STAGE III
(Looking South)

DESIGNED - HSS	EXAMINED Timothy A. DeGisi ENGINEER OF STRUCTURAL SERVICES	DATE - MARCH 19, 2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION SN 046-0006 (NB) & 0007 (SB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - CDK		PASSED Carl Perry ENGINEER OF BRIDGES AND STRUCTURES			REVISED -	57	(46-2, 46-3) RS-3&I	KANKAKEE	76	51
DRAWN - daburdell					REVISED -	CONTRACT NO. 66E67				
CHECKED - HSS CDK						ILLINOIS FED. AID PROJECT				
			SHEET NO. 2 OF 8 SHEETS							



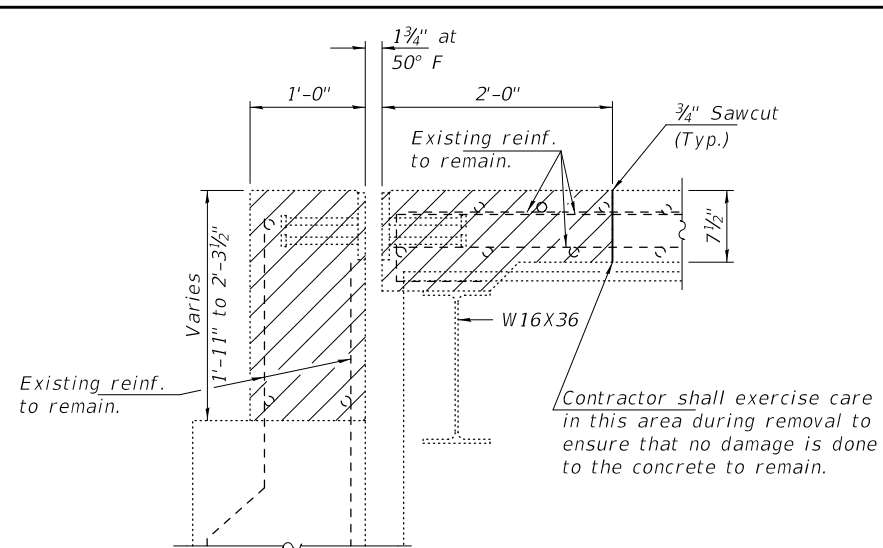
REMOVAL PLAN

North Abut. of SN 046-0006 shown,
North Abut. of SN 046-0007 similar
by mirroring along $\bar{C}$ F.A.I. 57.

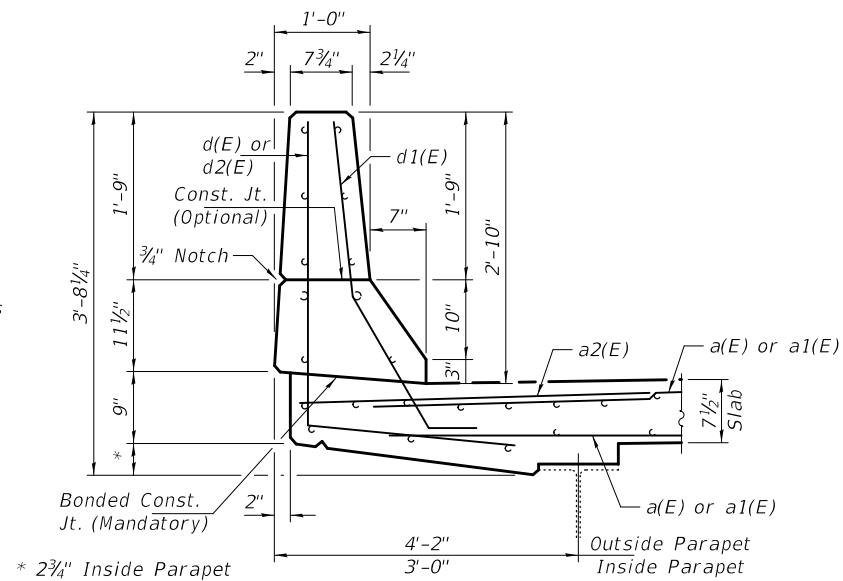


REPLACEMENT PLAN

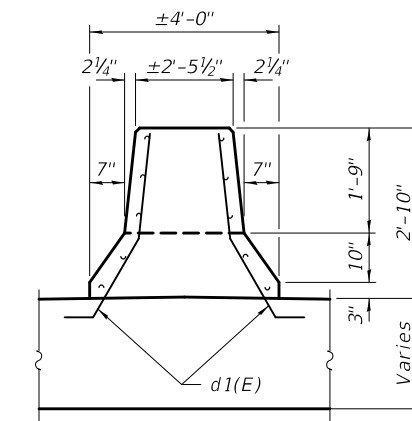
North Abut. of SN 046-0006 shown,
North Abut. of SN 046-0007 similar
by mirroring along $\bar{C}$ F.A.I. 57.



SECTION A-A

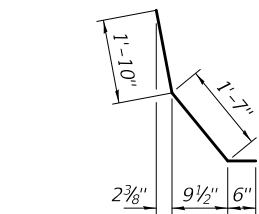


SECTION THRU BRIDGE PARAPET

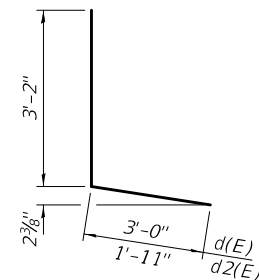


TYPICAL SECTION THRU INSIDE APPROACH PARAPET

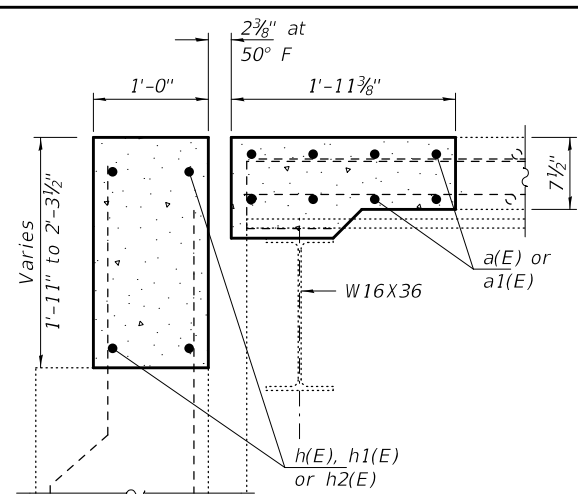
Note:
Existing longitudinal reinforcement
bars is to remain.



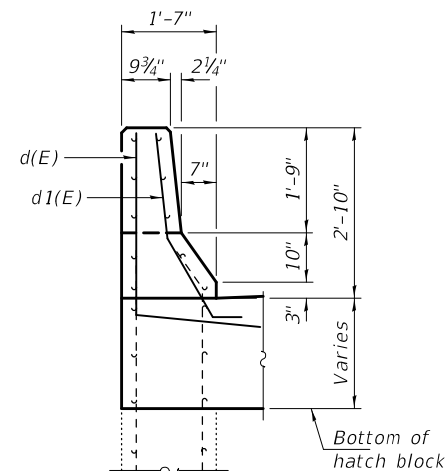
BAR d1(E)



BAR d(E) & d2(E)



SECTION B-B



TYPICAL SECTION THRU OUTSIDE APPROACH PARAPET

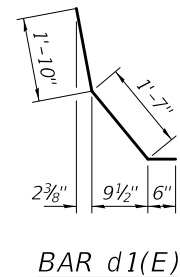
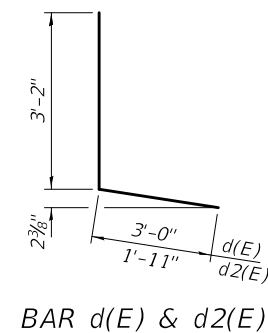
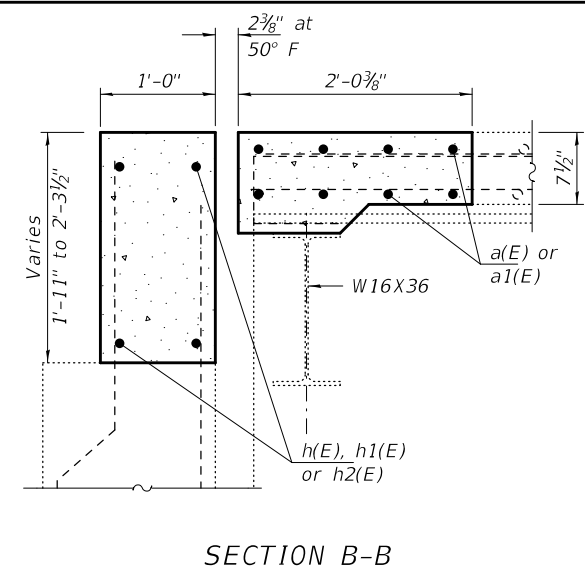
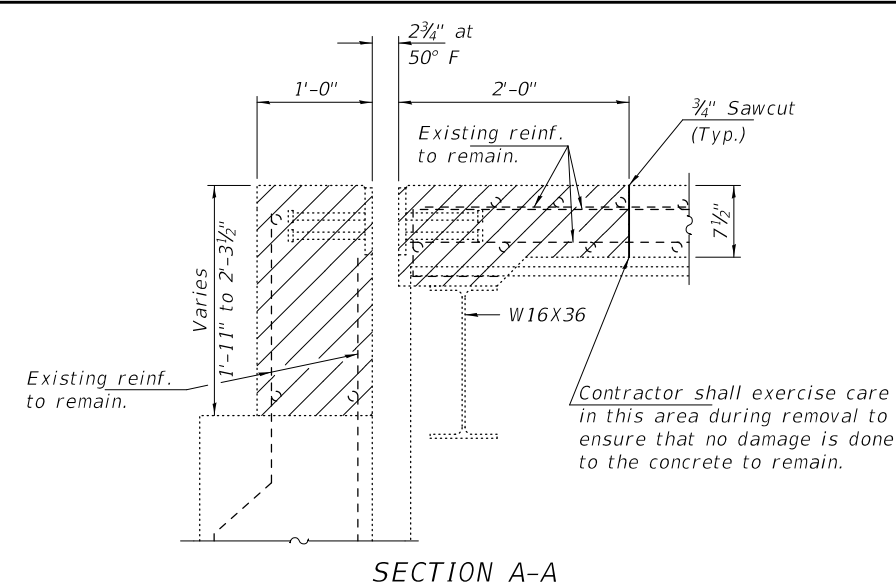
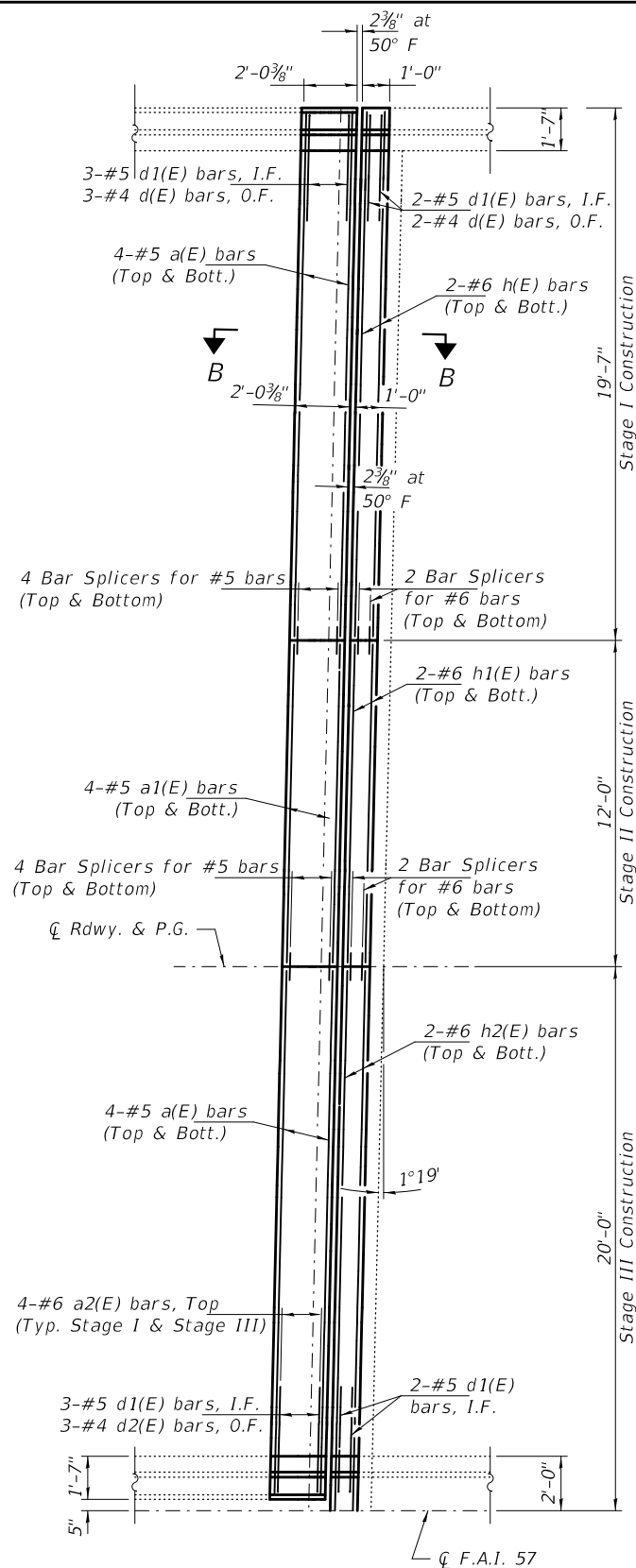
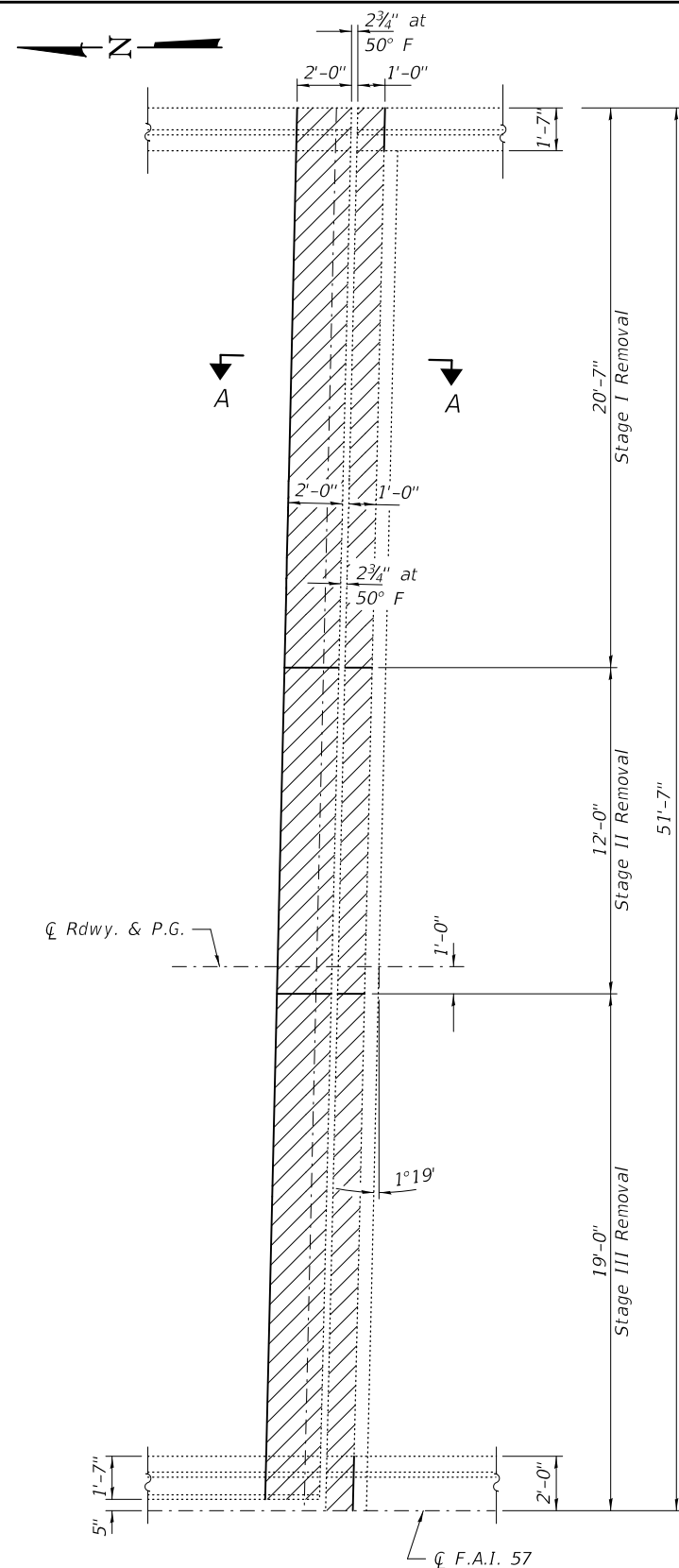
Note:
Existing longitudinal reinforcement
bars is to remain.

