

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

**INDEX**

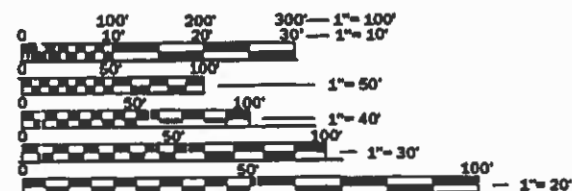
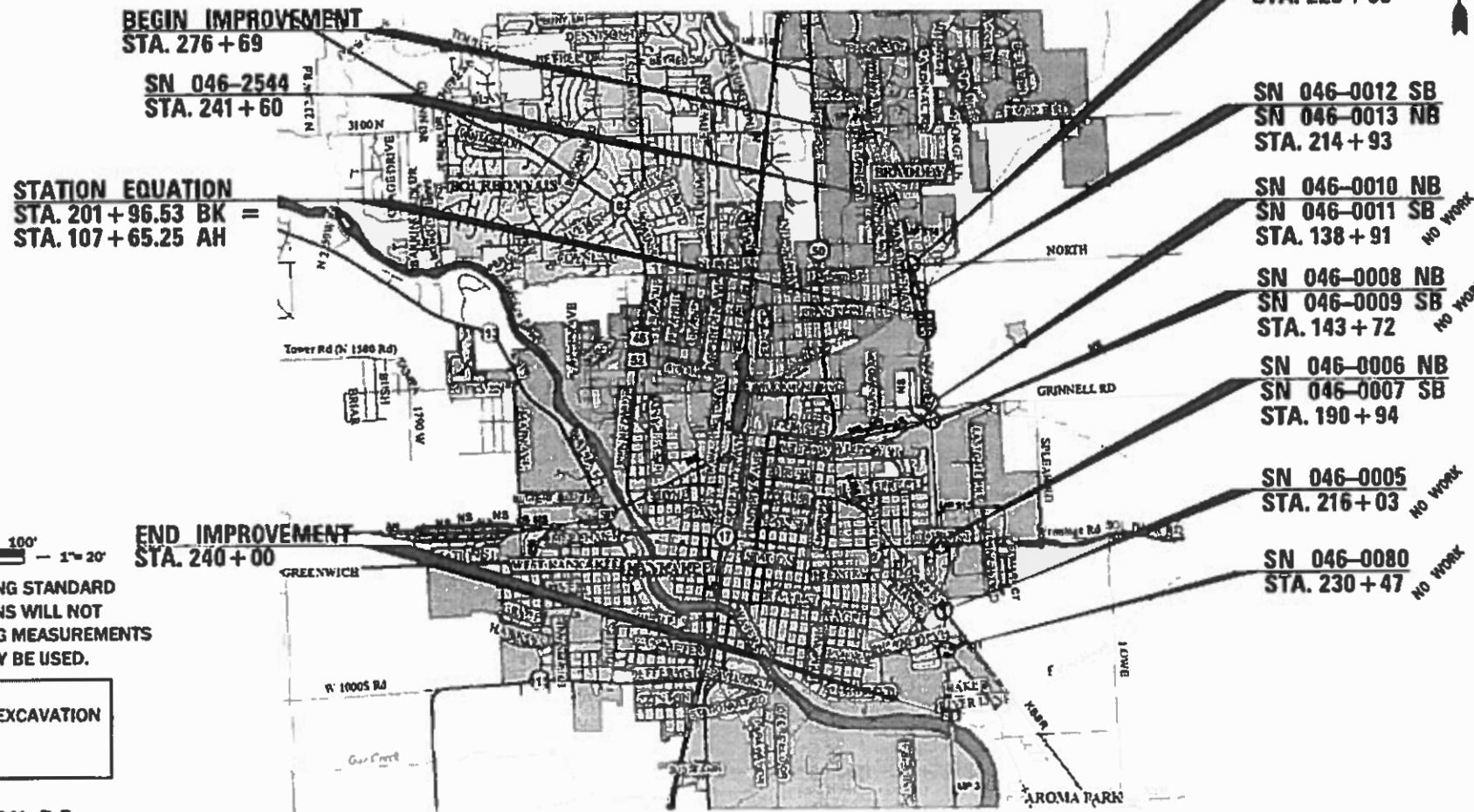
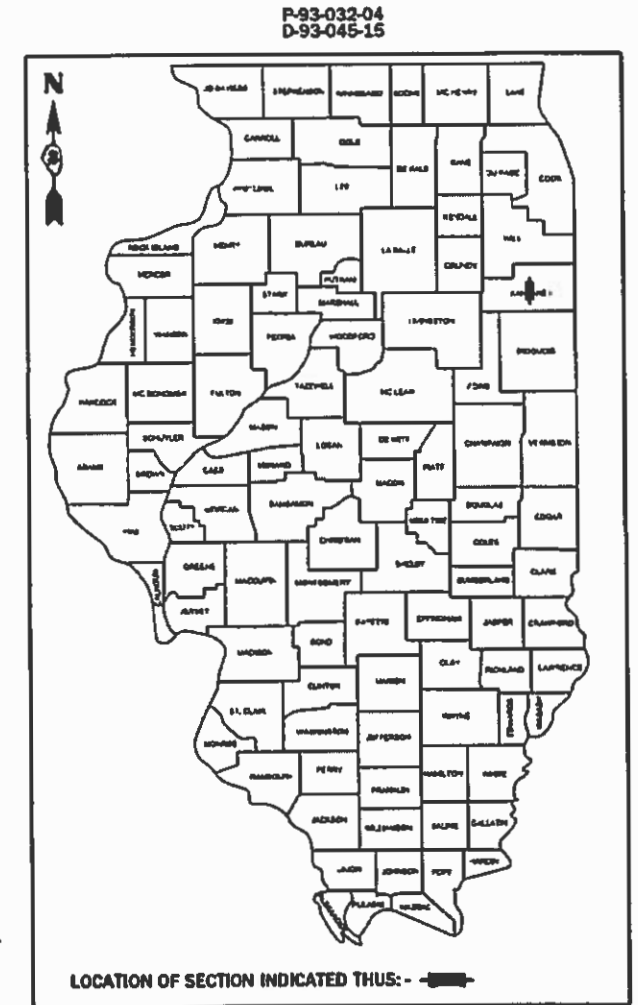
- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-9 SUMMARY OF QUANTITIES
- 10-16 TYPICAL SECTIONS
- 17-22 SCHEDULES
- 23-48 BRIDGE PLANS FOR SN 046-0012 & 046-0013
- 49 CAUSEWAY PLAN
- 50-57 BRIDGE PLANS FOR SN 046-0006 & 046-0007
- 58-61 TRAFFIC STAGING PLANS
- 62-63 ALTERNATE ROUTE SIGNING
- 64-76 DETAILS

FOR THE LIST OF STANDARDS, SEE SHEET 2

# 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



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

**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  
*A. ETS*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 22 2019  
*David P. Chaf*  
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: *Tom Benoit*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-1-19

EXAMINED BY: *KCS*  
DISTRICT CONSTRUCTION ENGINEER

*Michael A. Short*  
DISTRICT MATERIALS ENGINEER

*Tom Benoit*  
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME = plm1076	DESIGNED -	REVISED -
part\1\084EBID\INTEG\Illinois.gov\PWDOT\Documents\DOT\Office\District 3\Projects\EP03204\CAD\Drawings\CAD\Drawings\DRAMM\ver.dgn			
PLOT SCALE = 1/32" = 1/32" / 1/32"	CHECKED -	REVISED -	
PLOT DATE = 2/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	148-246-3)RS-3 & 1	KANKAKEE	76	2
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

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	
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, 1L-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, 1L-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					

MODEL: Default  
 FILE NAME: p:\u0000\B&E\BID\ITEC\Illinois\poc\p\W\DOT\Documents\1\DOT\_Offices\1\Dir\1\3\Projects\1\ER03\04\CAD\data\CAD\hears\0366667-ah-500.dgn

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET 1 OF 8 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	3
CONTRACT NO. 66E67			ILLINOIS FED. AID PROJECT	

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

MODEL: Default  
 FILE: \\nas01c:\pub\B&E\BIDD\ITEC\Illinois\proj\PI\DOT\Documents\DOT\_Offices\Bldg\ct 3\proj\cts\ER03\04\CADD\data\CAD\heerist\036667-rh-500.dgn

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>	
SCALE: _____	SHEET 2 OF 8 SHEETS STA. _____ TO STA. _____

F.A.I. RTE. 57	SECTION (46-2.46-3)RS-3 & I	COUNTY KANKAKEE	TOTAL SHEETS 76	SHEET NO. 4
			CONTRACT NO. 66E67	
		ILLINOIS FED. AID PROJECT		



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	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	85	85					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13396	13396					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1434	1434					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	84	84					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	91604	91604					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	11130	11130					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	304	304					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	87	87					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2125	2125					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2625	2625					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4					
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	6					
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	11	11					
* 72501100	TERMINAL MARKER - POST MOUNTED	EACH	14	14					

\* SPECIALTY ITEM

MODEL: Default  
FILE: \\nas01c.pva\illinois\B&E\BID\NTEC\Illinois\pva\RW\DOT\Documents\1\DOT\_Offices\Director\_3\Projects\IER03\04\CAD\data\CAD\heerist\366667-rh-500.dgn

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET 4 OF 8 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	6
			CONTRACT NO. 66E67	
			ILLINOIS FED. AID PROJECT	

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	4
	X0326880	MESSAGE BOARD VEHICLE DRIVER	HOURL	250	250				
	X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	2	2				

\* SPECIALTY ITEM

MODEL: Default  
FILE: \\nas01c.pva\illinois\BID\NTEC\Illinois\pva\PI\DOT\Documents\BIDD\Office\BID\refct 3\proj\cts\IEP03204\CAD\data\CAD\heer\csD36667.rpt-S00.dgn

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET 5 OF 8 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	7
CONTRACT NO. 66E67			ILLINOIS FED. AID PROJECT	

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



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	HOUR	2000	2000					
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	5				4	1	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000	2000					

Ø 0042

MODEL: Default  
FILE NAME: p:\u0000\B&E\BIDD\ITEC\Illinois\pwr\pwr\DOT\Documents\DOT - Offices\Bldg\3\proj\cts\ER03\04\CAD\data\CAD\heer\cs\366667-ph-500.dgn

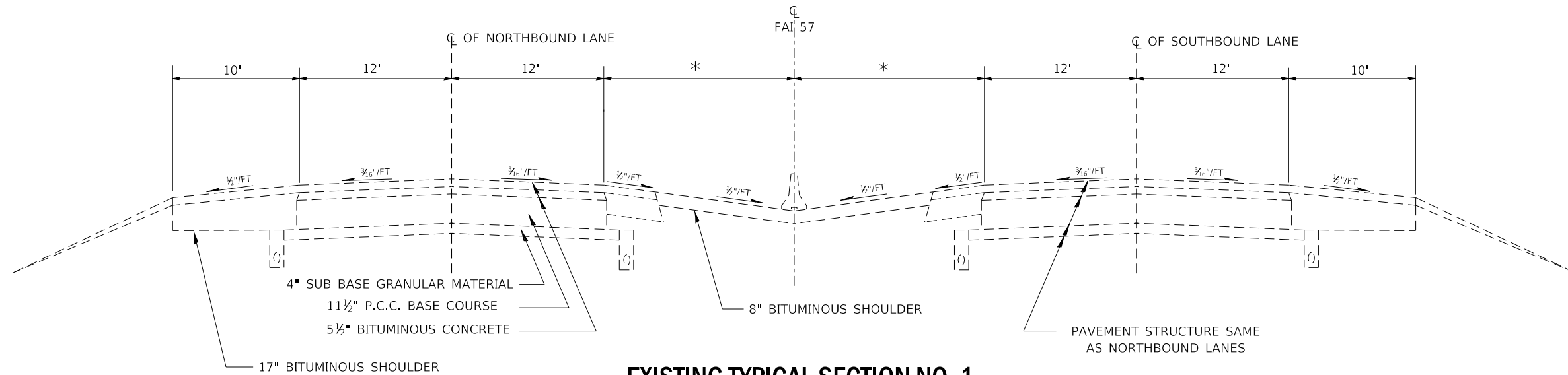
USER NAME = pletschr	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

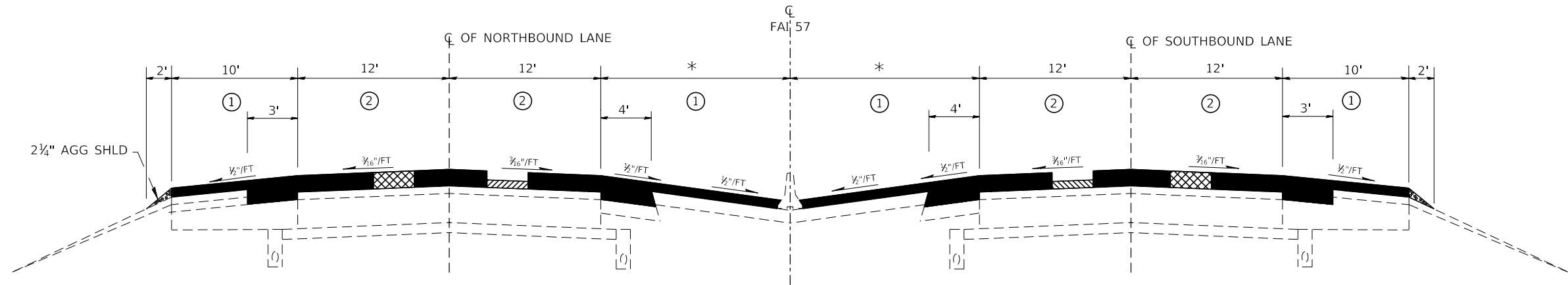
SCALE: \_\_\_\_\_ SHEET 7 OF 8 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	9
			CONTRACT NO. 66E67	
			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION NO. 1**  
STA 276+69 TO STA 271+94

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



**PROPOSED TYPICAL SECTION NO. 1**  
STA 276+69 TO STA 271+94

NOTE: MATCH EXISTING SUPER ELEVATIONS

- 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

HMA MIXTURE REQUIREMENT TABLE									
MIXTURE USE(S):	HMA BINDER	SMA SURFACE	HMA SHOULDER BOTTOM LIFT	HMA SHOULDER TOP LIFT	6" HMA STABILIZATION	HMA RAMP BOTTOM LIFT	SMA RAMP TOP LIFT	HMA RAMP SHOULDER BOTTOM LIFT	HMA RAMP SHOULDER TOP LIFT
BINDER GRADE (PG):	SBS PG70-28	SBS PG76-28	PG64-22	PG64-22	PG64-22	SBS PG70-28	SBS PG76-28	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N90	4.0% @ N80	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N90	4.0% @ N80	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 12.5	IL 19.0	IL 9.5	IL 19.0	IL 19.0	IL 12.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE E		MIXTURE C			MIXTURE E		MIXTURE C
DENSITY TEST METHOD:	CORES	CORES	CORES/NUCLEAR	CORES/NUCLEAR	SATISFACTION OF THE ENGINEER	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	PFP	PFP	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	1000	1000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LOCATION(S)	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT

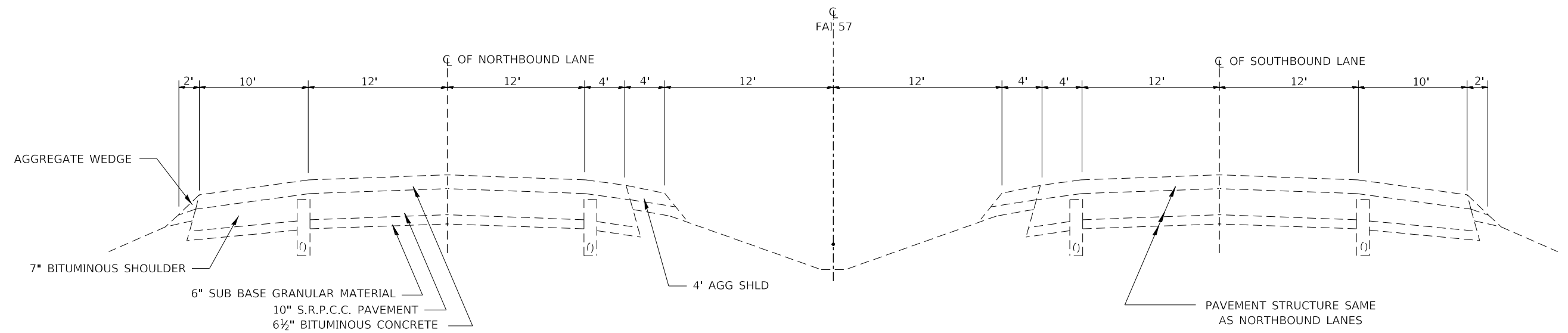
MODEL: Default  
FILE: hma12c\_pavtypsec001.dwg  
PROJECT: IEP032019\CADD\data\CADDsheet03xxxxx.dwg  
OFFICE: IEP032019\CADD\data\CADDsheet03xxxxx.dwg  
DATE: 4/17/2019

USER NAME = pletschr	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISED - _____	
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 4/17/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

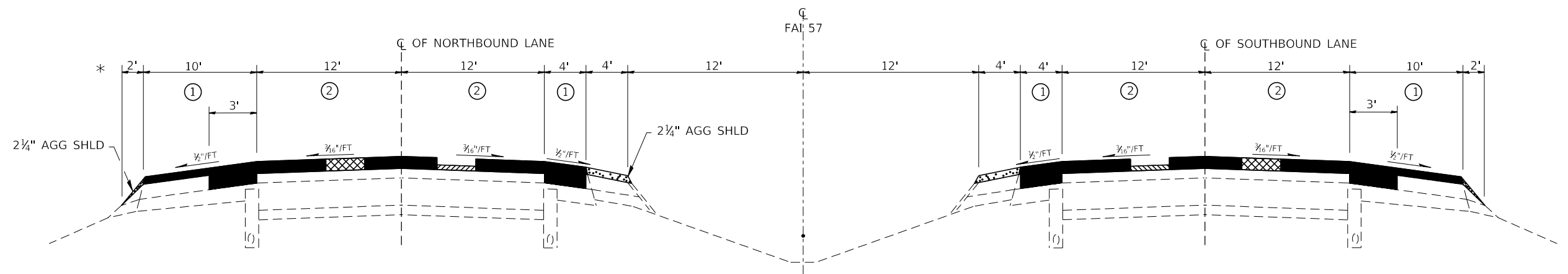
**TYPICAL SECTIONS**  
SCALE: \_\_\_\_\_ SHEET 1 OF 7 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	10
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



### EXISTING TYPICAL SECTION NO.2

STA 271+94 TO STA 228+35.17



### PROPOSED TYPICAL SECTION NO.2

STA 271+94 TO STA 228+35.17

- 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

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

MODEL: D:\default  
 FILE NAME: P:\ILLINOIS\B&E\BIDDING\ITC\Illinois.pptx\PROJECT\Documents\3101\CAD\data\CAD\headers\3101\xxxxx-sh-by-pcaul.dgn

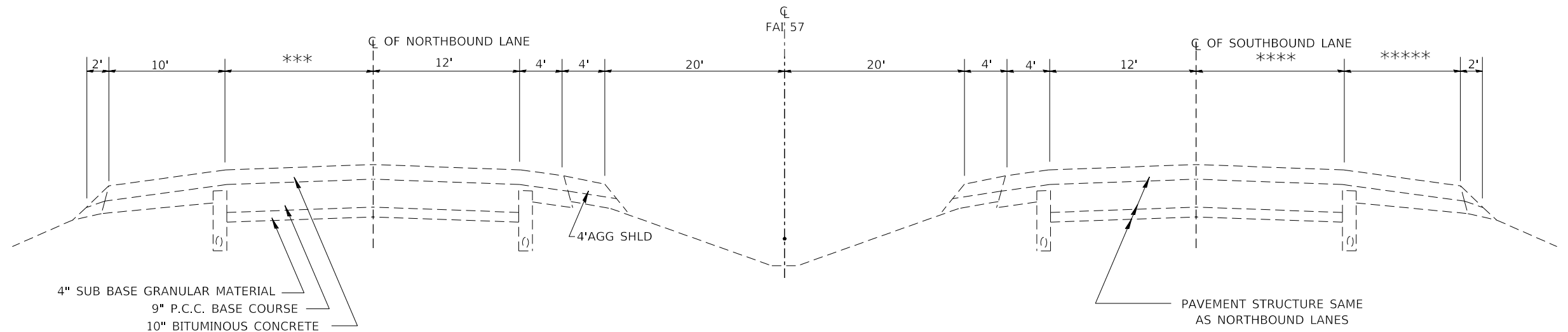
USER NAME = carpenterdj	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: \_\_\_\_\_ SHEET 2 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	11
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



### EXISTING TYPICAL SECTION NO. 3

\*\*\* STA. 177+65 TO STA. 177+50 12.3' - 12'

STA. 228+35.17 TO STA. 201+96.53

STA. EQUATION: STA. 201+96.53 (BK)=  
STA. 107+65.25 (AH)

STA. 107+65.25 TO STA 177+65

\*\*\*\* STA. 177+05 TO STA. 174+83.21 13.31' - 12'

\*\*\*\*\* STA. 177+65 TO STA. 174+83.21 8'  
STA. 174+83.21 TO STA. JOB LIMITS 10'

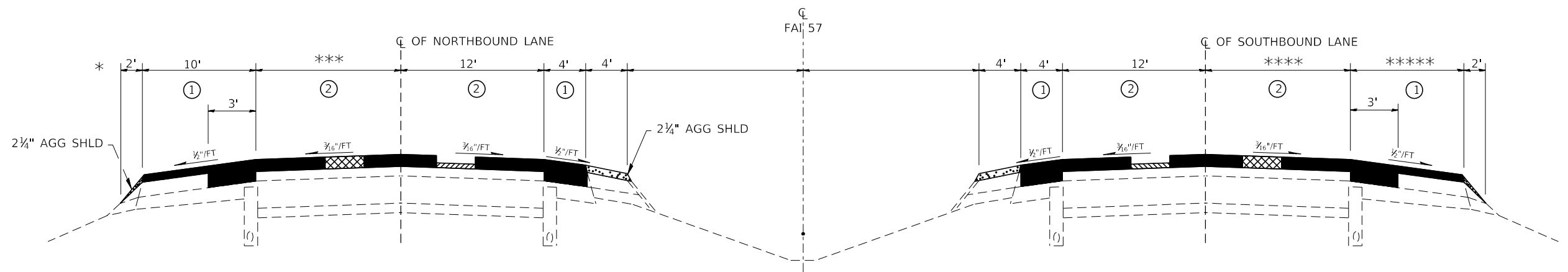
#### BRIDGE OMISSIONS

STA. 215+29.5 TO STA. 214+58.5  
(S.N. 046-0012 AND 046-0013 SOLDIER CREEK)

STA. 138+30.88 TO STA. 139+51.04  
(S.N. 046-0010 AND 046-0011 GRINNELL RD)

STA. 142+42.19 TO STA. 145+01.86  
(S.N. 046-0008 AND 046-0009 CONRAIL)

NOTE: THERE IS CURRENTLY CONCRETE CURB B-6.24 AT THE FOLLOWING AREAS. THESE AREAS WILL REQUIRE ADDITIONAL MILLING TO MATCH THE CURB.  
STA. 152+00 TO STA. 145+01.86 (SB)  
STA. 151+84 TO STA. 145+01.86 (NB)  
STA. 142+42.19 TO STA. 139+51.04 (NB + SB)  
STA. 138+30.88 TO STA. 135+30 (NB + SB)  
THE OUTSIDE SHLD IS ONLY 8' INSTEAD OF 10' OUT TO THE 2' CURB



\*\*\* STA. 177+65 TO STA. 177+50 12.3' - 12'

### PROPOSED TYPICAL SECTION NO. 3

STA. 228+35.17 TO STA. 201+96.53

STA. EQUATION: STA. 201+96.53 (BK)=  
STA. 107+65.25 (AH)

STA. 107+65.25 TO STA 177+65

\*\*\*\* SEE RAMP TYPICALS FOR LOCATIONS OUTSIDE OF SOUTH BOUND 12' DRIVING LANE FOR STA. 177+65-STA. 174+83.21

\*\*\*\*\* SEE RAMP TYPICAL FOR LOCATIONS OUTSIDE OF SOUTH BOUND 10' SHOULDER FOR STA. 177+65-STA. 174+83.21

#### BRIDGE OMISSIONS

STA. 145+01.86 TO STA. 142+42.19  
(S.N. 046-0008 AND 046-0009 CONRAIL)

STA. 139+51.04 TO STA. 138+30.88  
(S.N. 046-0010 AND 046-0011 GRINNELL RD)

STA. 215+29.5 TO STA. 214+58.5  
(S.N. 046-0012 AND 046-0013 SOLDIER CREEK)

- 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

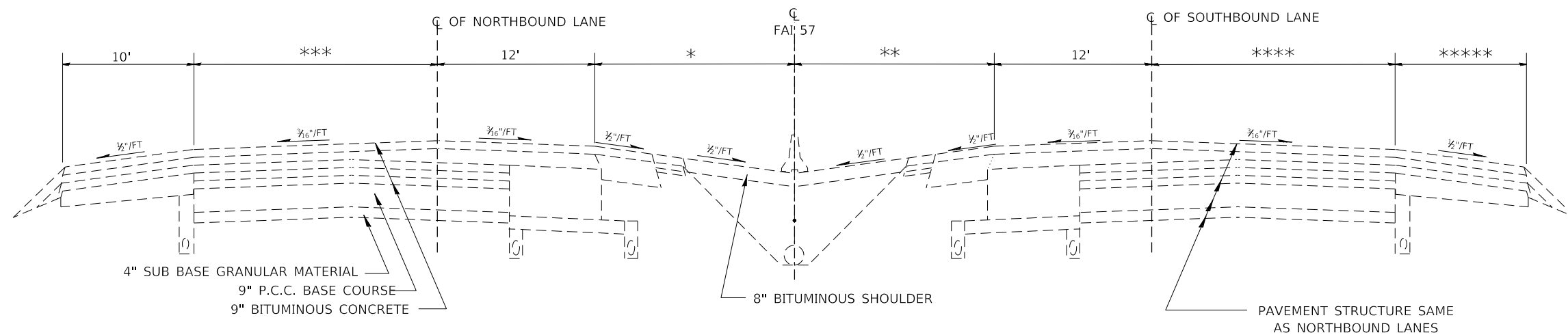
NOTE: LONGITUDINAL JOINT SEALANT WILL ONLY BE PLACED ON THE CENTERLINE UNDER THE SURFACE LIFT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: \_\_\_\_\_ SHEET 3 OF 7 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

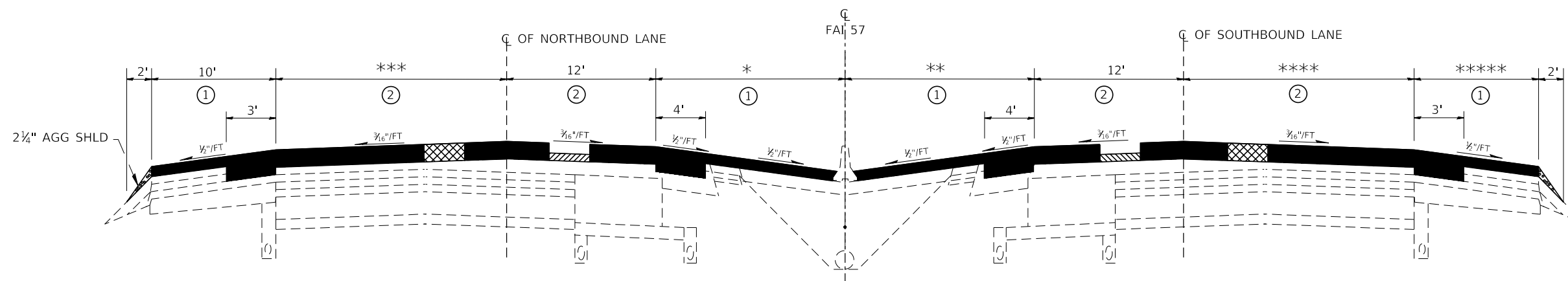
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	12
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



### 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

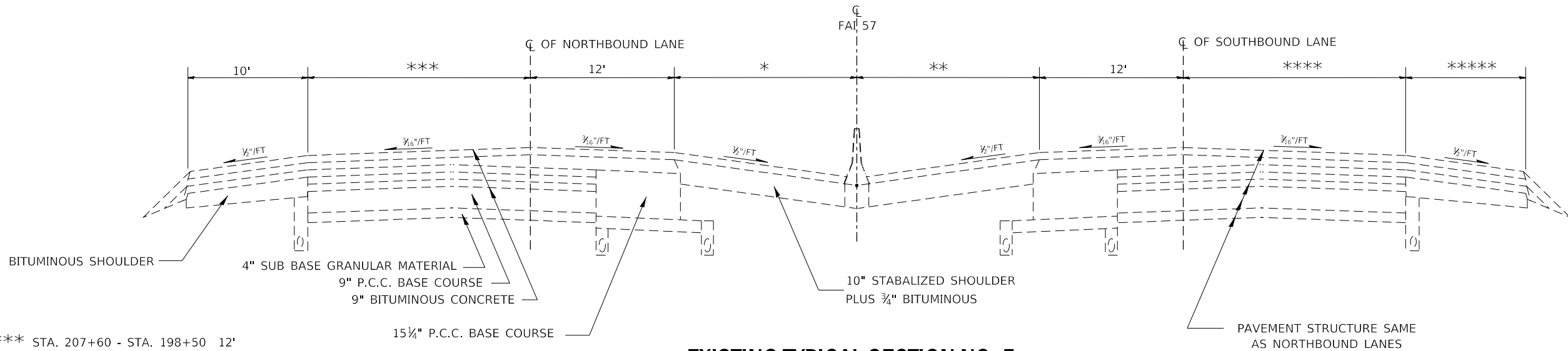
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: \_\_\_\_\_ SHEET 4 OF 7 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE. 57	SECTION (46-2.46-3)RS-3 & I	COUNTY KANKAKEE	TOTAL SHEETS 76	SHEET NO. 13
			CONTRACT NO. 66E67	
		ILLINOIS FED. AID PROJECT		

MODEL: Default  
FILE: \\nas101\B&E\BID\ITC\Illinois\gov\PWD\DOT\Documents\13DOT\Projects\57\57-3\CD\Drawings\CD\Drawings\66E67\66E67-13.dwg



### 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'

PAVEMENT STRUCTURE SAME AS NORTHBOUND LANES

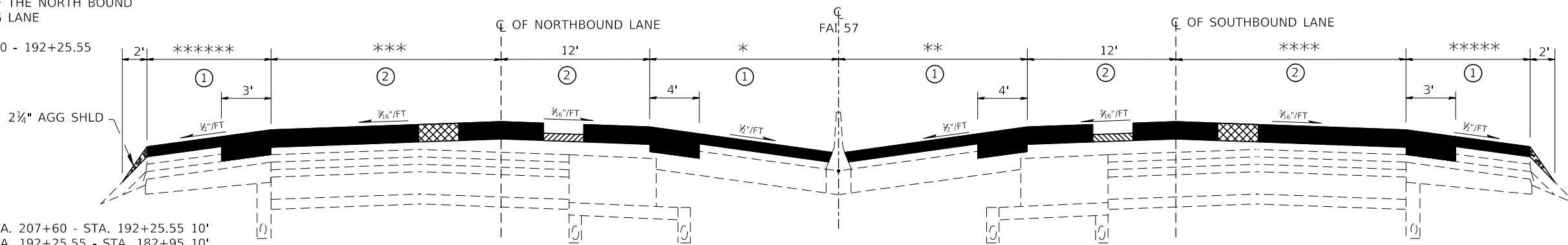
\*\*\* STA. 207+60 - STA. 203+97.89 21.05' - 24'  
STA. 203+97.89 - STA. 192+24.64 24'  
STA. 192+24.64 - STA. 189+58.55 STRUCTURE  
STA. 189+58.55 - STA. 186+39 24' - 43'  
STA. 186+39 - STA. 182+95 12'

\*\*\*\*\* 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'

\*\*\* 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'



### 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)

\*\*\*\*\* STA. 207+60 - STA. 192+25.55 10'  
STA. 192+25.55 - STA. 182+95 10'  
SEE RAMP TYPICALS FOR LOCATIONS OUTSIDE OF THE NORTH BOUND 12' DRIVING LANE FOR STA. 207+60 - STA. 192+25.55

\*\*\* 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

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. 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: M:\I1108\B&E\IDN\TEC\Illinois\pwr\WIDOT\Documents\1108 DOT Office\1108.dwg 3/1/2019 11:08:00 AM

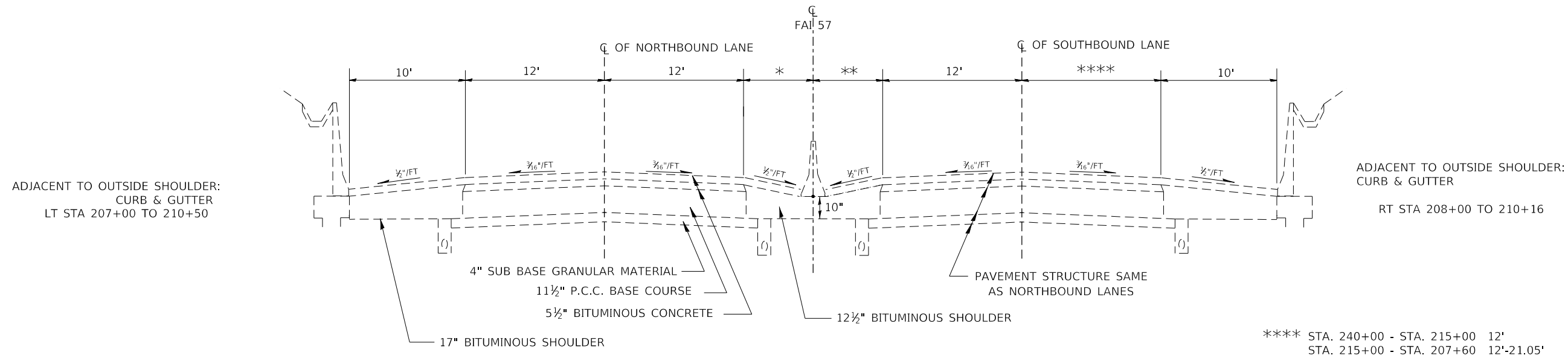
USER NAME = carpenter@j	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: \_\_\_\_\_ SHEET 5 OF 7 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE. 57	SECTION (46-2.46-3)RS-3 & I	COUNTY KANKAKEE	TOTAL SHEETS 76	SHEET NO. 14
			CONTRACT NO. 66E67	
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION NO. 6**  
STA 240+00 TO STA 207+60

\* STA. 240+00 - STA. 232+00 15' - 6'  
STA. 232+00 - STA. 215+00 6'  
STA. 215+00 - STA. 207+60 6' - 16.95'

\*\* STA. 240+00 - STA. 232+00 15' - 6'  
STA. 232+00 - STA. 215+00 6'  
STA. 215+00 - STA. 207+60 6' - 8'

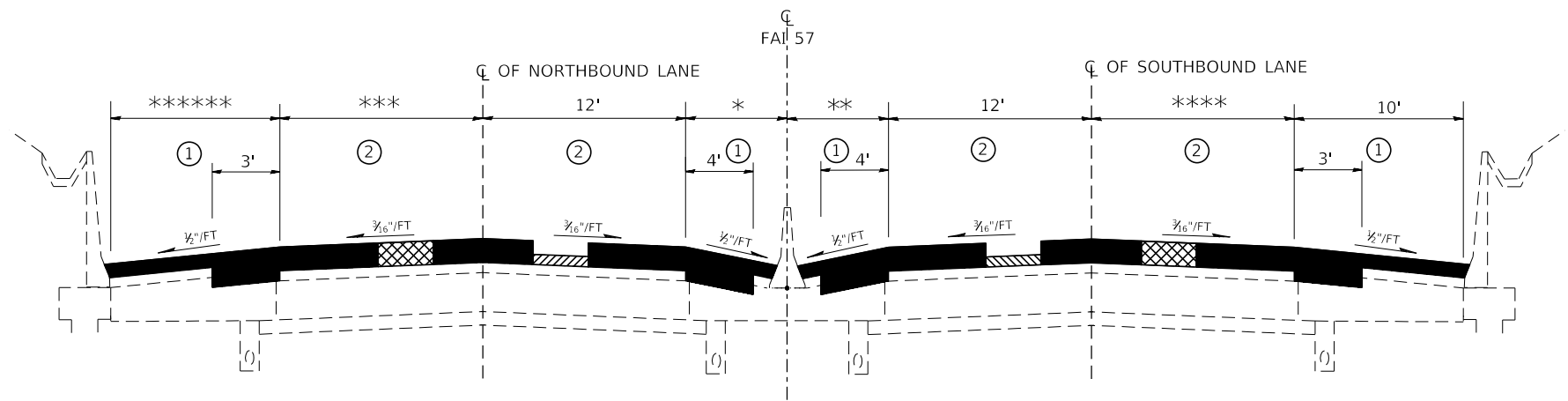
\*\*\*\*\* STA. 240+00 - STA. 215+85 10'  
\*\*\* STA. 240+00 - STA. 215+85 12'

SEE RAMP TYPICALS FOR LOCATIONS OUTSIDE OF THE NORTH BOUND 12' DRIVING LANE FOR STA. 215+85 - STA. 192+25.55

ADJACENT TO OUTSIDE SHOULDER:  
CURB & GUTTER  
LT STA 207+00 TO 210+50

ADJACENT TO OUTSIDE SHOULDER:  
CURB & GUTTER  
RT STA 208+00 TO 210+16

\*\*\*\*\* STA. 240+00 - STA. 215+00 12'  
STA. 215+00 - STA. 207+60 12'-21.05'



**PROPOSED TYPICAL SECTION NO. 6**  
STA 240+00 TO STA 207+60

\* STA. 240+00 - STA. 232+00 15' - 6'  
STA. 232+00 - STA. 215+00 6'  
STA. 215+00 - STA. 207+60 6' - 16.95'

\*\* STA. 240+00 - STA. 232+00 15' - 6'  
STA. 232+00 - STA. 215+00 6'  
STA. 215+00 - STA. 207+60 6' - 8'

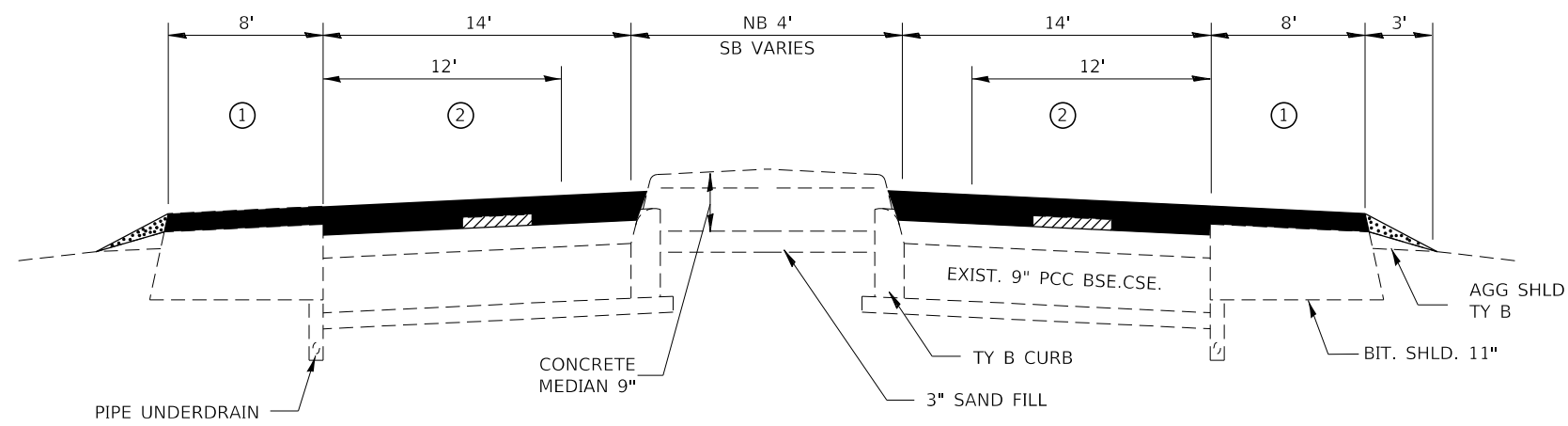
NOTE: LONGITUDINAL JOINT SEALANT WILL ONLY BE PLACED ON THE CENTERLINE UNDER THE SURFACE LIFT

- 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

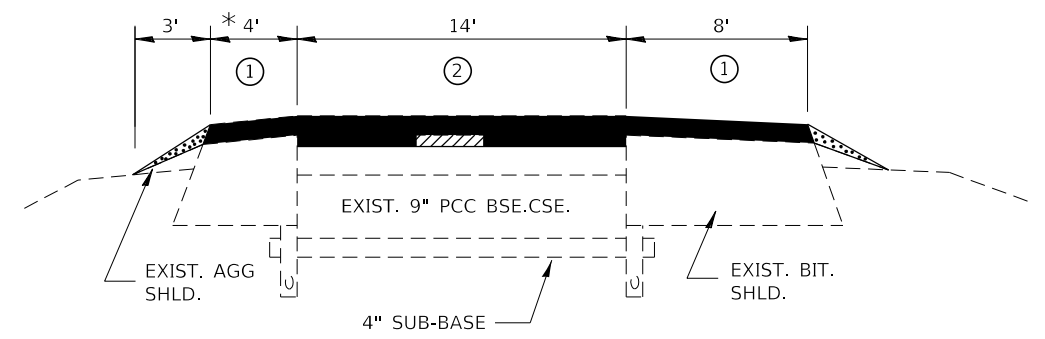
\*\*\*\*\* STA. 240+00 - STA. 215+00 12'  
STA. 215+00 - STA. 207+60 12'-21.05'

MODEL: Default  
FILE NAME: 3:\ILLINOIS\B&E\BIDDING\TCE\Illinois\proj\RWDOT\Documents\BIDDING\Office\BIDDING\3\proj\scs\TCE\ER03204\CADD\data\CADD\heestD3\xxxx-sht-by-pcal.dgn

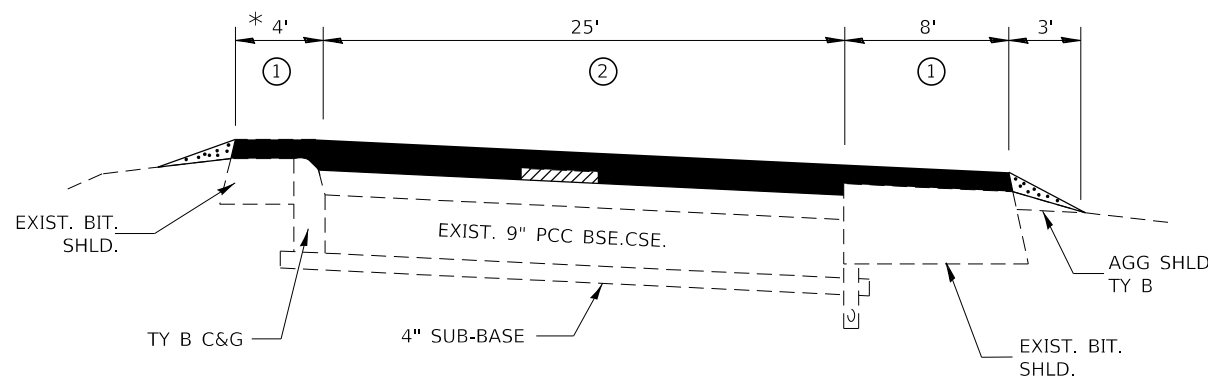
USER NAME = carpenterd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RTE. 57	SECTION (46-2.46-3)RS-3 & I	COUNTY KANKAKEE	TOTAL SHEETS 76	SHEET NO. 15	
PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____		SCALE: _____	SHEET 6 OF 7 SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66E67		ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/3/2019	DATE - _____	REVISED - _____										



**PROPOSED TYPICAL SECTION  
NO. 1 @ RAMPS**



**PROPOSED TYPICAL SECTION  
NO. 2 @ RAMPS**



**PROPOSED TYPICAL SECTION  
NO. 3 @ RAMPS**

- ① PROPOSED HMA SURFACE REMOVAL 4¼" PROPOSED 2" HMA SURFACE COURSE N70 MIX "C" PROPOSED 2¼" HMA BINDER COURSE N70 IL-19.0
- 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: 10 SHLD.

STA. 206+46 - STA. 196+78 NORTHBOUND  
STA. 185+90 - STA. 182+31 SOUTHBOUND

\* NOTE: MATCH EXISTING SUPER ELEVATIONS

**SOUTH BOUND EXIT**

STA. 174+83.21 - STA. 179+22 (0+00) NO. 2 (0',0'-14',8')  
STA. 0+00 - STA. 3+06 NO. 2 (0',14',8')  
STA. 3+06 - STA. 6+20 NO. 2 (4',14',8')  
STA. 6+20 - STA. 10+76 NO. 1 (0',14',8')  
GORE AREA  
STA. 182+31 - STA. 179+11 (20'-0')

**NORTH BOUND EXIT**

STA. 0+00 - STA. 2+00 NO. 2 (0',0'-14',8')  
STA. 2+00 - STA. 5+26 NO. 2 (0',0'-14',8')  
STA. 5+26 - STA. 7+91 NO.2 (0',14',8')  
STA. 7+91 - STA. 14+61 NO. 2 (4',14',8')  
STA. 14+61 - STA. 16+15 NO. 2 (0',14',8')  
STA. 16+15 - STA. 22+65 NO. 1 (0',14',8')  
GORE AREA  
STA. 208+91 - STA. 206+46 (0'-20')

**SOUTH BOUND ENTRANCE**

STA. 9+92 - STA. 7+06 NO. 1 (0,14',8')  
STA. 7+06 - STA. 6+14 NO. 2 (0',14',8')  
STA. 6+14 - STA. 5+42 NO. 3 (4',14'-25',8')  
STA. 5+42 - STA. 4+20 NO. 3 (4',25',8')  
STA. 4+20 - STA. 3+48 NO 3 (0',25'-14',8')  
STA. 3+48 - STA. 0+49 NO. 2 (0',14'-12',8')  
GORE AREA  
STA. 189+58.55 - STA. 185+90 (0'-20')

**NORTH BOUND ENTRANCE**

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')

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

USER NAME = carpenterdj	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100,0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

SCALE: \_\_\_\_\_ SHEET 7 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	16
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



**MAINLINE SCHEDULE**

LOCATION	LENGTH	HMA SURF	HMA SURF	HMA SURF	2 1/4" BINDER	4" BINDER	2" SURFACE	2" SURFACE	LONG JOINT	BIT MATL'S	TEMP	MIX CRACKS	LEVEL	RUMBLE			
		REM 2"	REM 4 1/4"	REM 6"	MAINLINE	SHOULDER	MAINLINE, MIX	SHLDR, MIX "C"	SEALANT	(TACK COAT)	RAMP	JTS & FLGWYS	BIND (HM)	STRIP			
	FT	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	FOOT	POUND	SQ YD	TON	TON	FT			
	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	
Gap (SN 006-0008)	RR	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
	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	
	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	
<b>TOTALS</b>					<b>38047</b>	<b>107428</b>	<b>31333</b>	<b>13536</b>	<b>7019</b>	<b>12032</b>	<b>6267</b>	<b>40285</b>	<b>114813</b>	<b>432</b>	<b>51</b>	<b>88</b>	<b>80811</b>

**RAMP RESURFACING**

LOCATION	LENGTH	BIT MATL'S	2" SURFACE	2" SURFACE	2 1/4" BINDER	2 1/4" BINDER	HMA SURF
		(TACK COAT)	MAINLINE, MIX	SHLDR, MIX "C"	MAINLINE	SHOULDER	REM 4 1/4"
	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
<b>TOTALS</b>		<b>12386</b>	<b>2055</b>	<b>2055</b>	<b>2312</b>	<b>2312</b>	<b>18349</b>

PATCHING SCHEDULE SOUTHBOUND LANES											
LOCATION	PASSING LANE					DRIVING LANE					
	PATCH LENGTH	CLASS B PATCHING TYPE II 17"	WELDED WIRE REINFORCMENT	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING TYPE II 17"	CLASS B PATCHING TYPE III 17"	WELDED WIRE REINFORCMENT	DOWEL BARS	SAW CUTS
	(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	PASSING LANE				DRIVING LANE		
	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	DOWEL BARS	SAW CUTS	PATCH LENGTH	CLASS B PATCHING TYPE II 20"	SAW CUTS
	(FT)	SQ YD	EACH	FOOT	(FT)	SQ YD	FOOT
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  (FT)	CLASS B PATCHING TYPE II 17"  SQ YD	DOWEL BARS  EACH	SAW CUTS  FOOT	PATCH LENGTH  (FT)	CLASS B PATCHING		WELDED WIRE REINFORCEMENT  SQ YD	DOWEL BARS  EACH	SAW CUTS  FOOT
						TYPE II 17"  SQ YD	TYPE III 17"  SQ YD			
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  (FT)	CLASS B PATCHING TYPE II 20"  SQ YD	WELDED WIRE REINFORCEMENT  SQ YD	DOWEL BARS  EACH	SAW CUTS  FOOT	PATCH LENGTH  (FT)	CLASS B PATCHING		WELDED WIRE REINFORCEMENT  SQ YD	DOWEL BARS  EACH	SAW CUTS  FOOT
							TYPE II 20"  SQ YD	TYPE III 20"  SQ YD			
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 6' X 12' / 9 = 8.0 SQ YD	NORTH APPROACH PARTIAL DEPTH 5' X 2' / 9 = 1.1 SQ YD

GUARDRAIL										
STA TO STA	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
		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
<b>NORTHBOUND SUBTOTAL</b>		<b>6</b>	<b>6</b>	<b>1088</b>	<b>288</b>	<b>6</b>	<b>2</b>	<b>16</b>	<b>558</b>	<b>1750</b>
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
<b>SOUTHBOUND SUBTOTAL</b>		<b>5</b>	<b>5</b>	<b>1538</b>	<b>513</b>	<b>7</b>	<b>3</b>	<b>22</b>	<b>624</b>	<b>1875</b>
<b>GRAND TOTAL</b>		<b>11</b>	<b>11</b>	<b>2625</b>	<b>800</b>	<b>13</b>	<b>5</b>	<b>38</b>	<b>1182</b>	<b>3625</b>

\*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
<b>TOTAL</b>	<b>12673</b>	<b>282</b>	<b>14</b>	<b>14</b>	<b>5944</b>

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
<b>TOTAL</b>	<b>122</b>

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	975		2		12	4619	1538	1046	
	STAGE 1									
	STAGE 2									
SN 006-0012/0013	SOLDIER CREEK	675	975	2	2	12	2578	858	1046	
										STAGE 1
										STAGE 2
<b>TOTAL</b>		<b>2125</b>	<b>2625</b>	<b>4</b>	<b>6</b>	<b>72</b>	<b>11716</b>	<b>3901</b>	<b>1558</b>	

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	
		271+94.	272+05.	11.00	0		
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	25"	L&S	CRYSTAL	AMBER	RED
	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	WHITE SQ FT	FOOT	SQ FT	EACH	EACH	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

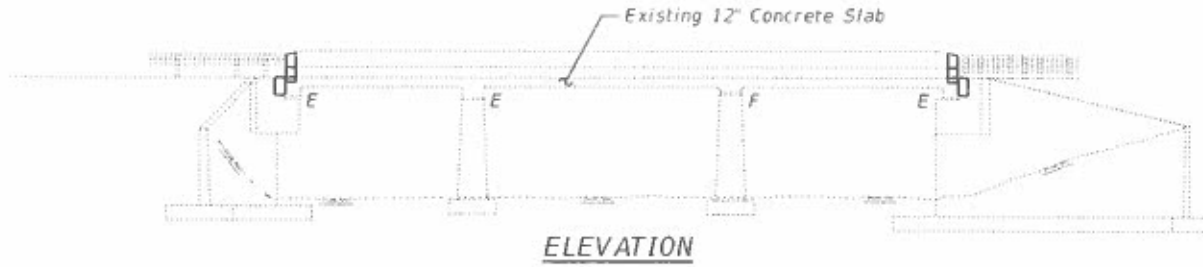
FOR TEMPORARY PAVEMENT MARKING QUANTITIES, SEE TEMPORARY PAVEMENT MARKING SCHEDULE.

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	RAISED REF PVMT MARK		
						4 INCH		6 INCH	5 INCH	7 INCH	9 INCH	EACH	EACH		
						WHITE	YELLOW							WHITE	WHITE
						FOOT	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				
	Gap (SN 006-0013)	SOLDIER CREEK	201+96.53	214+58.5	EDGE & CL	1261.97	1261.97	1261.97	320	1261.97	320	16	16		
		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	263.72	100	48	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									96	11130	40146	11130	48	557	557

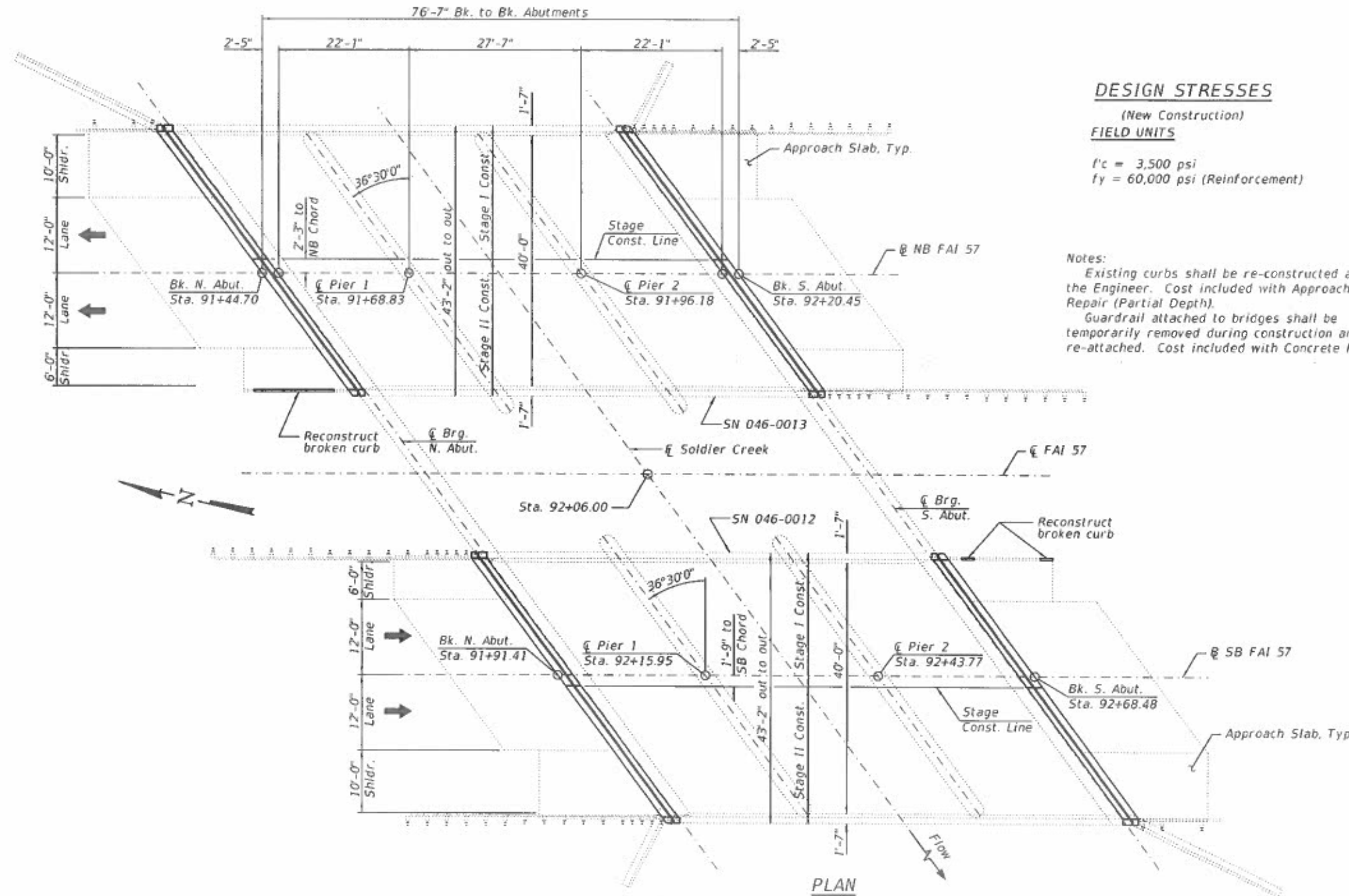
NOTE: OMISSION AREAS SHALL BE GROOVED AND STRIPED

TEMPORARY PAVEMENT MARKING SCHEDULE															
LOCATION				DESCRIPTION	LENGTH	TEMPORARY PAVEMENT MARKING LINE					LETTERS & SYMBOLS	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					
						WHITE	YELLOW	WHITE	WHITE	WHITE	SQ FT	SQ FT	FOOT	SQ FT	
						FOOT	FOOT	FOOT	FOOT	FOOT					
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															
Gap (SN 006-0013)	SOLDIER CREEK	201+96.53	214+58.5	EDGE & CL	1261.97	1261.97	1261.97	320				500.66	378.59	42.07	
		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.



ELEVATION



**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**

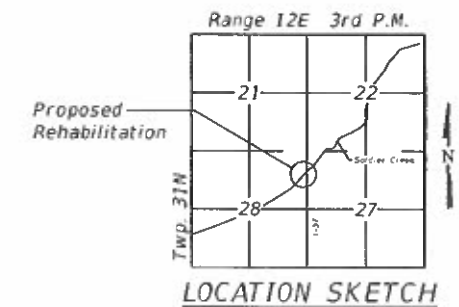
- $f'_c = 3,500$  psi
- $f_y = 60,000$  psi (Reinforcement)

**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.



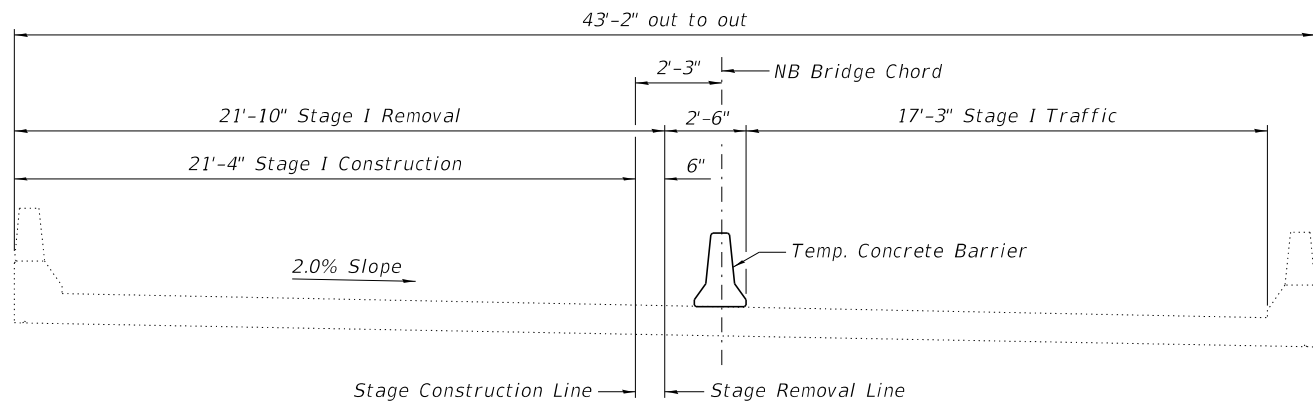
*Michael J. Haley* 1-31-2019  
Michael T. Haley Date  
Licensed Structural Engineer  
State of Illinois No. 81-5991  
Expires 11/30/2020



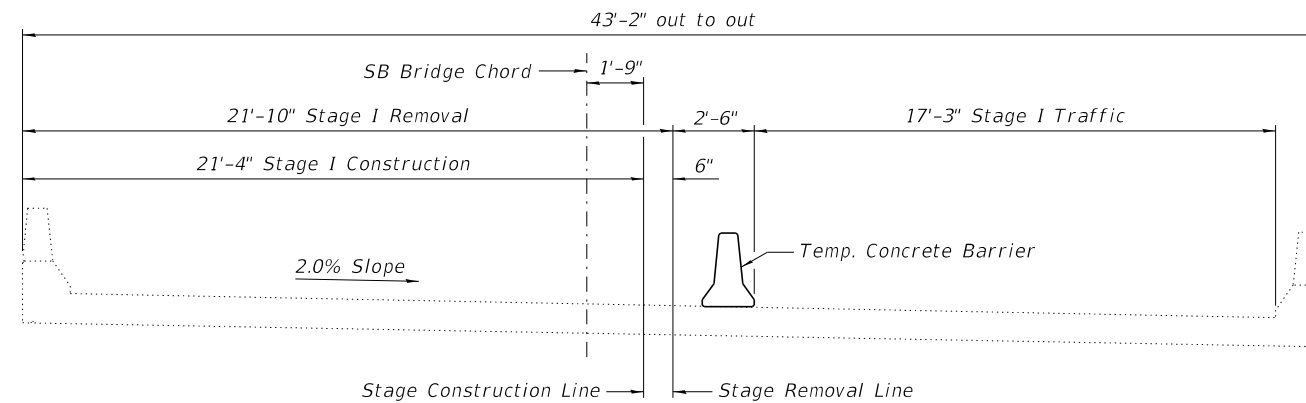
GENERAL PLAN AND ELEVATION  
I-57 OVER SOLDIER CREEK  
F.A.I. RTE. 57 - SEC. (46-2, 46-3) RS-3&I  
KANKAKEE COUNTY  
STATION 92+06.00  
STRUCTURE NOS. 046-0012(SB) & 046-0013(NB)

LIN ENGINEERING, LTD. Consulting Engineers Tombolo Plaza	USER NAME *	DESIGNED - MTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET 1 OF 28 SHEETS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE *	CHECKED - VPT	REVISED -							
PLOT DATE *				DRAWN - DAS	REVISED -	CONTRACT NO. 68E57				
				CHECKED - MTH	REVISED -	ILLINOIS FED. AID PROJECT				

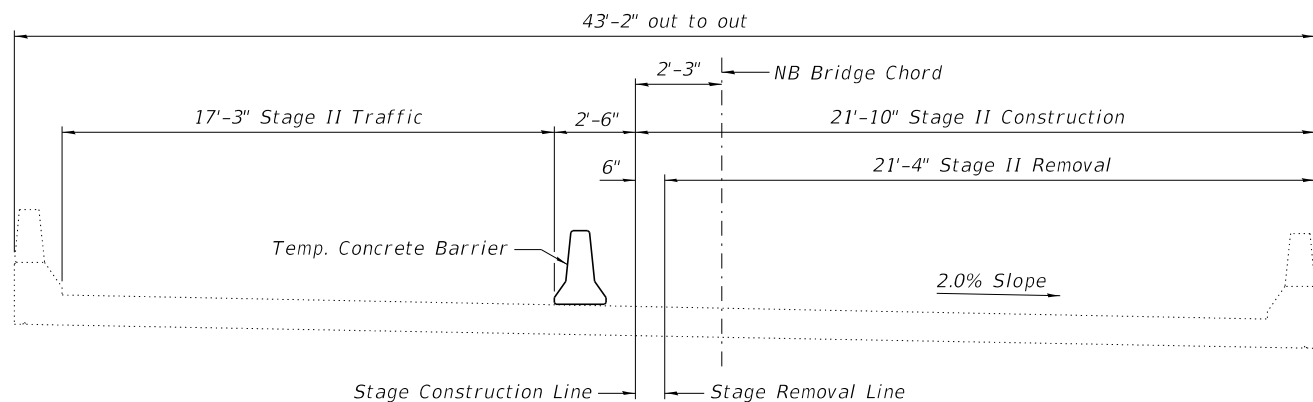
MODEL: Default  
FILE NAME: E:\11809-1465\11\Final Design\Design Files\CADD Sheets\046-0013-01-CP&L.dgn  
1/31/2019 7:03:14 PM



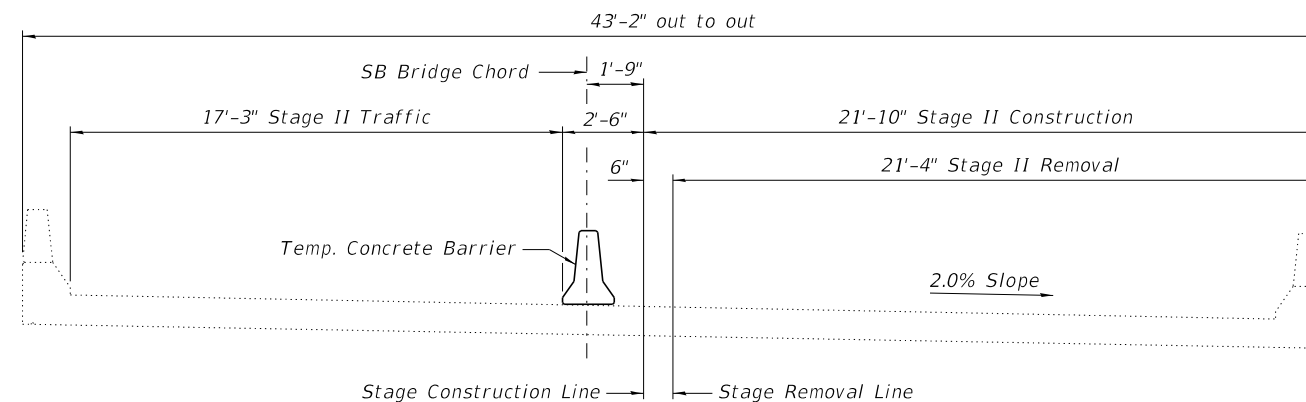
**STAGE I REMOVAL & CONSTRUCTION**  
(Looking South) (SN 046-0013)



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



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



**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.

MODEL: Default  
FILE NAME: p:\11084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT - Offices\District\_3\Projects\EP03204\CADData\CADSheets\0366E67-002-GeneralData.dgn



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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
STRUCTURE NOS. 046-0012 & 046-0013**

SHEET 2 OF 26 SHEETS

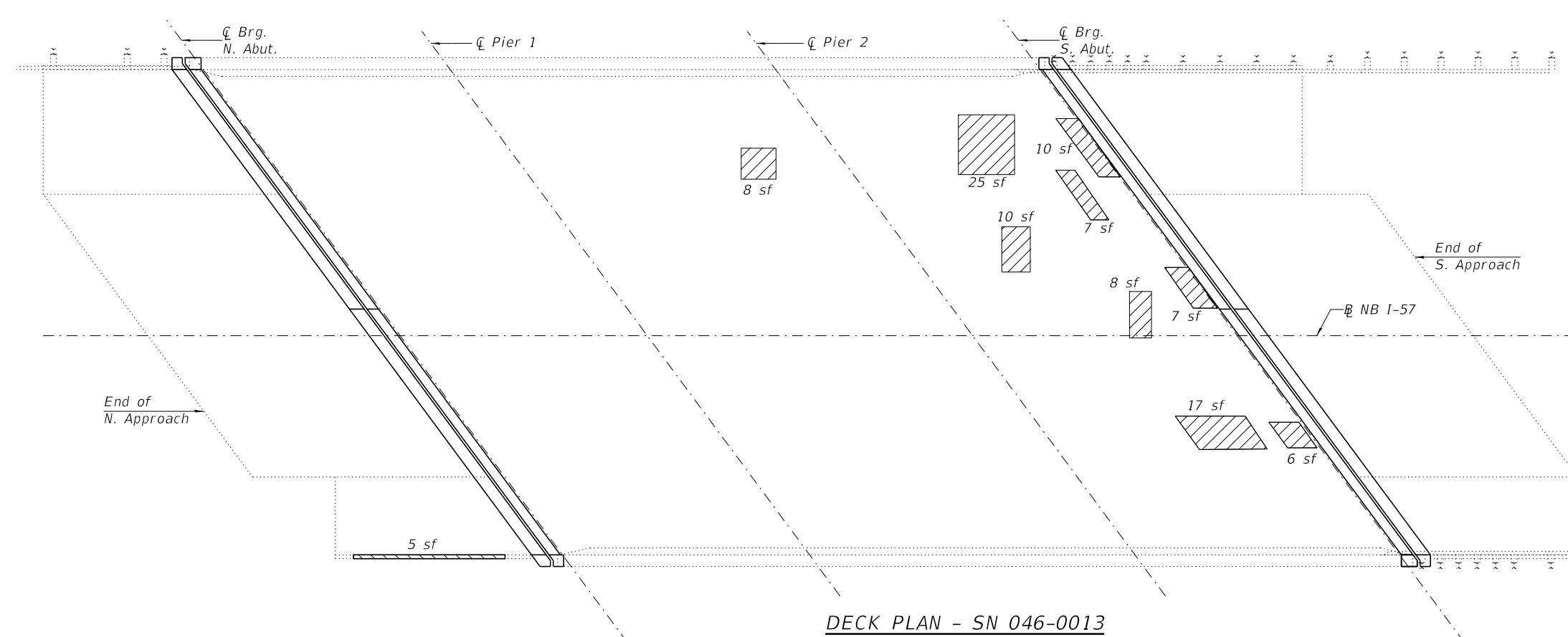
F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	26	24
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



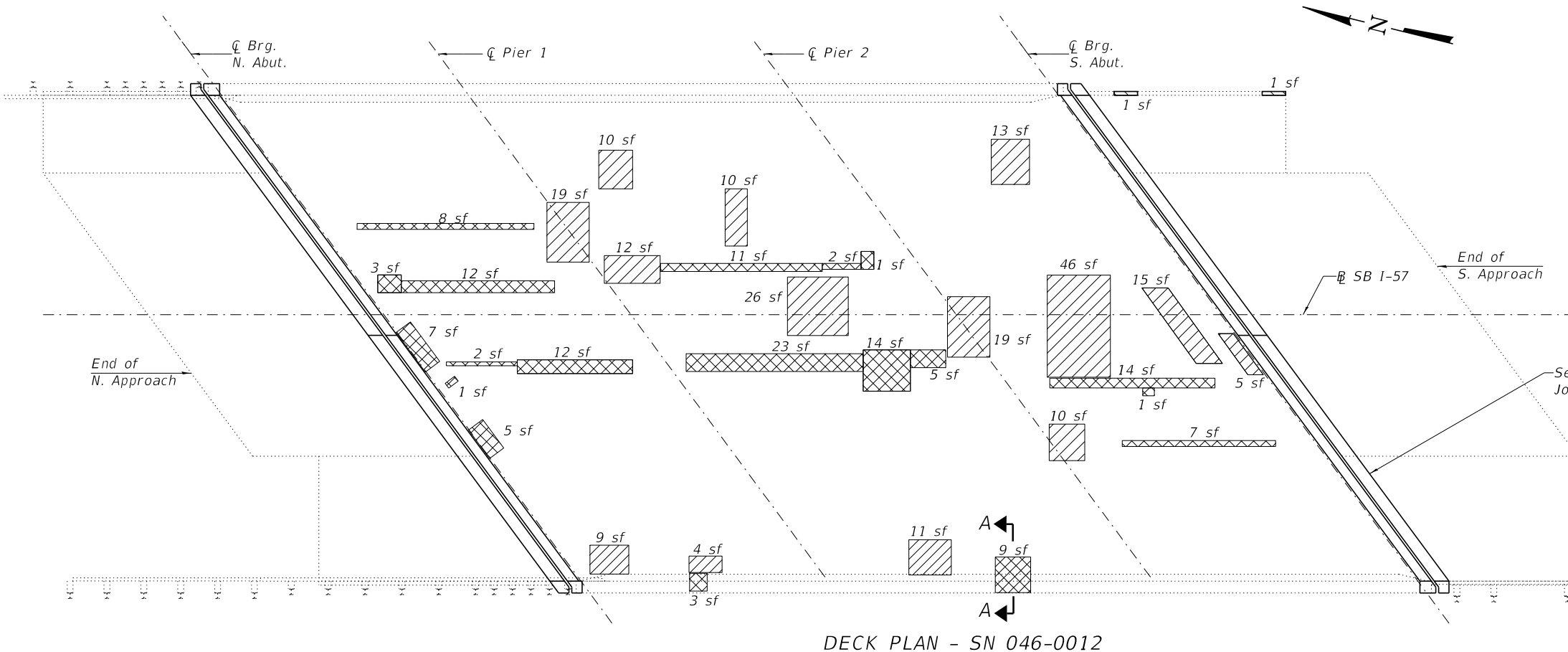
**LEGEND**

- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Partial Depth)
- Deck Slab Repair (Full Depth)
- Concrete Removal
- sf - Square Feet

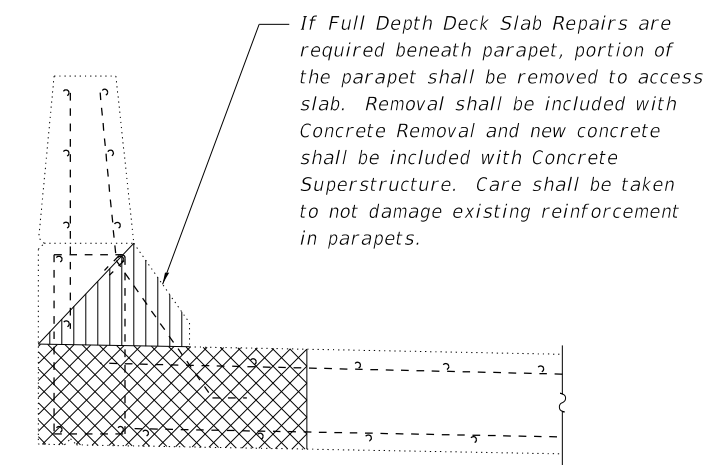
**Notes:**  
 Areas of deck repairs shown are estimated. The Engineer shall document actual locations of deck repairs on As-Built Plans on Sheet 4 of 26.  
 If the repair areas significantly differ from what's illustrated on the repair plans, the Engineer shall contact the Bureau of Bridges and Structures for concurrence prior to proceeding.