BILL OF MATERIAL - NORTH ABUT.

Bar	No.	Size	Length	Shape
a(E)	32	#5	19'-1"	—
a1(E)	16	#5	11'-8"	—
a2(E)	16	#6	4'-0"	—
d(E)	10	#4	6'-2"	J
d1(E)	20	#5	3'-11"	J
d2(E)	6	#4	5'-1"	J
h(E)	16	#6	19'-1"	—
h1(E)	16	#6	11'-8"	—
h2(E)	16	#6	39'-8"	—
Concrete Removal			Cu. Yd.	16
Concrete Superstructure			Cu. Yd.	15.8
Reinforcement Bars, Epoxy Coated			Pound	2760
Bar Splicers			Each	48

Reinforcement bars designated (E) shall be epoxy coated.

DESIGNED - HSS	EXAMINED  ENGINEER OF STRUCTURAL SERVICES	DATE - MARCH 19, 2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPLACEMENT DETAILS - NORTH ABUTMENT SN 046-0006 (NB) & 0007 (SB)	SHEET NO. 3 OF 8 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - CDK		PASSED  ENGINEER OF BRIDGES AND STRUCTURES				REVISED -	57	(46-2, 46-3) RS-3&I	KANKAKEE	76	52
DRAWN - daburdell						REVISED -	CONTRACT NO. 66E67				
CHECKED - HSS CDK						ILLINOIS FED. AID PROJECT					



BILL OF MATERIAL - SOUTH ABUT.

Bar	No.	Size	Length	Shape
a(E)	32	#5	19'-1"	————
a1(E)	16	#5	11'-8"	————
a2(E)	16	#6	4'-0"	————
d(E)	10	#4	6'-2"	┐
d1(E)	20	#5	3'-11"	┐
d2(E)	6	#4	5'-1"	┐
h(E)	16	#6	19'-1"	————
h1(E)	16	#6	11'-8"	————
h2(E)	16	#6	39'-8"	————
Concrete Removal			Cu. Yd.	16
Concrete Superstructure			Cu. Yd.	16
Reinforcement Bars, Epoxy Coated			Pound	2760
Bar Splicers			Each	48

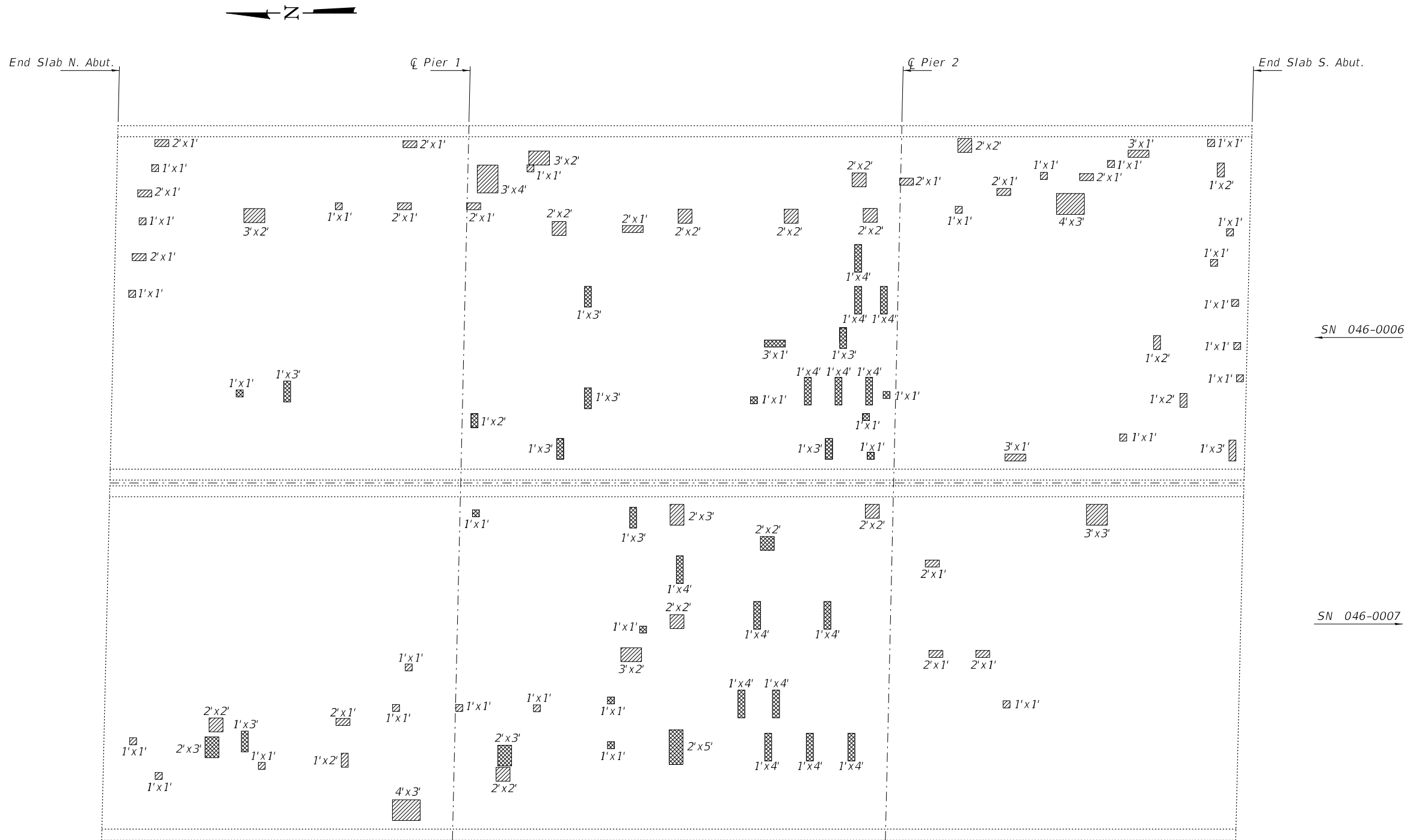
Reinforcement bars designated (E) shall be epoxy coated.

DESIGNED - HSS	 ENGINEER OF STRUCTURAL SERVICES  ENGINEER OF BRIDGES AND STRUCTURES	DATE - MARCH 19, 2019
CHECKED - CDK		
DRAWN - daburdell		REVISED -
CHECKED - HSS CDK		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

JOINT REPLACEMENT DETAILS - SOUTH ABUTMENT
SN 046-0006 (NB) & 0007 (SB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	53
		CONTRACT NO. 66E67		
ILLINOIS		FED. AID PROJECT		



PLAN

-  Indicates Deck Slab Repair (Partial)
-  Indicates Deck Slab Repair (Full Depth Type I or Type II)

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Partial)	Sq. Yd.	20
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	11
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	3

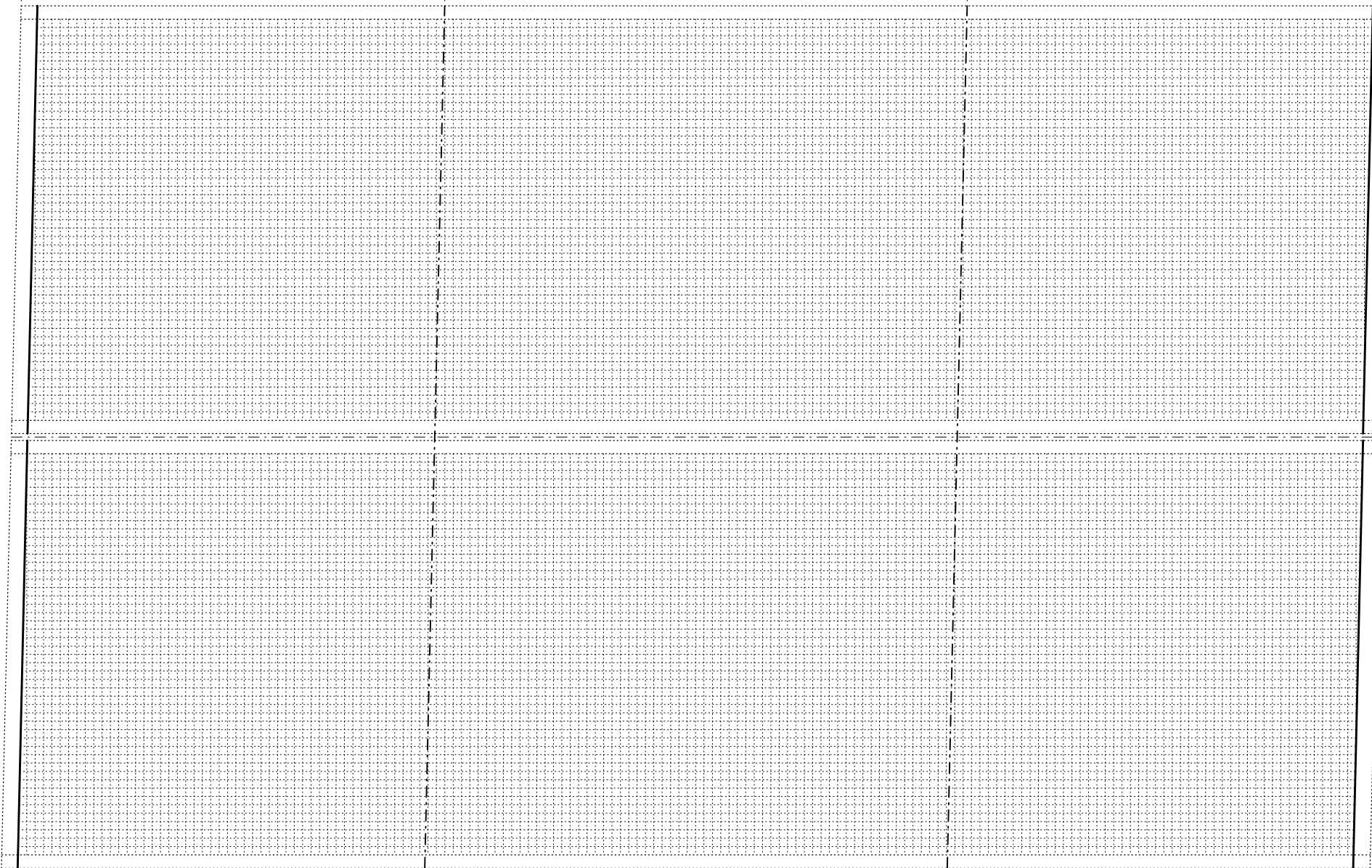


End Slab N. Abut.

℄ Pier 1

℄ Pier 2

End Slab S. Abut.



SN 046-0006

SN 046-0007

PLAN

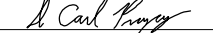


Indicates Deck Slab Repair (Partial)



Indicates Deck Slab Repair
(Full Depth Type I or Type II)

DESIGNED - HSS
CHECKED - CDK
DRAWN - daburdell
CHECKED - HSS CDK

EXAMINED	 ENGINEER OF STRUCTURAL SERVICES
PASSED	 ENGINEER OF BRIDGES AND STRUCTURES

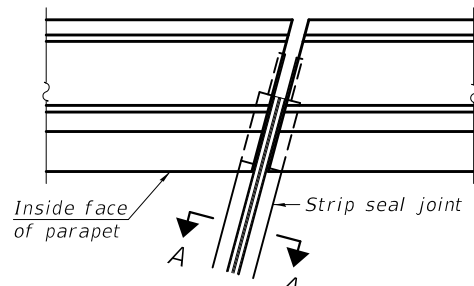
DATE - MARCH 19, 2019
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT DECK SLAB REPAIRS
SN 046-0006 (NB) & 0007 (SB)

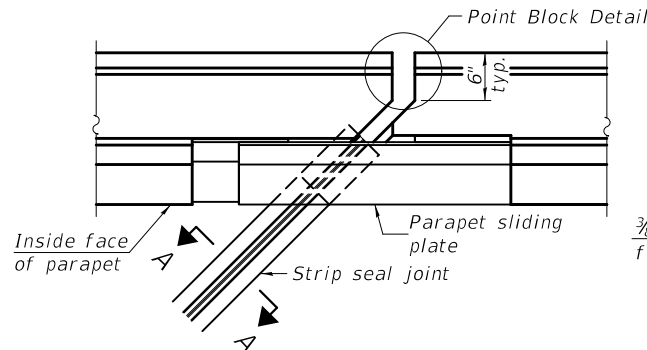
SHEET NO. 6 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	55
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

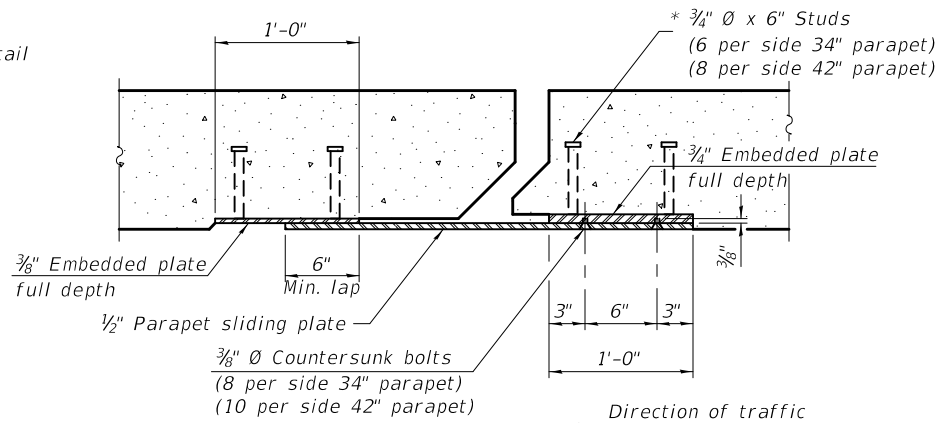


FOR SKEWS $\leq 30^\circ$

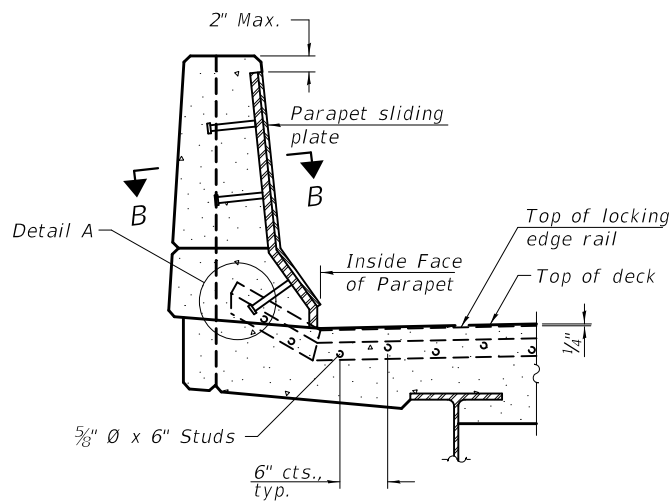
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

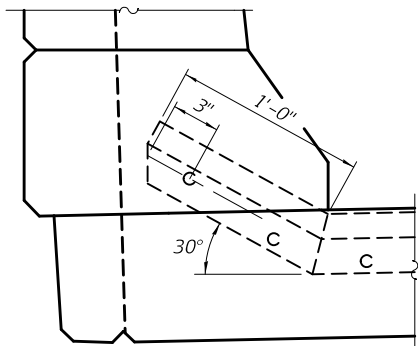


SECTION B-B

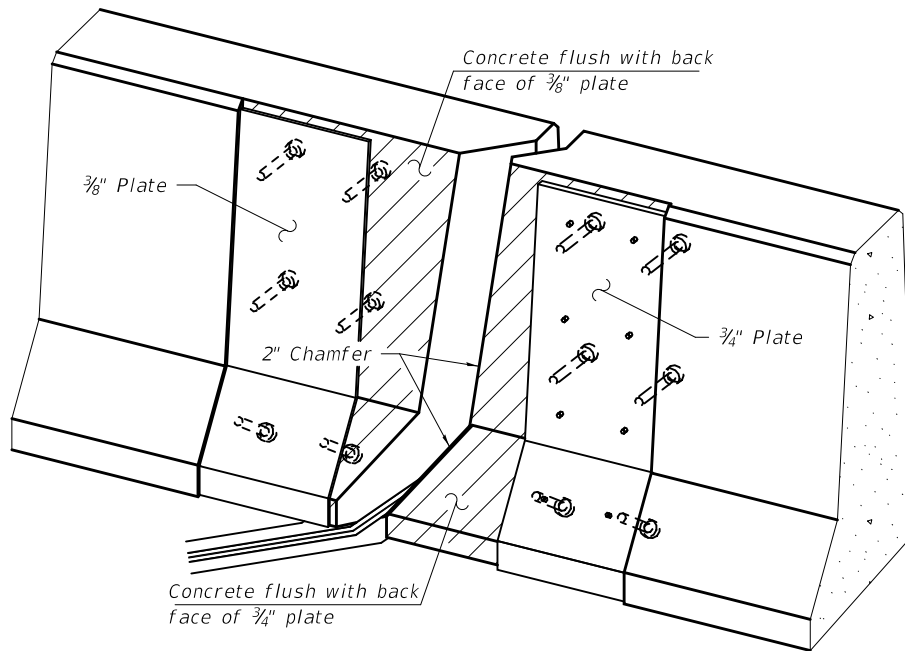


ELEVATION AT PARAPET

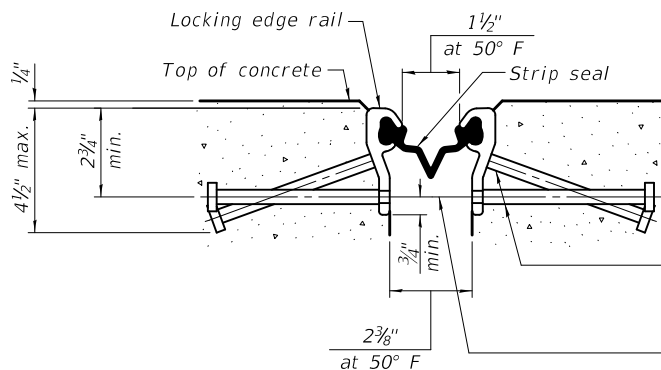
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



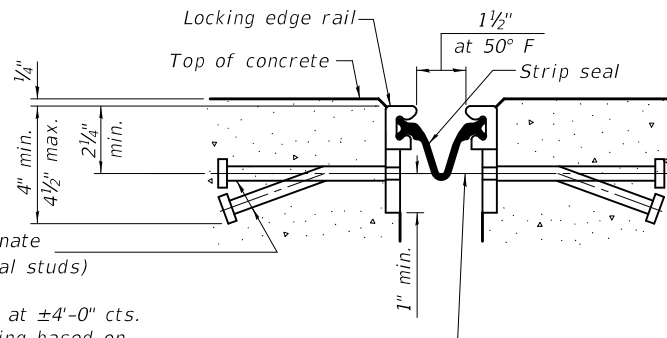
SHOWING ROLLED RAIL JOINT

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

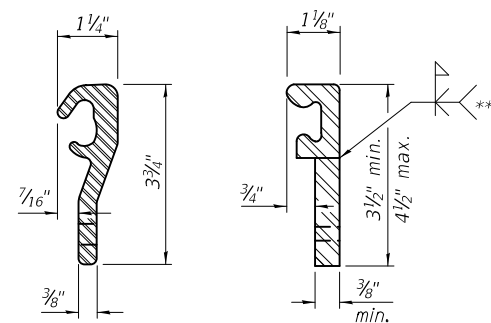
$3/8"$ $\varnothing$ threaded rods in $7/16"$ $\varnothing$ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



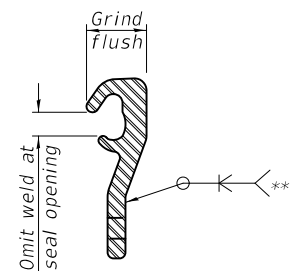
SHOWING WELDED RAIL JOINT



ROLLED (EXTRUDED) RAIL WELDED RAIL

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	200

EJ-SS

8-11-17

DESIGNED - HSS
CHECKED - CDK
DRAWN - daburdell
CHECKED - HSS CDK

EXAMINED	Timothy A. Daburdell
PASSED	Carl R. Ruyter
	ENGINEER OF BRIDGES AND STRUCTURES

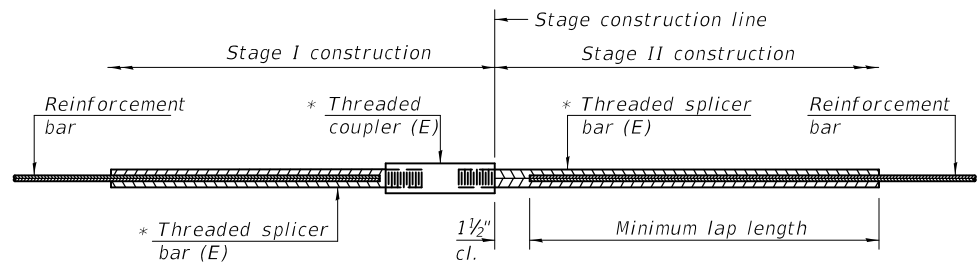
DATE - MARCH 19, 2019
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL DETAILS
SN 046-0006 (NB) & 0007 (SB)

SHEET NO. 7 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	56
ILLINOIS				FED. AID PROJECT

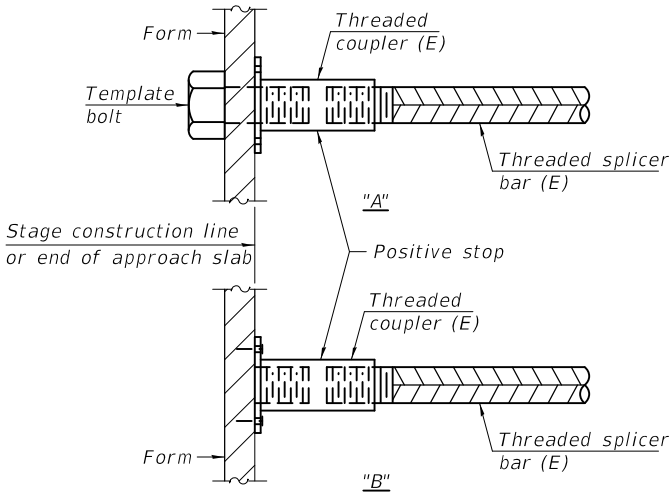


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

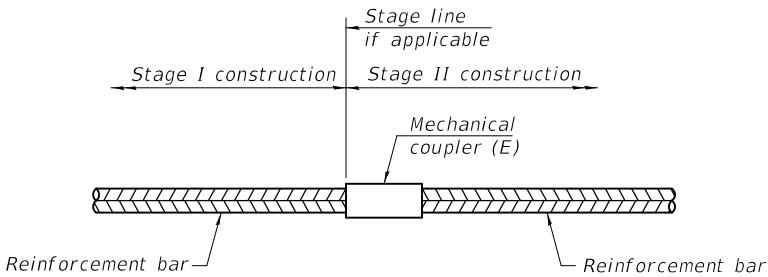
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
North Abutment	#5	32	3'-6"
North Abutment	#6	16	5'-0"
South Abutment	#5	32	3'-6"
South Abutment	#6	16	5'-0"



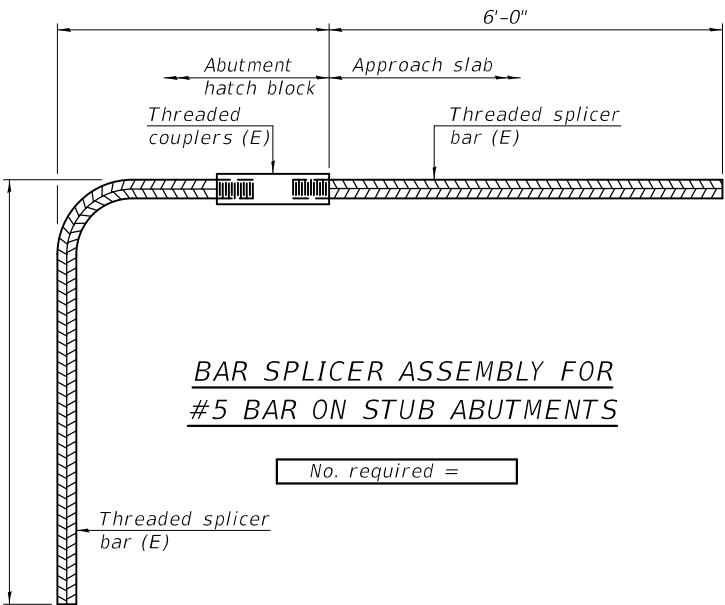
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

NOTES

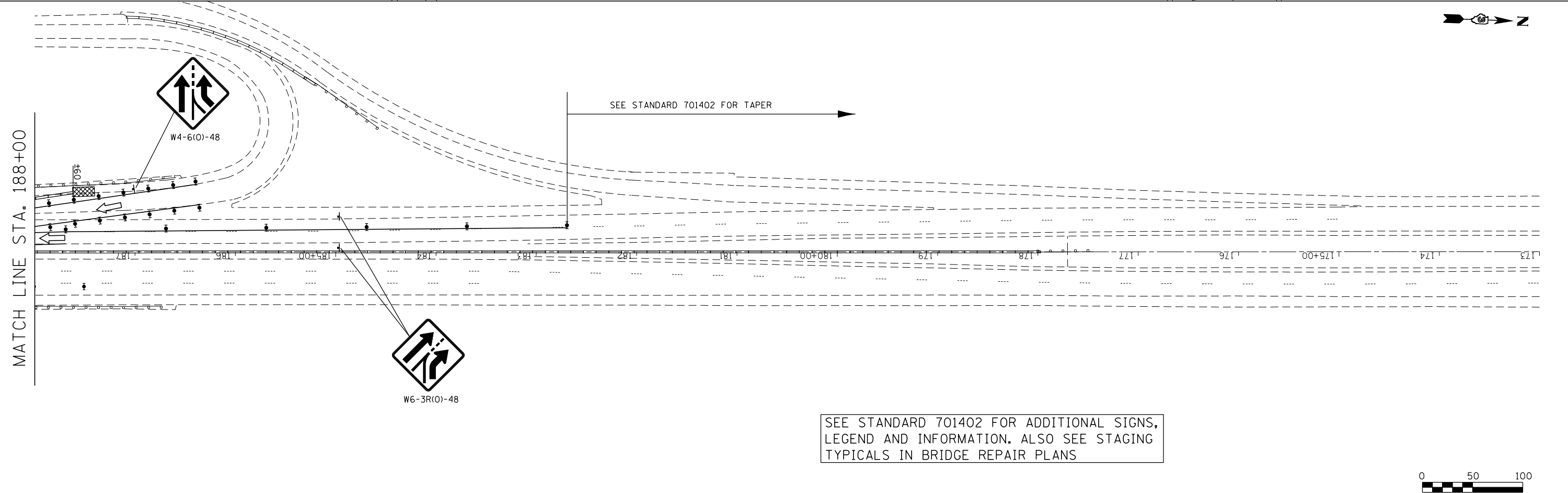
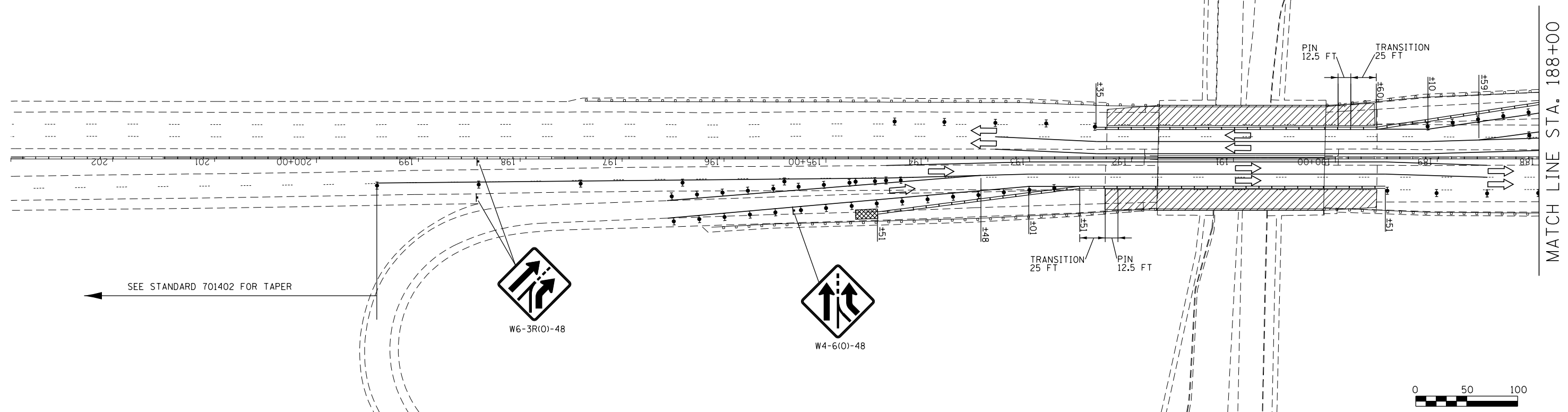
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017