**DECK PLAN - SN 046-0013**



**DECK PLAN - SN 046-0012**



**SECTION A-A**

See Sheet 5 of 26 for Joint Replacement Details

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Approach Slab Repair (Partial Depth)	Sq. Yd.	0.9
Deck Slab Repair (Partial Depth)	Sq. Yd.	34.2
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2.6
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	13.0
Concrete Removal	Cu. Yd.	0.2
Concrete Superstructure	Cu. Yd.	0.2

MODEL: Default  
 FILE NAME: p:\v\1084848\BID\INTEG.\ilinois.gov\PWIDOT\Documents\DOT - Offices\District\_3\Projects\EP03204\CADData\CADSheets\0366E67-003-Deck Slab Repair.dgn  
 2/1/2019 2:25:04 PM



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

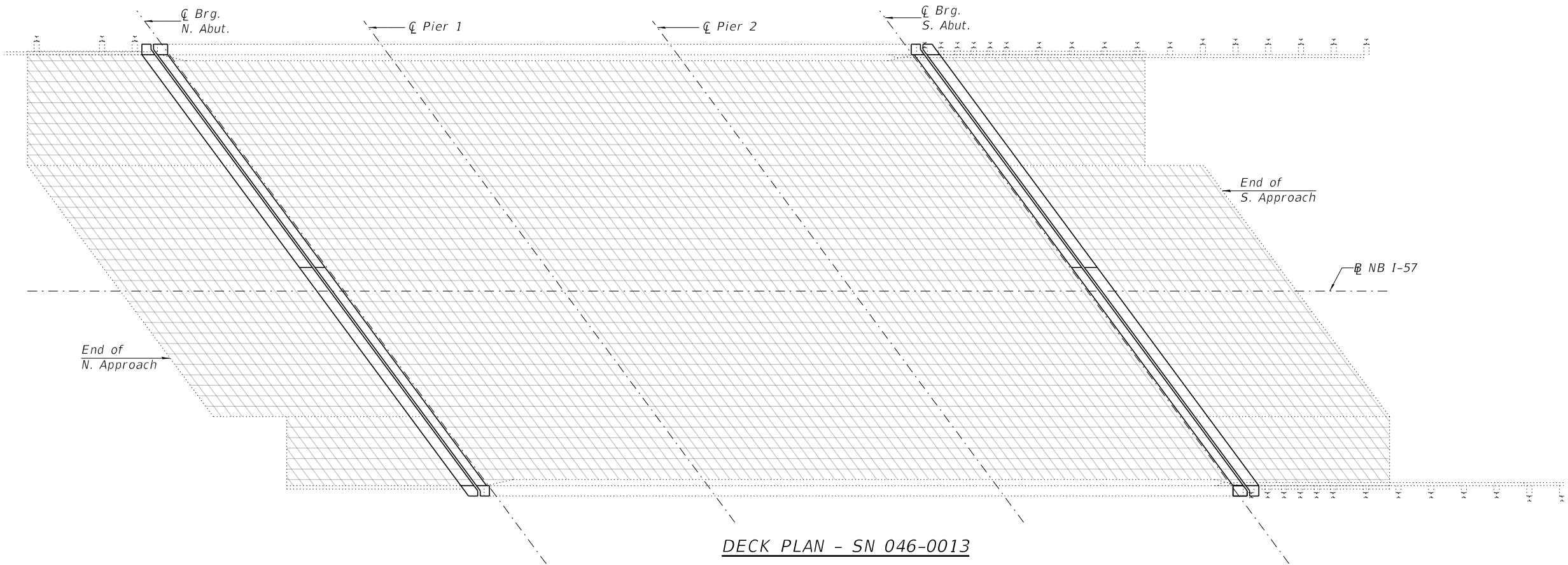
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

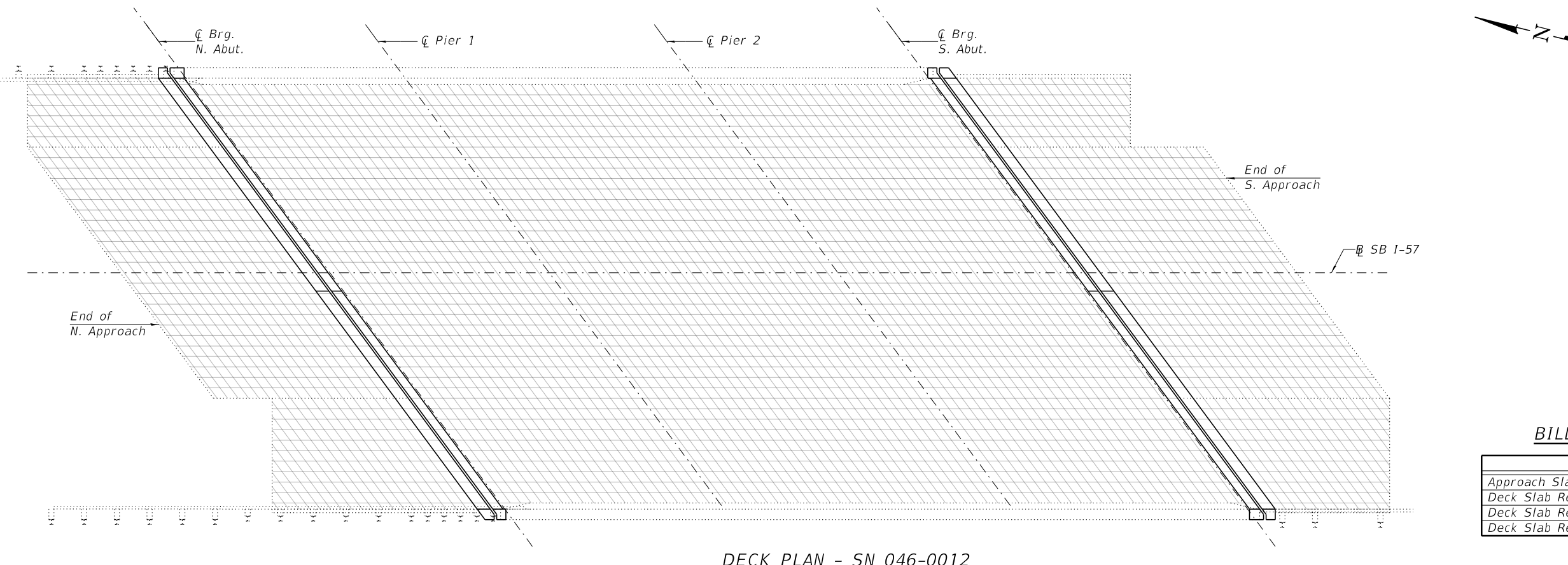
SHEET 3 OF 26 SHEETS

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	25
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

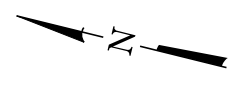
MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT\_Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-004-Deck Slab Repair\AS-Built.dgn



DECK PLAN - SN 046-0013



DECK PLAN - SN 046-0012



**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 -

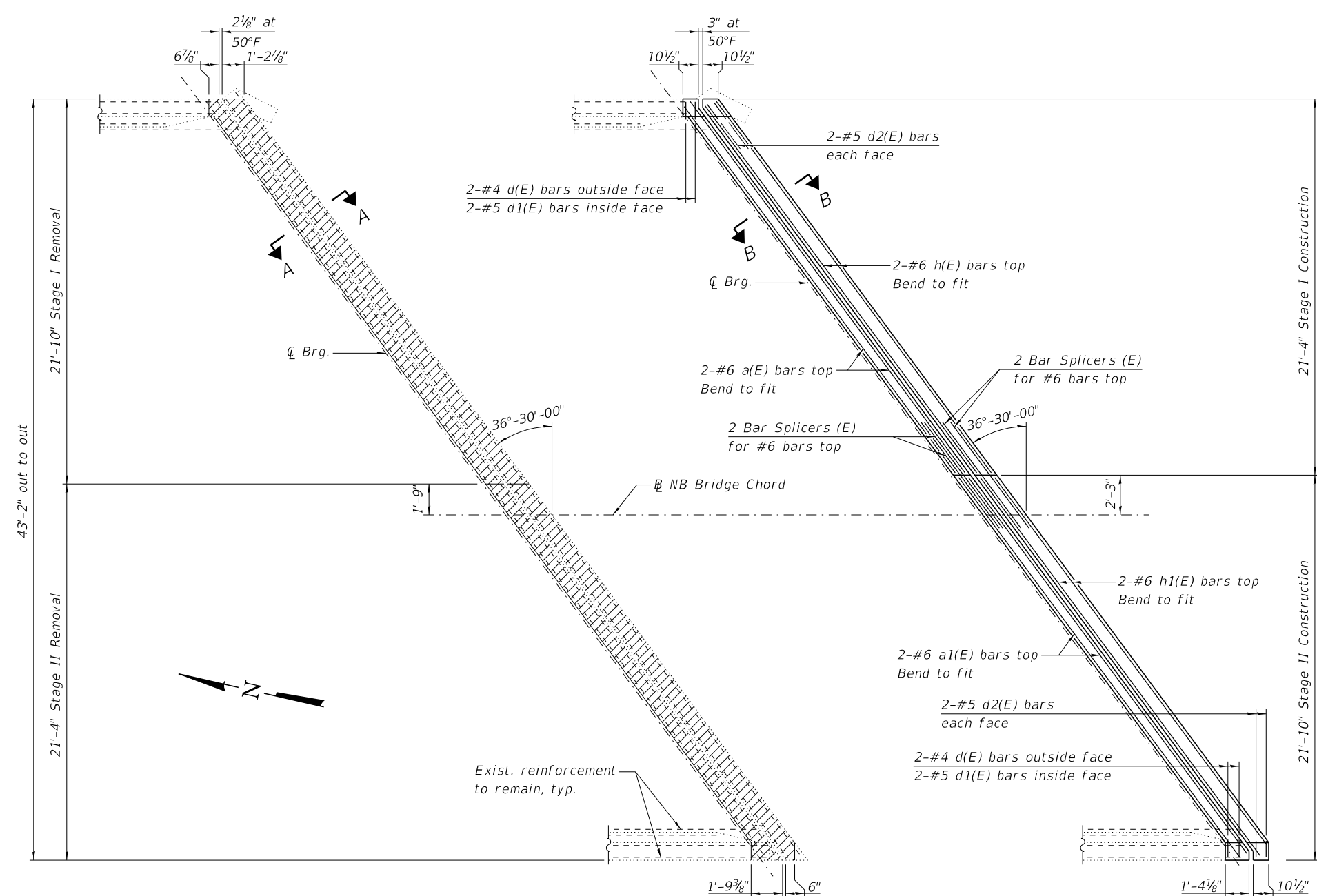
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**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	76	26
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE NAME: p:\w\1084848\INTEG\Illinois\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366E67-005-Joint Replacement Details.dgn



43'-2" out to out

21'-10" Stage I Removal

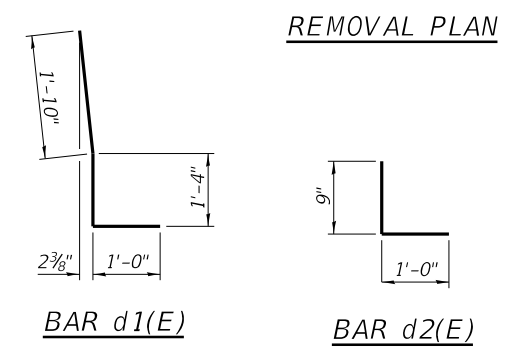
21'-4" Stage II Removal

21'-4" Stage I Construction

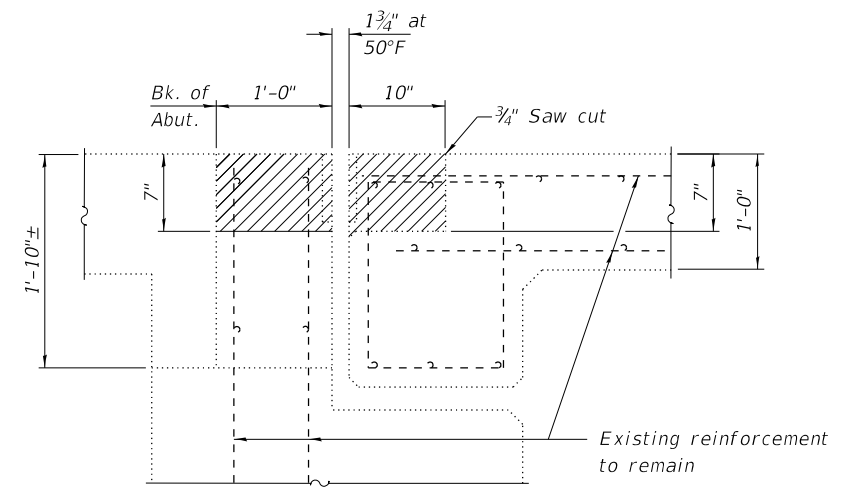
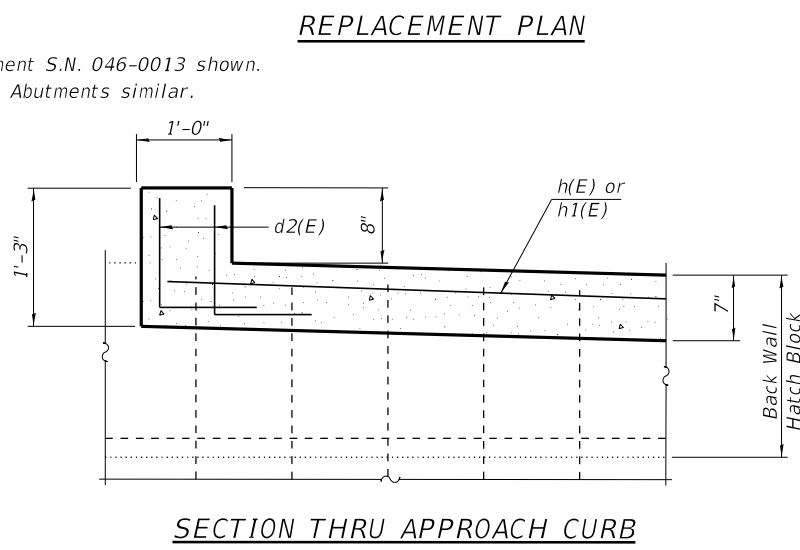
21'-10" Stage II Construction

**BILL OF MATERIAL**  
(4 locations)

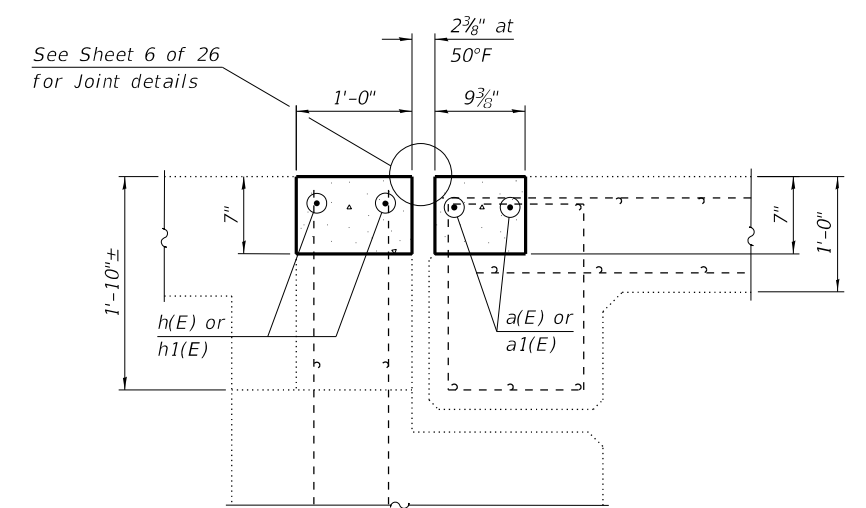
Bar	No.	Size	Length	Shape
a(E)	8	#6	26'-1"	—
a1(E)	8	#6	26'-9"	—
d(E)	16	#4	3'-0"	—
d1(E)	16	#5	4'-2"	L
d2(E)	32	#5	1'-9"	L
h(E)	8	#6	26'-1"	—
h1(E)	8	#6	26'-9"	—
Concrete Removal		Cu. Yd.	9.2	
Concrete Superstructure		Cu. Yd.	9.4	
Reinforcement Bars, Epoxy Coated		Pound	1,440	



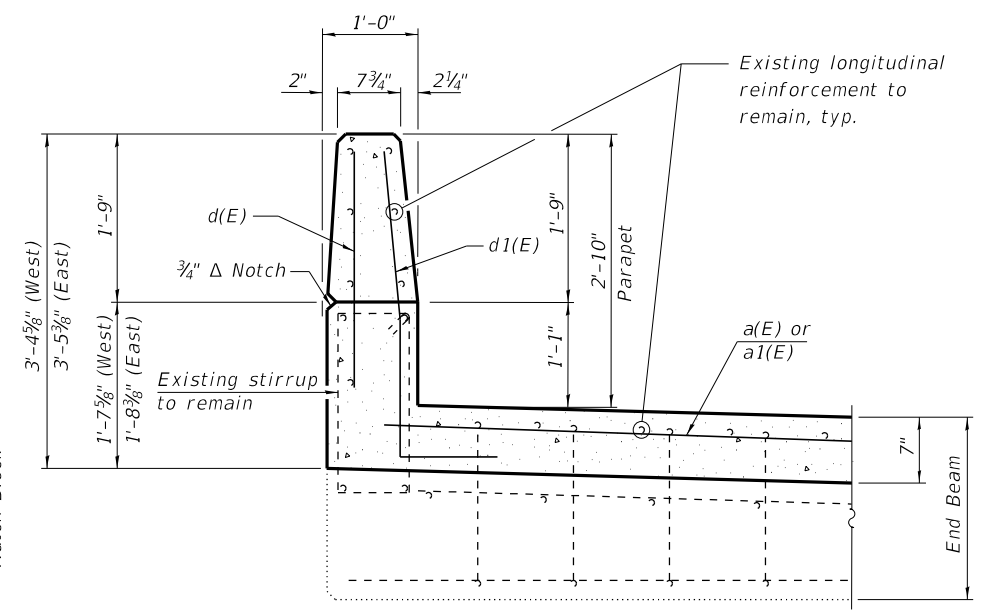
Notes:  
 Hatched areas indicate removal.  
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.



**SECTION A-A**  
(Dimensions at right angles)



**SECTION B-B**  
(Dimensions at right angles)

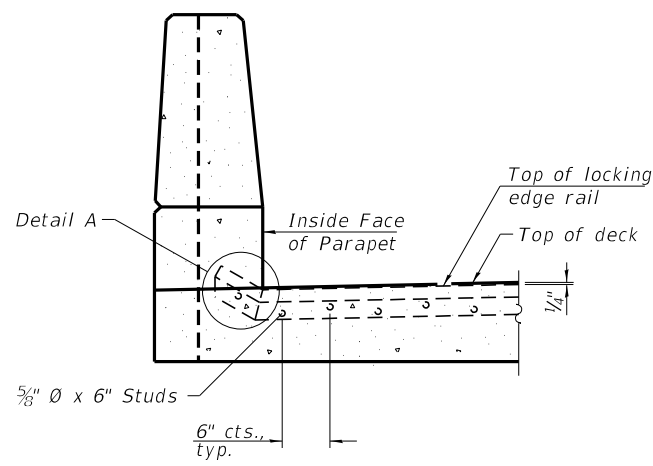


**SECTION THRU PARAPET**

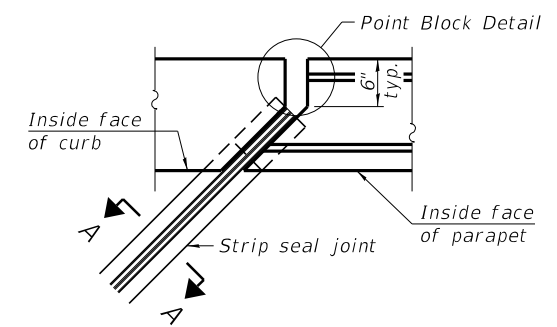


**SECTION THRU APPROACH CURB**

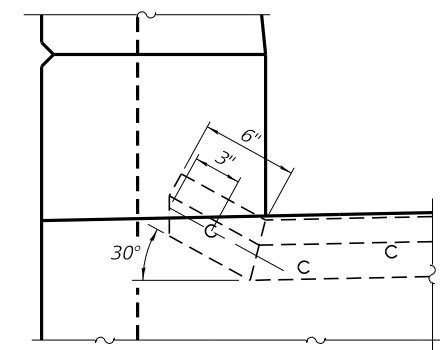
MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADSheets\0366E67-006-Strip Seal\_base\_sheet.dgn



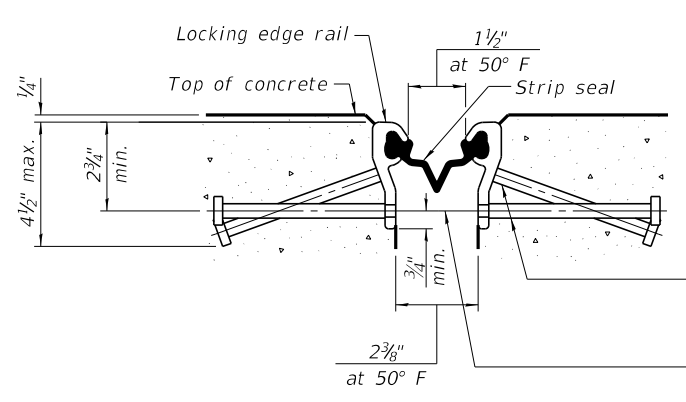
**ELEVATION AT PARAPET**



**PLAN AT PARAPET**



**DETAIL A**

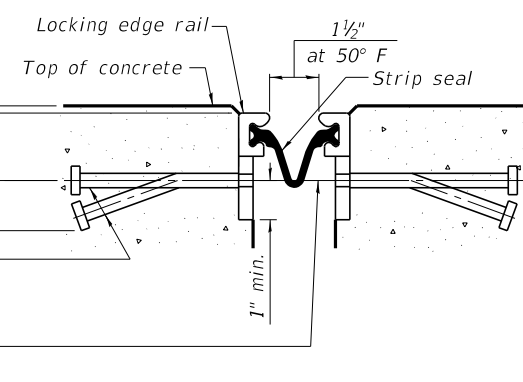


**SHOWING ROLLED RAIL JOINT**

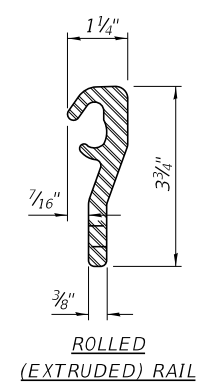
\*  $\frac{3}{8}$ "  $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)  
 $\frac{3}{8}$ "  $\phi$  threaded rods in  $\frac{7}{16}$ "  $\phi$  holes at  $\pm 4$ "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

**SECTION A-A**

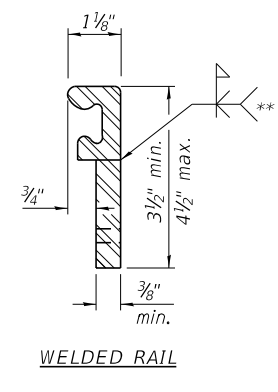
\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



**SHOWING WELDED RAIL JOINT**



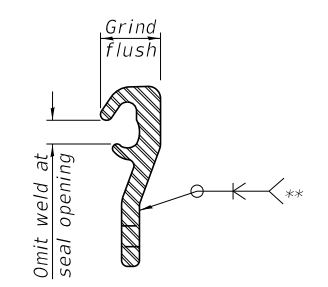
**ROLLED (EXTRUDED) RAIL**



**WELDED RAIL**

**LOCKING EDGE RAILS**

\*\* Back gouge not required if complete joint penetration is verified by mock-up.



**LOCKING EDGE RAIL SPLICE**

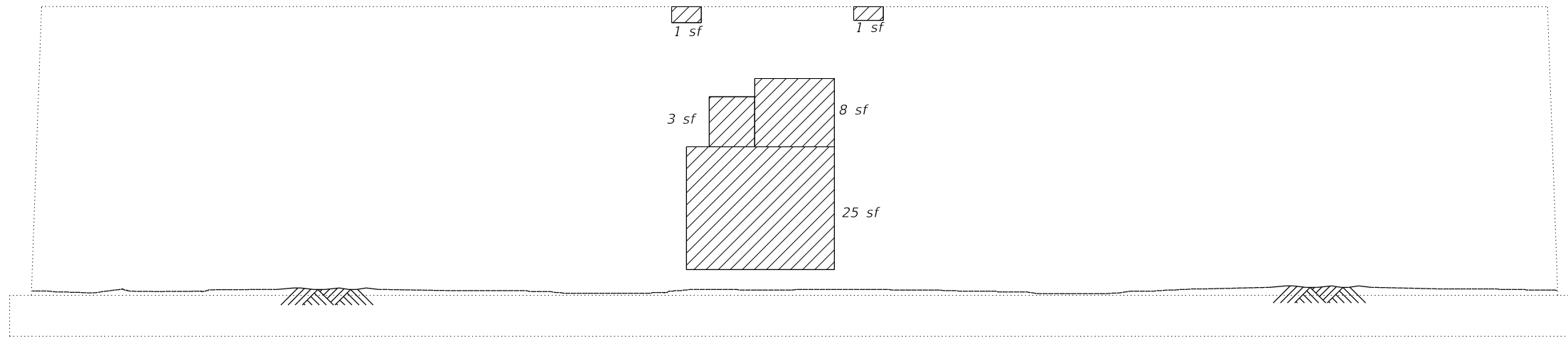
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

**BILL OF MATERIAL**

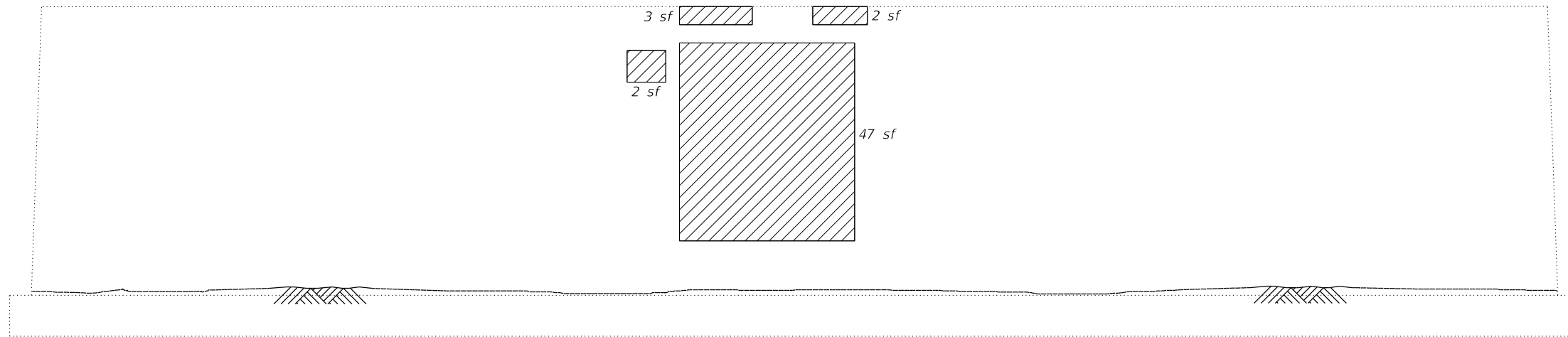
Item	Unit	Total
Preformed Joint Strip Seal	Foot	209.0

Notes:  
 The strip seal shall be made continuous and shall have a minimum thickness of  $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.  
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the  $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.  
 The manufacturer's recommended installation methods shall be followed.  
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.  
 The Maximum space between locking edge rail segments shall be  $\frac{3}{16}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.  
 Cost of parapet anchorage studs included with Preformed Joint Strip Seal.  
 34" F-shape barrier shown, 42" F-shape similar as noted.  
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

MODEL: Default  
 FILE NAME: p:\w\11084EBID\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.

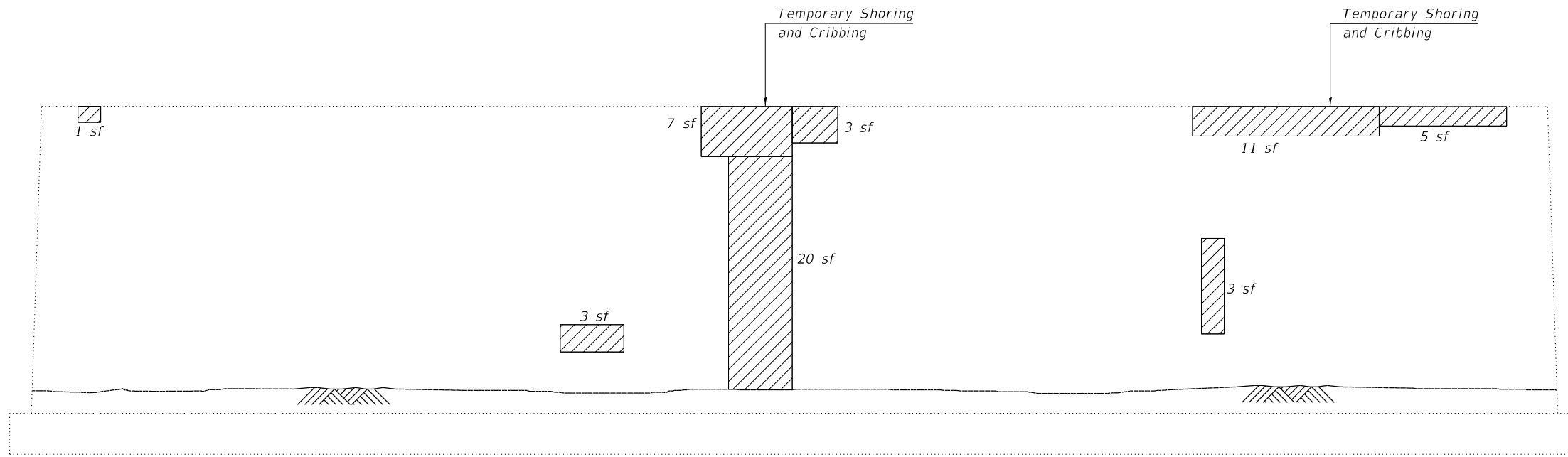
**BILL OF MATERIAL**

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 -

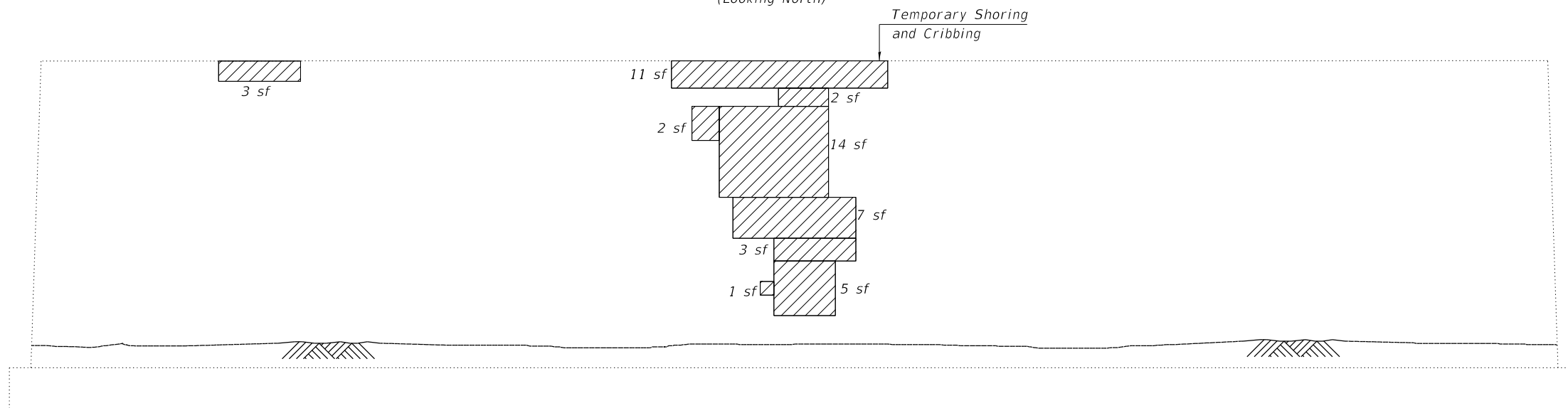
F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	29
			CONTRACT NO. 66E67	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\ilinois.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 -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

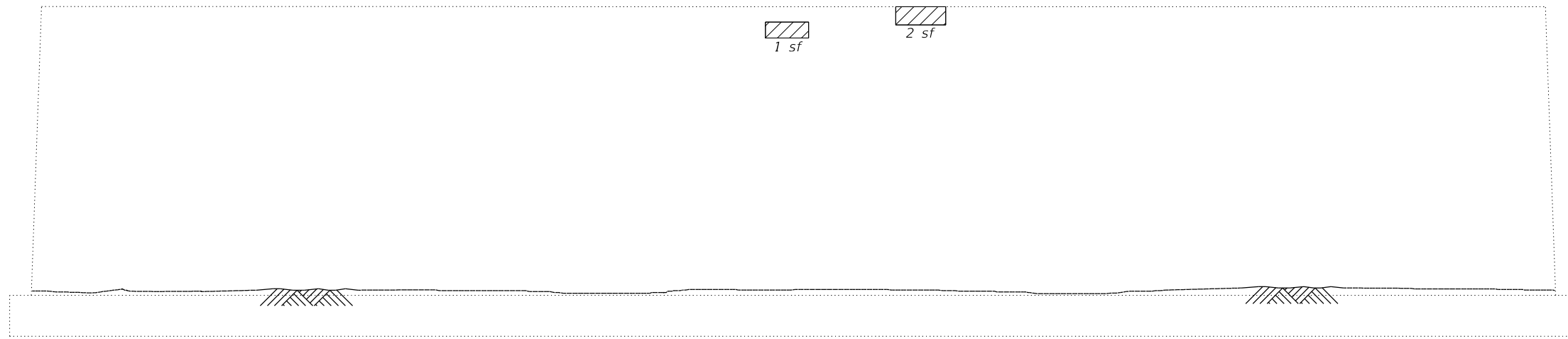
SUBSTRUCTURE REPAIR DETAILS (PIER 2)  
 STRUCTURE NO. 046-0012

SHEET 8 OF 26 SHEETS

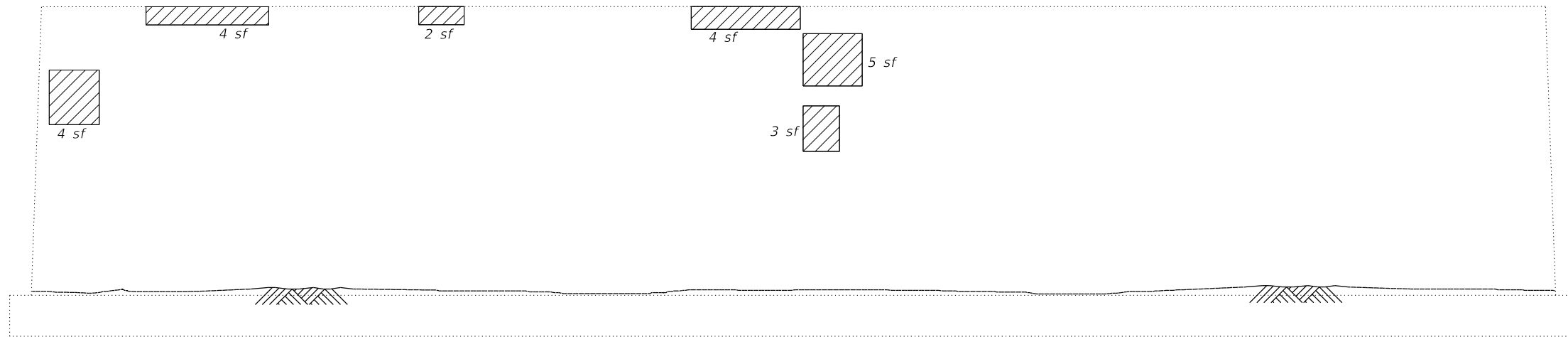
F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	30
CONTRACT NO. 66E67				

ILLINOIS FED. AID PROJECT

MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT 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



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

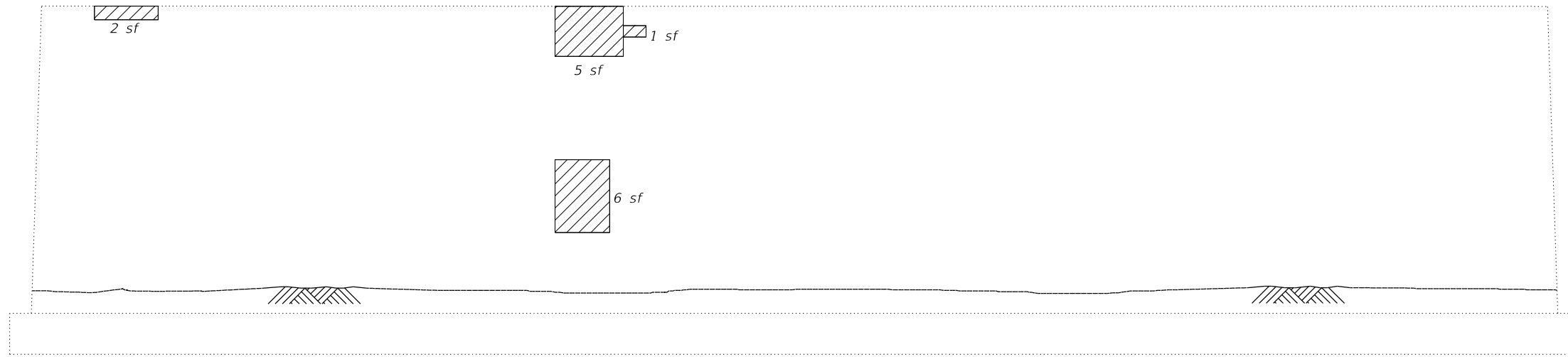
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