DESIGNED - HSS	EXAMINED	DATE - MARCH 19, 2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 046-0006 (NB) & 0007 (SB)				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - CDK	PASSED	REVISED -									57	(46-2, 46-3) RS-3&I	KANKAKEE	76	57
DRAWN - daburdell		REVISED -					SHEET NO. 8 OF 8 SHEETS				CONTRACT NO. 66E67				
CHECKED - HSS CDK											ILLINOIS FED. AID PROJECT				

SEE STANDARD 701402 FOR ADDITIONAL SIGNS,
LEGEND AND INFORMATION. ALSO SEE STAGING
TYPICALS IN BRIDGE REPAIR PLANS



USER NAME = carpenter0j	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/3/2019	DATE -	REVISED -

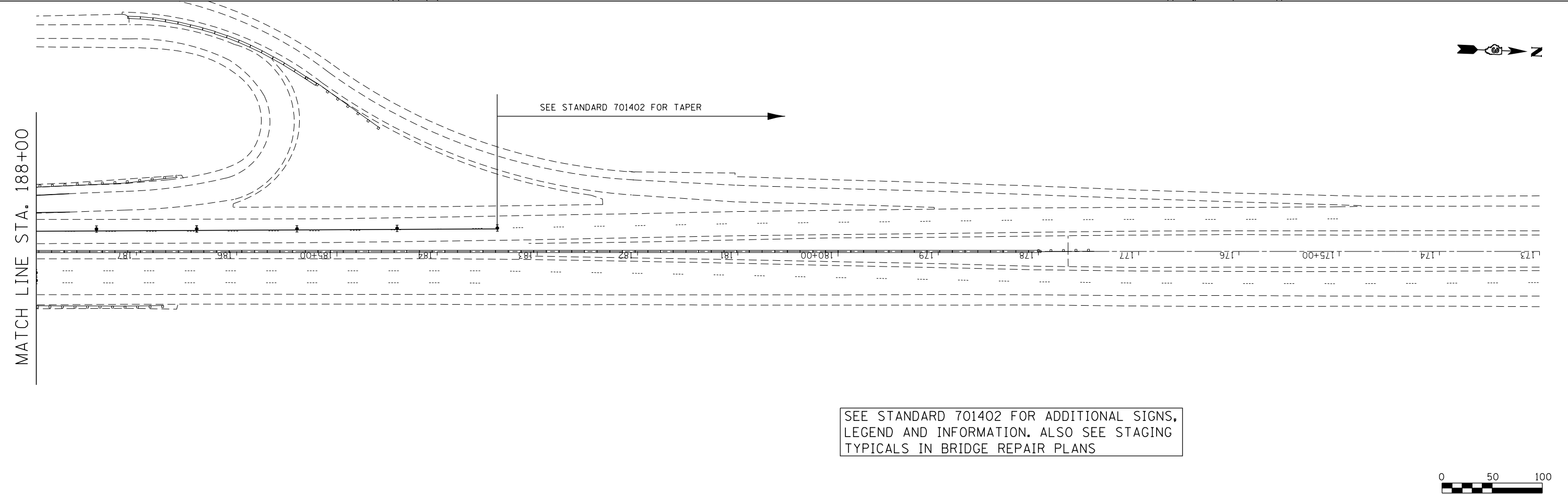
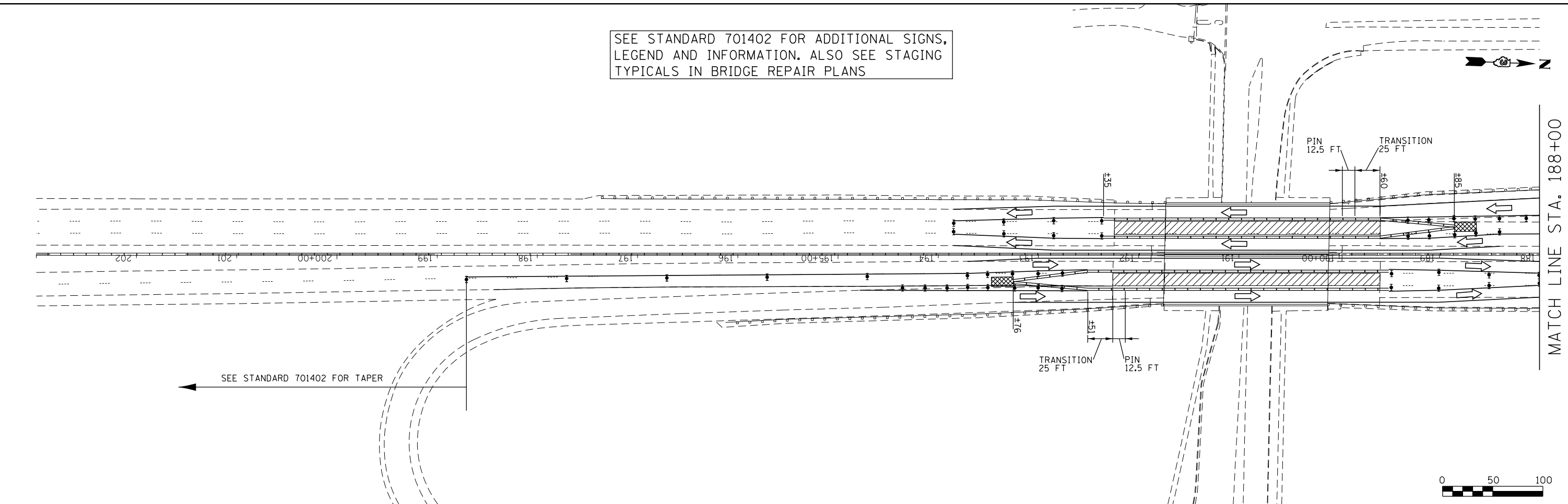
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGE I TRAFFIC
SN 046-0006 & SN 046-0007

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS & I	KANKAKEE	76	58
		CONTRACT NO. 66E67		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG.illinois.gov:PWIDOT\Documents\IDOT_Offices\District_3\Projects\EP0320\4\CADData\CAD.sheets\ID366E67-sht-Stacino.dgn

SEE STANDARD 701402 FOR ADDITIONAL SIGNS,
LEGEND AND INFORMATION. ALSO SEE STAGING
TYPICALS IN BRIDGE REPAIR PLANS



SEE STANDARD 701402 FOR ADDITIONAL SIGNS,
LEGEND AND INFORMATION. ALSO SEE STAGING
TYPICALS IN BRIDGE REPAIR PLANS

MODEL: Default
FILE: \\nwr\p\w\110848\BID\NTEC\Illinois.gov\PIWDOT\Documents\DOT_Offices\BID\rdct_3\Projects\EP032004\CADD\data\CAD\heers\0366667-rht-Staging.dgn

MATCH LINE STA. 188+00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

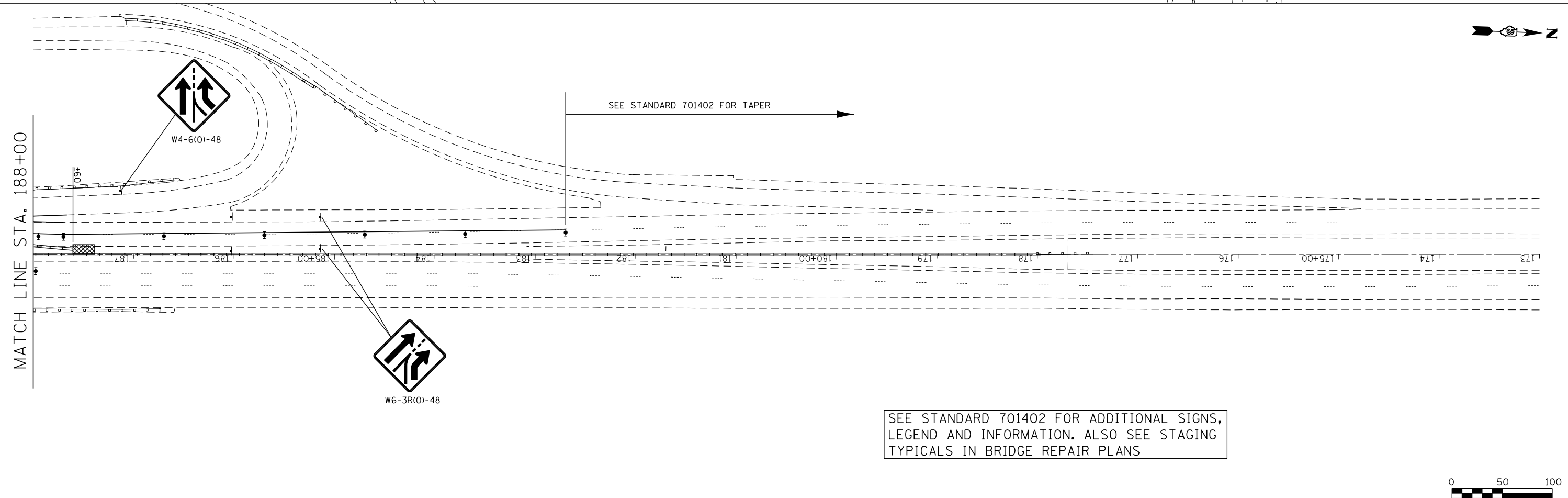
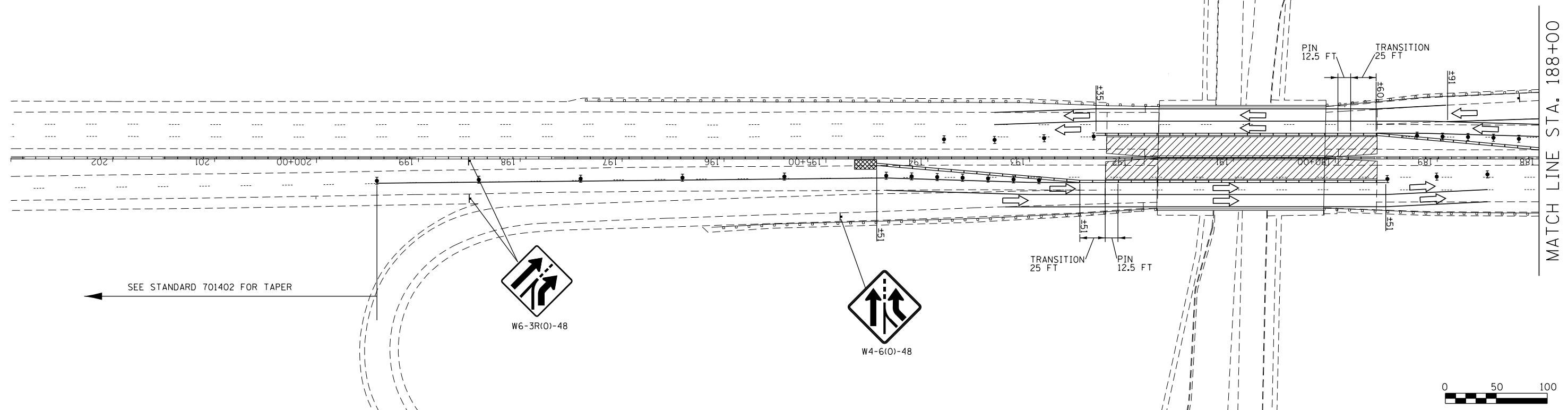
SUGGESTED STAGE 2 TRAFFIC
SN 046-0006 & SN 046-0007

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS & I	KANKAKEE	76	59
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

USER NAME = carpenterdj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

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

SEE STANDARD 701402 FOR ADDITIONAL SIGNS,
LEGEND AND INFORMATION. ALSO SEE STAGING
TYPICALS IN BRIDGE REPAIR PLANS



SEE STANDARD 701402 FOR ADDITIONAL SIGNS,
LEGEND AND INFORMATION. ALSO SEE STAGING
TYPICALS IN BRIDGE REPAIR PLANS

USER NAME = carpenterdj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/3/2019	DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

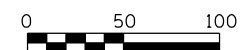
SUGGESTED STAGE 3 TRAFFIC
SN 046-0006 & SN 046-0007

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS & I	KANKAKEE	76	60
		CONTRACT NO. 66E67		
ILLINOIS		FED. AID PROJECT		

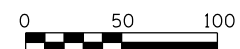
MODEL: Default
FILE NAME: pw:\IL084EBID\INTEG.III\Inols.qvw:PVIDOT\Documents\IDOT_Offices\District_3\Projects\EP03204\CADData\CAD.sheets\ID366E67-sht-StadIng.dgn