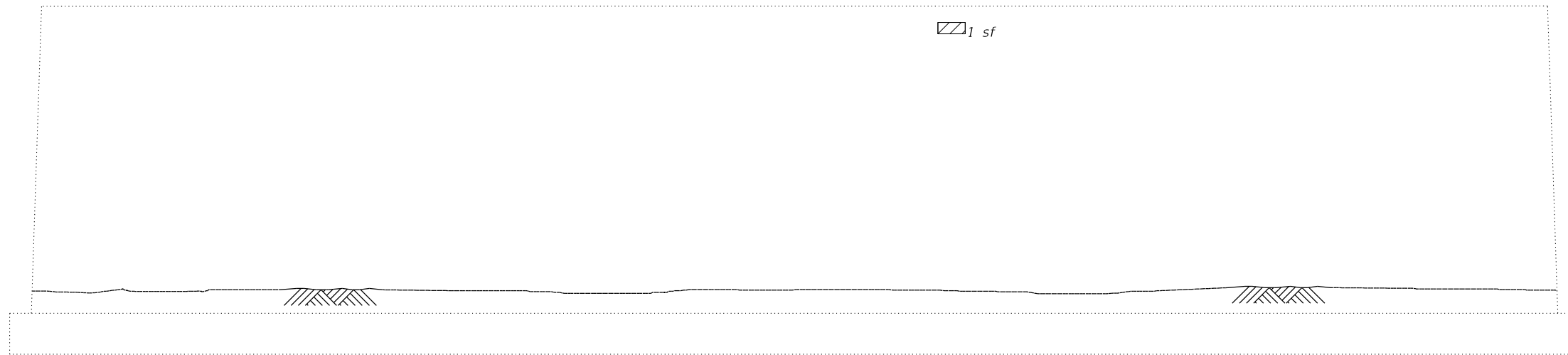
SHEET 9 OF 26 SHEETS

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: p:\w\11084EBID\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**

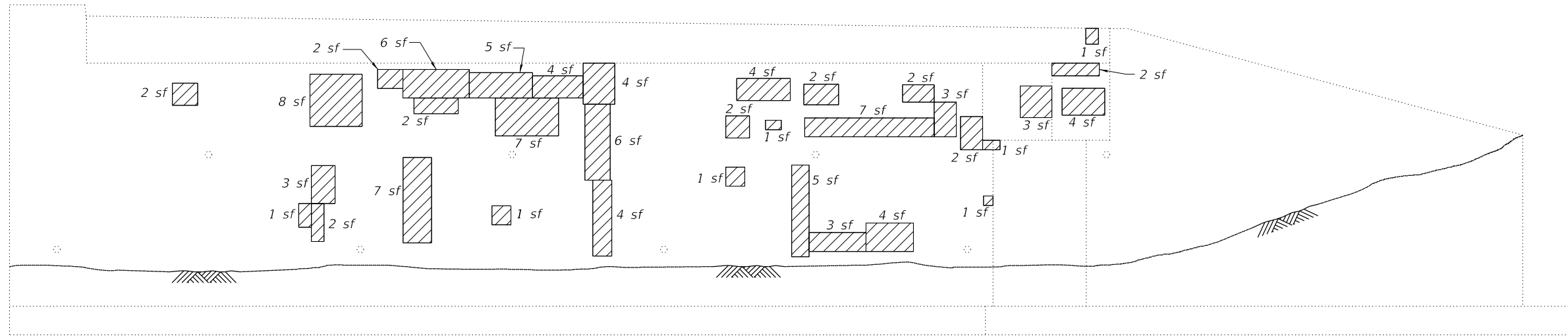
ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	15

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

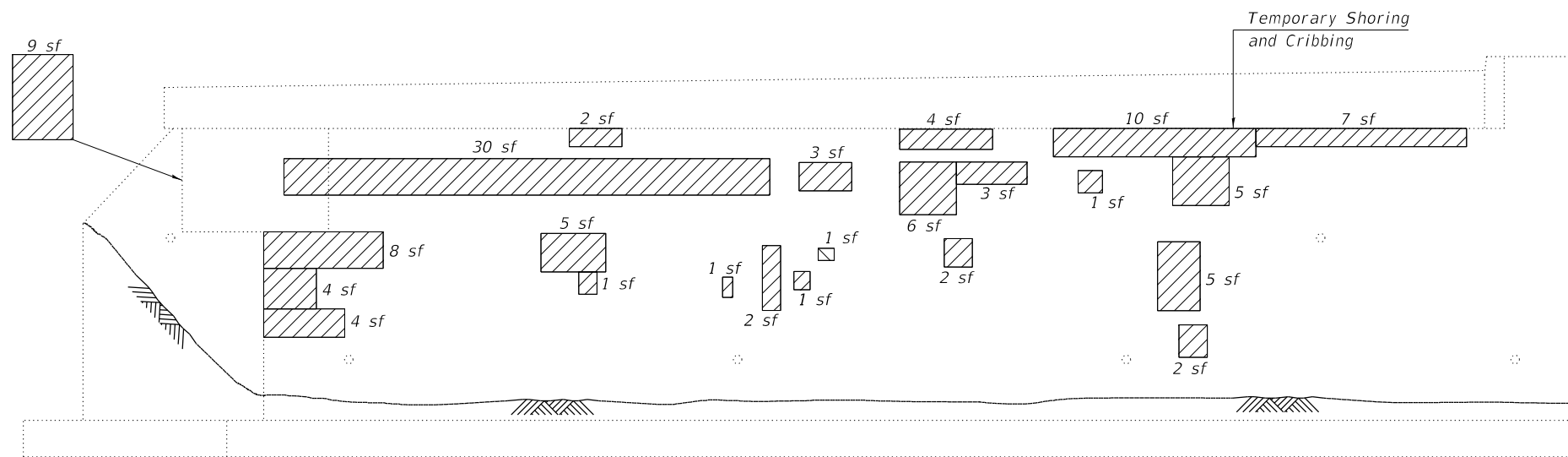
F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	32
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT\_Offices\District\_3\Projects\EP03204\CADData\CADSheets\366E67-011-Substructure\_Repair.dgn



**ELEVATION**  
 (South Abutment)



**ELEVATION**  
 (North 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.

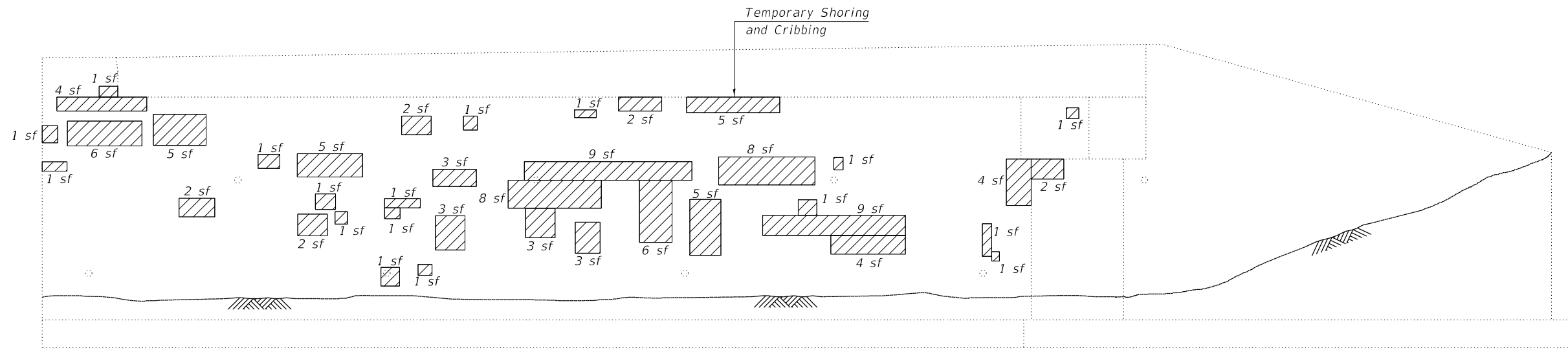
**BEARING REACTION TABLE**

Dead Load	10.7 kips
Live Load + Impact	29.3 kips

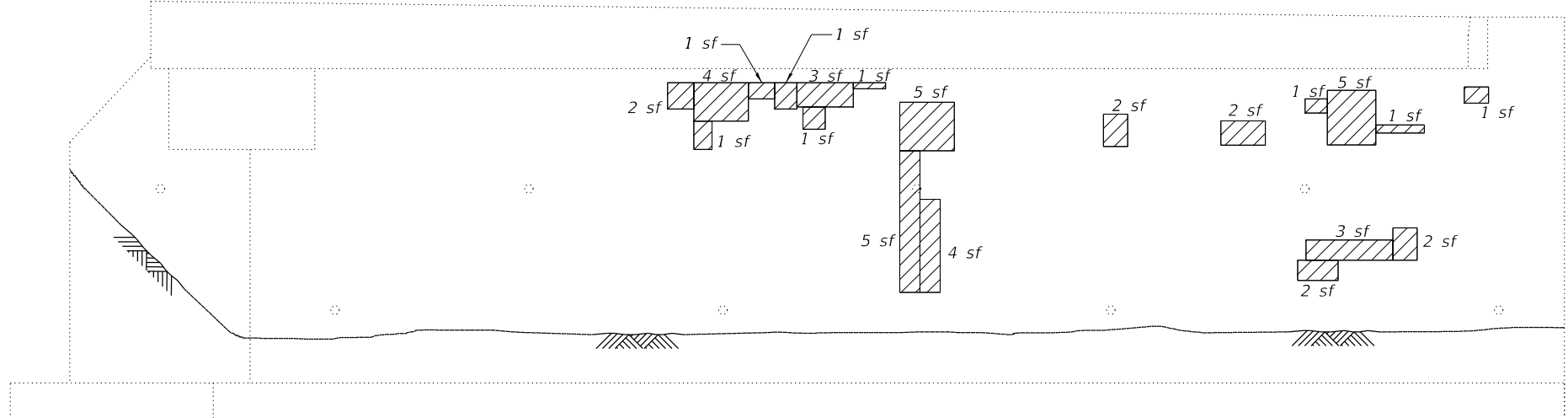
**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	228
Temporary Shoring and Cribbing	Each	1

MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG\Illinois.gov\PW\DOT\Documents\DOT\_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.

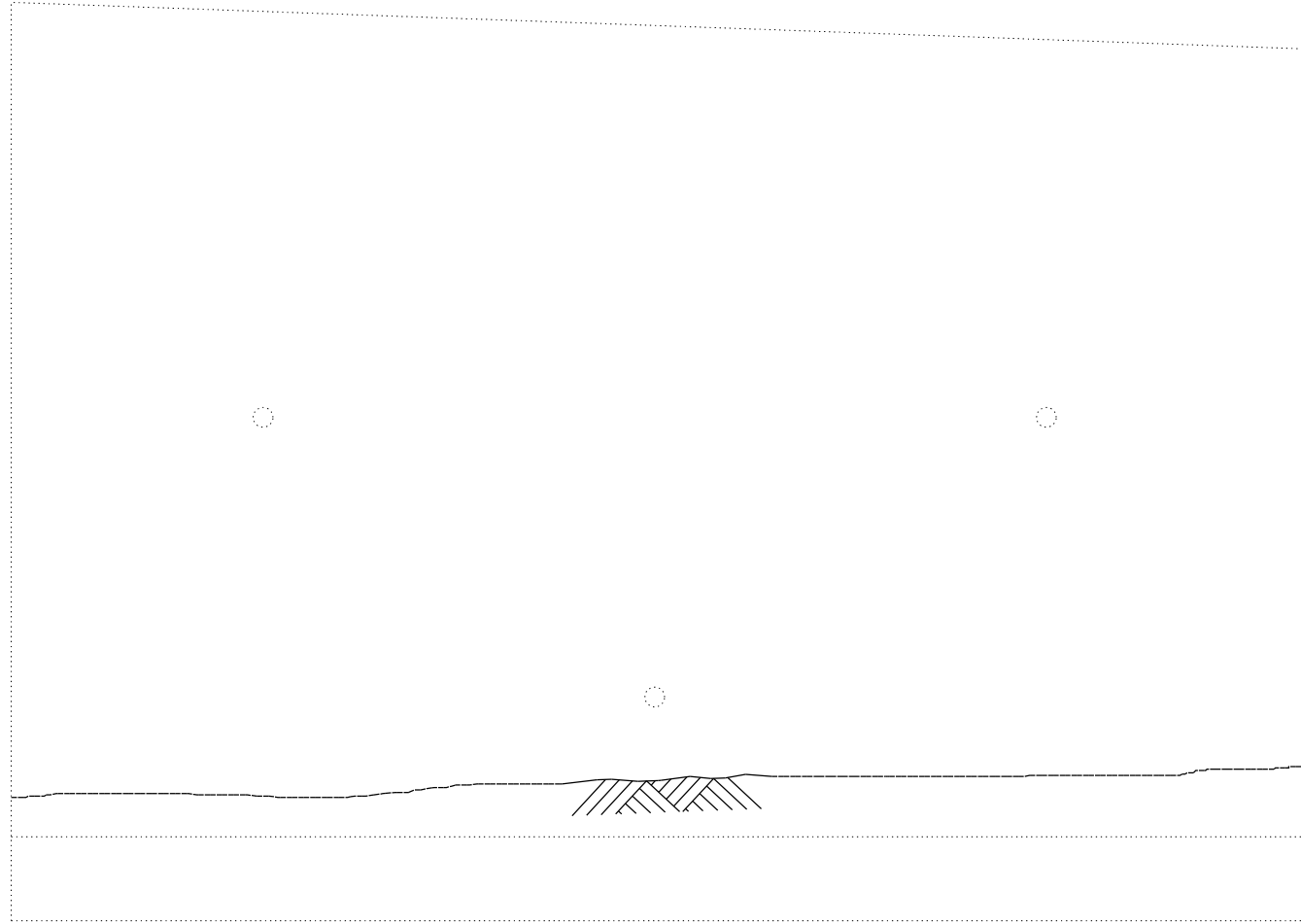
**BEARING REACTION TABLE**

Dead Load	10.7 kips
Live Load + Impact	29.3 kips

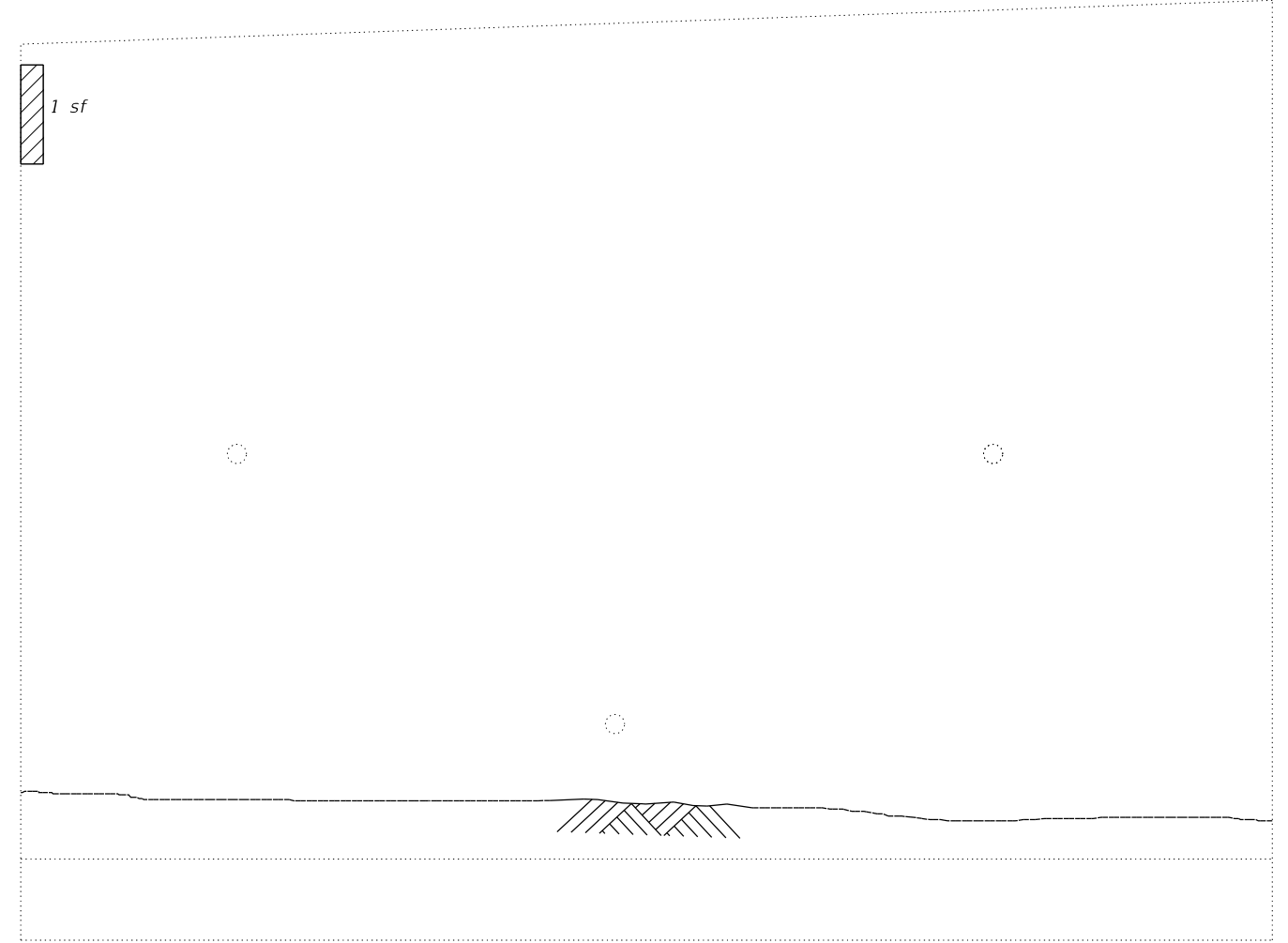
**BILL OF MATERIAL**

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: p:\w\11084EBID\INTEG.jil\mids.gov\p\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

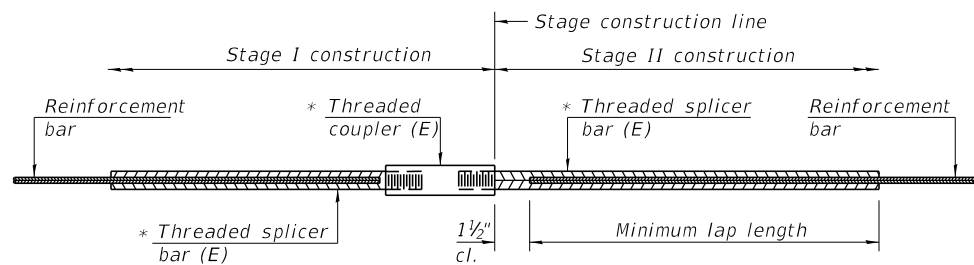
<b>LE</b> LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = _____	DESIGNED - MTH _____	REVISED - _____
		CHECKED - VPT _____	REVISED - _____
	PLOT SCALE = _____	DRAWN - DAS _____	REVISED - _____
	PLOT DATE = _____	CHECKED - MTH _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR DETAILS (RETAINING WALLS)  
 STRUCTURE NOS. 046-0012 & 046-0013**

SHEET 13 OF 26 SHEETS

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	

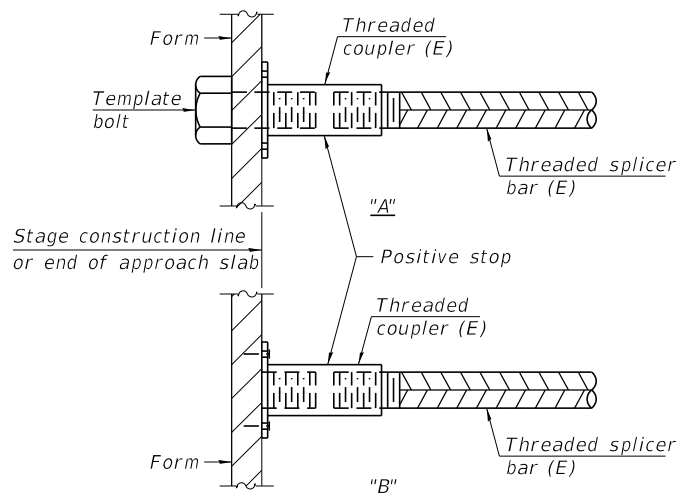


**STANDARD BAR SPLICER ASSEMBLY**

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

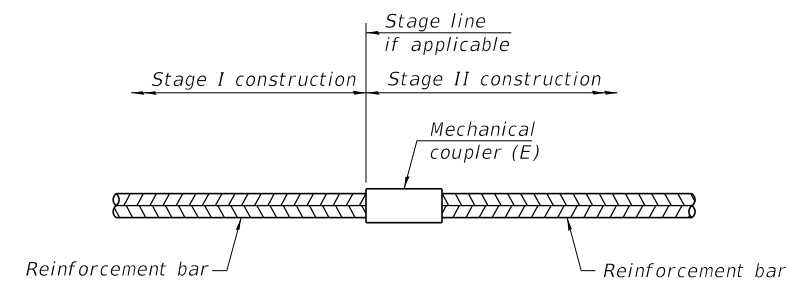
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

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



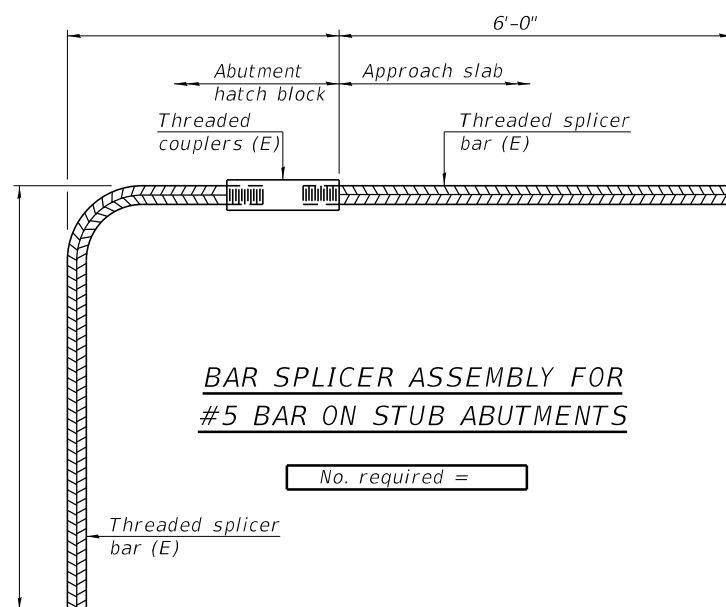
**INSTALLATION AND SETTING METHODS**

"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**

No. required =

**NOTES**

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

MODEL: Default  
 FILE NAME: p:\w\11084EBID\INTEG.jil\mof.gov\PW\DOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADSheets\366E67-014-Bar\_Details.dgn

BSD-1

2-17-2017



USER NAME =	DESIGNED - MTH	REVISED -
CHECKED - VPT	REVISIONS -	
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. 139-82  
 Existing deck to be replaced and widened on new bearings as required. Widen and repair existing substructure. Utilize stage 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

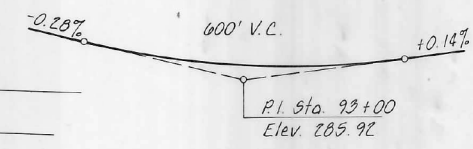
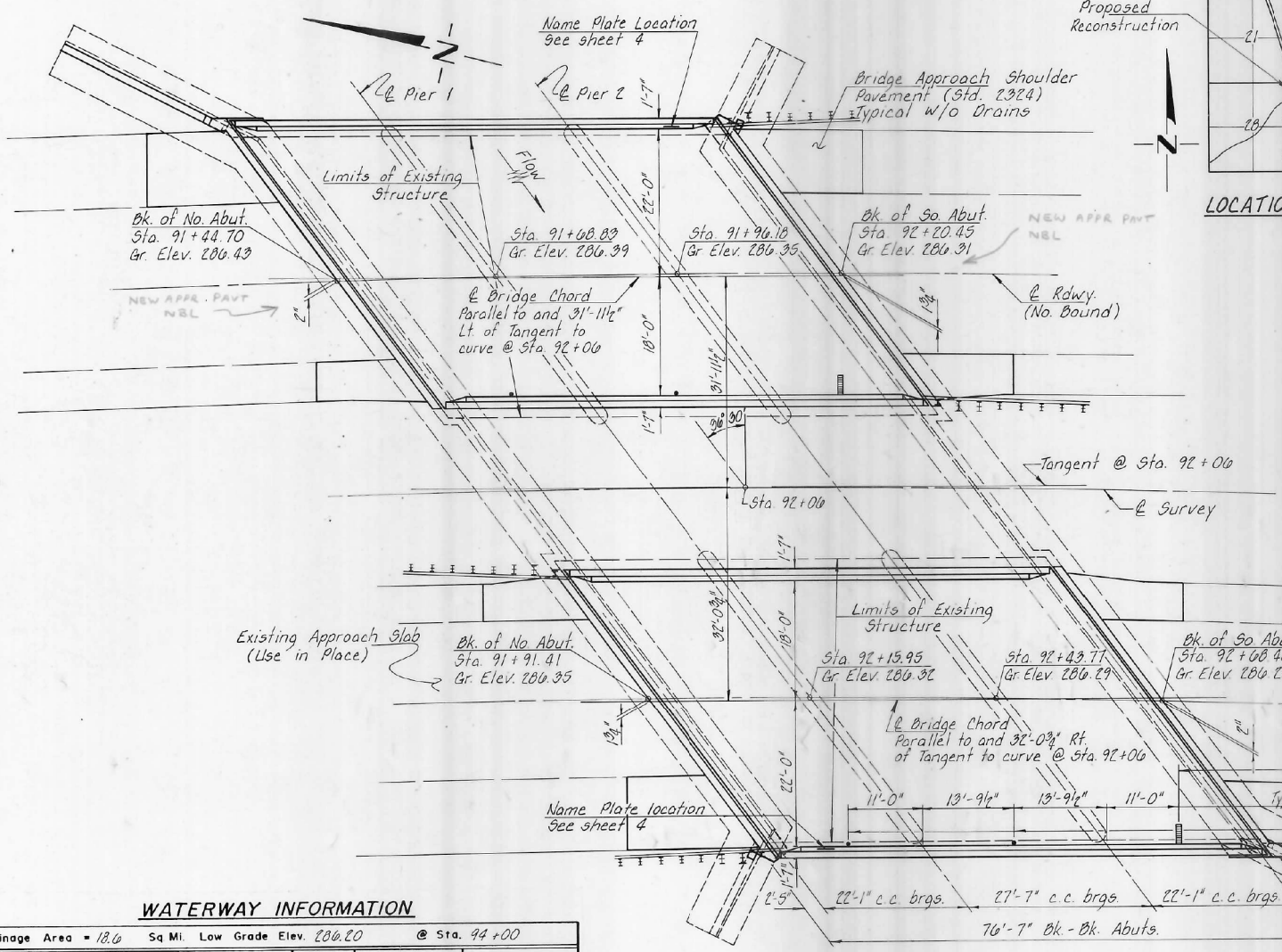
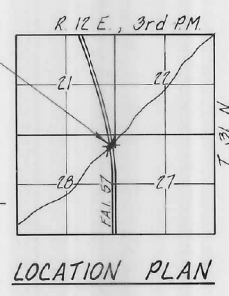
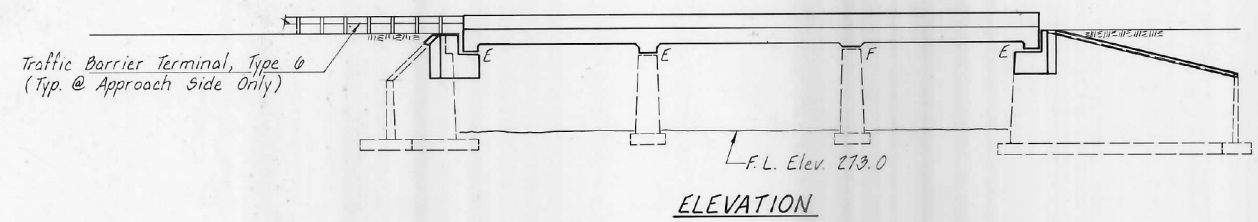
STATION 92+06  
 REBUILT 198 BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 57 SEC. 139 BR-2  
 F.A. PROJ. IR-57-6(150)  
 LOADING H920 & ALT.  
 STR. NO. 046-0012

**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.



**FIELD CURVE DATA**

P.I. Sta.	93+00
Elev.	265.92
$\Delta$	14° 27' 44"
D	0° 56' 47"
R	6,054.0'
T	768.14'
L	1,528.11'
E	48.54'
SE	0.021/fh

**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.	Prop.	Exist.	Prop.
Design	50	1,133	343	343	280.5	0.10	0.10	280.60	280.60
Base	100	1,291	371	371	281.1	0.12	0.12	281.22	281.22
Overlapping									
Max. Calc.	500	1,444		380	281.3		0.13		281.43

**DESIGN STRESSES**

$f'_c = 3,500$  psi.  
 $f_y = 60,000$  psi. (Reinforcement)  
 LOAD FACTOR DESIGN  
 LOADING H520-44 & Alt. Military Loading  
 Design Specifications: 1983 AASHTO, 1984-8 Interims  
 25% of 150 sq. ft. included in dead load for future wearing surface.  
 $f_y = 36,000$  psi.

**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



APPROVED  
 James J. Payson

James K. Klein  
 Illinois Structural No. 4624

**SOLDIER CREEK 7/11**

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

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

ILLINOIS FED. AID PROJECT

MODEL: Default  
 FILE NAME: p:\w\l084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-015-Existing\_Plans.dgn  
 2/1/2019 2:37:36 PM

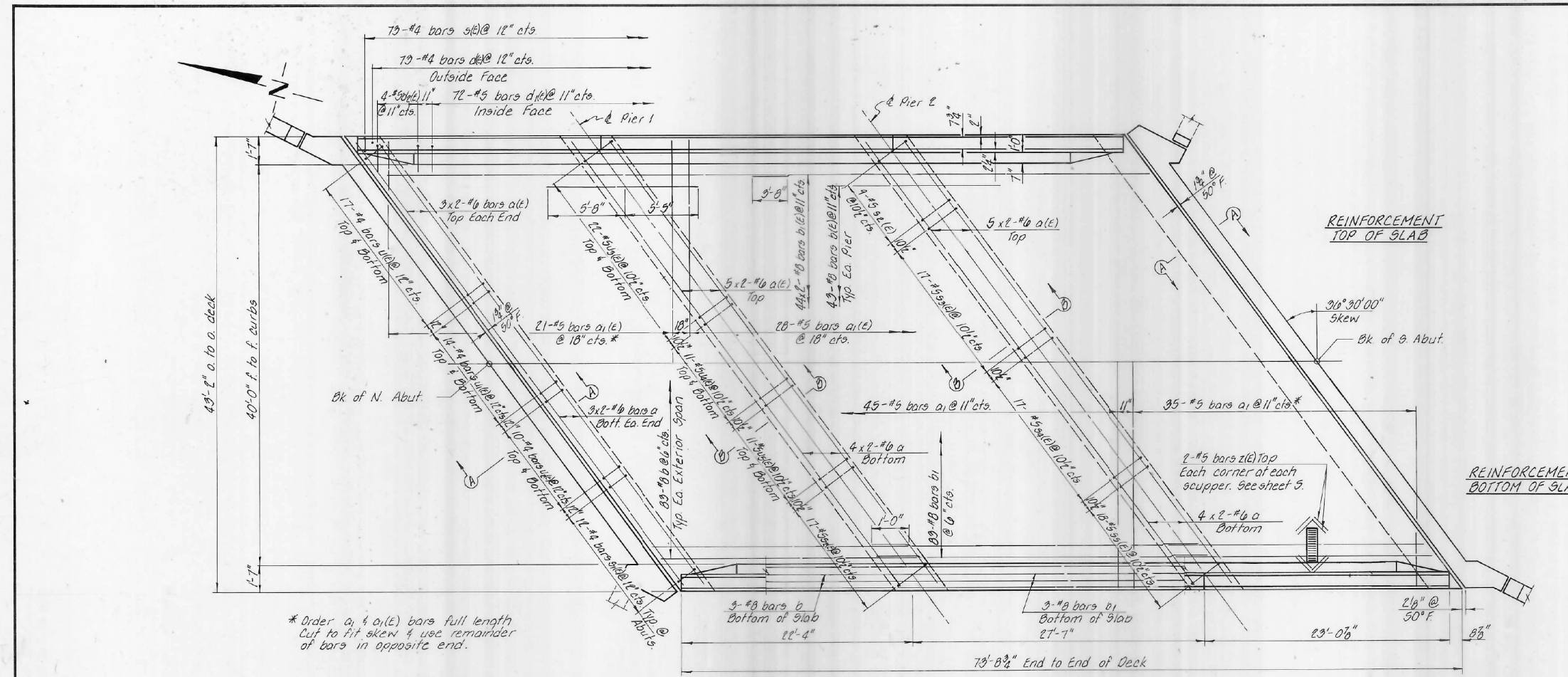
**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

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

SHEET 15 OF 26 SHEETS

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
FA.I. 57	139 BR-2	KANKAKEE	82	19
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

Sheet 3 of 11



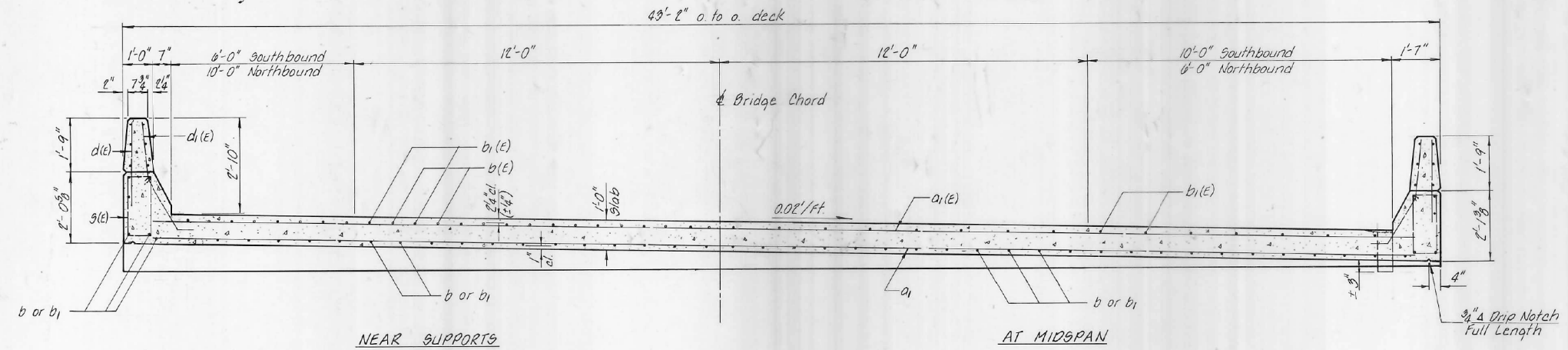
Notes:  
 For Sections A-A and B-B see sheet 4.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Bars designated thus 1x4-#5 etc., indicates 1 line of bars with 4 lengths per line.

MIN. BAR LAPS

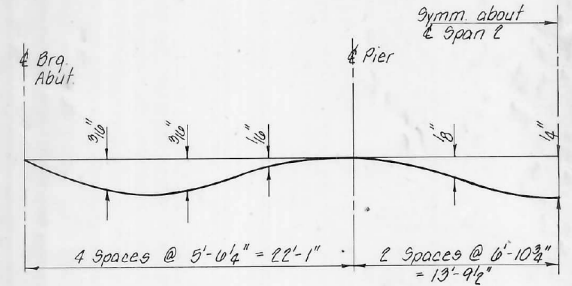
#4	1'-9" (Shear)
#5	2'-0" (Shear)
#6	2'-1"
#8	3'-8"
#9	4'-8"

\* Order a1, 4, a1(e) bars full length cut to fit skew & use remainder of bars in opposite end.