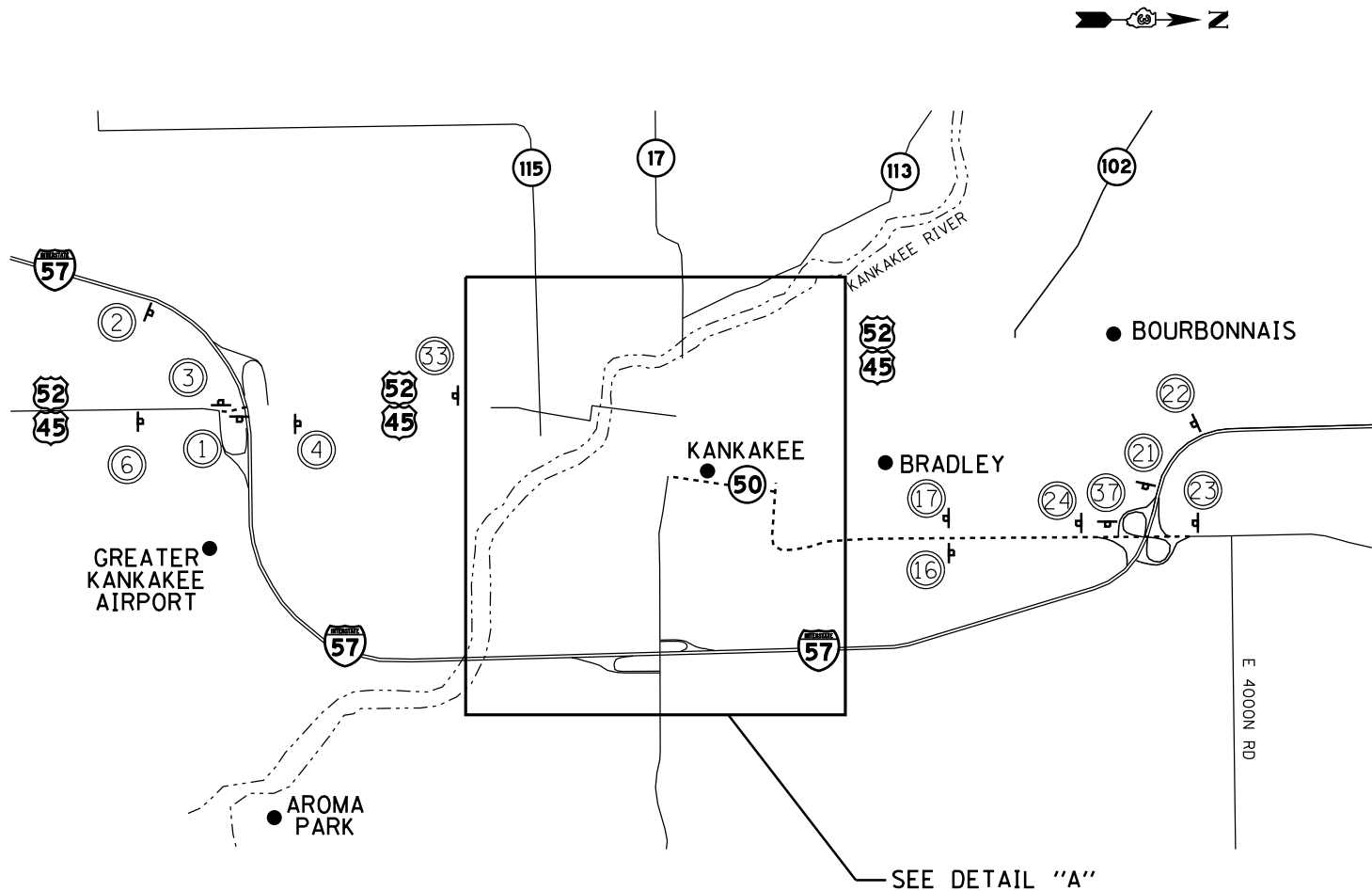
STAGE 1



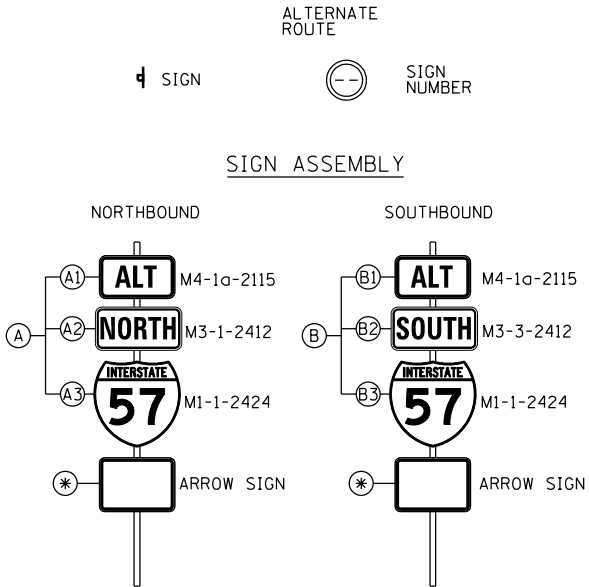
STAGE 2



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS & 1	KANKAKEE	76	61
		CONTRACT NO. 66E67		
		ILLINOIS FED. AID PROJECT		



ALTERNATE ROUTE SIGNS:
ALTERNATE ROUTE FOR I-57 DURING CONSTRUCTION UTILIZES US 45/52, IL 17 AND IL 50.
THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE THE SIGNING FOR THE ALTERNATE ROUTE.
TWO EXTRA MESSAGE BOARDS ON I-57 AS OUTLINED IN THE SPECIAL PROVISIONS SHALL DISPLAY THE FOLLOWING MESSAGE:
I-57 CONSTRUCTION AHEAD
EXPECT DELAYS
ALT ROUTE AVAILABLE
SIGNS A1, B1, C, D, E, F, G, H, I: FLORESCENT ORANGE WITH BLACK SYMBOLS.
SIGNS A2, A3, B2, B3: BLUE WITH WHITE LETTERS.



* SEE BELOW

ARROW SIGNS

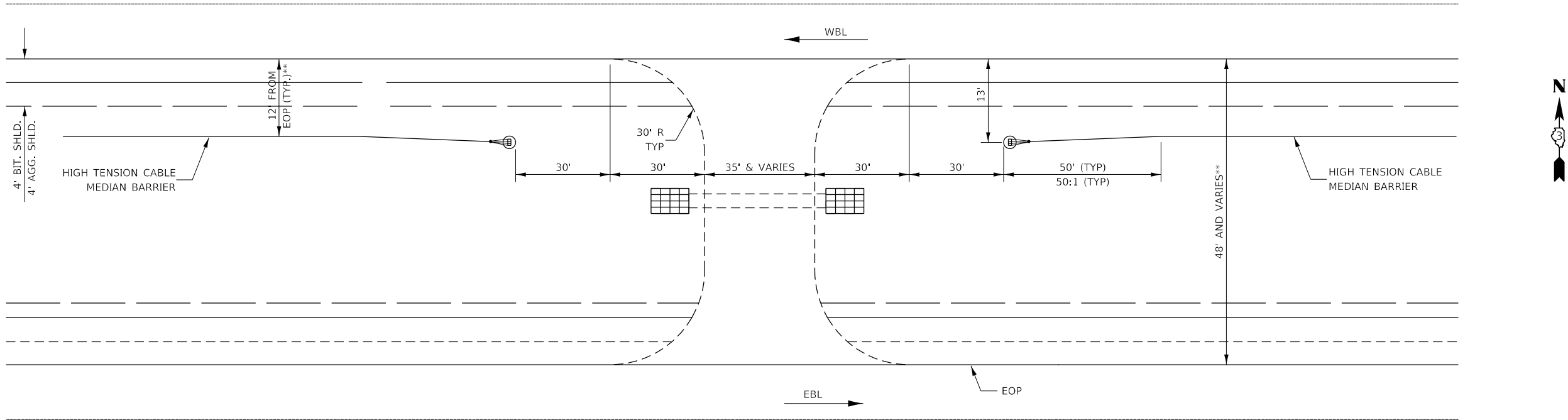
- C M5-1(R)-2115
- D M5-1(L)-2115
- E M5-2(R)-2115
- F M6-1(L)-2115
- G M6-1(R)-2115
- H M6-2(R)-2115
- I M6-3-2115

SIGN NUMBER	LOCATION	PANELS
1	I-57 (NB) AT START OF RAMP	AH
2	I-57 (NB) 1/2 MILE PRIOR TO SIGN 1	AE
3	TOP OF RAMP FOR I-57 (NB) TRAFFIC HEADING NORTH ONTO US 45/52	AG
4	US 45/52 (NB) 500' NORTH OF I-57	AI
5	US 45/52 (NB) AT IL 50 JCT	AI
6	US 45/52 (NB), 100' PRIOR TO RAMP	AI
7	IL 50 (NB), SOUTH END OF BRIDGE	AC
8	IL 50 (NB) AT RIVER STREET	AG
9	IL 50 (NB) (RIVER STREET) AT HARRISON AVE	AF
10	IL 50 (NB) (HARRISON AVE), 200' SOUTH OF IL 17	AI
11	IL 50 (NB) (HARRISON AVE), AT IL 17	AI
12	IL 17 (WB), AT IL 50	AG
13	IL 50 (NB) NORTH OF IL 17	AI
14	IL 50 (NB) AND FAIR STREET	AG
15	IL 50 (NB FAIR STREET) BEFORE CURVE	AI
16	IL 50 (NB KINZIE AVE) 100' NORTH OF NORTH STREET	AI
17	IL 50 (SB KINZIE AVE) 100' NORTH OF NORTH STREET	BI
18	IL 50 (SB FAIR STREET) AT INDIANA AVE	BF
19	IL 50 (SB INDIANA AVE) 200' NORTH OF IL 17	BI
20	IL 17 (EB) AT INDIANA AVE	BG

SIGN NUMBER	LOCATION	PANELS
21	I-57 (SB) AT START OF RAMP	BH
22	I-57 (SB) 1/2 MILE PRIOR TO SIGN 26	BE
23	IL 50 (SB) 100' PRIOR TO RAMP	BI
24	IL 50 (SB) 500' SOUTH OF I-57	BI
25	IL 17 (WB) 100' PRIOR TO THE RAMP	AI
26	IL 17 (WB) 100' PRIOR TO THE RAMP	BI
27	IL 17 (WB) 1500' WEST OF I-57	AI
28	IL 17 (WB) 1500' WEST OF I-57	BI
29	IL 17 (WB) AT INDIANA AVE	BF
30	IL 17 (EB) AT HARRISON STREET	AF
31	IL 17 (EB) 1500' WEST OF INDIANA AVE	AI
32	IL 17 (EB) 1500' WEST OF INDIANA AVE	BI
33	IL 50 (SB) 100' SOUTH OF SE AVE	BI
34	IL 50 (SB INDIANA AVE) AT RIVER STREET	BG
35	RIVER STREET, AT IL 50	BF
36	IL 50 (SB) AT E JEFFERY ST	BI
37	I-57 (SB) BOTTOM OF EXIT RAMP	BG



FILE NAME = p:\11084EB\INTEGR\Illinois.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\I036\DRAWING.dgn Default	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALTERNATE ROUTE PLAN DETAIL "A"	F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.				
		DRAWN - _____	REVISED - _____			57 (46-2,46-3)RS-3 & I KANKAKEE 76 63				
	PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____			CONTRACT NO. 66E67				
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT				
	SCALE: _____		SHEET 2 OF 2 SHEETS			STA. _____ TO STA. _____				