PLAN



CROSS SECTION  
LOOKING SOUTH



DEAD LOAD DEFLECTION DIAGRAM

**SUPERSTRUCTURE**  
 F.A.I. ROUTE 57  
 SECTION 139 BR-2  
 KANKAKEE COUNTY  
 STATION 92+00

**COLLINS AND RICE**  
 CONSULTING ENGINEERS

DESIGNED Z.B.U. CHECKED J.K.K.  
 DRAWN P.G. DATE 2-20-80 NO. 2006

SOLDIER CREEK 3/11

MODEL: Default  
 FILE NAME: p:\w\1084848\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADSheets\0366E67-016-Existing\_Plans.dgn  
 2/17/2019 2:38:40 PM

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

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

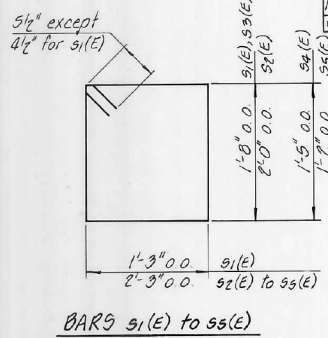
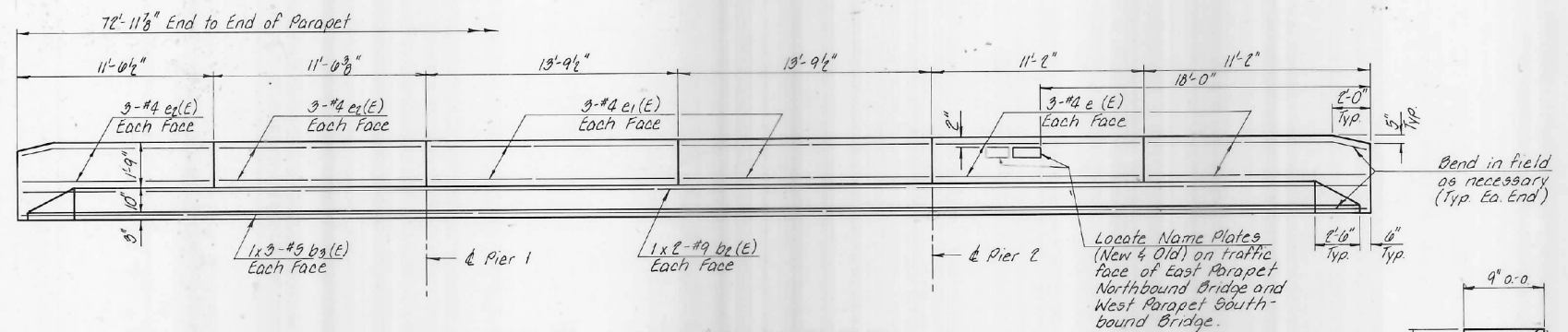
SHEET 16 OF 26 SHEETS

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

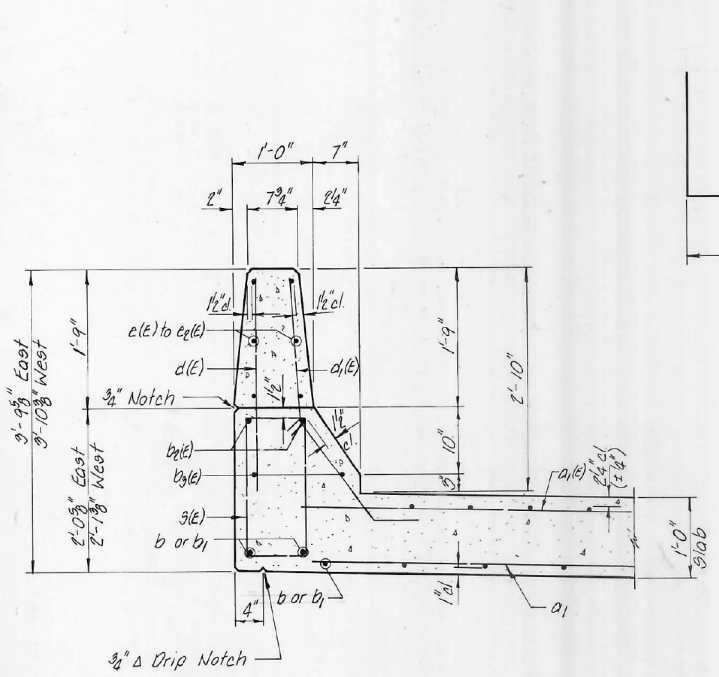
ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
FAI 57	139 BR-2	KANKAKEE	82	20
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

Sheet 4 of 11



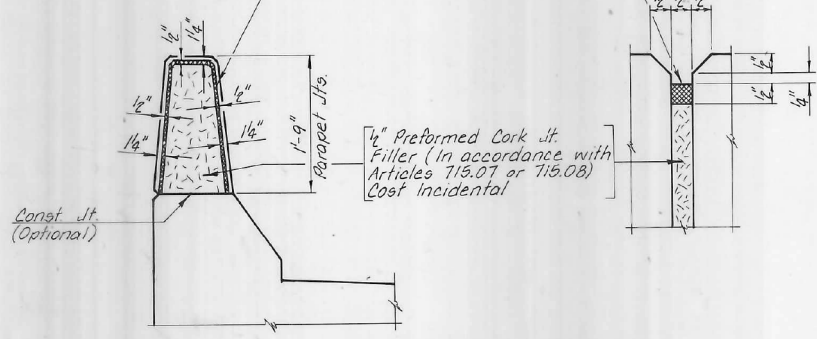
MIN. BAR LAPS  
#5 --- 1'-9"  
#9 --- 4'-8"

**INSIDE ELEVATION OF PARAPET**



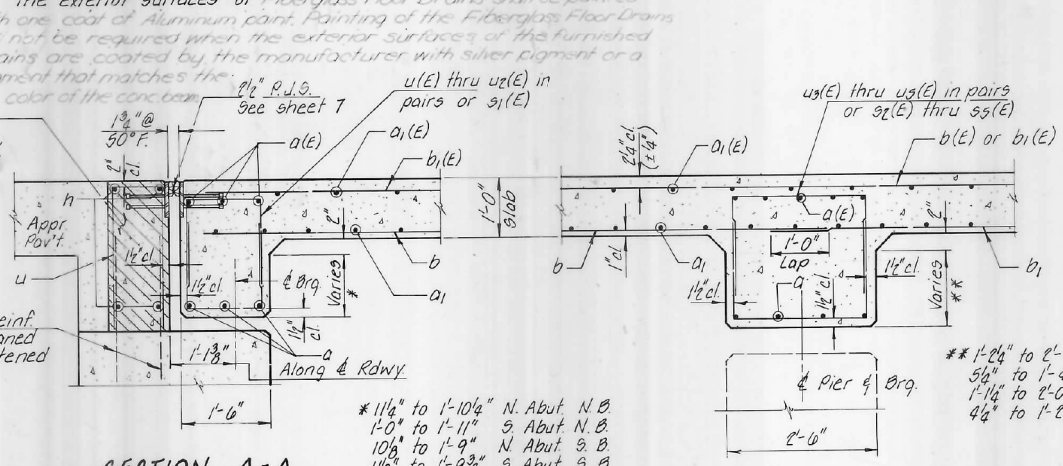
**SECTION THRU PARAPET**

Two component non-staining gray sealing compound with polysulfide liquid polymer gun-grade with primer.



**PARAPET JOINT DETAILS**

Notes:  
Fiberglass pipe shall conform to ASTM: D2990, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum. The surface of the fiberglass pipe shall be free of bond inhibiting agents.  
The exterior surfaces of Fiberglass Floor Drains shall be painted with a coat of Aluminum paint. Painting of the Fiberglass Floor Drains will not be required when the exterior surfaces of the furnished drains are coated by the manufacturer with silver pigment or a pigment that matches the color of the concrete.



**SECTION A-A**

**SECTION B-B**

**SUPERSTRUCTURE BILL OF MATERIAL**

BAR	NO	SIZE	LENGTH	SHAPE
a	56	#6	27'-9"	
a(E)	64	#6	27'-9"	
a1	160	#5	42'-10"	
a1(E)	98	#5	42'-10"	
b	356	#8	23'-0"	
b(E)	172	#8	11'-1"	
b1	178	#8	28'-7"	
b1(E)	176	#8	28'-7"	
b2	16	#9	33'-9"	
b2(E)	24	#9	25'-5"	
d(E)	292	#4	5'-0"	
d1(E)	288	#5	3'-11"	
d2(E)	32	#5	4'-2"	
e(E)	48	#4	10'-10"	
e1(E)	48	#4	19'-0"	
e2(E)	48	#4	11'-3"	
g(E)	292	#4	5'-9"	
g1(E)	48	#4	6'-7"	
g2(E)	52	#5	4'-5"	
g3(E)	34	#5	8'-9"	
g4(E)	34	#9	8'-3"	
g5(E)	36	#5	7'-9"	
u(E)	68	#4	5'-9"	
u1(E)	56	#4	5'-3"	
u2(E)	40	#4	4'-11"	
u3(E)	44	#5	7'-3"	
u4(E)	22	#5	6'-11"	
u5(E)	22	#5	6'-9"	
z(E)	16	#5	2'-0"	
Protective Coat		Sq. Yd	804	
Reinforcement Bars (Epoxy Coated)		Pounds	40,060	
Class X Concrete		Cu. Yd	320.7	
Reinforcement Bars		Pounds	45,400	
Name Plates		Each	2	

Reinforcement bars designated (E) shall be epoxy coated.  
Bars designated thus 1x4-#5 etc. indicates 1 line of bars with 4 lengths per line.

Work this sheet with sheet 3.

**SUPERSTRUCTURE DETAILS**  
FAI ROUTE 57  
SECTION 139 BR-2  
KANKAKEE COUNTY  
STATION 92+00

COLLINS AND RICE  
CONSULTING ENGINEERS  
DESIGNED: Z.B.U. CHECKED: J.K.K.  
DRAWN: M.G. DATE: 2-20-80 NO. 2006

**SOLDIER CREEK 4/11**

MODEL: Default  
FILE NAME: p:\v\108484\BID\INTEG\illinois.gov\PWD\DOT\Documents\DOT Offices\District\_3\Projects\EP03204\CAD\Drawings\CAD\Drawings\Plans.dgn  
2/1/2019 2:39:47 PM

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

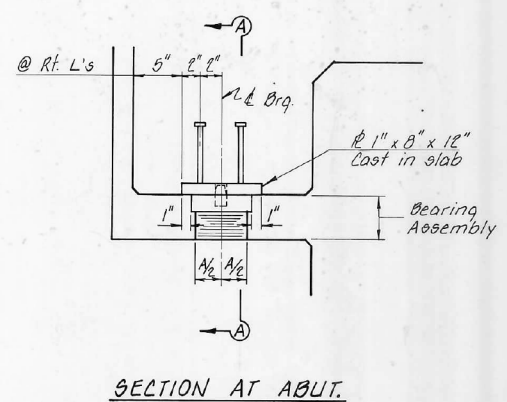
EXISTING PLANS (FOR INFORMATION ONLY)  
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 17 OF 26 SHEETS

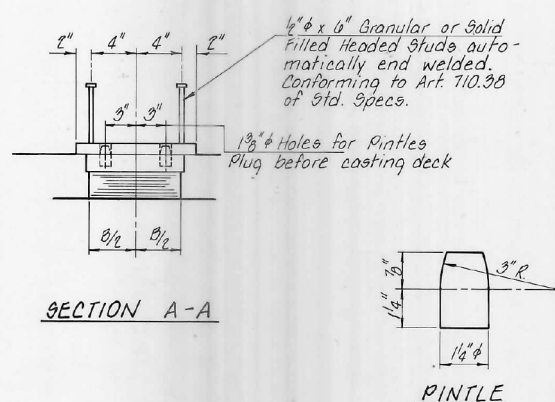
FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	39
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	62	23
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

Sheet 7 of 11

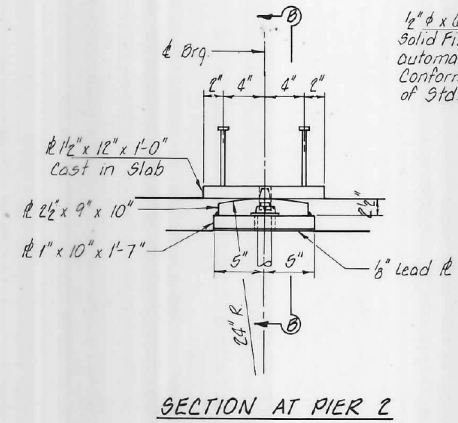


SECTION AT ABUT.

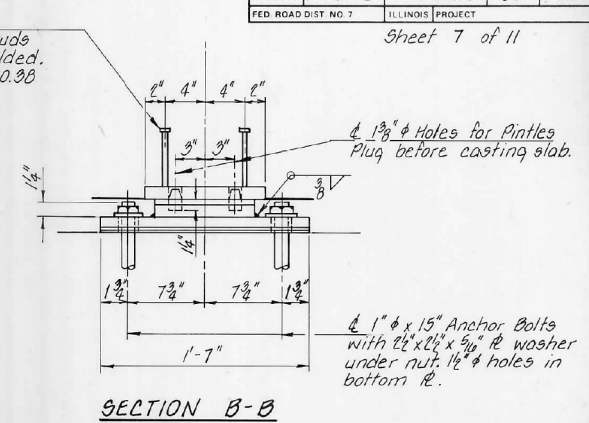


SECTION A-A

PINTLE

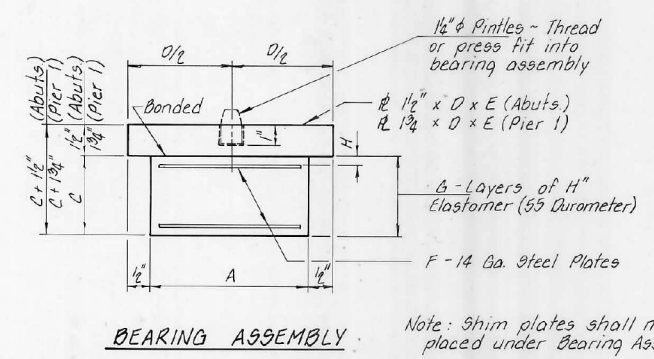


SECTION AT PIER 2



SECTION B-B

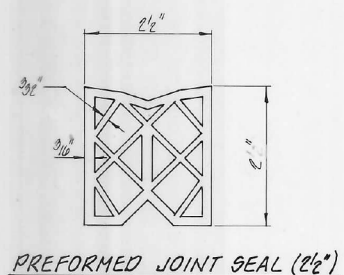
**FIXED BEARING**  
No Required



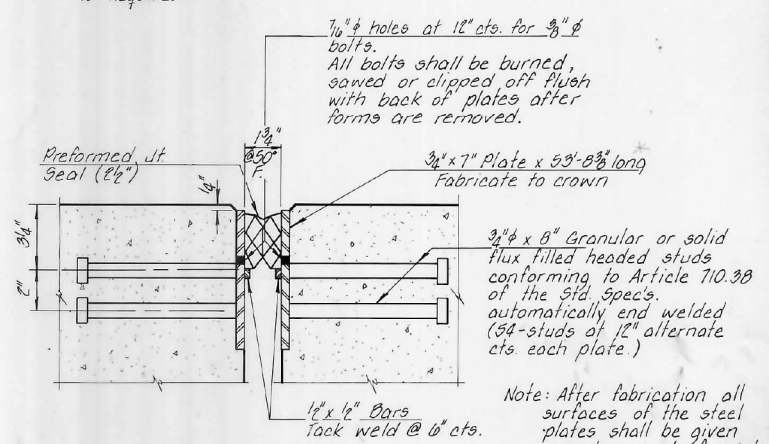
BEARING ASSEMBLY

LOCATION	A	B	C	D	E	F	G	H
N. Abut	5"	8"	17 1/2"	6"	10"	5"	6"	1 1/4"
Pier 1	"	1"	11 1/2"	7"	12"	2"	3"	5 1/8"
S. Abut	5"	8"	7 1/2"	6"	10"	2"	3"	1 1/4"

Quantity = 10, Each Location



PREFORMED JOINT SEAL (2 1/2")

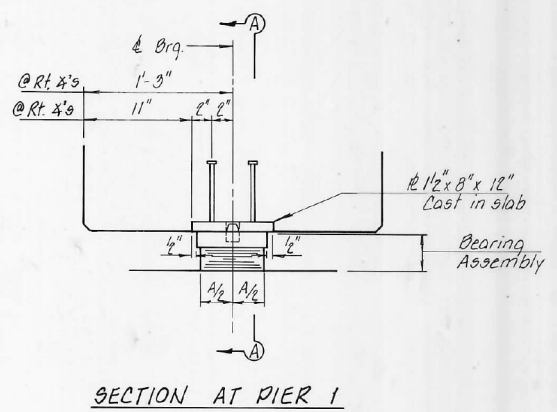


CROSS SECTION

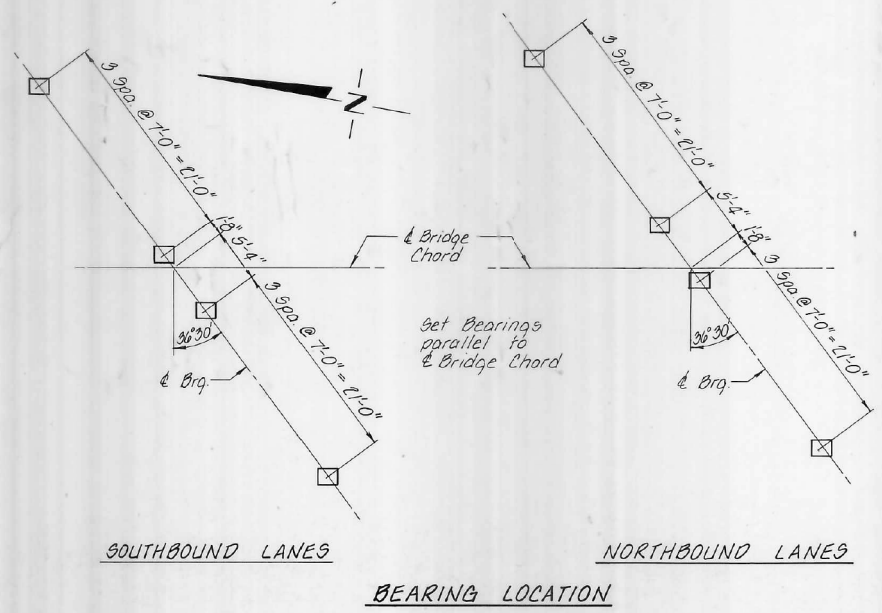
\* Furnish in segments of 20' maximum length. Maximum space between installed segments shall be 3/8". Seal space with Silicone Sealant suitable for structural steel.

**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



SECTION AT PIER 1



SOUTHBOUND LANES

NORTHBOUND LANES

BEARING LOCATION

**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. CHECKED J.K.K.  
DRAWN M.B. DATE 2-20-86 NO. 2000

SOLDIER CREEK 7/11

MODEL: Default  
FILE NAME: p:\v\1084848\BID\INTEG\ilnotes\gov\PW\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADSheets\0366E67-018-Existing Plans.dgn  
2/1/2019 2:43:15 PM

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

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

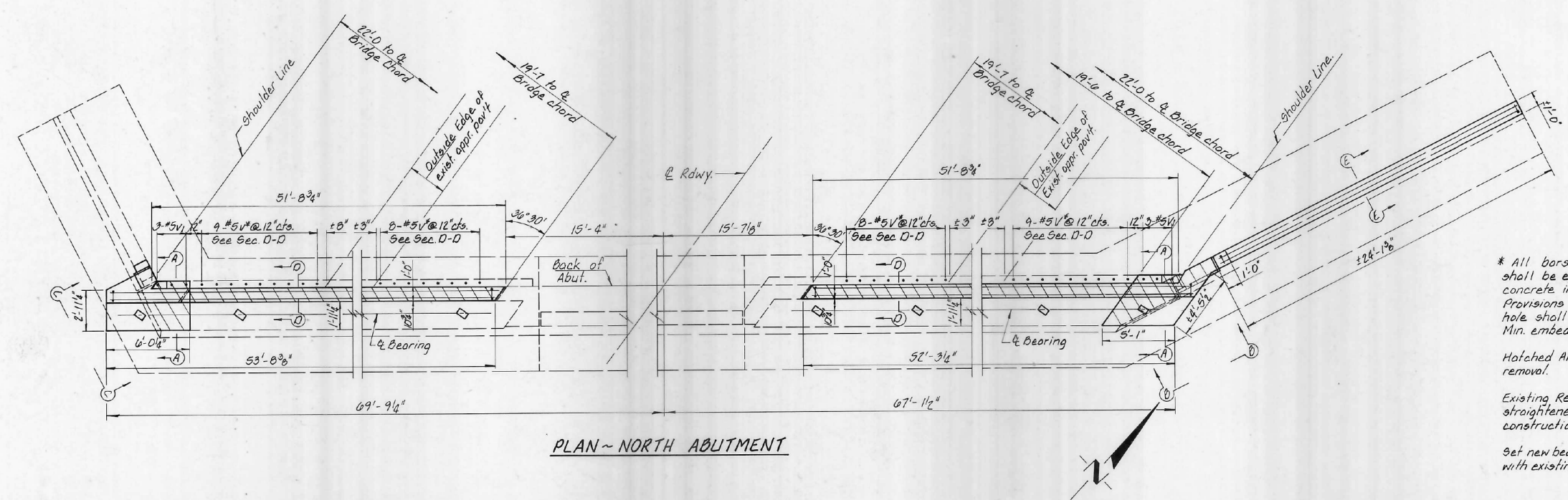
SHEET 18 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	40
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



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

Sheet 8 of 11



PLAN ~ NORTH ABUTMENT

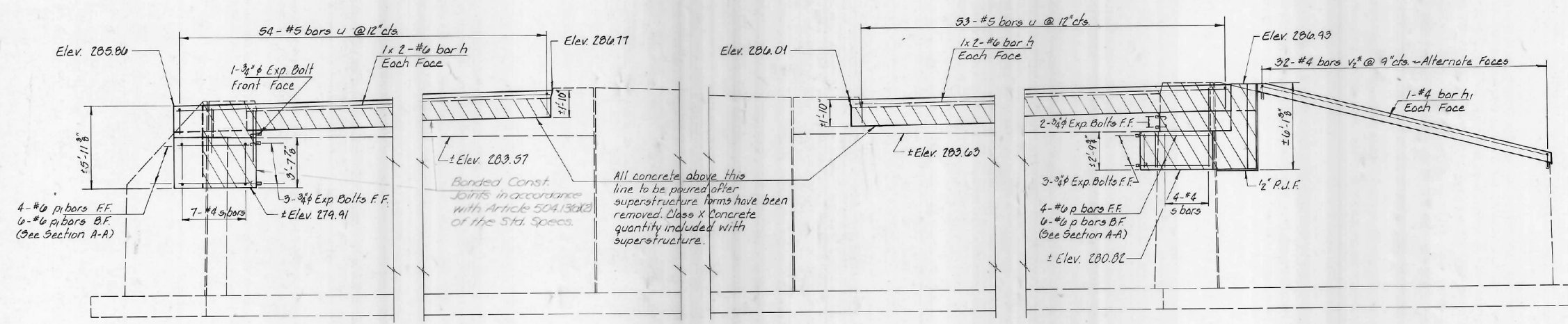
**NOTES**

\* 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)

Work this sheet with sheet 10.

<b>NORTH ABUTMENT</b>	
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: p:\w\1084848\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-019-Existing\_Plans.dgn

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

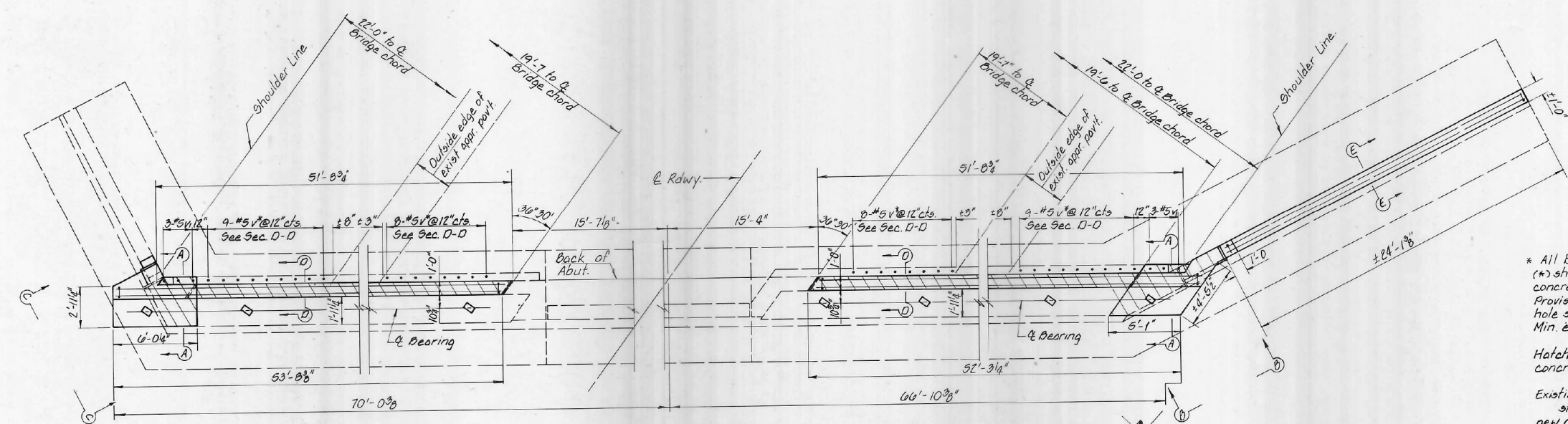
EXISTING PLANS (FOR INFORMATION ONLY)  
STRUCTURE NOS. 046-0012 & 046-0013

SHEET 19 OF 26 SHEETS

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139 BR-2	KANKAKEE	82	25
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

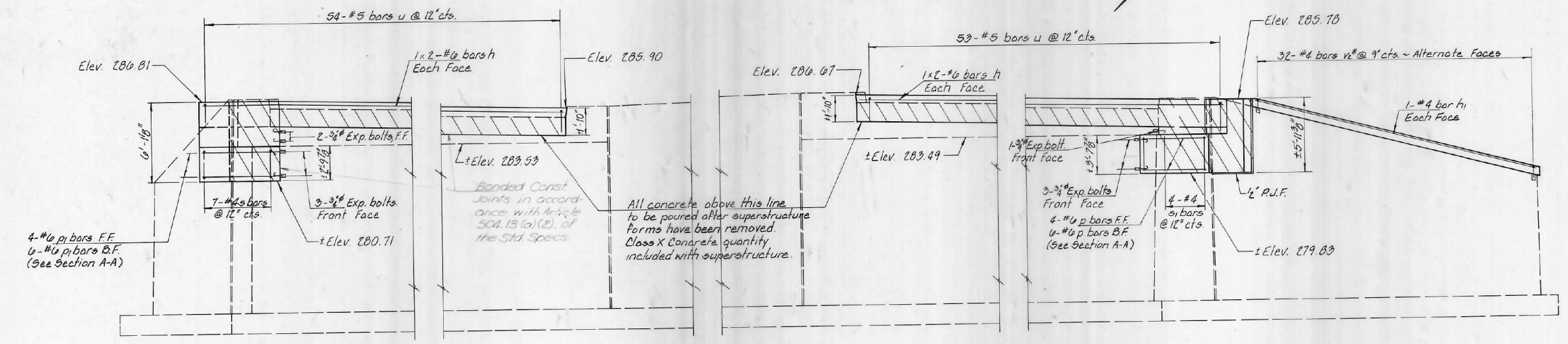
Sheet 9 of 11



PLAN ~ SOUTH ABUTMENT

**NOTES**

- \* All bars designated with an asterisk (\*) shall be epoxy grouted into existing concrete in accordance with Special Provision 839-11. Min. diameter of drill hole shall be bar diameter plus 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 ~ SOUTH ABUTMENT  
(Looking South)

**MIN. BAR LAP**  
#2 - 2'-1"

Work this sheet with sheet 10

<b>SOUTH ABUTMENT</b>	
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.C.	DATE 2-20-06 NO. 2006
<b>SOLDIER CREEK 9/11</b>	

MODEL: Default  
FILE NAME: p:\w\108484BID\INTEG\illmod5.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-020-Existing\_Plans.dgn  
2/1/2019 2:46:05 PM

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

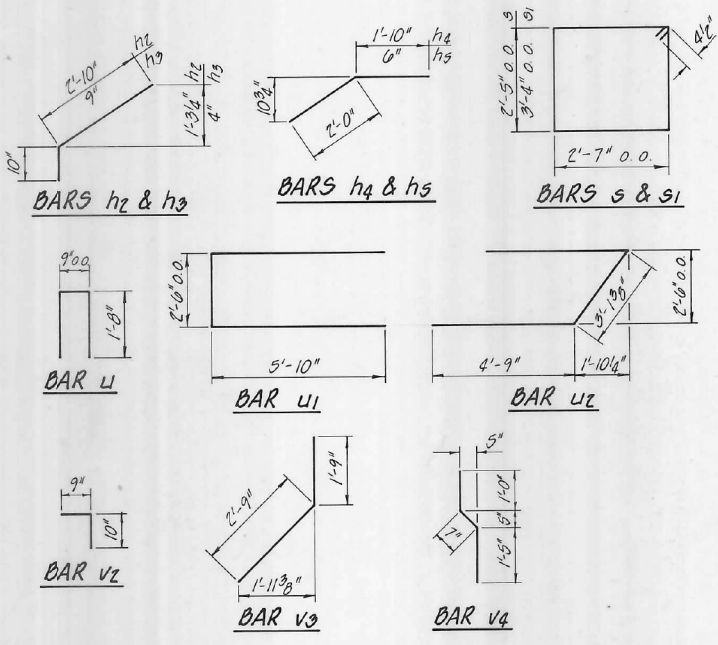
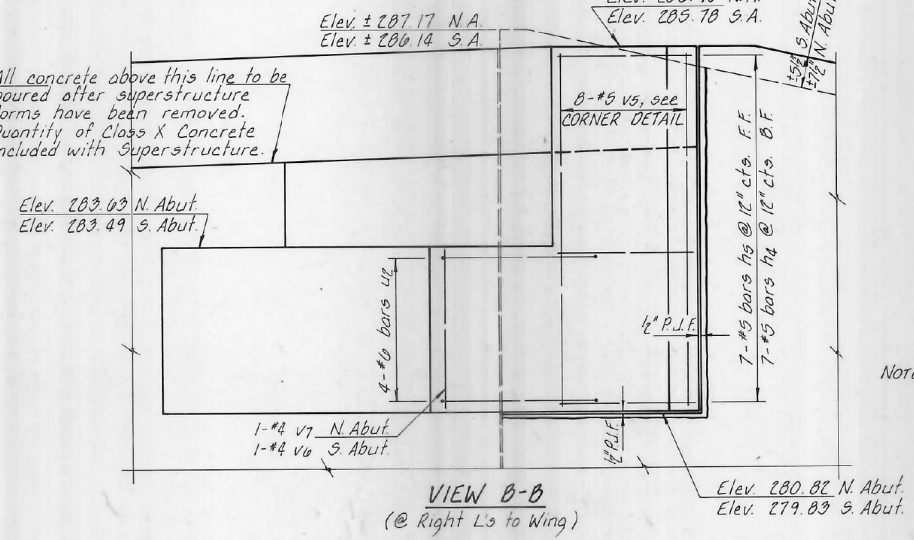
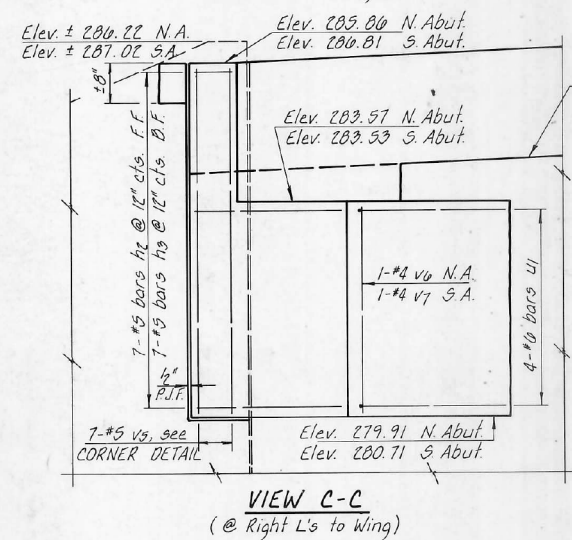
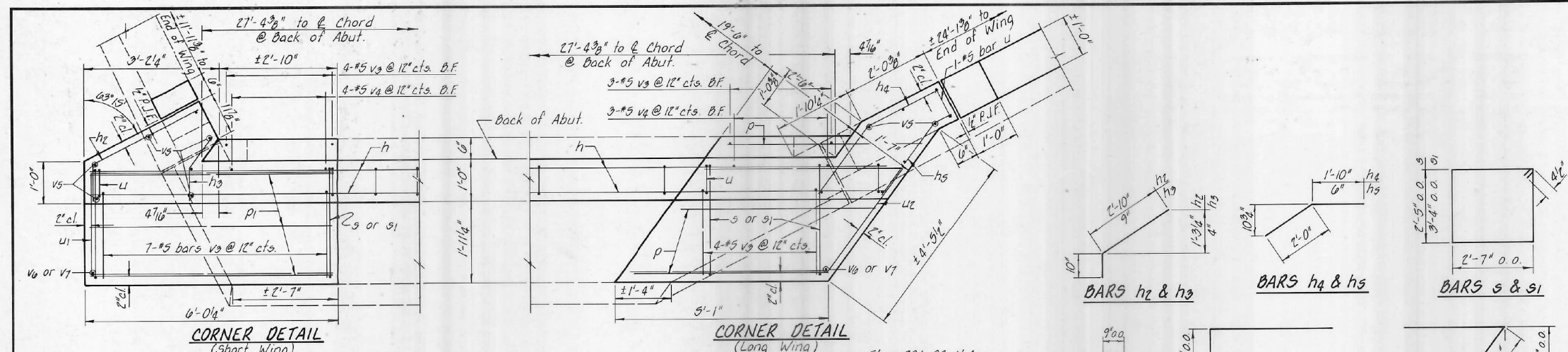
USER NAME =	DESIGNED - MTH	REVISED -
PLOT SCALE =	CHECKED - VPT	REVISED -
PLOT DATE =	DRAWN - DAS	REVISED -
	CHECKED - MTH	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SHEET 20 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	42
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



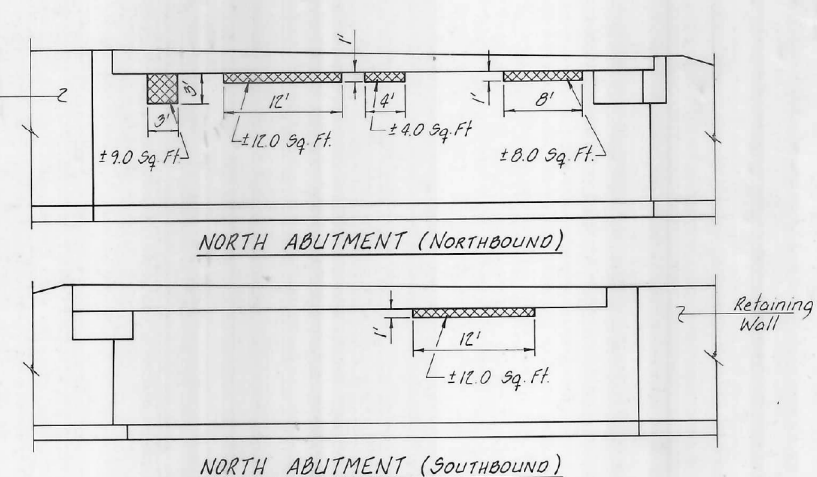
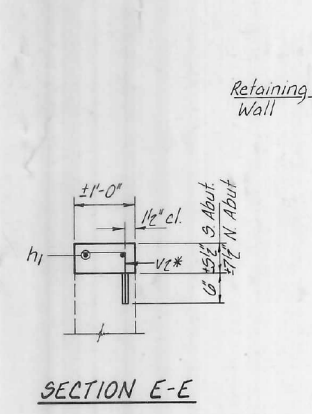
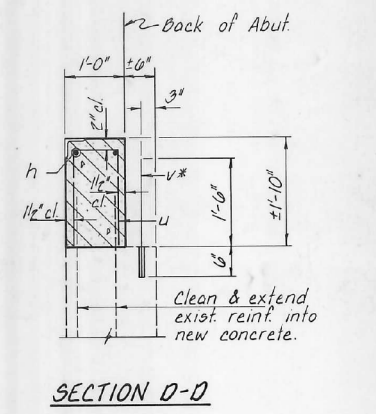
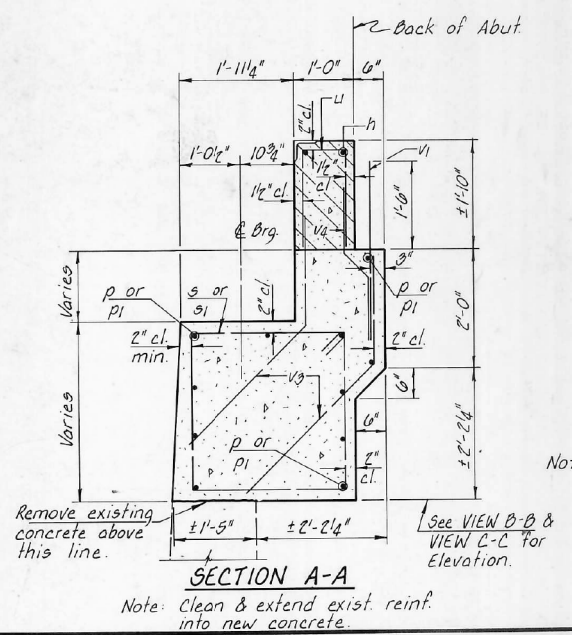
NOTE: Remove existing concrete in wing only as necessary to build Expansion Jt in location shown.

**SUMMARY OF CONCRETE REMOVAL**

N. Abut. ~ W. Bridge	=	4.6	Cu. Yd.
S. Abut. ~ E. Bridge	=	4.0	
N. Abut. ~ E. Bridge	=	4.8	
S. Abut. ~ W. Bridge	=	5.0	
<b>Total</b>	=	<b>19.0</b>	<b>Cu. Yd.</b>

**BILL OF MATERIAL ~ 2 ABUTS.**

BAR	NO. REQ'D.	SIZE	LENGTH	SHAPE
h	16	#6	27'-9"	—
h1	4	#4	23'-10"	—
h2	14	#5	3'-8"	┌
h3	14	#5	1'-7"	┌
h4	14	#5	3'-10"	┌
h5	14	#5	2'-6"	┌
p	20	#6	4'-9"	—
p1	20	#6	5'-9"	—
s	11	#4	9'-9"	□
s1	11	#4	12'-7"	□
u	216	#5	4'-11"	┌
u1	8	#6	14'-2"	┌
u2	8	#6	12'-8"	┌
v#	68	#5	2'-0"	—
v1	12	#5	3'-0"	—
v2#	64	#4	1'-7"	┌
v3	36	#5	4'-6"	┌
v4	14	#5	3'-0"	┌
v5	30	#5	5'-8"	—
v6	2	#4	3'-4"	—
v7	2	#4	2'-6"	—
Class X Concrete			Cu. Yd.	12.8
Reinforcement Bars			Pound	3,270
Protective Coat			Sq. Yd.	6
Repair Concrete Structures			Sq. Ft.	45
Concrete Removal			Cu. Yd.	19.0
Expansion Bolts 3/4" x 12"			Each	18



**CONCRETE REPAIRS**  
Crosshatched areas indicate locations of REPAIR CONCRETE STRUCTURES.

Work this sheet with sheets 8 and 9.

**ABUTMENT DETAILS**  
F.A.I. ROUTE 57  
SECTION 199 BR-2  
KANKAKEE COUNTY  
STATION 92+00

**COLLINS AND RICE**  
CONSULTING ENGINEERS

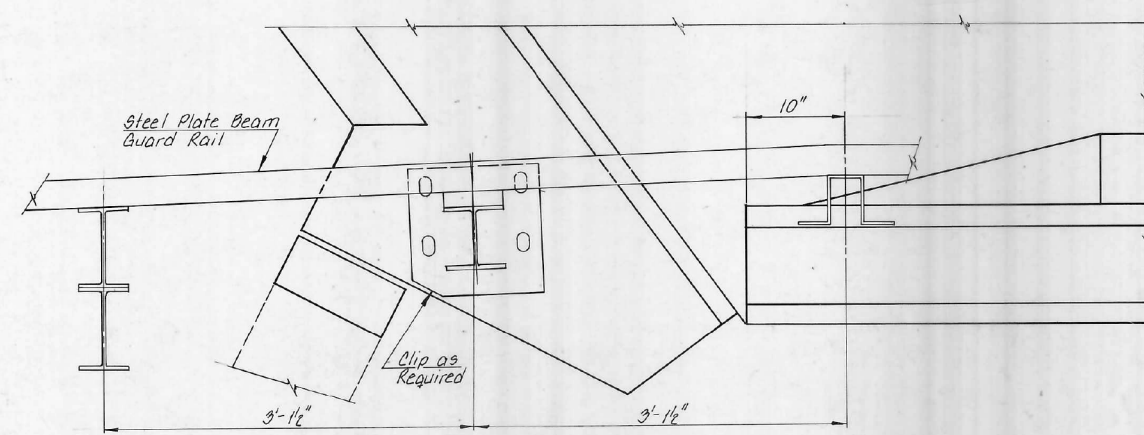
DESIGNED J.K.K. CHECKED Z.B.U.  
DRAWN J.B. DATE 2-20-80 NO. 2006

**SOLDIER CREEK 10/11**

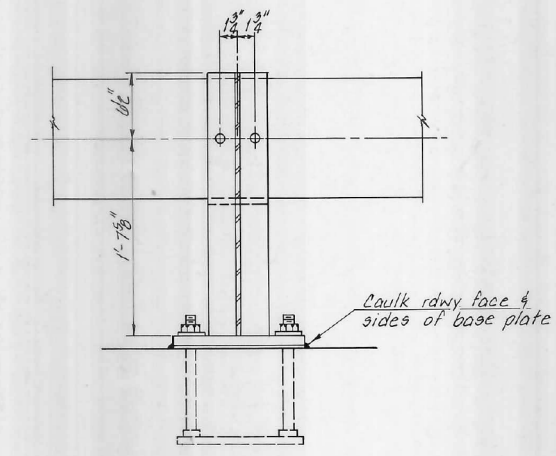
MODEL: Default  
FILE NAME: p:\w\1084848\BID\INTG\Illinois\gov\p\w\1084848\BID\Documents\DOT Offices\District 3\Projects\EP03204\CAD\Drawings\CAD\Drawings\1084848\1084848.dgn  
2/1/2019 2:47:57 PM

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	139BR-2	KANKAKEE	82	27
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

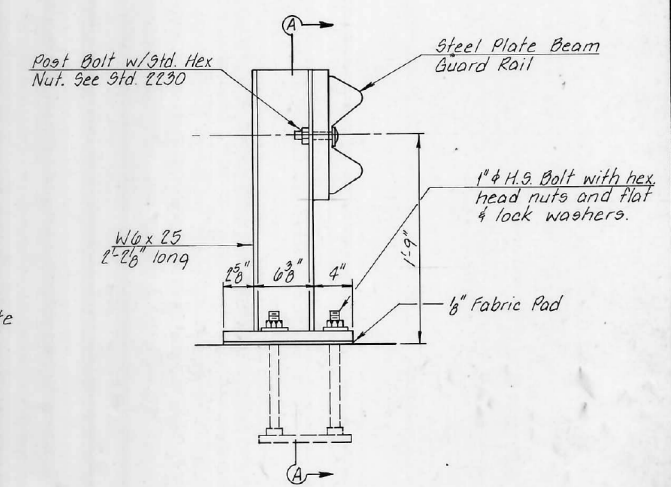
Sheet 11 of 11



**PLAN**



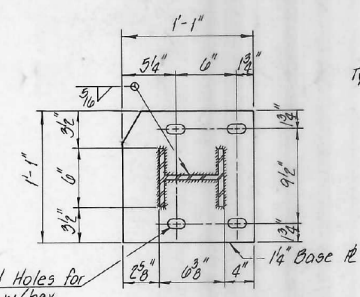
**SECTION A-A**



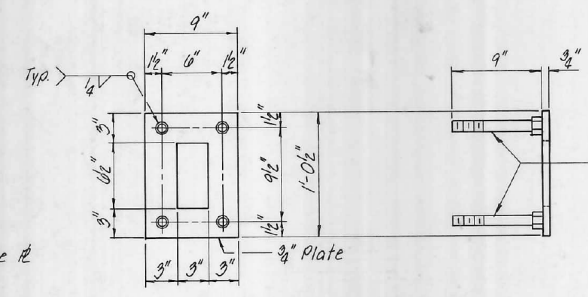
**SECTION AT RAIL POST**

**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 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 6.



**BASE PLATE**  
 1'-1" x 1'-1" x 1/4" Base Pl.



**ANCHOR DEVICE**  
 9" x 3/4" x 1'-0 1/2"

<b>SPECIAL RAILING DETAIL</b>			
FAI ROUTE 57 SECTION 139 BR-2 KANKAKEE COUNTY STATION 92+00			
<b>COLLINS AND RICE</b> CONSULTING ENGINEERS			
DESIGNED J.R.K.	CHECKED Z.B.U.		
DRAWN M.G.	DATE	NO. 0006	

**SOLDIER CREEK 11/11**

MODEL: Default  
 FILE NAME: p:\w\1084848\BID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT\_Offices\District\_3\Projects\EP03204\CADData\CADSheets\0366E67-022-Existing\_Plans.dgn  
 2/1/2019 2:48:59 PM

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

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

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

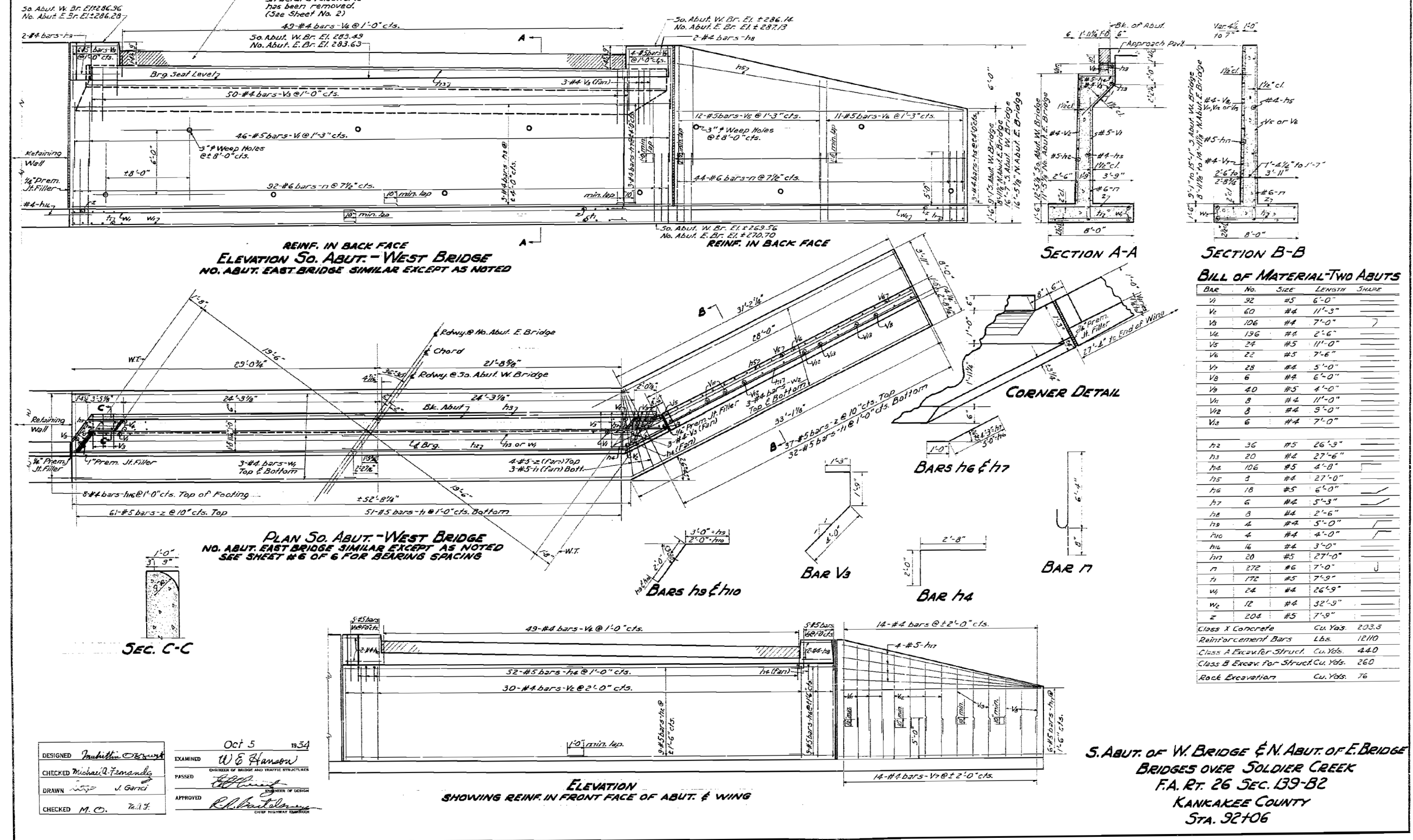
**EXISTING PLANS (FOR INFORMATION ONLY)**  
**STRUCTURE NOS. 046-0012 & 046-0013**

SHEET 22 OF 26 SHEETS

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	44
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	SHEET	COUNT	NO.	NO.
26	139-82	KANKAKEE	11	7
SHEET NO. 7				6 SHEETS



DESIGNED *M. O. M. T. F.* Oct 5 1954  
 EXAMINED *W. E. Hanson*  
 CHECKED *Michael A. Fernandez*  
 DRAWN *J. Garcia*  
 CHECKED *M. O. M. T. F.*

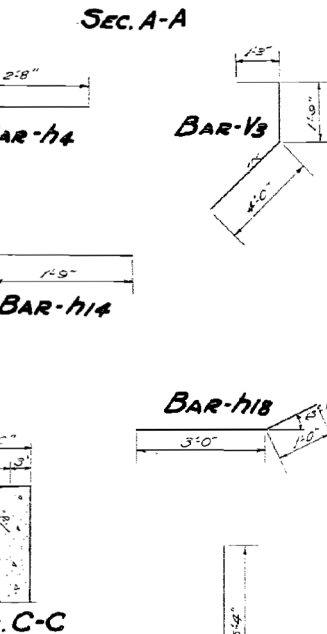
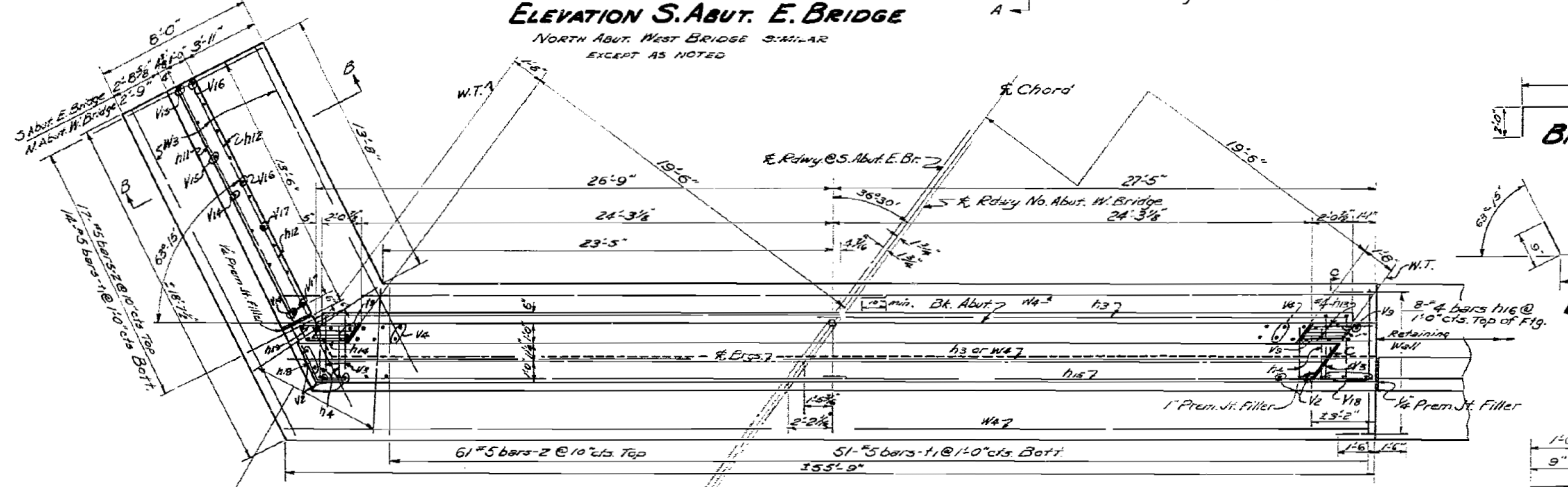
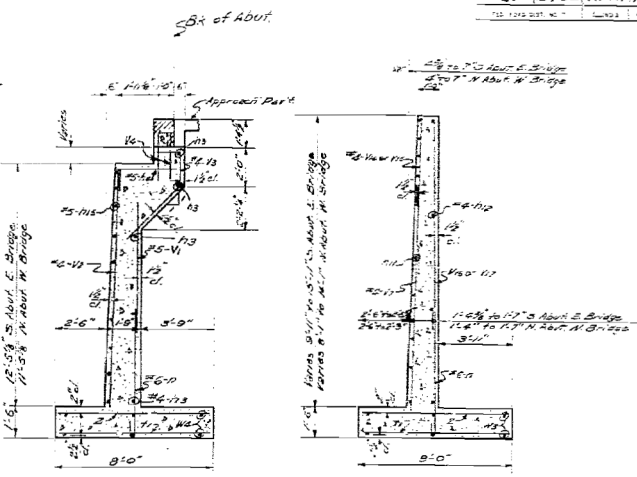
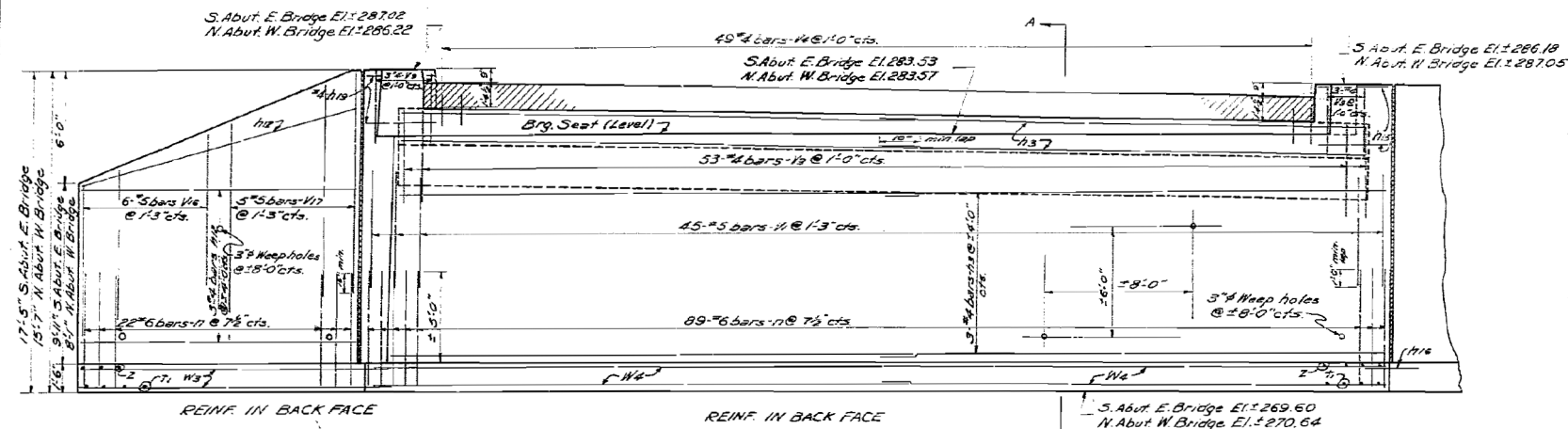
PASSED  
 APPROVED

MODEL: Default  
 FILE NAME: p:\w\l084810\BID\INTEG\ilnotes.gov\p\w\l084810\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADSheets\D366E67-023-Existing Plans.dgn  
 2/1/2019 2:51:04 PM

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

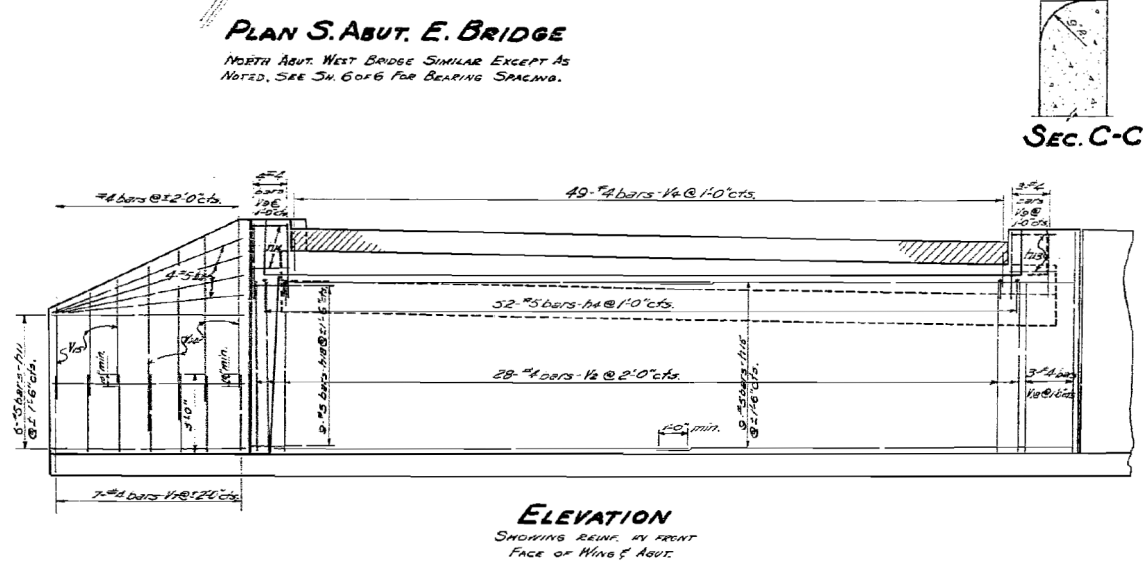
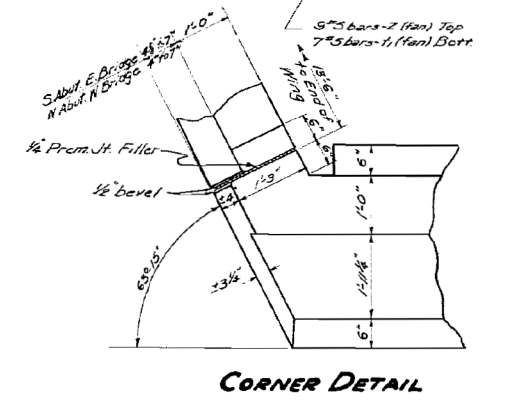
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26 39-B2 KANKAKEE	11	8	6



**BILL OF MATERIAL - TWO ABUTS.**

Bar	No.	Size	Length	Shape
V1	50	#5	6'-0"	
V2	56	#4	11'-3"	
V3	106	#4	7'-0"	7
V4	156	#4	8'-6"	
V5	14	#4	5'-0"	
V6	26	#5	4'-0"	
V7	8	#4	11'-0"	
V8	5	#4	7'-9"	
V9	12	#5	8'-0"	
V10	10	#5	11'-0"	
V11	6	#4	14'-0"	
V12	20	#4	27'-6"	
V13	104	#5	4'-8"	
V14	20	#5	13'-3"	
V15	8	#4	13'-3"	
V16	8	#4	8'-9"	
V17	4	#4	8'-6"	
V18	36	#5	27'-6"	
V19	16	#4	3'-0"	
V20	18	#5	4'-0"	
V21	4	#4	3'-0"	
V22	222	#6	7'-0"	
V23	144	#5	7'-9"	
V24	26	#4	28'-9"	
V25	12	#4	18'-3"	
Z	174	#5	7'-9"	



DESIGNED *Michael O. Zund*  
 CHECKED *Michael A. Jaramandy*  
 DRAWN *E. Rush*  
 CHECKED *M. O. M. A. J.*

Oct 5 1954  
 EXAMINED *W. E. Hansen*  
 PASSED *[Signature]*  
 APPROVED *R. H. Burtel*

**So. ABUT. OF E. BRIDGE & No. ABUT. OF W. BRIDGE  
 BRIDGES OVER SOLDIER CREEK  
 F.A. RT. 26 SEC. 139-B2  
 KANKAKEE COUNTY  
 STA. 92+06**

MODEL: Default  
 FILE NAME: pw:\WIL084EBID\INTEG\ilmod5.gov\PW\DOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-024-Existing\_Plans.dgn  
 2/1/2019 2:52:02 PM

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

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

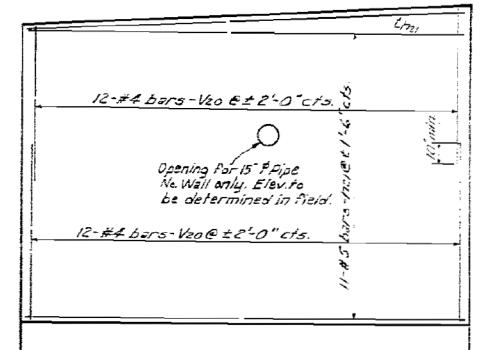
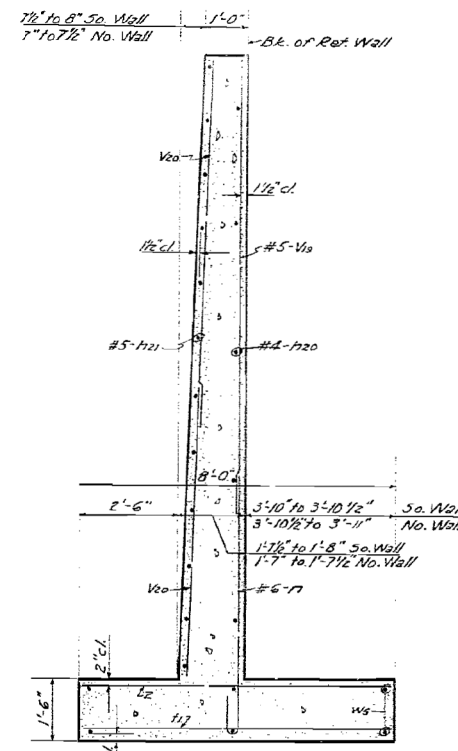
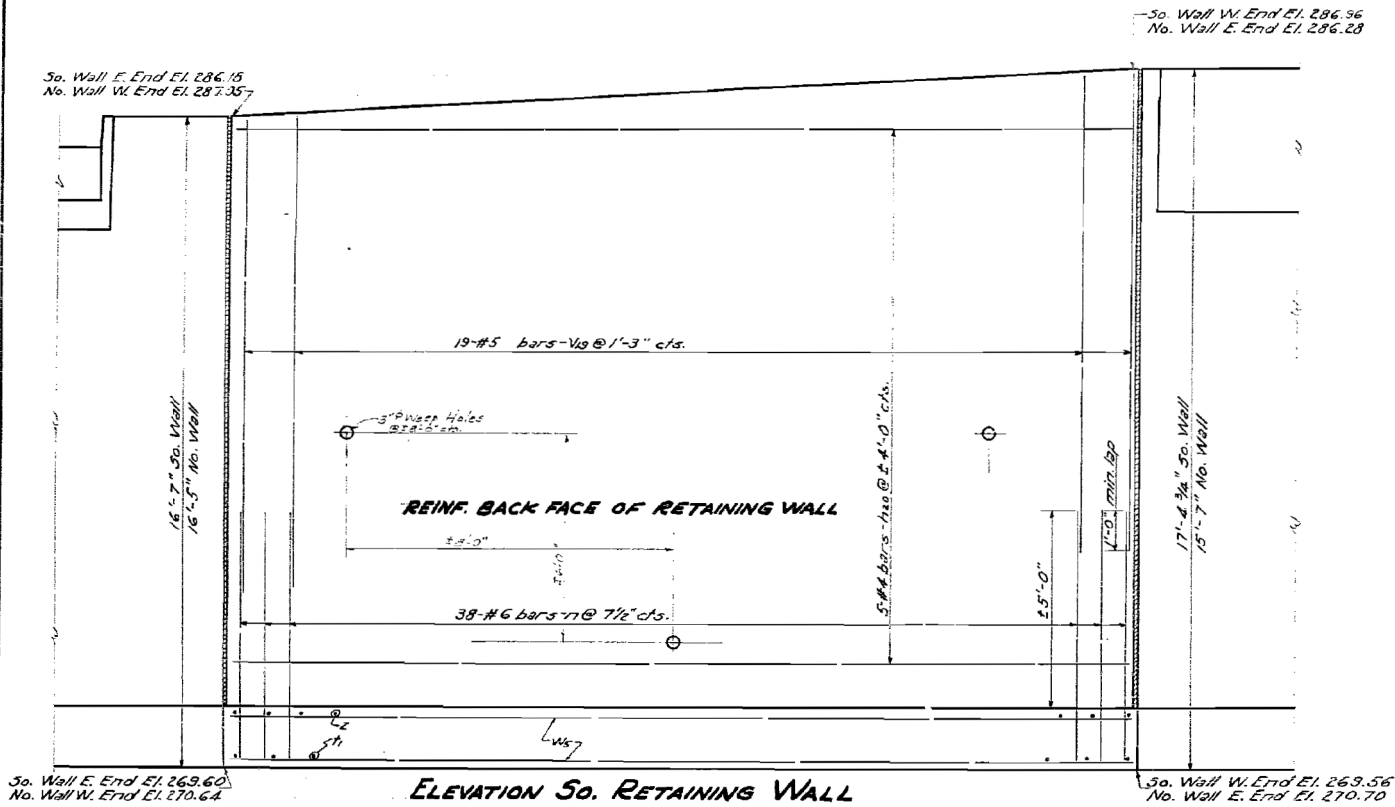
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	46
CONTRACT NO. 66E67				

SHEET 24 OF 26 SHEETS

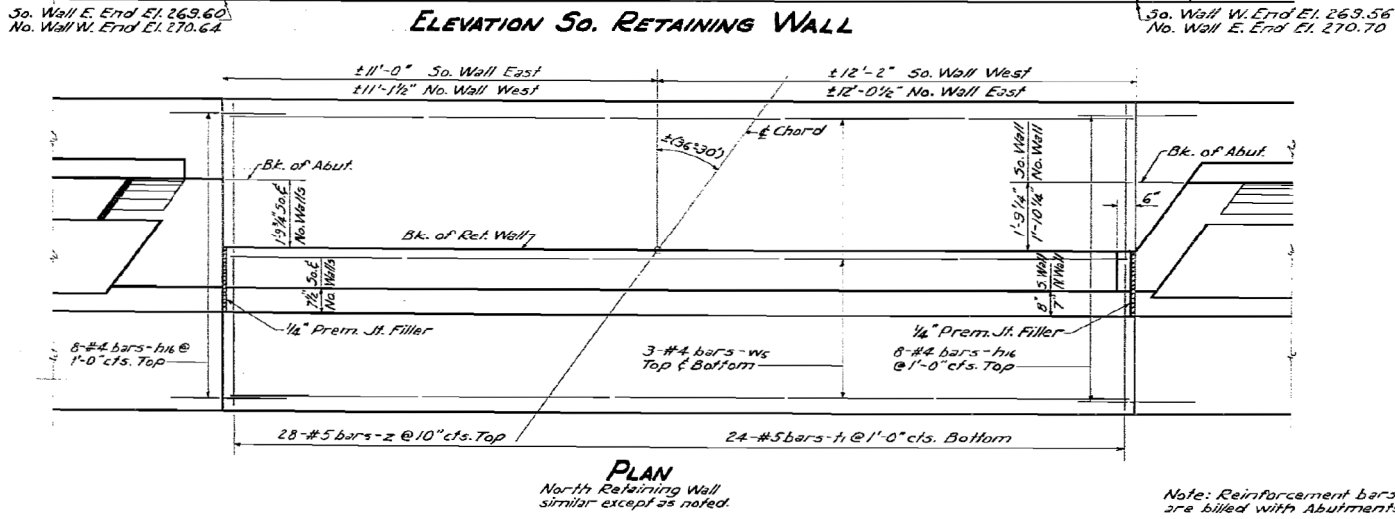
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26	139-B2	KANKAKEE	11	9
SHEET NO. 5				6 SHEETS



REINF. IN FRONT FACE OF RETAINING WALL



TYPICAL SECTION THRU RETAINING WALL

BILL OF MATERIAL-TWO RET. WALLS

BAR	No.	SIZE	LENGTH	SHAPE
h20	10	#4	22'-9"	
h21	22	#5	22'-9"	
v19	38	#5	11'-5"	
v20	48	#4	8'-3"	
n	76	#6	7'-0"	
w6	12	#4	22'-5"	
n	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



DESIGNED *Michael Q. Tomandy*  
 CHECKED *Michael Q. Tomandy*  
 DRAWN *J. Ganci*  
 CHECKED *M. O.*

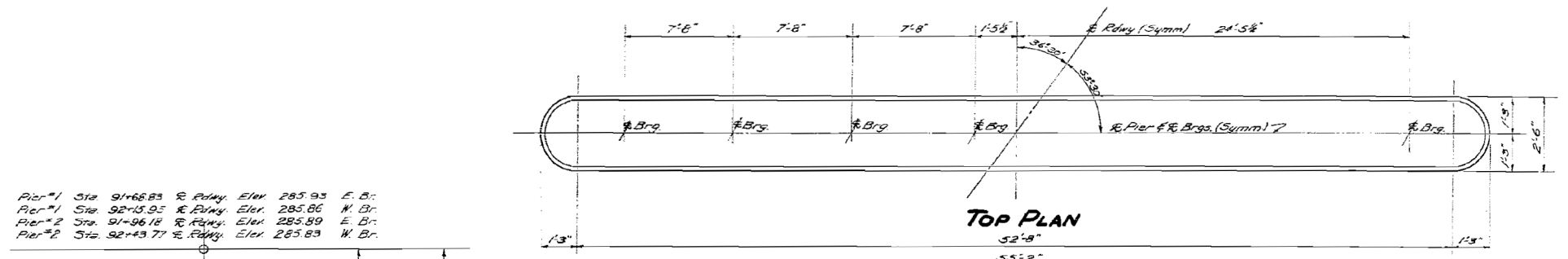
Oct 5 1954  
 EXAMINED *W. E. Hanson*  
 PASSED *W. E. Hanson*  
 APPROVED *W. E. Hanson*

No. 50. RETAINING WALLS  
 BRIDGES OVER SOLDIER CREEK  
 F.A. RT. 26 SEC. 139 B-2  
 KANKAKEE COUNTY  
 STA. 92+06

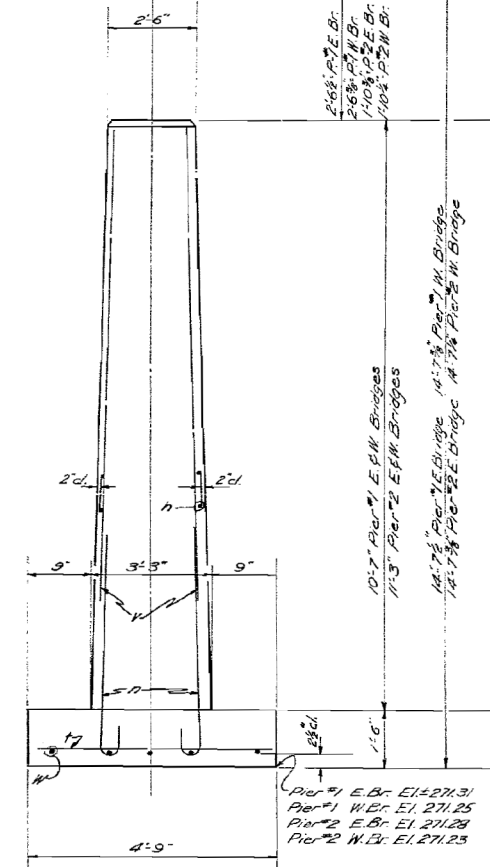
MODEL: Default  
 FILE NAME: p:\w\0848\BID\INT\EG\ilmod\p\w\DOT\Documents\DOT Offices\EP03204\CAD\Drawings\3D66E67-025-Existing\_Plans.dgn  
 2/1/2019 2:53:21 PM

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

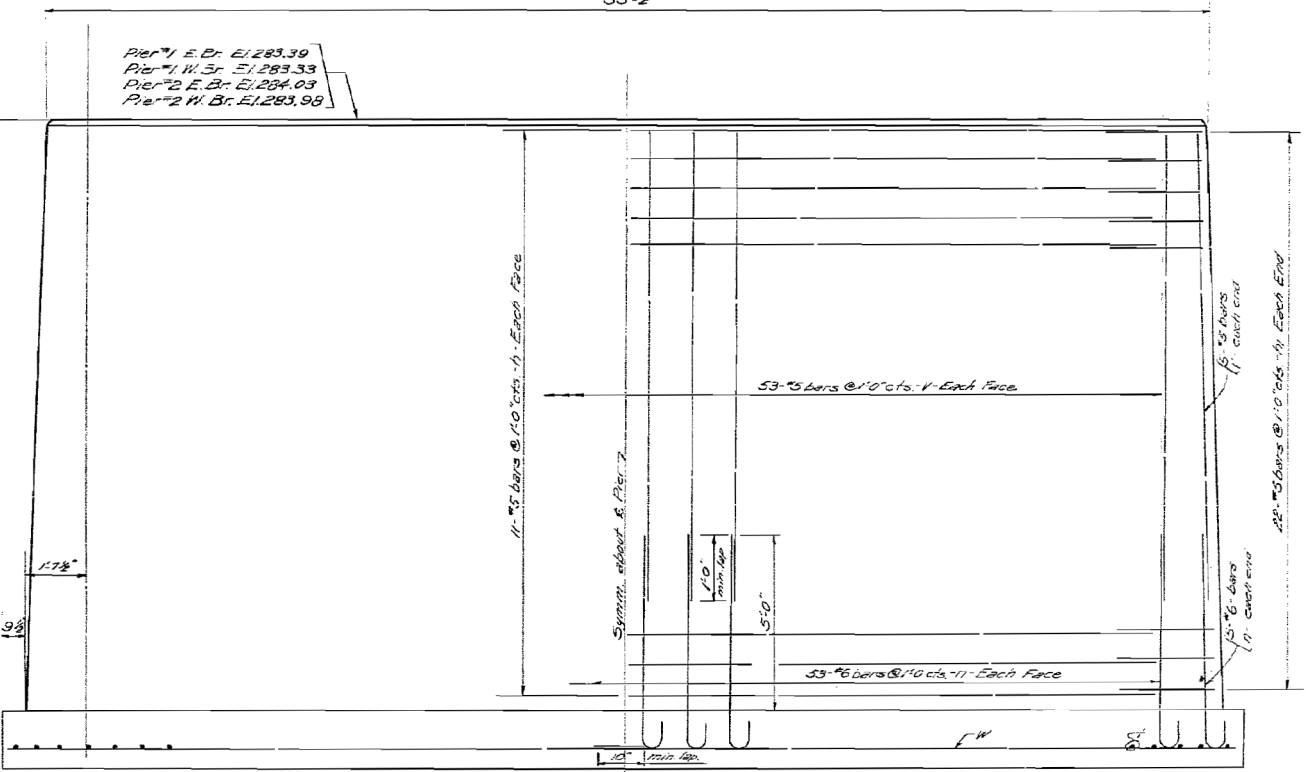
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
26	139-B2	KANKAKEE	11	10



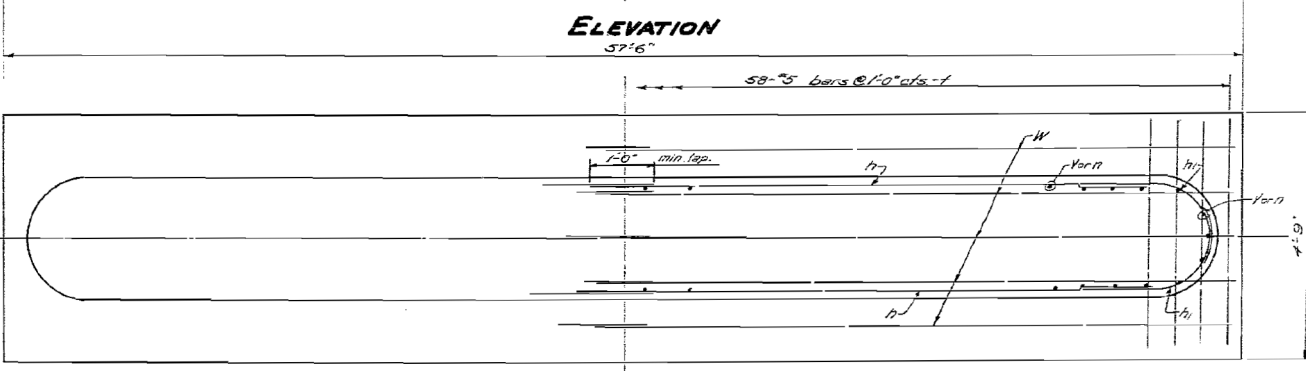
Pier #1 Sta. 91+66.83 R. Rdwy. Elev. 285.93 E. Br.  
Pier #1 Sta. 92+15.95 R. Rdwy. Elev. 285.86 W. Br.  
Pier #2 Sta. 91+96.18 R. Rdwy. Elev. 285.89 E. Br.  
Pier #2 Sta. 92+43.71 R. Rdwy. Elev. 285.83 W. Br.