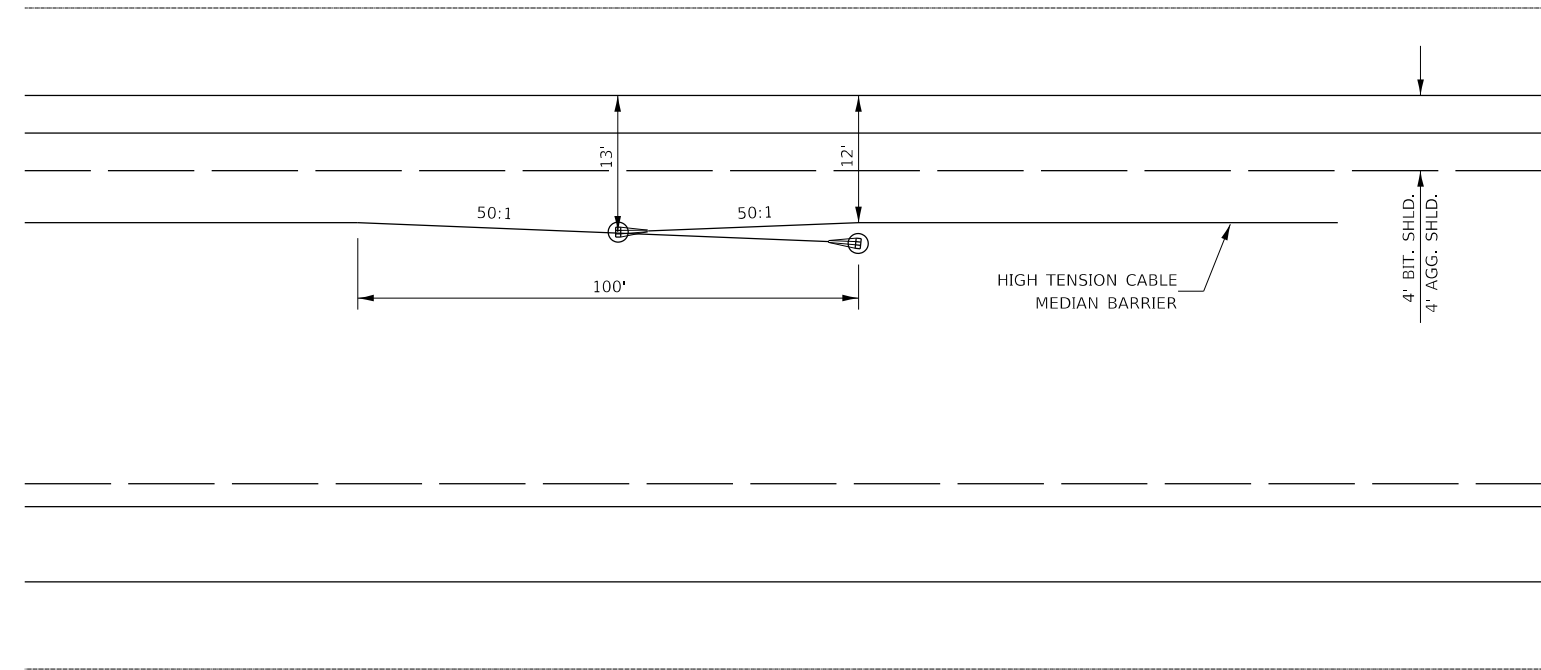


MAINTENANCE CROSSOVERS

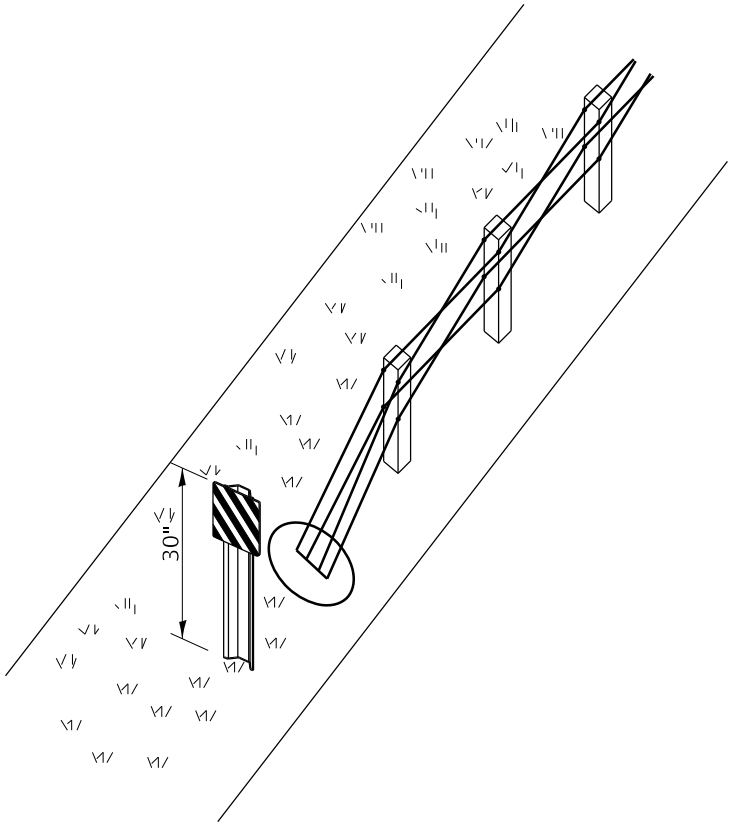
STA 533+97
STA 685+07
STA 790+23

MEDIAN CROSSOVERS

STA 596+64
STA 694+55



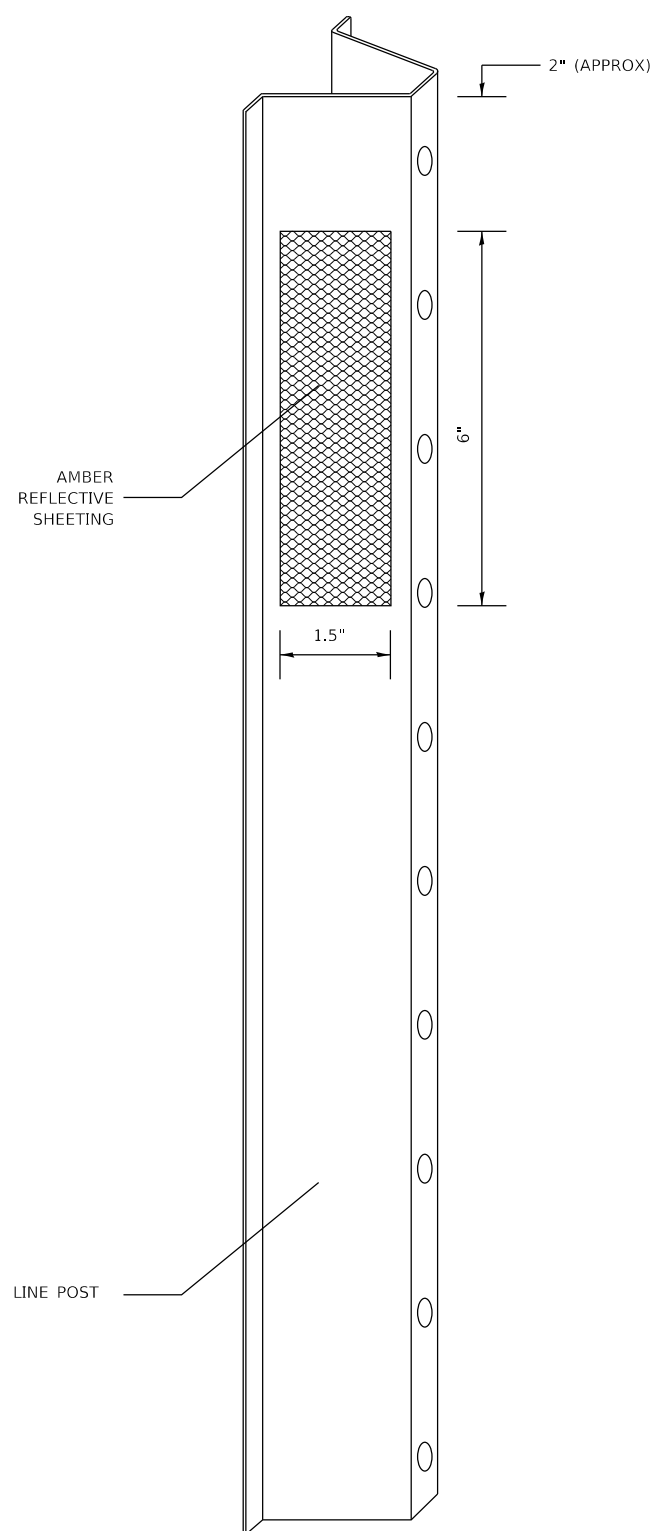
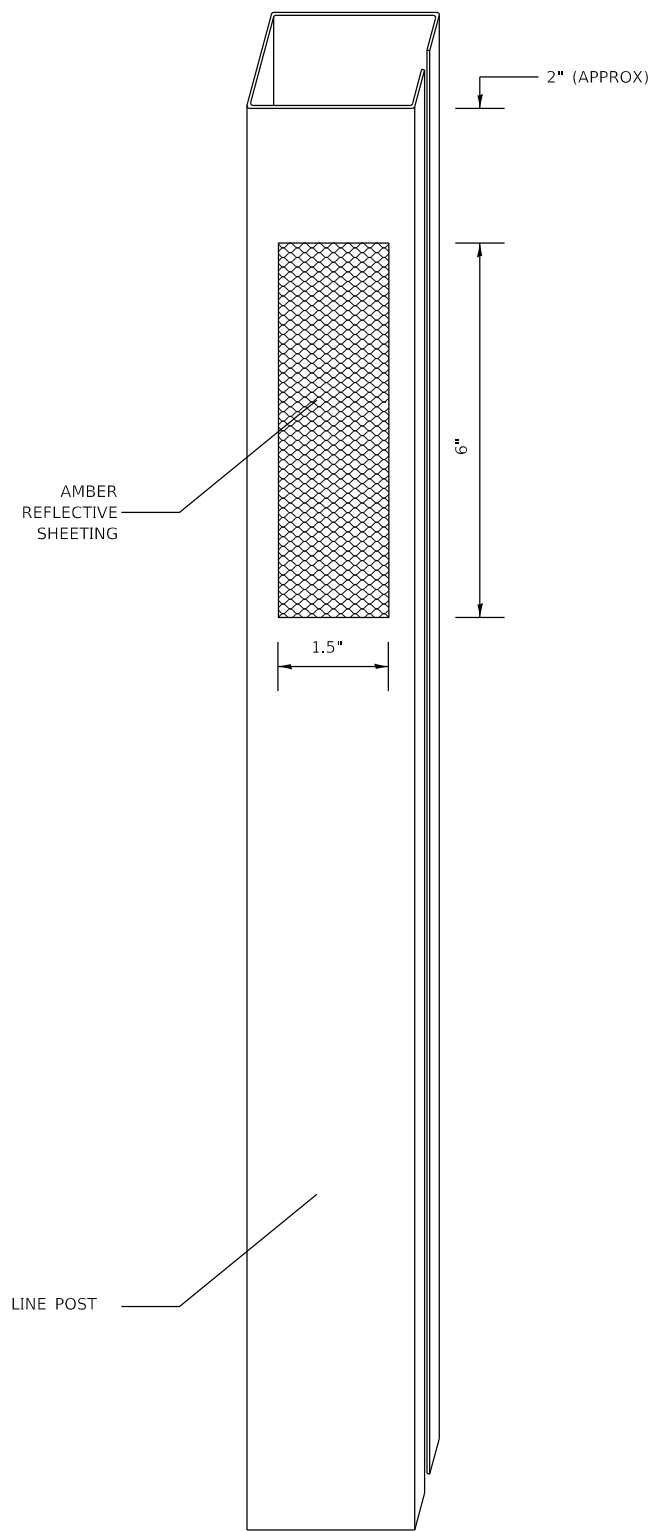
HIGH TENSION CABLE BARRIER OVERLAP DETAIL



HTC MEDIAN BARRIER
POST MOUNTED TERMINAL MARKER DETAIL

NOT TO SCALE

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\01\084EB\INTEGR\Illinois.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\I0366\Drawings\I0366.dgn		DRAWN -	REVISED -							57	(46-2,46-3)RS-3 & I	KANKAKEE	76	64
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 66E67											
PLOT DATE = 2/1/2019	DATE -	REVISED -	ILLINOIS FED. AID PROJECT											
			SCALE: _____		SHEET 1 OF 13 SHEETS	STA. _____ TO STA. _____								

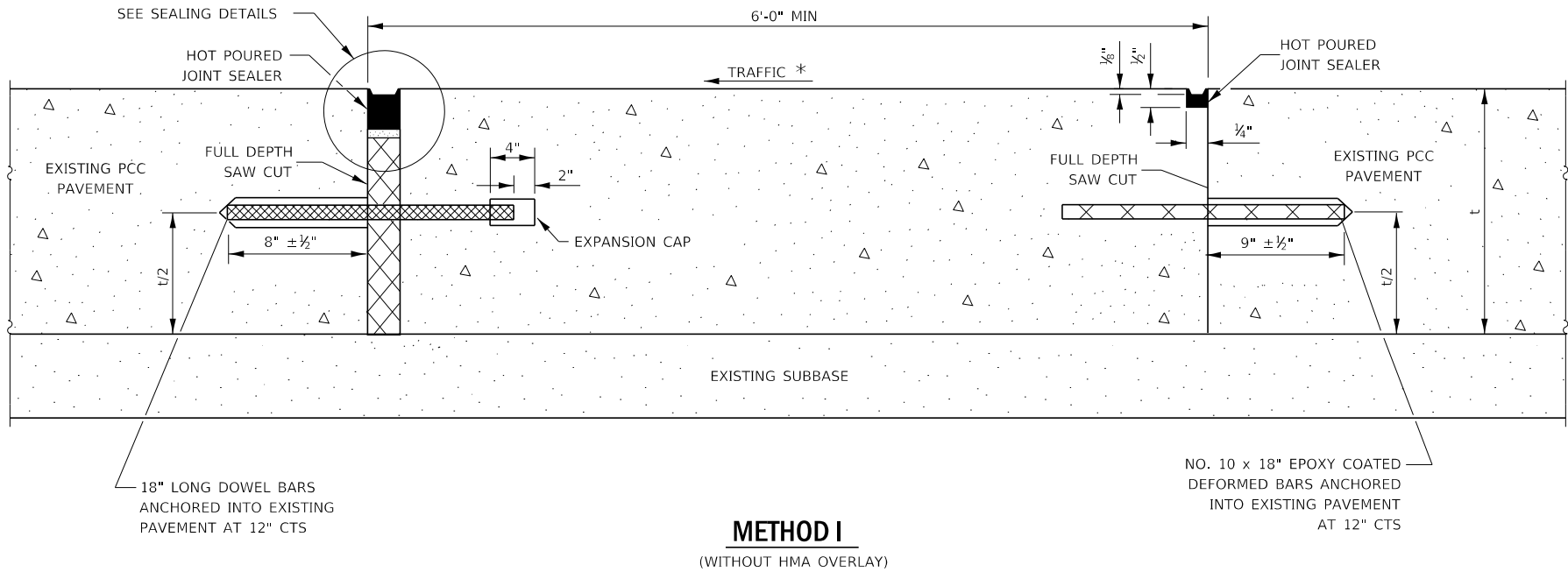


NOTES:

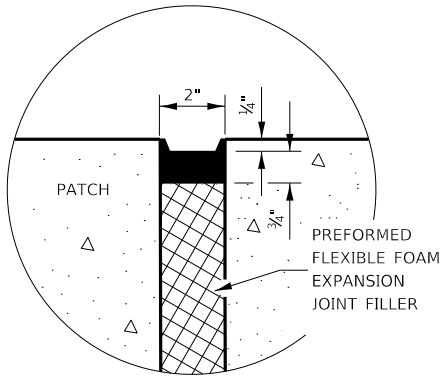
THE REFLECTIVE SHEETING SHALL BE INSTALLED AS SHOWN IN THE PLANS, ON EVERY THIRD POST (IN ORDER TO PROVIDE A SPACING OF 45').

THE REFLECTIVE SHEETING SHALL BE FACING ONCOMING TRAFFIC.

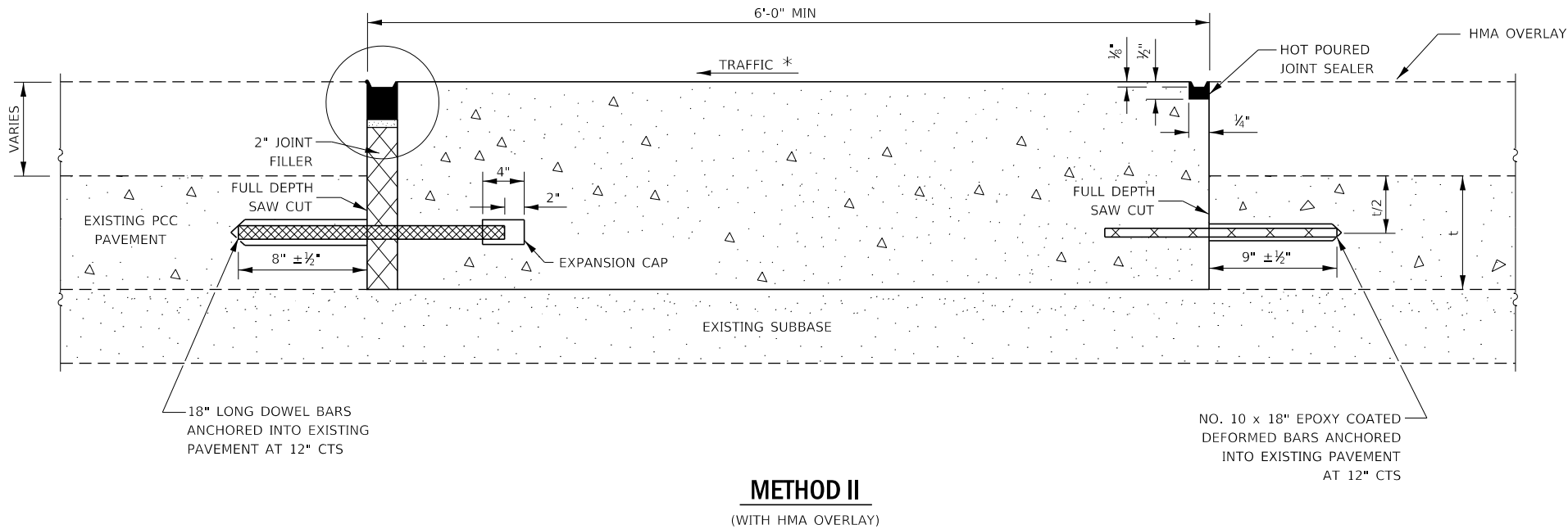
FILE NAME = p:\084E\BID\INTEGR\Illinois.gov\PIW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\ID366\Drawings\ID366.dgn Default	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	65
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____					CONTRACT NO. 66E67				
								ILLINOIS	FED. AID PROJECT			
		SCALE: _____		SHEET 2 OF 13 SHEETS		STA. _____ TO STA. _____						



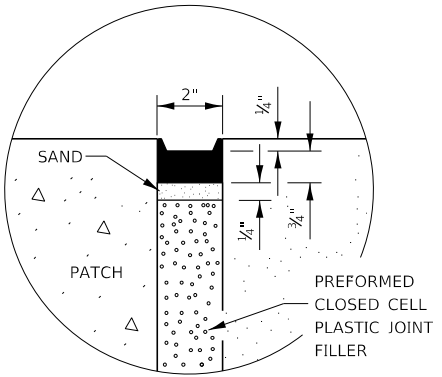
METHOD I
(WITHOUT HMA OVERLAY)



SEALING DETAIL



METHOD II
(WITH HMA OVERLAY)

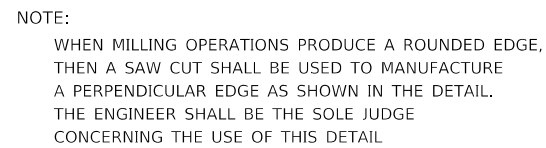


SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

FILE NAME =	USER NAME = carpenterj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\w\1\084E\BID\INTEGR\Illinois.gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\03204\03204-01.dgn							57	(46-2,46-3)RS-3 & I	KANKAKEE	76	67
PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -		SCALE: _____		CONTRACT NO. 66E67				
PLOT DATE = 2/1/2019		DATE -	REVISED -		SHEET 4 OF 13 SHEETS		ILLINOIS FED. AID PROJECT				

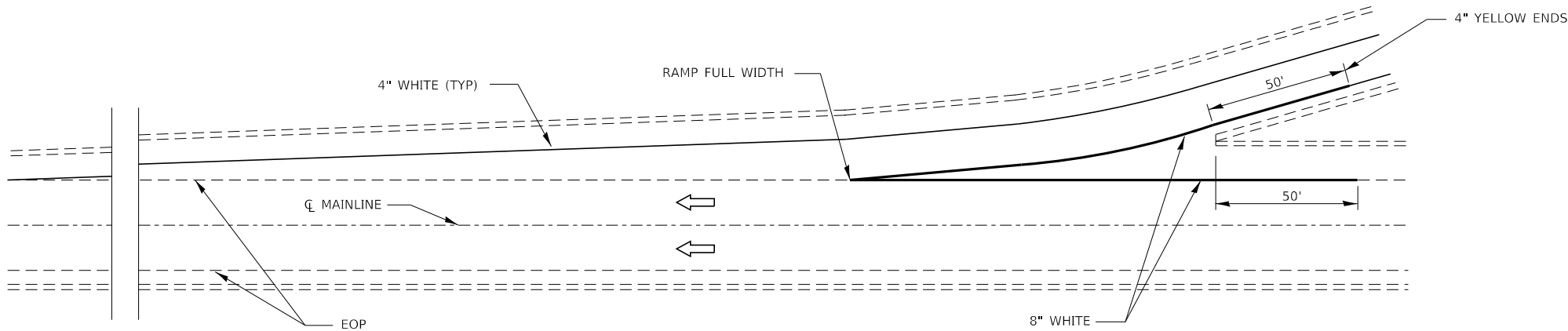


Plan view of the bridge deck and approach sections. The bridge deck is 100 feet wide, divided into two 50-foot lanes. The approach sections are 150 feet long, divided into three 50-foot segments. The bridge deck is labeled "EXIST BRIDGE WITH CONC APPROACH". The approach sections are labeled "1 1/2\" HMA SURF REM" and "PAY FOR AS 1 1/2\" HMA SURF REM". The stationing (STA) is indicated at the ends of the sections.