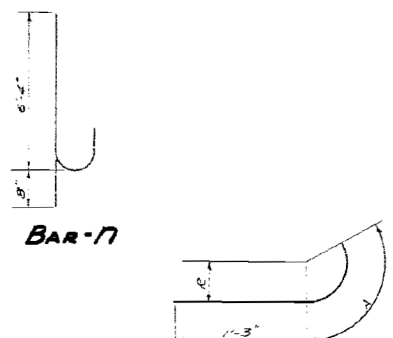
END VIEW



ELEVATION



FOOTING PLAN



BAR #11

Bar	R	A
#11	1-5"	2-9"

DETAIL OF BAR #11

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	464	#6	7'-0"	U	H	176	#5	4'-0"	—
T	232	#5	4'-6"	—					
W	40	#4	29'-0"	—					
Class 2 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

DESIGNED *Michael A. Sarnady*  
CHECKED *Michael A. Sarnady*  
DRAWN *S. J. Rust*  
CHECKED *M. C. Rust*

EXAMINED *W. E. Hanson*  
PASSED *E. J. Rust*  
APPROVED *R. K. Sarnady*

Oct 5 1954

MODEL: Default  
FILE NAME: p:\w\1084EBID\INTEG\illmots.gov\PWIDOT\Documents\DOT Offices\District\_3\Projects\EP03204\CADData\CADsheets\0366E67-026-Existing\_Plans.dgn

**E** 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 -

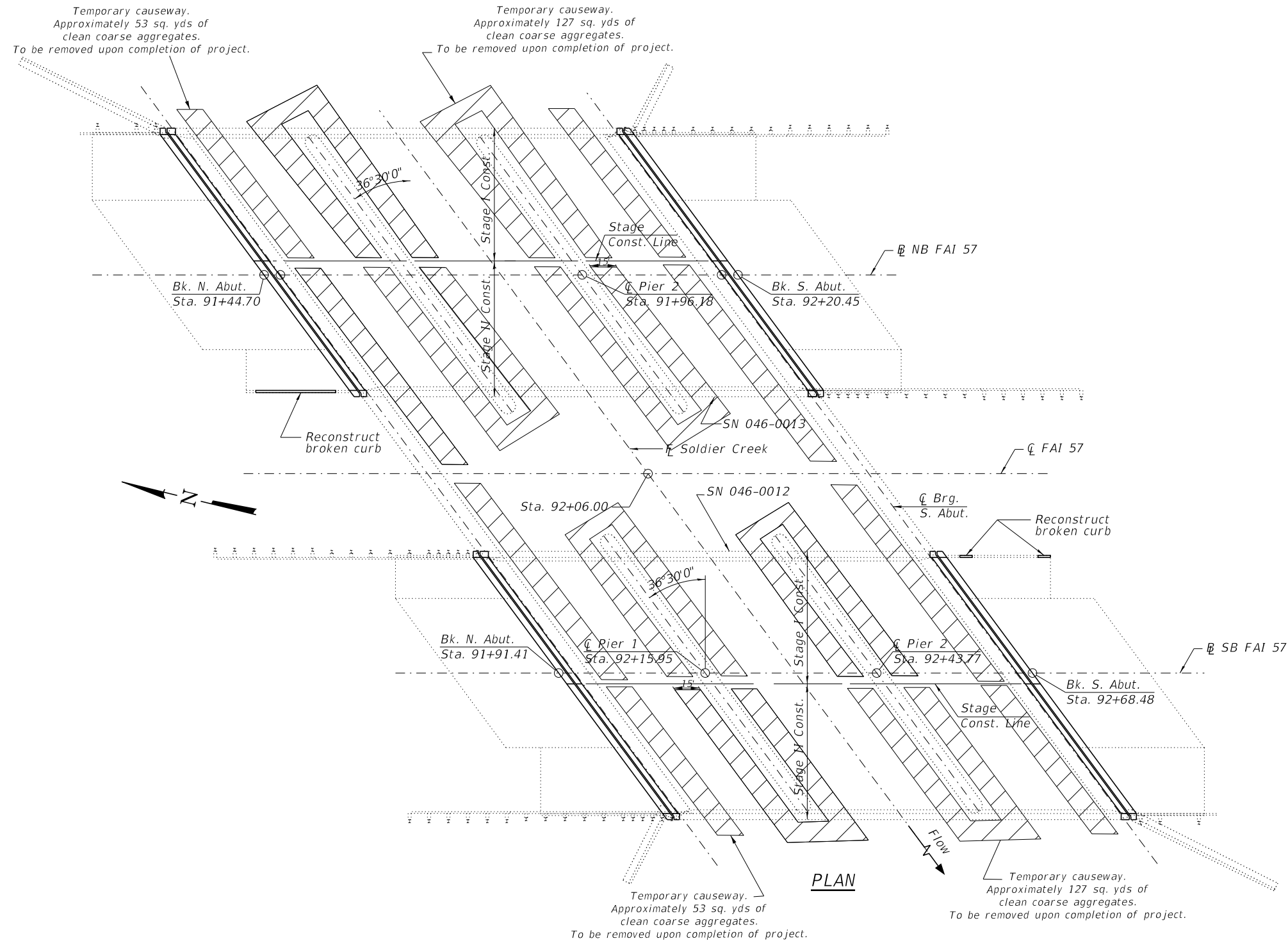
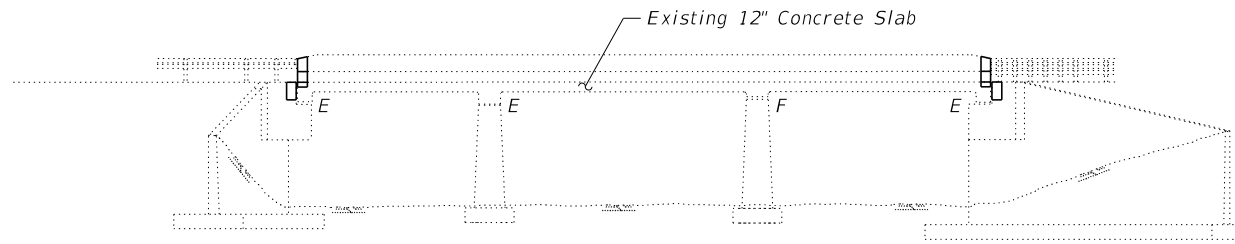
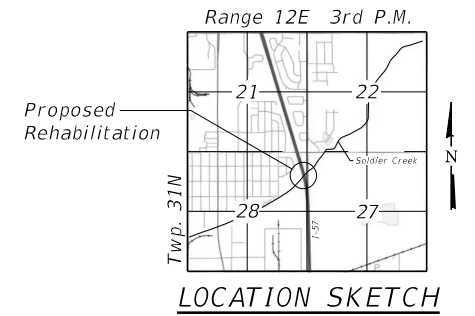
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	48
CONTRACT NO. 66E67				



**EXHIBIT**



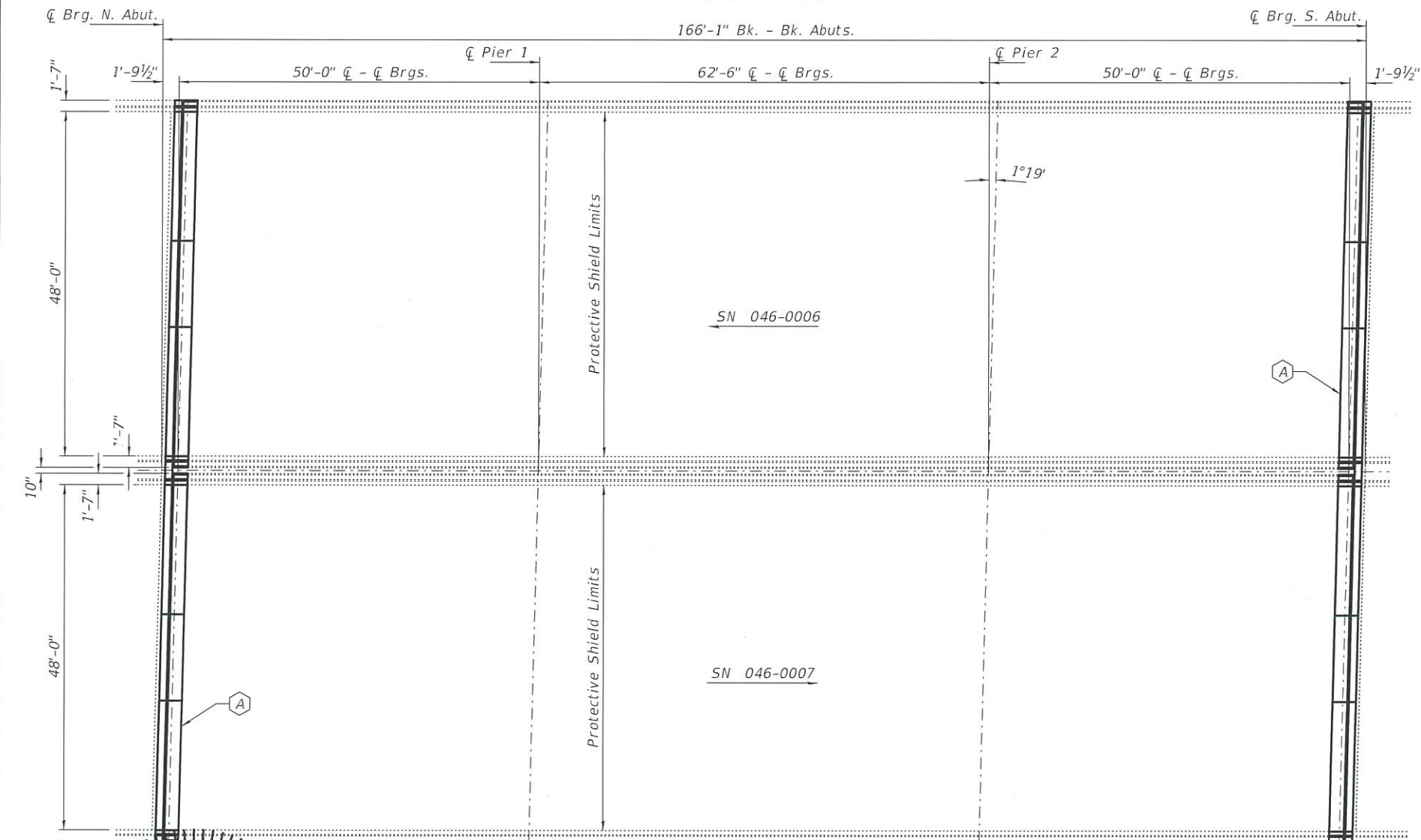
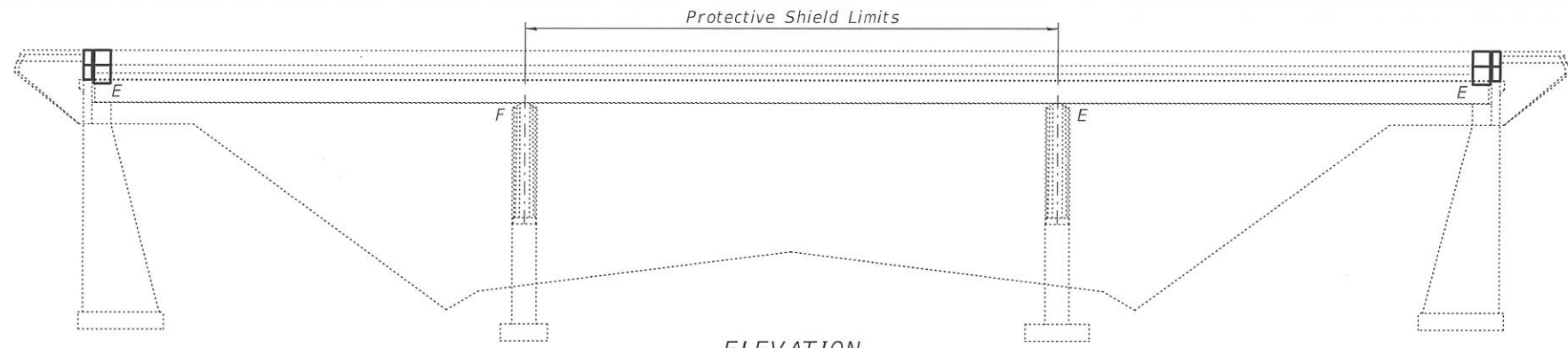
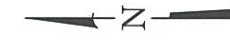
**GENERAL PLAN AND ELEVATION**  
**I-57 OVER SOLDIER CREEK**  
**F.A.I. RTE. 57 - SEC. (46-2, 46-3) RS-3&I**  
**KANKAKEE COUNTY**  
**STATION 92+06.00**  
**STRUCTURE NOS. 046-0012(SB) & 046-0013(NB)**

Not to Scale

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

**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 7/8"Ø, open holes 1 1/16"Ø, 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.



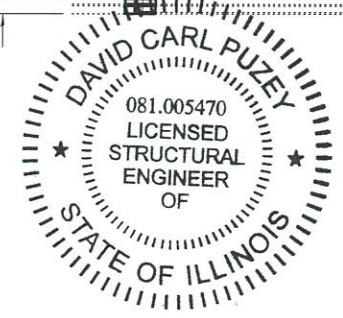
**PLAN**

(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.



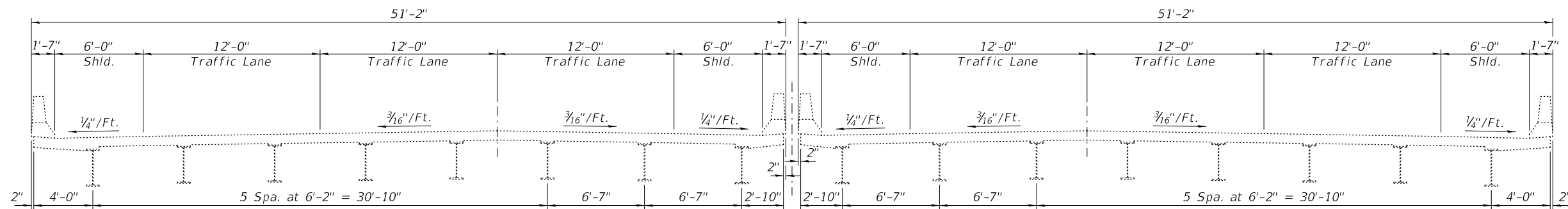
EXPIRES 11-30-2020

DESIGNED - <i>Hamad Salih</i>	EXAMINED - <i>Tom A. Holt</i>	DATE - MARCH 19, 2019
CHECKED - <i>Corey D. Knutson</i>	PASSED - <i>Dr. Carl Puzey</i>	REVISOR -
DRAWN - <i>daburdell</i>		REVISOR -
CHECKED - <i>HSS/CPK</i>		

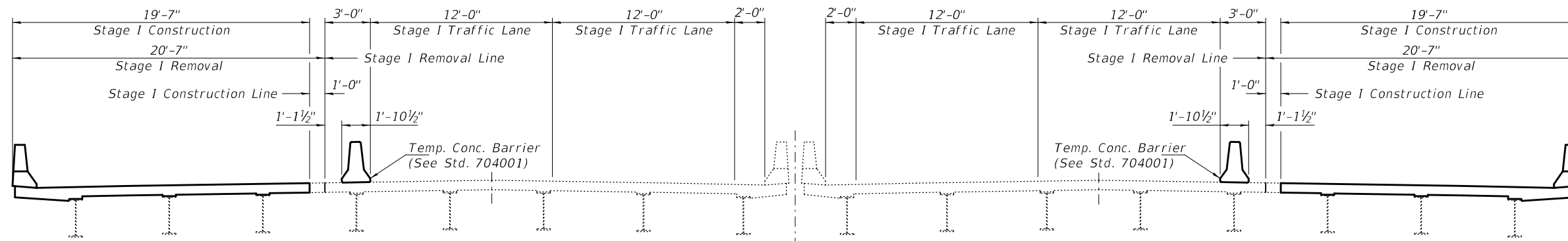
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION  
 FAI 57 OVER IL RTE 17  
 SN 046-0006 (NB) & 046-0007 (SB)  
 SHEET NO. 1 OF 8 SHEETS

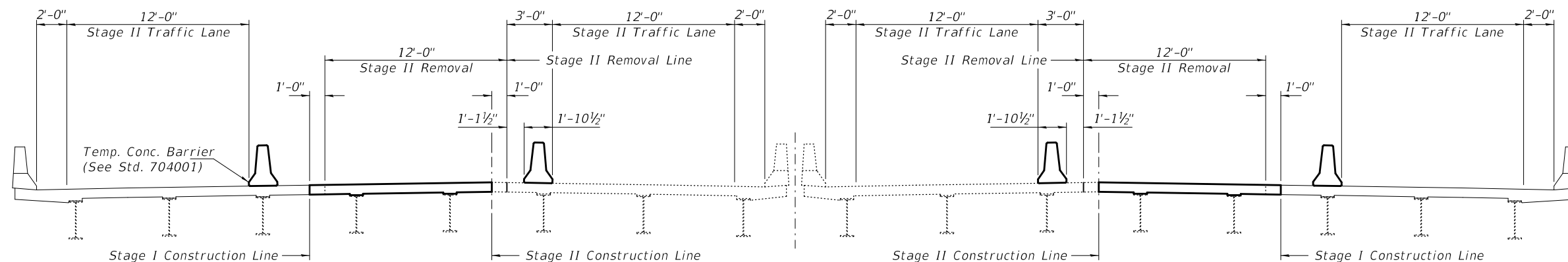
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	50
CONTRACT NO. 66E67				
ILLINOIS   FED. AID PROJECT				



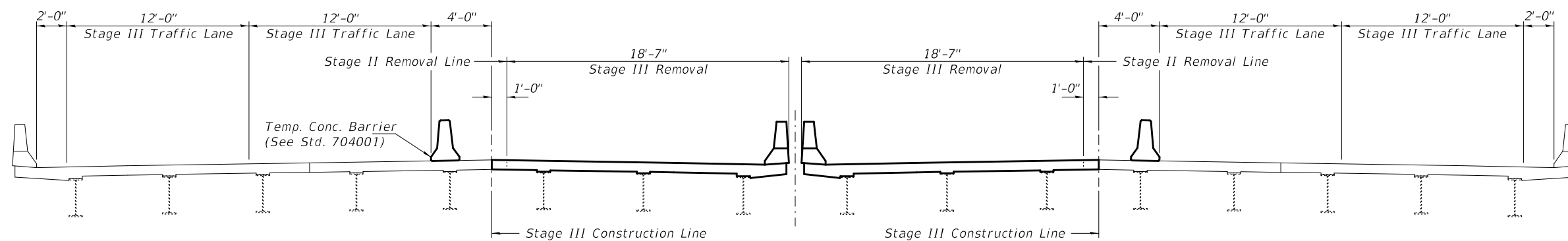
**CROSS SECTION**  
(Looking South)



**CROSS SECTION - STAGE I**  
(Looking South)



**CROSS SECTION - STAGE II**  
(Looking South)



**CROSS SECTION - STAGE III**  
(Looking South)

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

EXAMINED  
 PASSED  
 ENGINEER OF STRUCTURAL SERVICES  
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 19, 2019  
 REVISED -  
 REVISED -

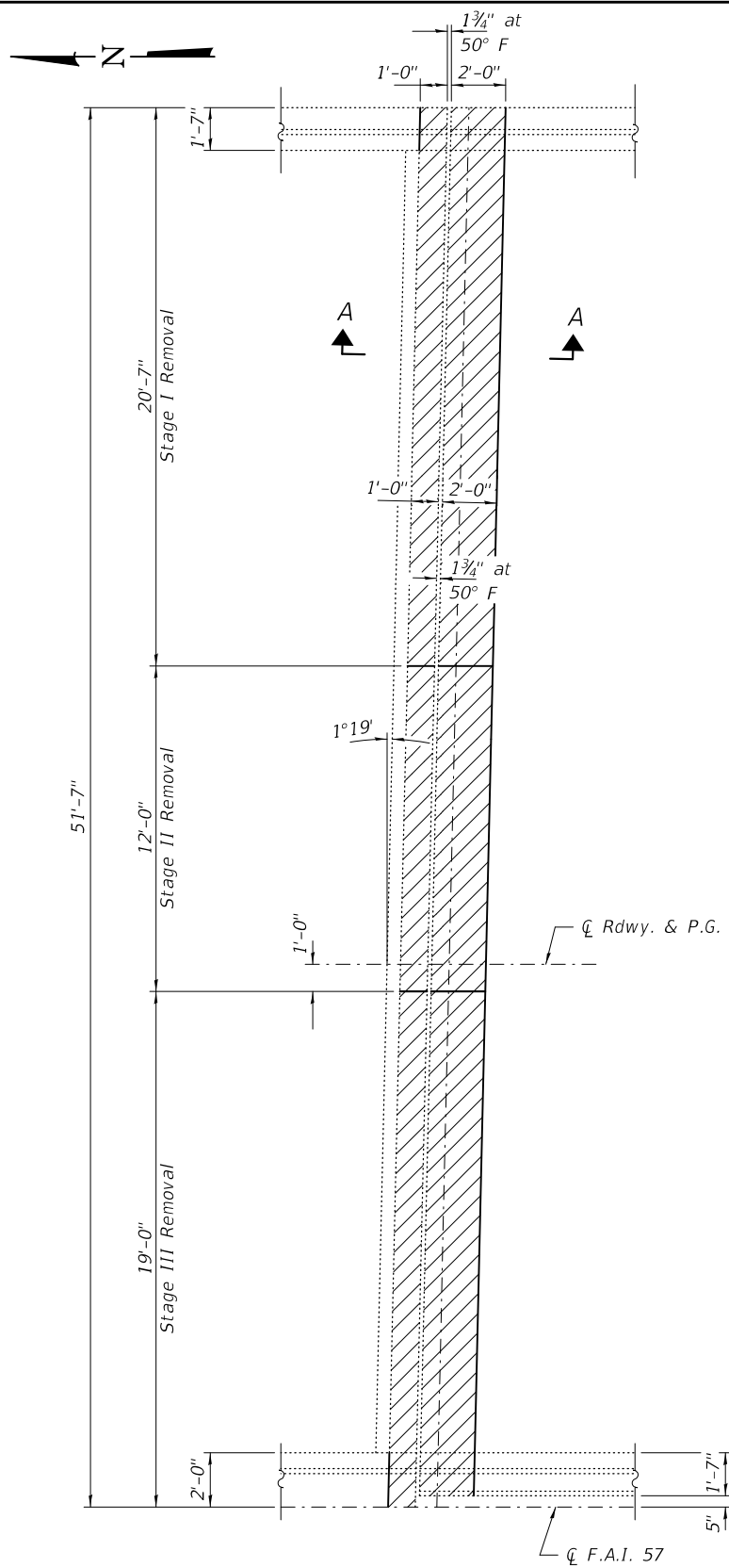
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION**  
**SN 046-0006 (NB) & 0007 (SB)**

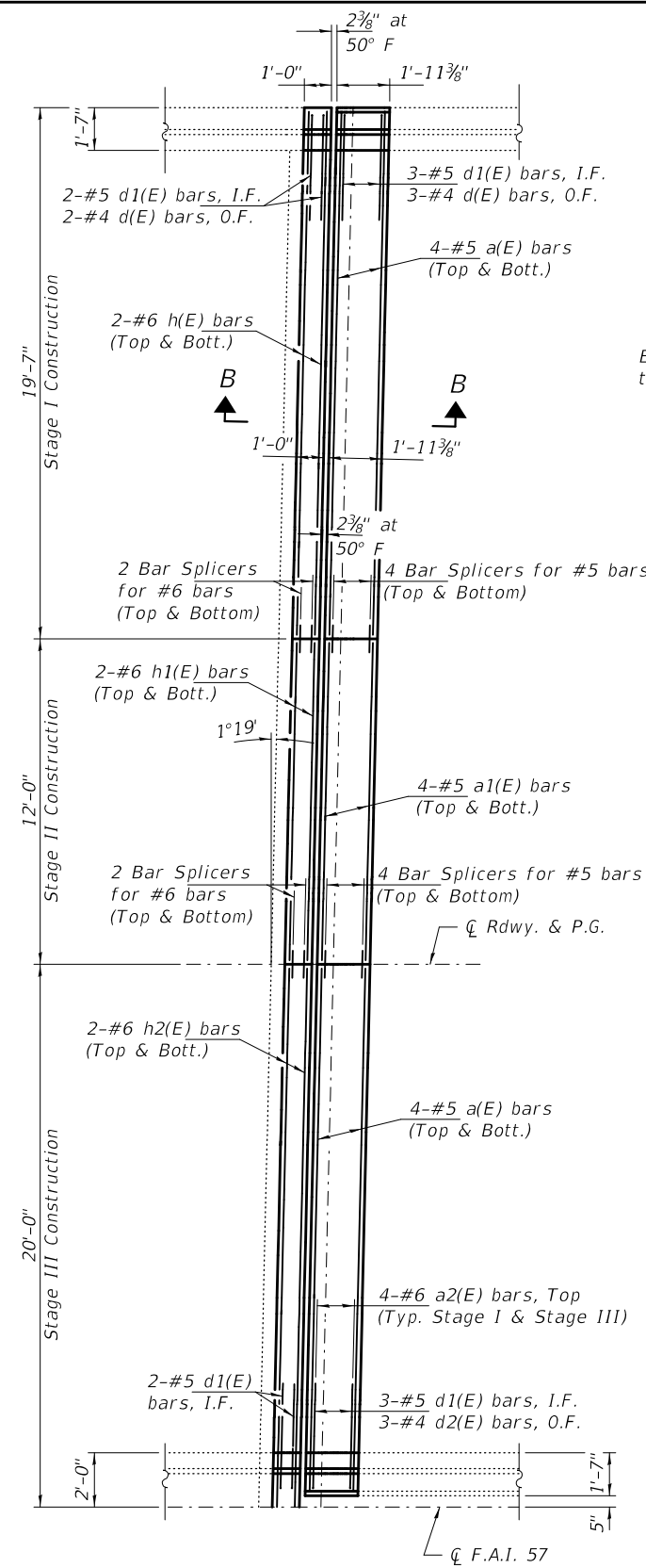
SHEET NO. 2 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2, 46-3) RS-3&I	KANKAKEE	76	51
CONTRACT NO. 66E67				

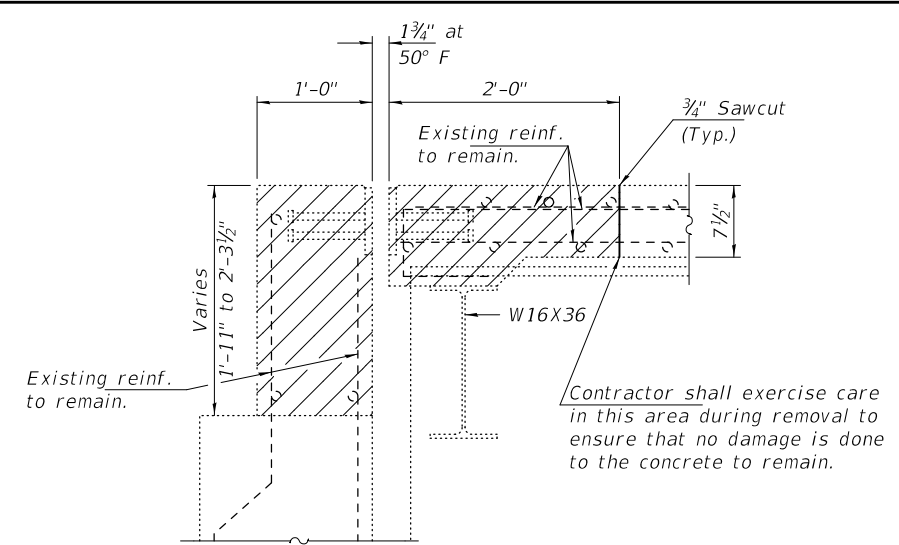
ILLINOIS FED. AID PROJECT



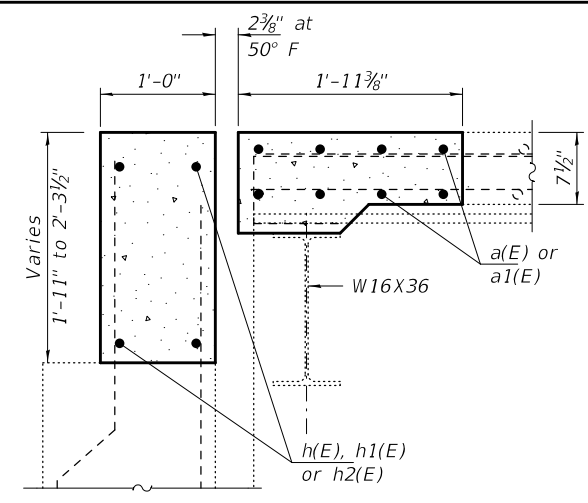
**REMOVAL PLAN**  
 North Abut. of SN 046-0006 shown,  
 North Abut. of SN 046-0007 similar  
 by mirroring along  $\bar{C}$  F.A.I. 57.



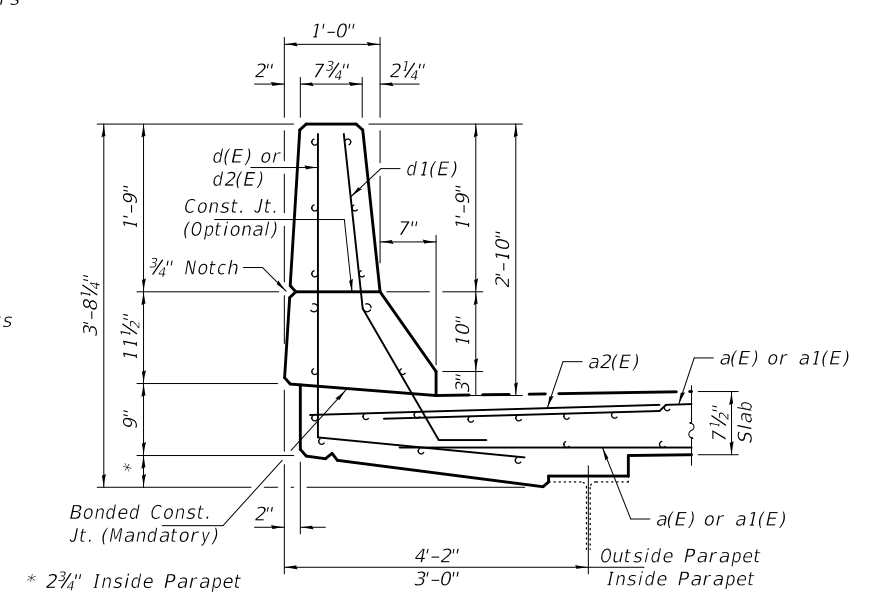
**REPLACEMENT PLAN**  
 North Abut. of SN 046-0006 shown,  
 North Abut. of SN 046-0007 similar  
 by mirroring along  $\bar{C}$  F.A.I. 57.



**SECTION A-A**

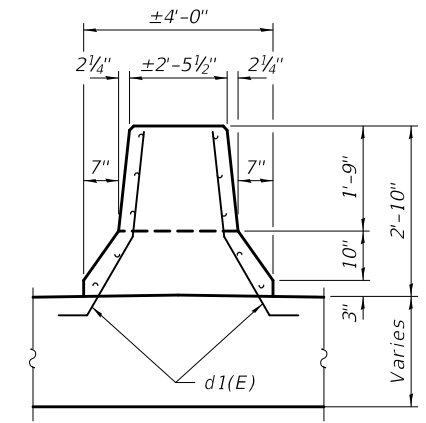


**SECTION B-B**

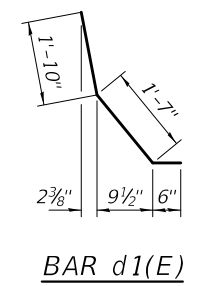


**SECTION THRU BRIDGE PARAPET**

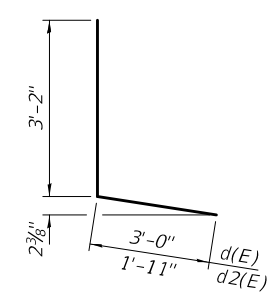
**TYPICAL SECTION THRU OUTSIDE APPROACH PARAPET**



**TYPICAL SECTION THRU INSIDE APPROACH PARAPET**



**BAR d1(E)**



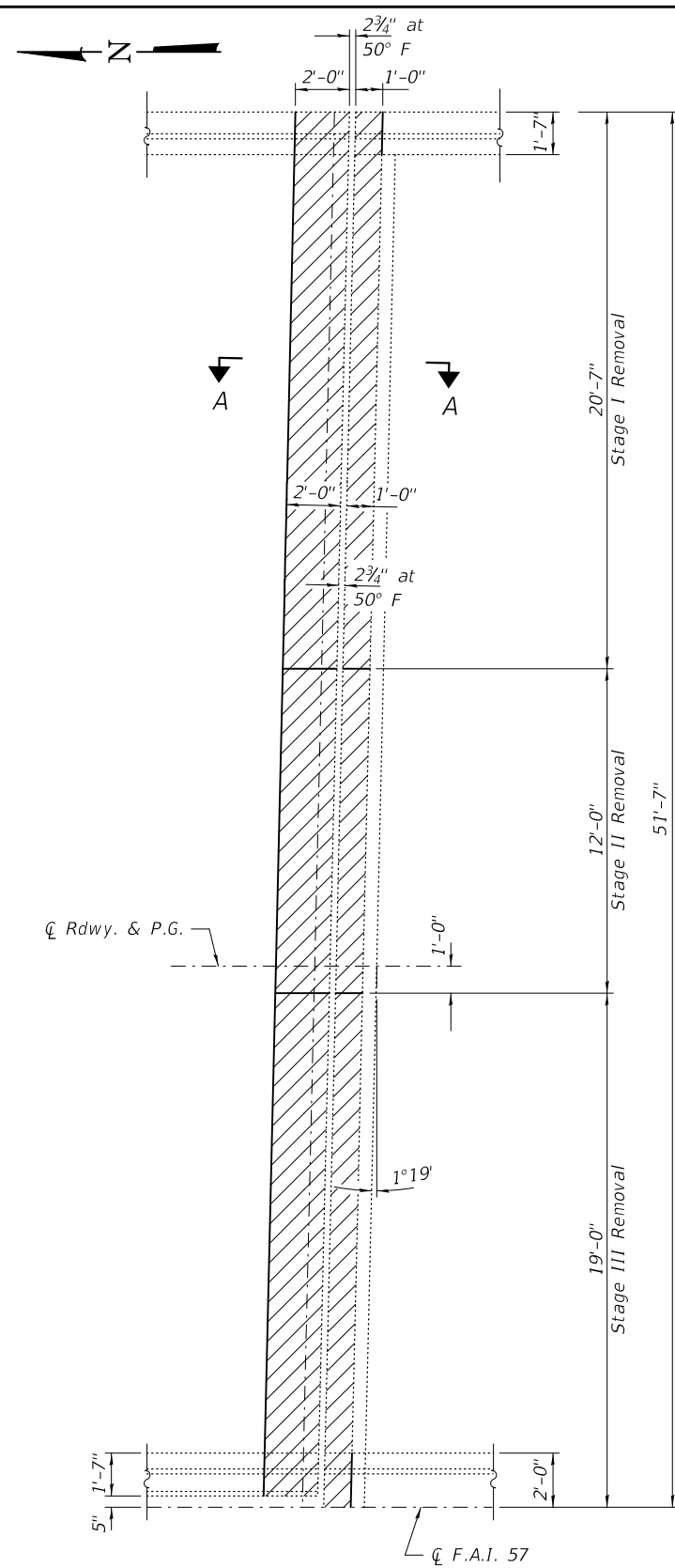
**BAR d(E) & d2(E)**

Note:  
 Existing longitudinal reinforcement bars is to remain.