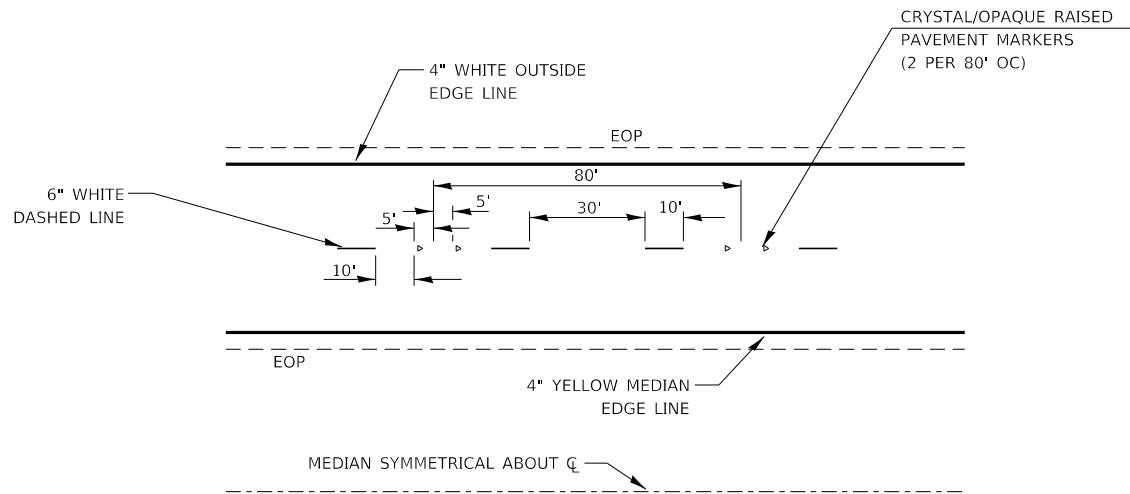
STRUCTURE BUTT JOINT

MILLING AND RESURFACING AT BRIDGE

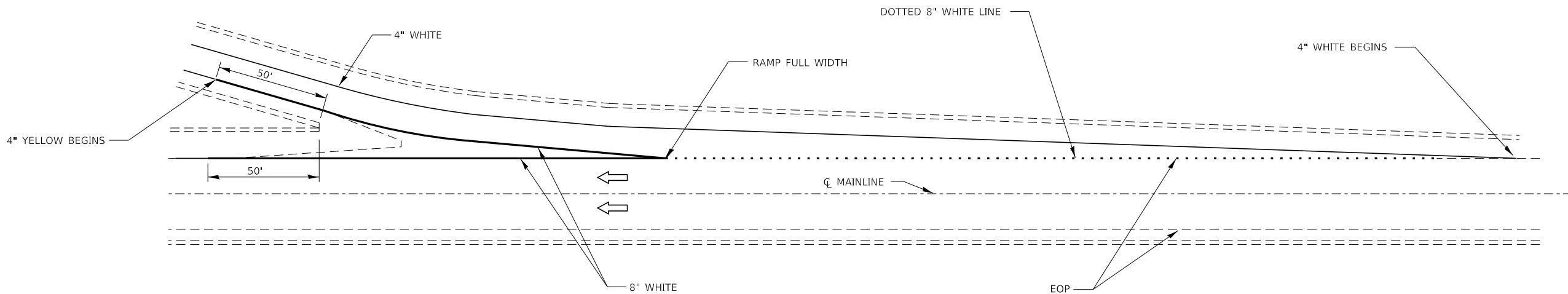
FILE NAME =	USER NAME = carpenterd\j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\0848\BID\INTEGR\Illinois.gov\PIDOT\Documents\IDOT\District 3\Projects\EP03204\CADData\CADsheets\ID366\DRAWING.dgn		DRAWN -	REVISED -					57	(46-2,46-3)RS-3 & I	KANKAKEE	76	68
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 66E67									
PLOT DATE = 2/1/2019	DATE -	REVISED -	SCALE: _____					SHEET 5 OF 13 SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT		



TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



TYPICAL PAVEMENT MARKINGS



TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS



DISTANCES MAY BE SHORTENED DEPENDING
UPON THE PROXIMITY OF ADJACENT RAMPS
OR INTERSECTIONS.



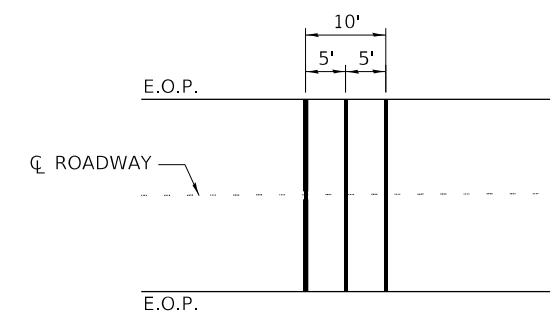
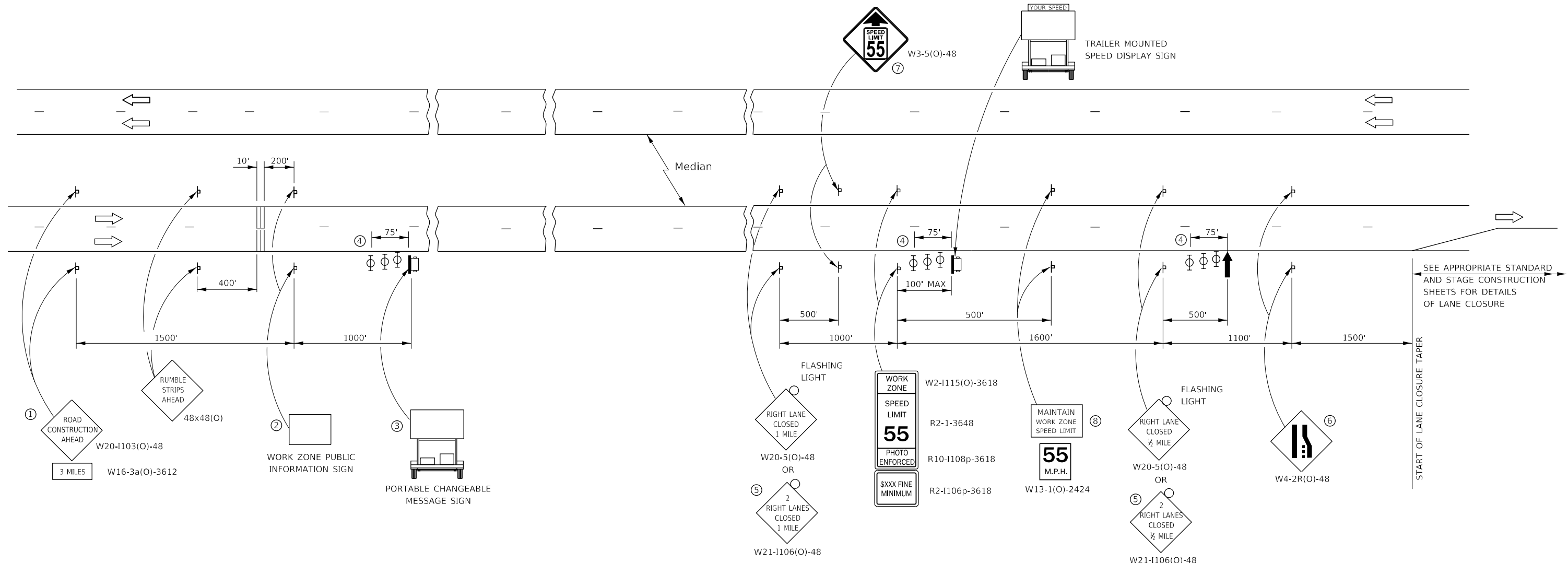
Ⓘ DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT

Ⓛ TYPE III BARRICADE WITH FLASHING LIGHT



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP,
MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

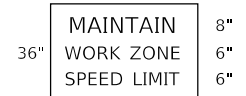
- ① STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ② A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ③ ALL ROUTE MARKERS AND SIGN ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ④ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑤ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF OPERATIONS IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑥ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY- FOUR 24 HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR 24 HOURS IN LENGTH.
- ⑦ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑧ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.



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.



- ↑ 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 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.

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SHOWN.

SPACING FOR DELINEATORS
ON HORIZONTAL CURVES

Radius of Curve Feet (m)	Spacing on Curve Feet (m)	Spacing in Advance and Beyond Curve Feet (m)		
		1st. Space	2nd. Space	3rd. Space
Less than 100 (30)	20 (5)	40 (10)	65 (20)	125 (40)
100 - 174 (30 - 54)	30 (10)	60 (20)	90 (25)	180 (55)
175 - 224 (55 - 69)	35 (10)	70 (20)	110 (35)	200 (60)
225 - 274 (70 - 84)	40 (10)	85 (25)	125 (40)	200 (60)
275 - 349 (85 - 104)	50 (15)	95 (30)	145 (45)	200 (60)
350 - 449 (105 - 134)	55 (15)	110 (35)	170 (50)	200 (60)
450 - 549 (135 - 164)	65 (20)	125 (40)	190 (60)	200 (60)
550 - 649 (165 - 199)	70 (20)	140 (45)	200 (60)	200 (60)
650 - 749 (200 - 229)	75 (25)	150 (45)	200 (60)	200 (60)
750 - 849 (230 - 259)	80 (25)	165 (50)	200 (60)	200 (60)
850 - 949 (260 - 289)	85 (25)	175 (55)	200 (60)	200 (60)
950 - 1049 (290 - 319)	90 (25)	185 (55)	200 (60)	200 (60)
1050 - 1299 (320 - 394)	100 (30)	200 (60)	200 (60)	200 (60)
1300 - 1999 (395 - 609)	125 (40)	200 (60)	200 (60)	300 (90)
2000 - 2999 (610 - 914)	150 (45)	200 (60)	200 (60)	300 (90)
3000 - 3999 (915 - 1219)	175 (55)	200 (60)	300 (90)	300 (90)
4000 or greater (1220)	400 (120)	400 (120)	400 (120)	400 (120)

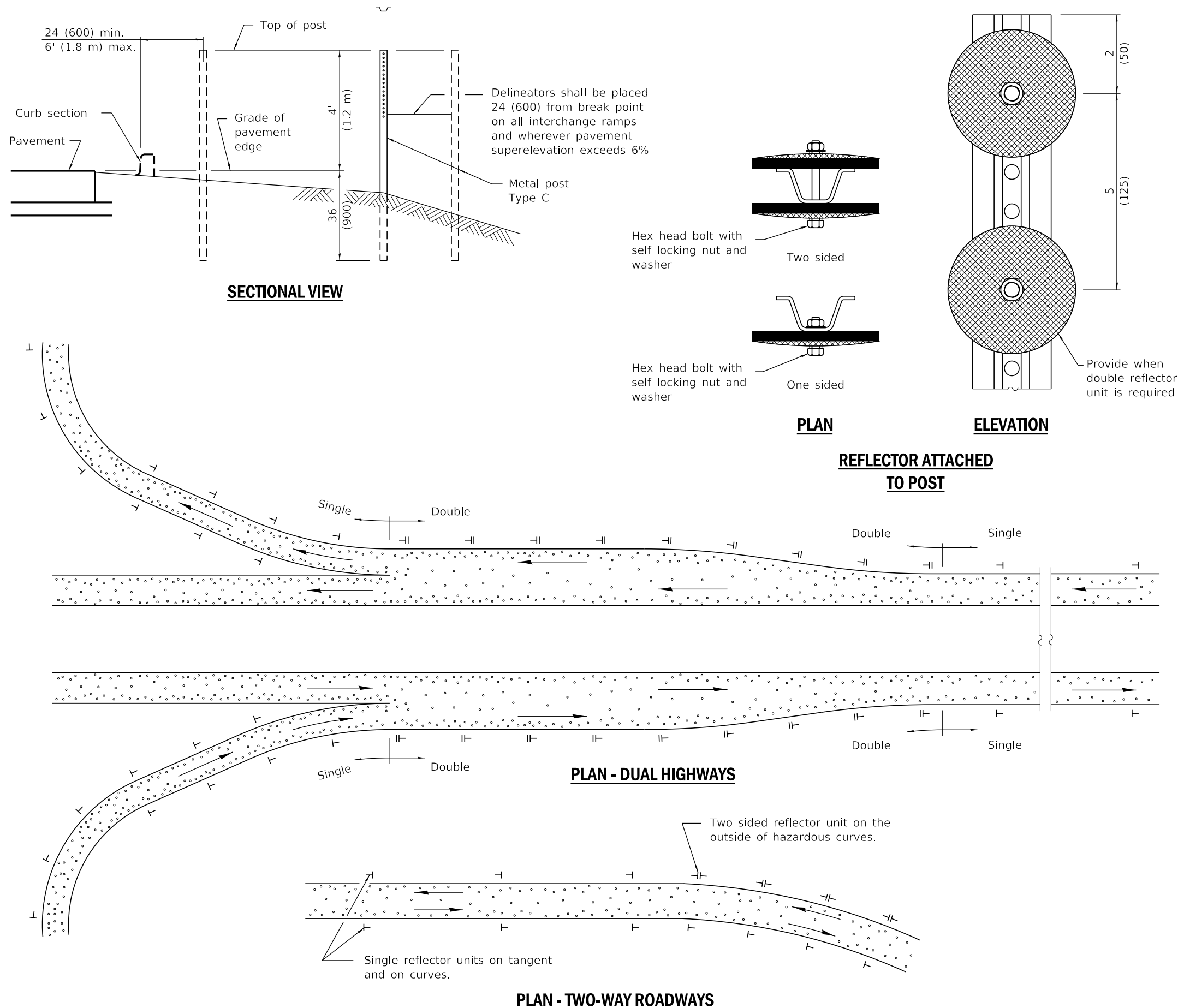
GENERAL NOTES

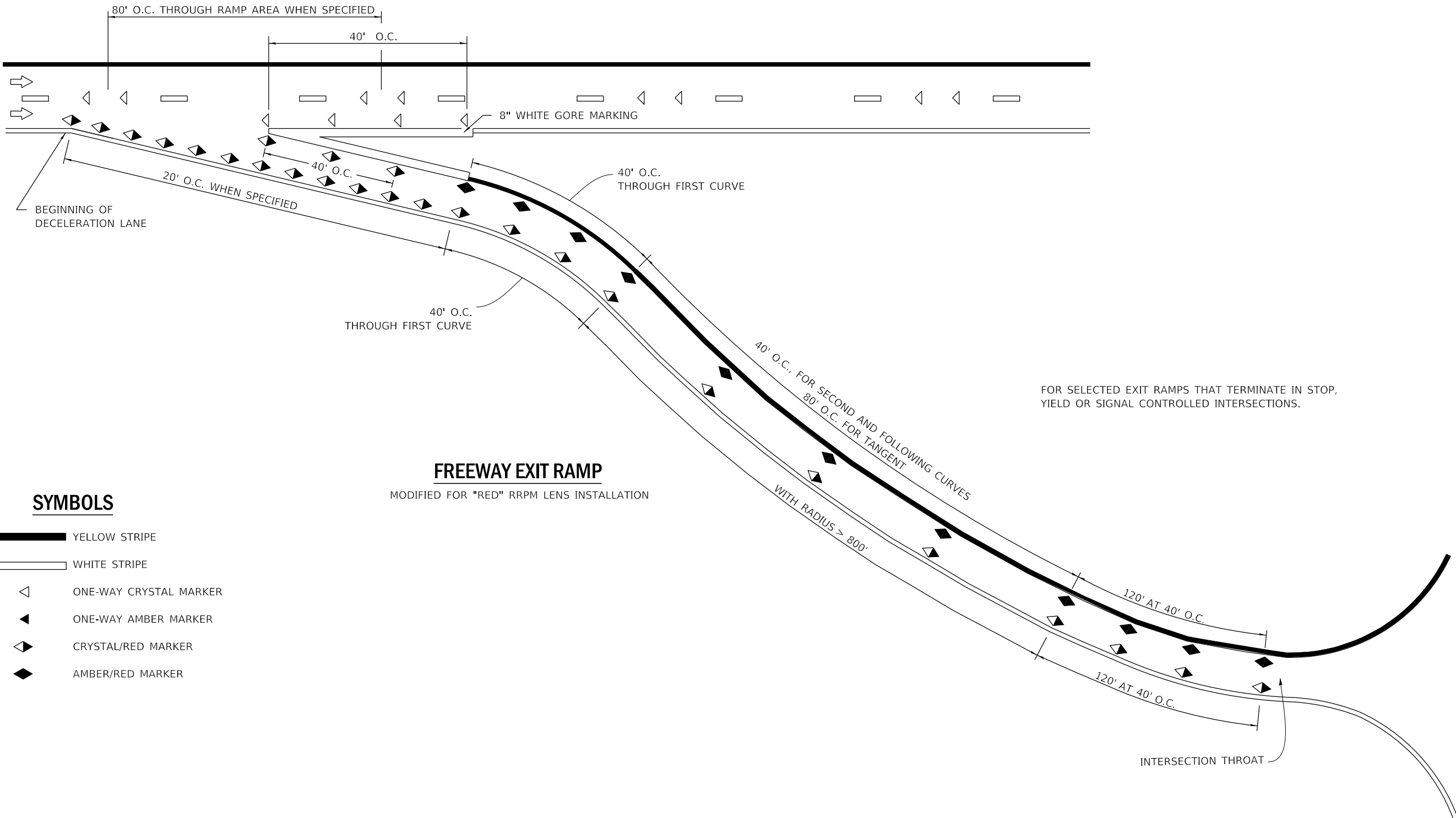
Delineators on tangent sections of main line roadways shall be placed at 400' (120 m) spacing. Delineators on ramps and acceleration and deceleration lanes shall be placed at a maximum spacing of 100' (30 m).

Refer to Standard 720011 for details of metal post.

Double reflector units shall be used on the outside of all acceleration and deceleration lanes. Single reflector units shall be used on ramps. Delineators shall be used on outside of all curved sections of ramps.

All dimensions are in inches (millimeters) unless otherwise shown.





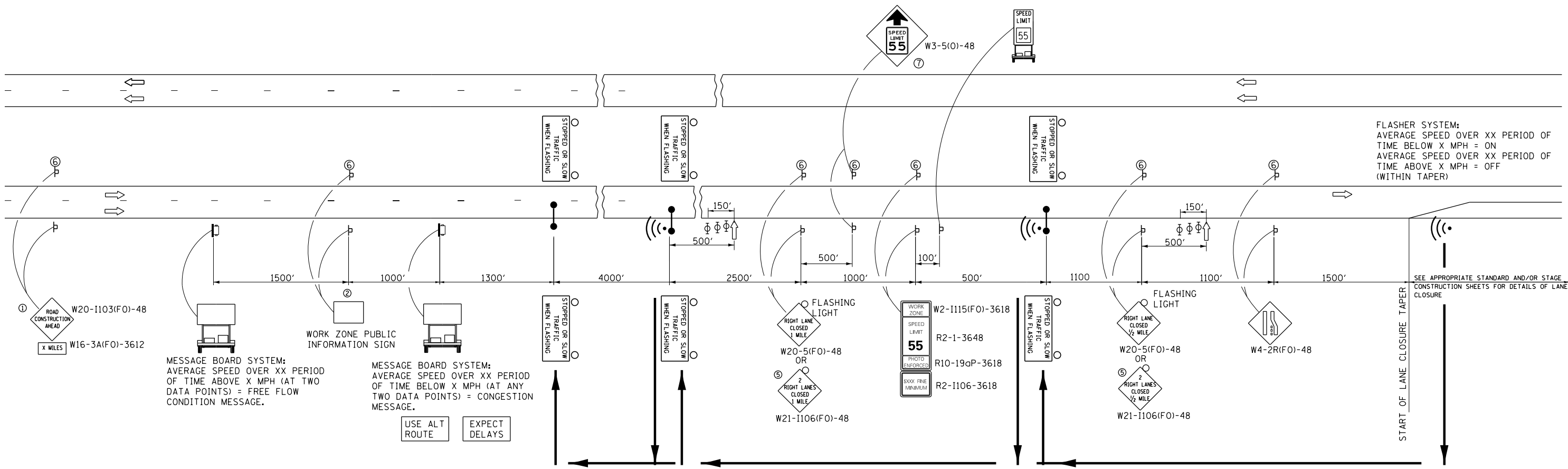
FOR SELECTED EXIT RAMPs THAT TERMINATE IN STOP, YIELD OR SIGNAL CONTROLLED INTERSECTIONS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER
- CRYSTAL/RED MARKER
- AMBER/RED MARKER

FREEWAY EXIT RAMP

MODIFIED FOR "RED" RRPM LENS INSTALLATION



FLASHER SYSTEM:
AVERAGE SPEED OVER XX PERIOD OF
TIME BELOW X MPH = ON
AVERAGE SPEED OVER XX PERIOD OF
TIME ABOVE X MPH = OFF
(WITHIN TAPER)

MESSAGE BOARD SYSTEM:
AVERAGE SPEED OVER XX PERIOD
OF TIME ABOVE X MPH (AT TWO
DATA POINTS) = FREE FLOW
CONDITION MESSAGE.

MESSAGE BOARD SYSTEM:
AVERAGE SPEED OVER XX PERIOD
OF TIME BELOW X MPH (AT ANY
TWO DATA POINTS) = CONGESTION
MESSAGE.

USE ALT
ROUTE

EXPECT
DELAYS

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 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 THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT.
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ THIS SIGN SHALL BE OMITTED WHEN MEDIAN IS LESS THAN 10'
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ☐ SIGN
- ⊙ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ⋮ RTTCS SIGN

GENERAL NOTE:

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

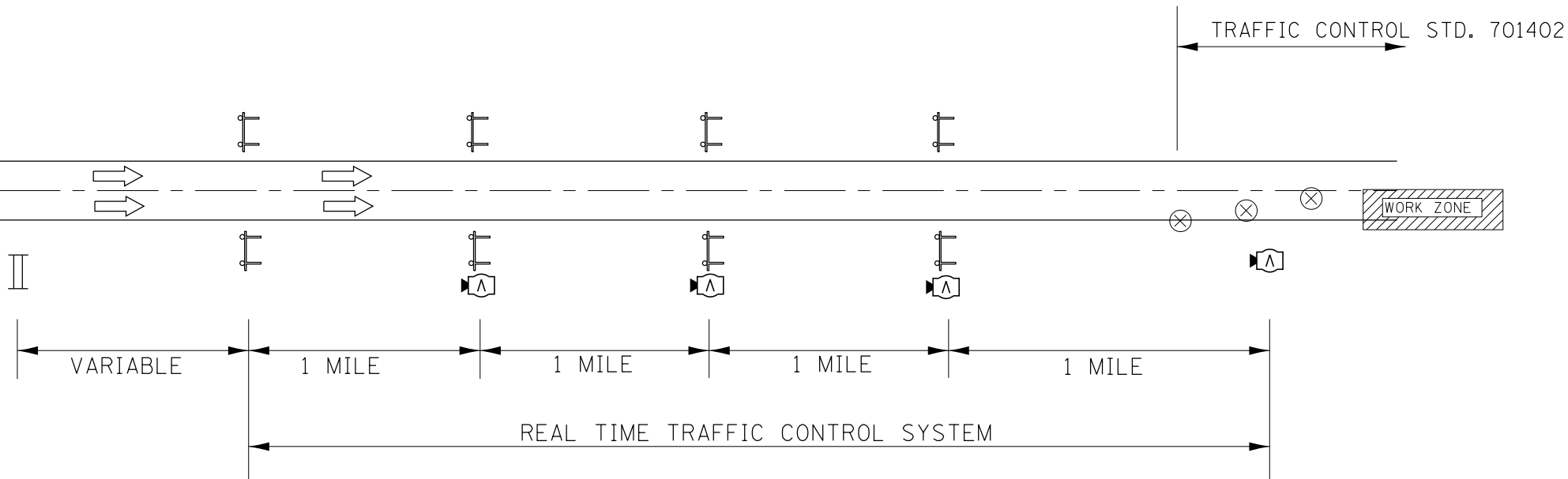
WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE REMAINING SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

WHEN THERE IS AN RTTCS SIGN ON THE RAMP, PLACE IT CLOSE TO THE SIDEROAD, SO IT CAN BE SEEN FROM THE CROSSROAD.

SEE SPECIAL PROVISIONS AND RTTCS DETAIL.

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN.



NOTES:

- ① ACTUAL LOCATION OF REAL TIME MONITORING DEVICES SHALL BE BASED ON MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS ALONG WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
- ② MODIFICATIONS MAY BE NECESSARY TO ACCOMODATE SPECIFIC CLOSURES. ALL CHANGES WILL BE APPROVED BY THE ENGINEER.

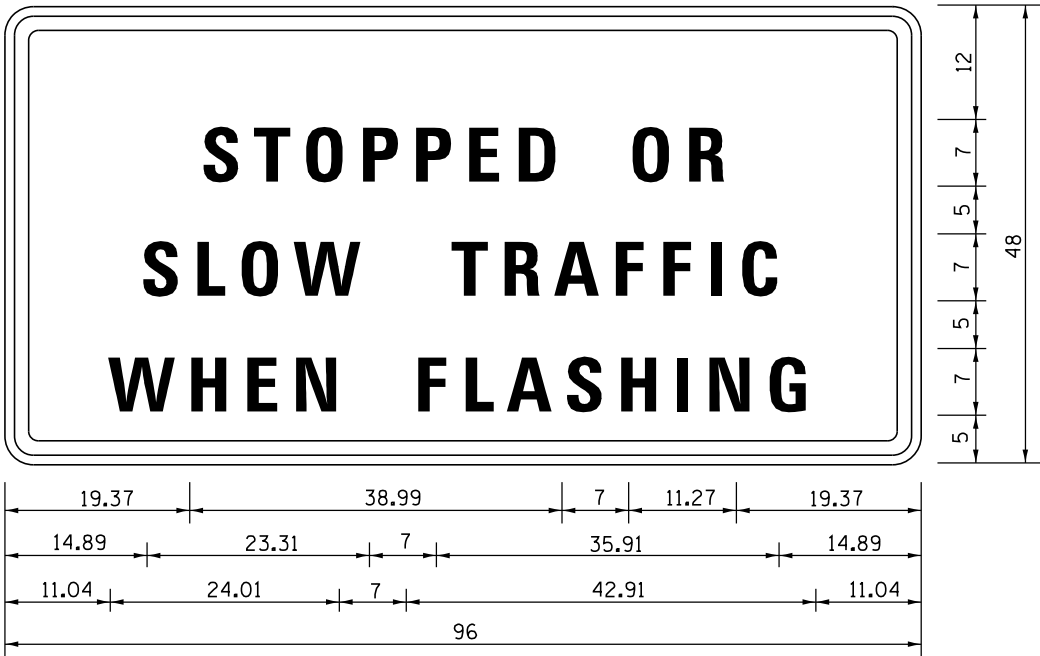
LEGEND

II PORTABLE CHANGEABLE MESSAGE SIGN

RTTC REAL TIME TRAFFIC SENSOR

WARNING SIGN W' WIG WAG LIGHTS AND RTTC SENSOR

FILE NAME =	USER NAME = carpenterj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REAL TIME TRAFFIC CONTROL SETUP DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwc\ILL064E\BID\INTEG\Illnotes\gov\PI\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CAD\Drawings\Drawings\RTTC\RTTC.dgn		DRAWN -	REVISED -			57	(46-2,46-3)RS-3 & I	KANKAKEE	76	75
	PLOT SCALE = 115.2311' / in.	CHECKED -	REVISED -			CONTRACT NO. 66E67				
Default	PLOT DATE = 2/1/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



Stopped Or Slow Traffic When Flashing; 2.25" Radius, 1.00" Border, 0.63" Indent, Black on Orange;
"STOPPED OR" D 2K; "SLOW TRAFFIC" D 2K; "WHEN FLASHING" D 2K;

TABLE OF LETTER AND OBJECT LEFTS

S 19.37	T 24.69	O 29.94	P 36.45	P 42.26	E 48.07	D 53.60	O 65.36	R 71.87			
S 14.89	L 20.84	O 26.09	W 31.97	T 45.20	R 50.59	A 55.91	F 62.91	F 68.30	I 73.69	C 76.35	
W 11.04	H 18.32	E 24.76	N 30.29	F 42.05	L 47.44	A 52.20	S 58.71	H 64.66	I 71.10	N 73.90	G 80.20

RTTC SIGN DETAIL

EXACT LOCATIONS OF SIGNS AND OTHER RTTC SENSOR UNIT
EQUIPMENT SHALL BE DETERMINED AS DETAILED IN SPECIAL
PROVISION FOR REAL-TIME TRAFFIC CONTROL SYSTEM

SIGNS TO BE EQUIPPED WITH FLASHERS (SEE SPECIAL PROVISION)

FILE NAME =	USER NAME = carpenterj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RTTC SIGN DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwc\ill084E\BID\INTEG\Illnotes\gov\PI\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\03204-66E67\RTTC\RTTC_Sign_Detail.dgn		DRAWN -	REVISED -			57	(46-2,46-3)RS-3 & I	KANKAKEE	76	76
	PLOT SCALE = 115.8311' / in.	CHECKED -	REVISED -			CONTRACT NO. 66E67				
Default	PLOT DATE = 2/1/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: _____	SHEET 13 OF 13 SHEETS	STA. _____	TO STA. _____	