**BILL OF MATERIAL - NORTH ABUT.**

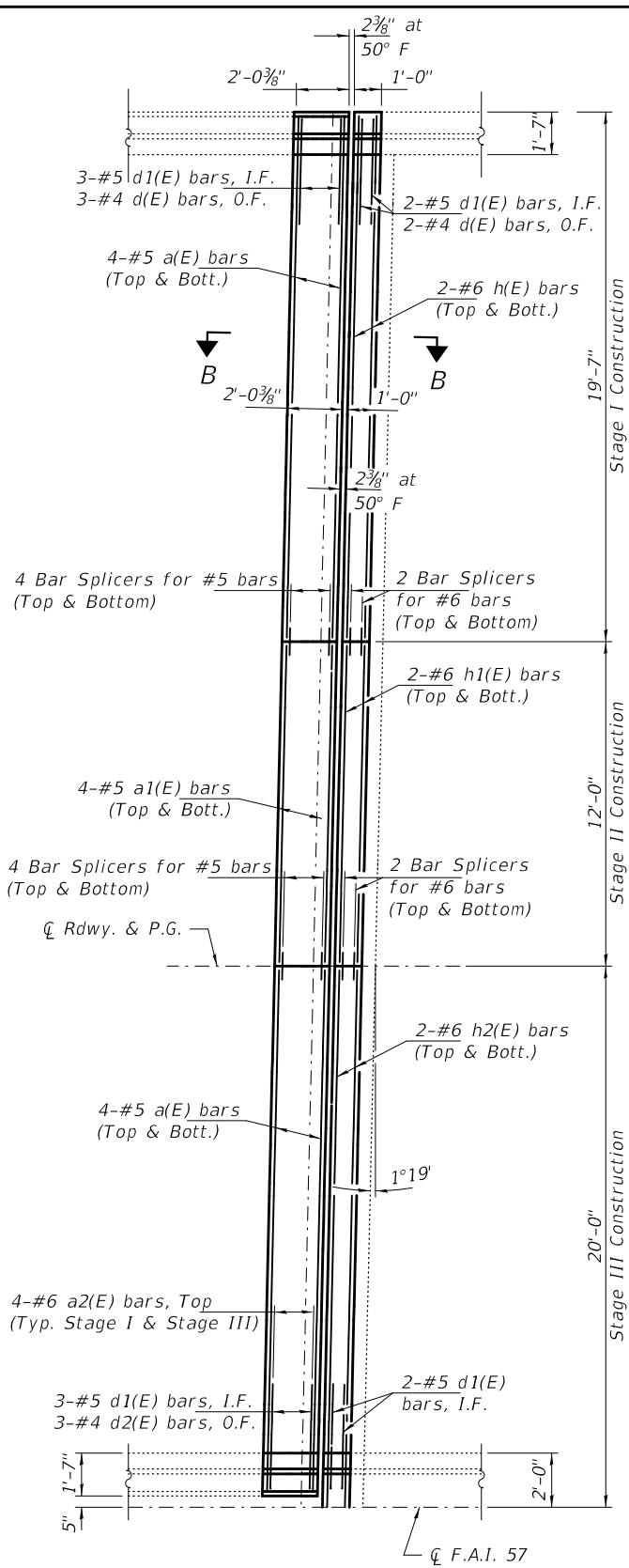
Bar	No.	Size	Length	Shape
a(E)	32	#5	19'-1"	—
a1(E)	16	#5	11'-8"	—
a2(E)	16	#6	4'-0"	—
d(E)	10	#4	6'-2"	J
d1(E)	20	#5	3'-11"	J
d2(E)	6	#4	5'-1"	J
h(E)	16	#6	19'-1"	—
h1(E)	16	#6	11'-8"	—
h2(E)	16	#6	39'-8"	—
Concrete Removal			Cu. Yd.	16
Concrete Superstructure			Cu. Yd.	15.8
Reinforcement Bars, Epoxy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

Reinforcement bars designated (E) shall be epoxy coated.



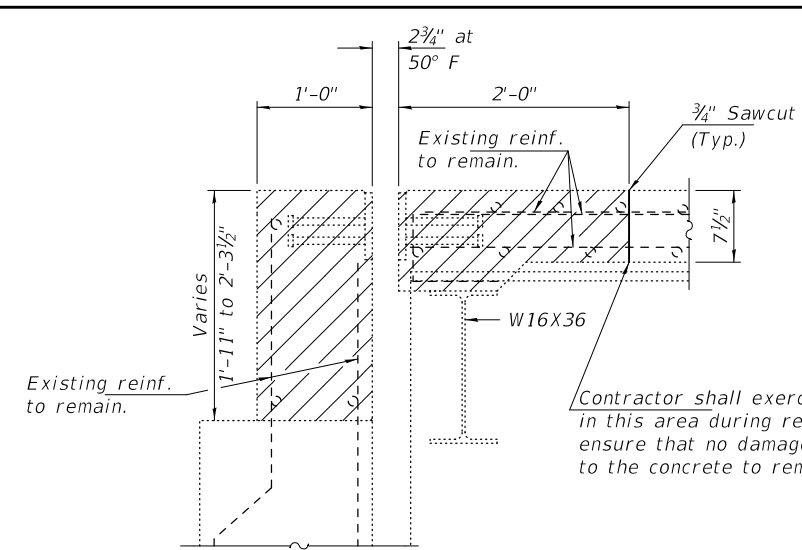
**REMOVAL PLAN**

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

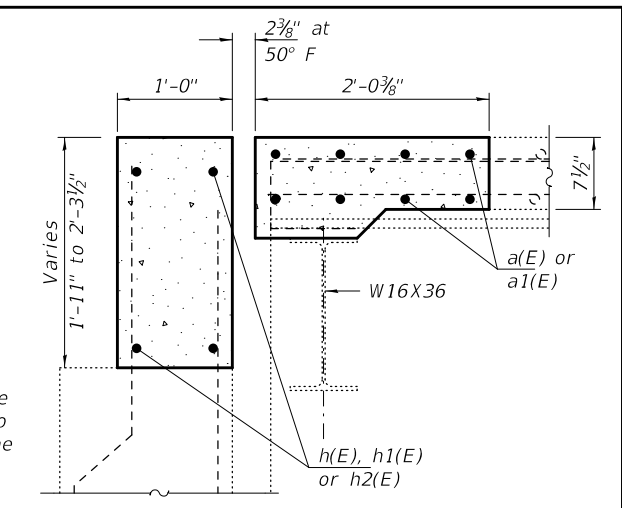


**REPLACEMENT PLAN**

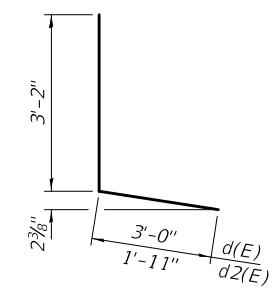
South Abut. of SN 046-0006 shown,  
South Abut. of SN 046-0007 similar  
by mirroring along  $\bar{C}$  F.A.I. 57.



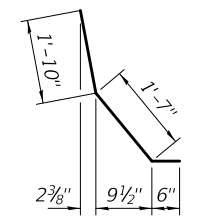
**SECTION A-A**



**SECTION B-B**



**BAR d(E) & d2(E)**



**BAR d1(E)**

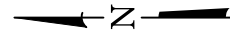
Note:  
See sheet 3 of 8 for Section  
Through Parapets.

**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"	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.		16
Reinforcement Bars, Epoxy Coated		Pound		2760
Bar Splicers		Each		48

Reinforcement bars designated (E) shall be epoxy coated.



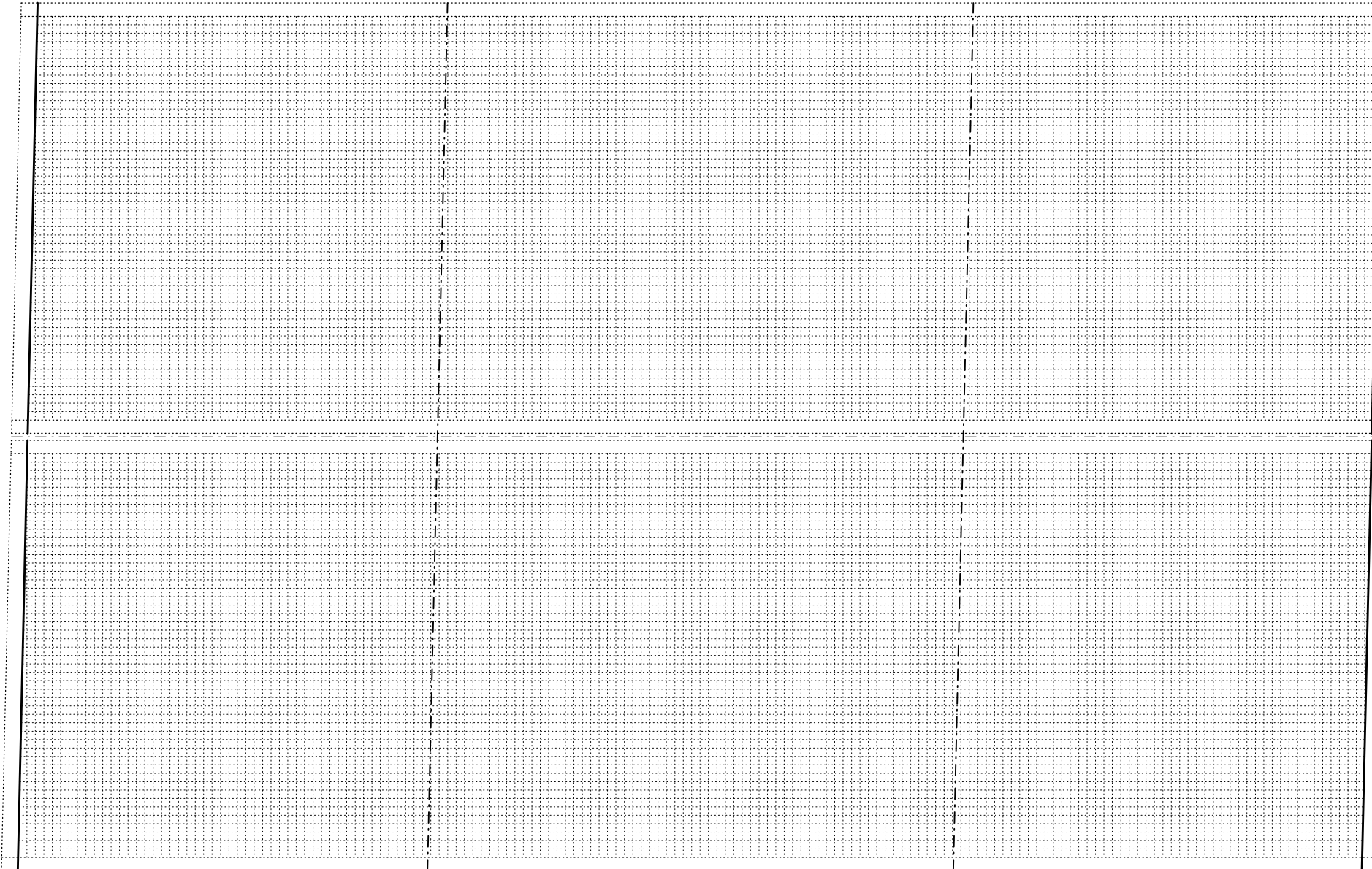


End Slab N. Abut.

☐ 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  
PASSED  
  
ENGINEER OF STRUCTURAL SERVICES  
  
ENGINEER OF BRIDGES AND STRUCTURES

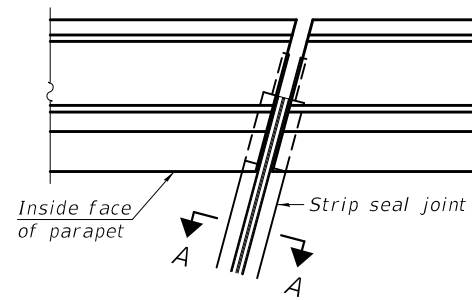
DATE - MARCH 19, 2019  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

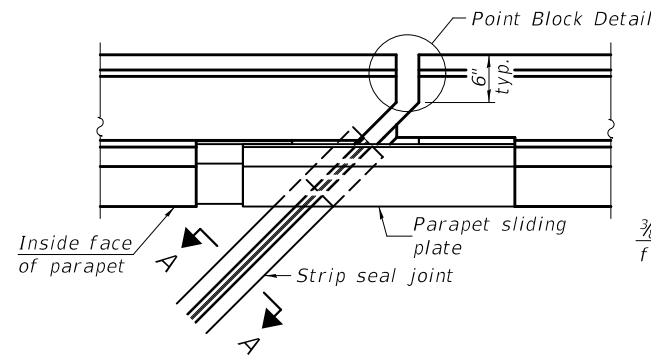
SHEET NO. 6 OF 8 SHEETS

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

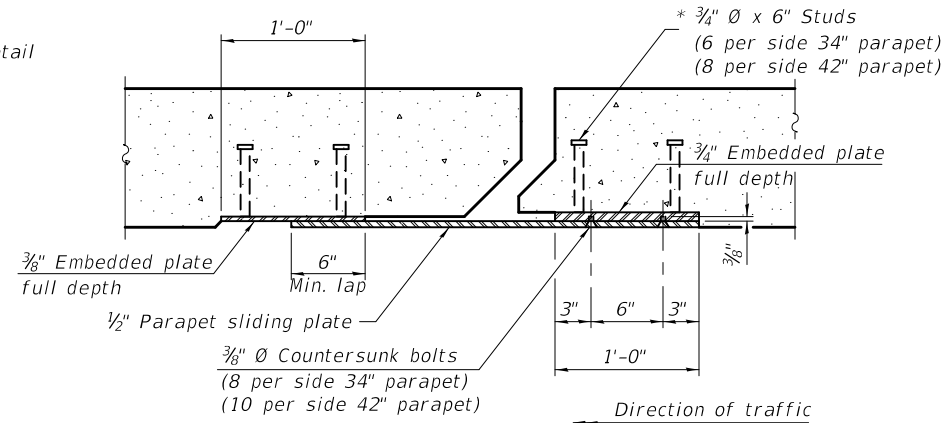


FOR SKEWS  $\leq 30^\circ$

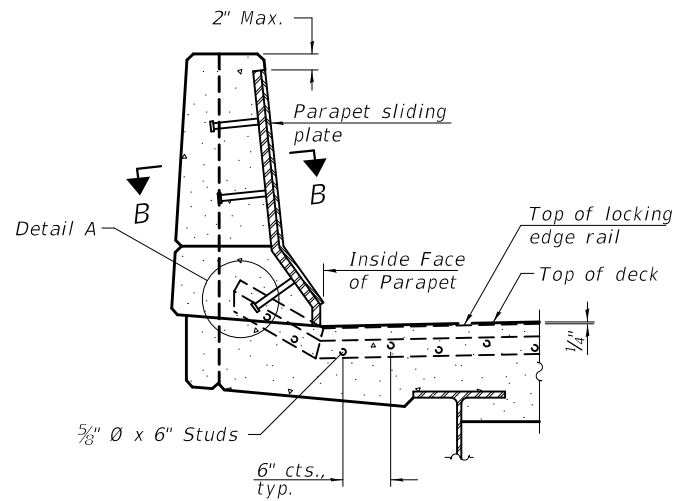
PLAN AT PARAPET



FOR SKEWS  $> 30^\circ$

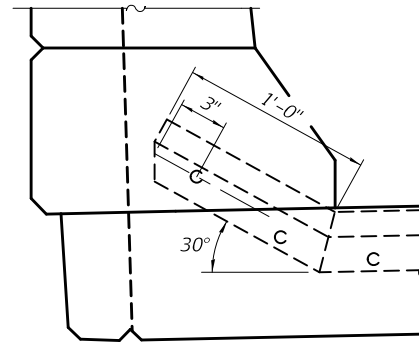


SECTION B-B

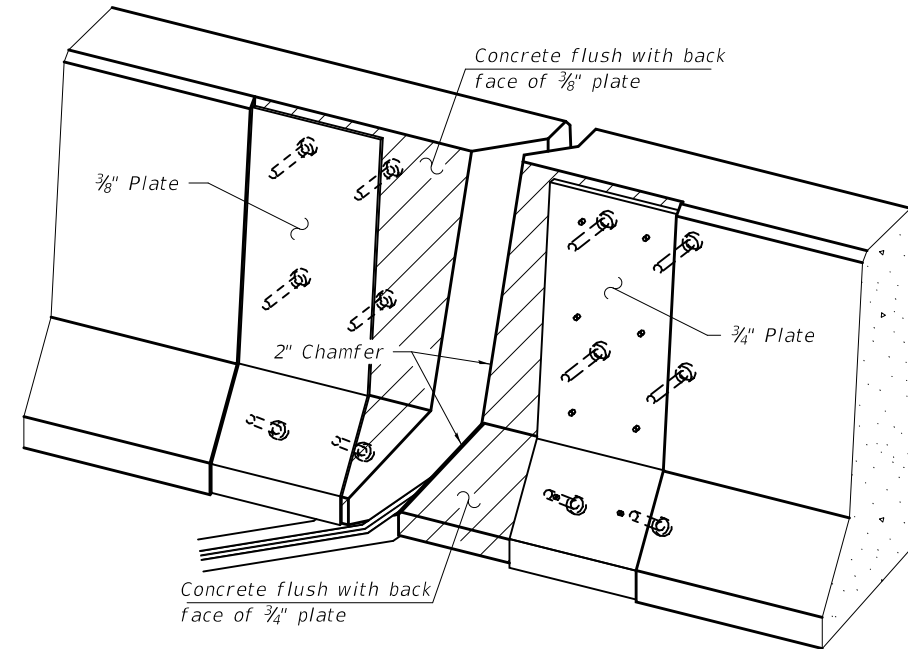


ELEVATION AT PARAPET

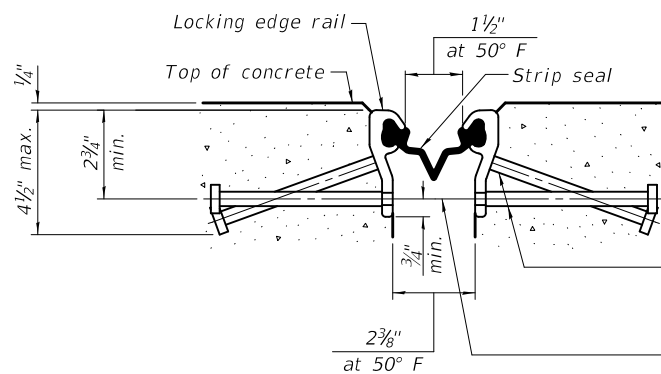
(Skews  $> 30^\circ$  shown. Skews  $\leq 30^\circ$  similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW  
(Showing embedded plates only)



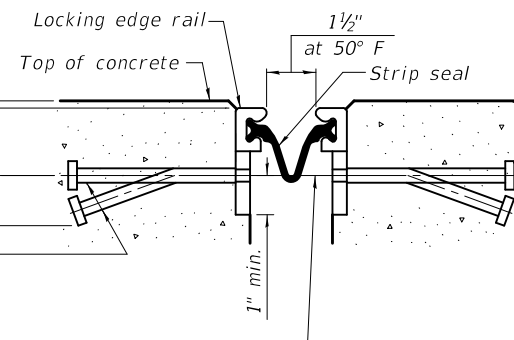
SHOWING ROLLED RAIL JOINT

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

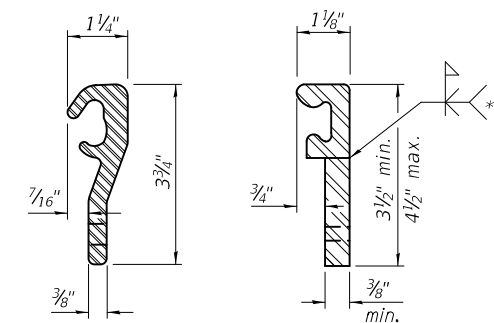
$3/8"$  Ø threaded rods in  $7/16"$  Ø holes at  $\pm 4'-0"$  cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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



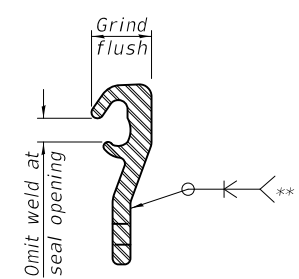
SHOWING WELDED RAIL JOINT



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  
PASSED

Timothy A. Daulton  
ENGINEER OF STRUCTURAL SERVICES  
Carl Ringer  
ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 19, 2019

REVISED -  
REVISED -

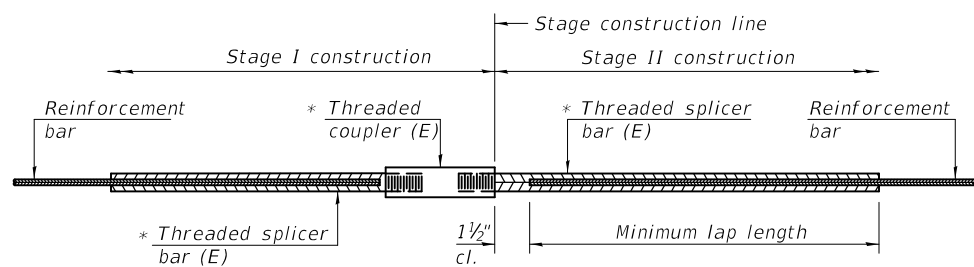
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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



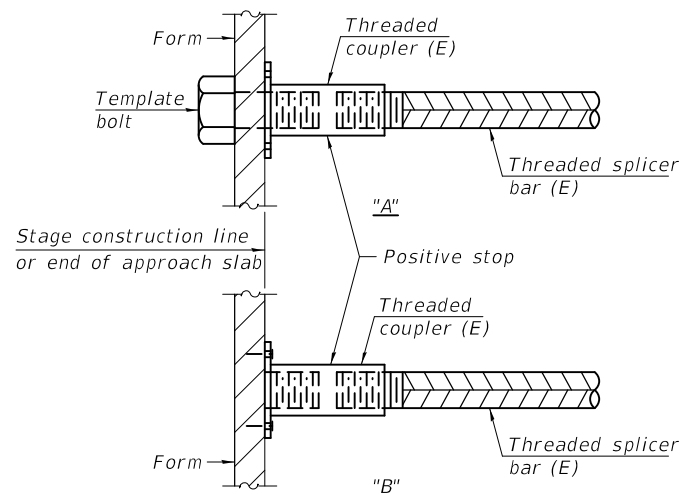


**STANDARD BAR SPLICER ASSEMBLY**

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

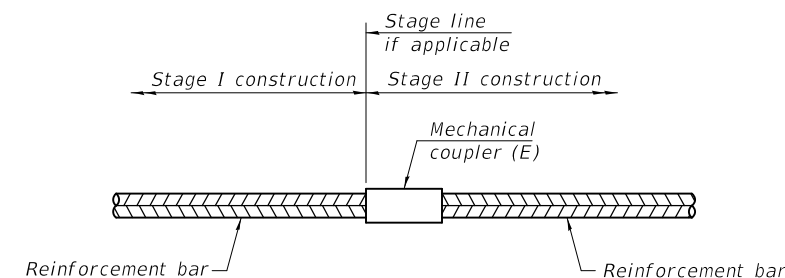
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

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"



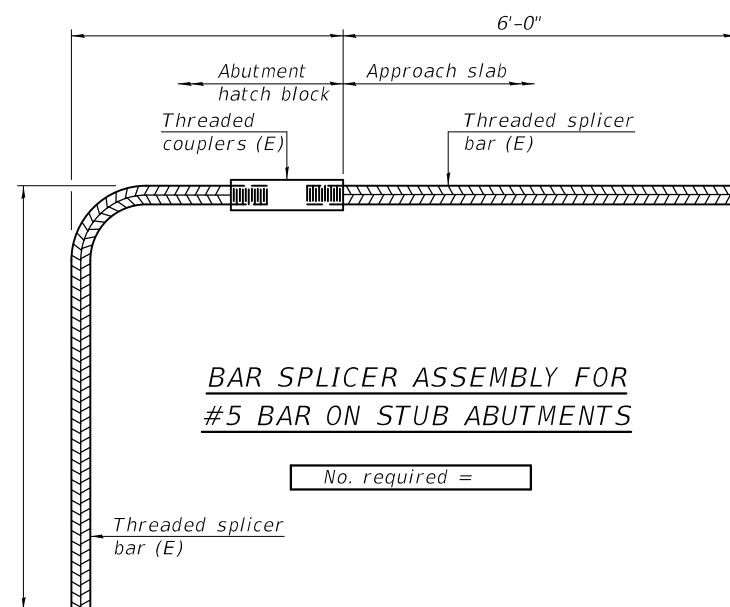
**INSTALLATION AND SETTING METHODS**

"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**

No. required =

**NOTES**

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

BSD-1

2-17-2017

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

EXAMINED  
 PASSED

Timothy A. Daburdell  
 ENGINEER OF STRUCTURAL SERVICES  
 Carl R. Berger  
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 19, 2019  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

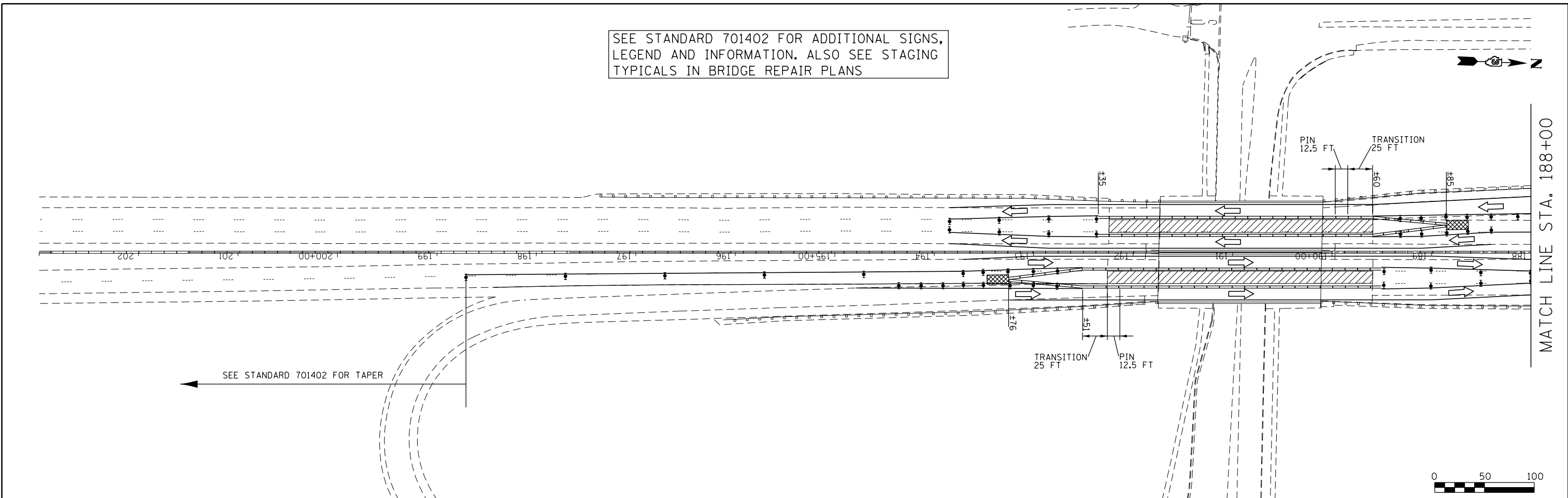
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
 SN 046-0006 (NB) & 0007 (SB)

SHEET NO. 8 OF 8 SHEETS

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

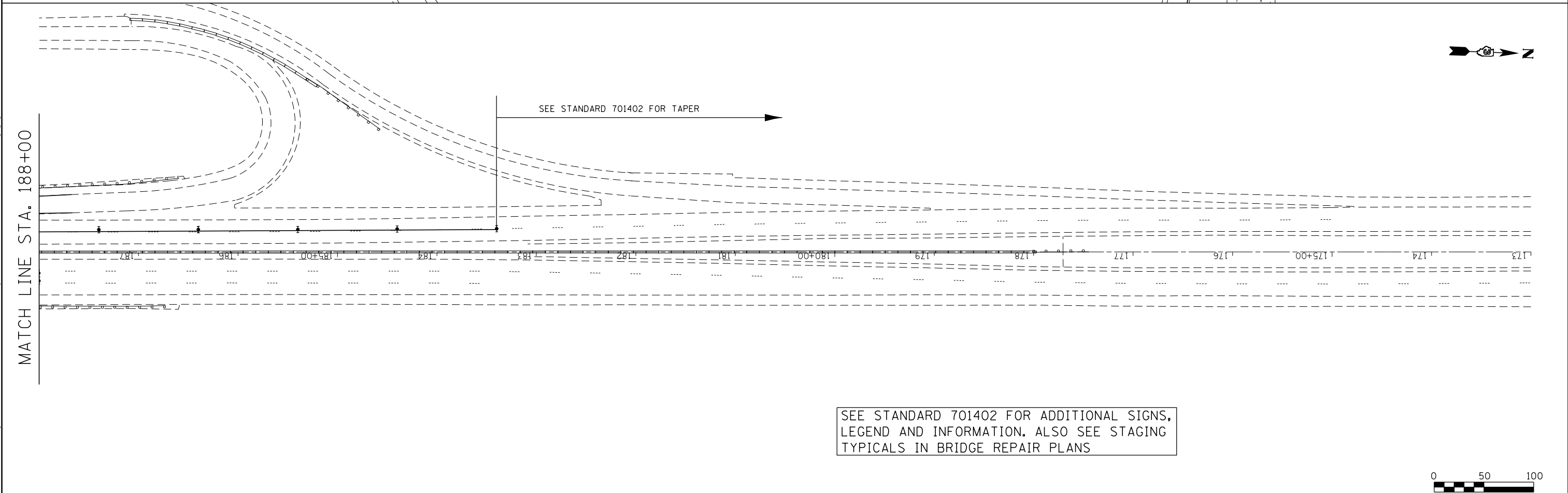


SEE STANDARD 701402 FOR ADDITIONAL SIGNS,  
LEGEND AND INFORMATION. ALSO SEE STAGING  
TYPICALS IN BRIDGE REPAIR PLANS



SEE STANDARD 701402 FOR TAPER

MATCH LINE STA. 188+00



SEE STANDARD 701402 FOR TAPER

MATCH LINE STA. 188+00

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

MODEL: Default  
FILE: h:\mhc\proj\ul848\EBID\NTEC\Illinois\proj\RID\DOT\Documents\188DOT\Office\188\188.dwg

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

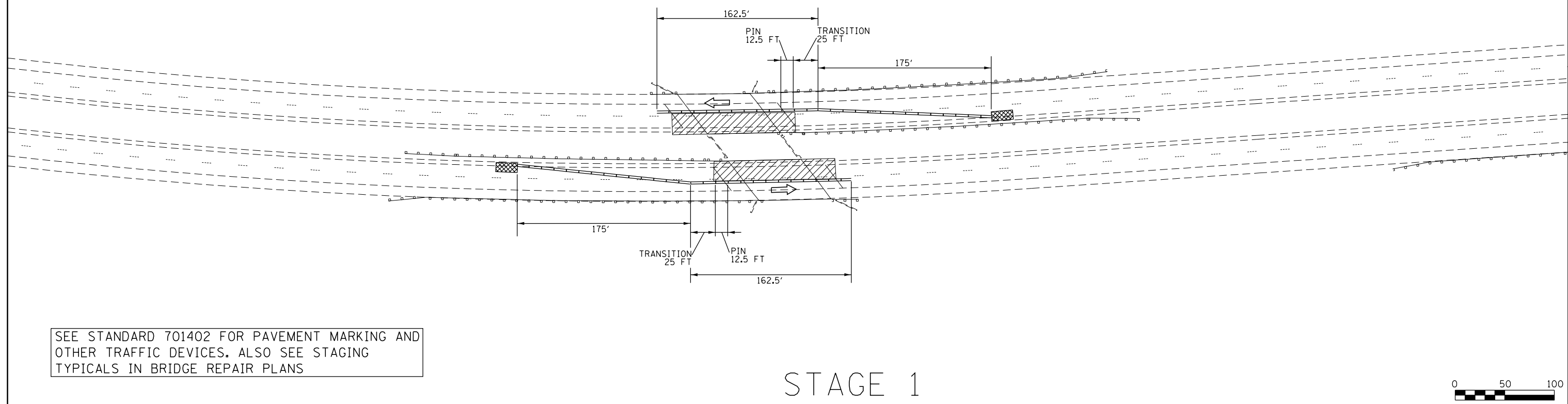
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

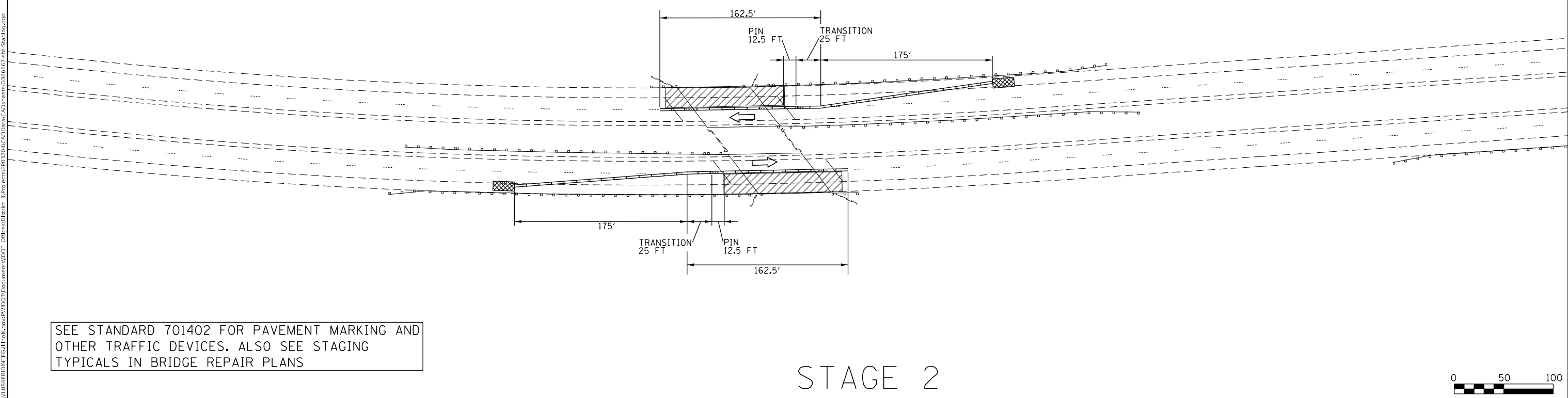
F.A.I. RTE. 57	SECTION (46-2,46-3)RS & I	COUNTY KANKAKEE	TOTAL SHEETS 76	SHEET NO. 59
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

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





STAGE 1



STAGE 2

MODEL: Default  
FILE: \\mhc-pw\ulb\B&E\ID\NTEC\Illinois\pwr\RID\DOT\Documents\1\DOT Office\1\Dir\ct 3\Project\66667\66667-Sub\Ings.dgn

SEE STANDARD 701402 FOR PAVEMENT MARKING AND OTHER TRAFFIC DEVICES. ALSO SEE STAGING TYPICALS IN BRIDGE REPAIR PLANS

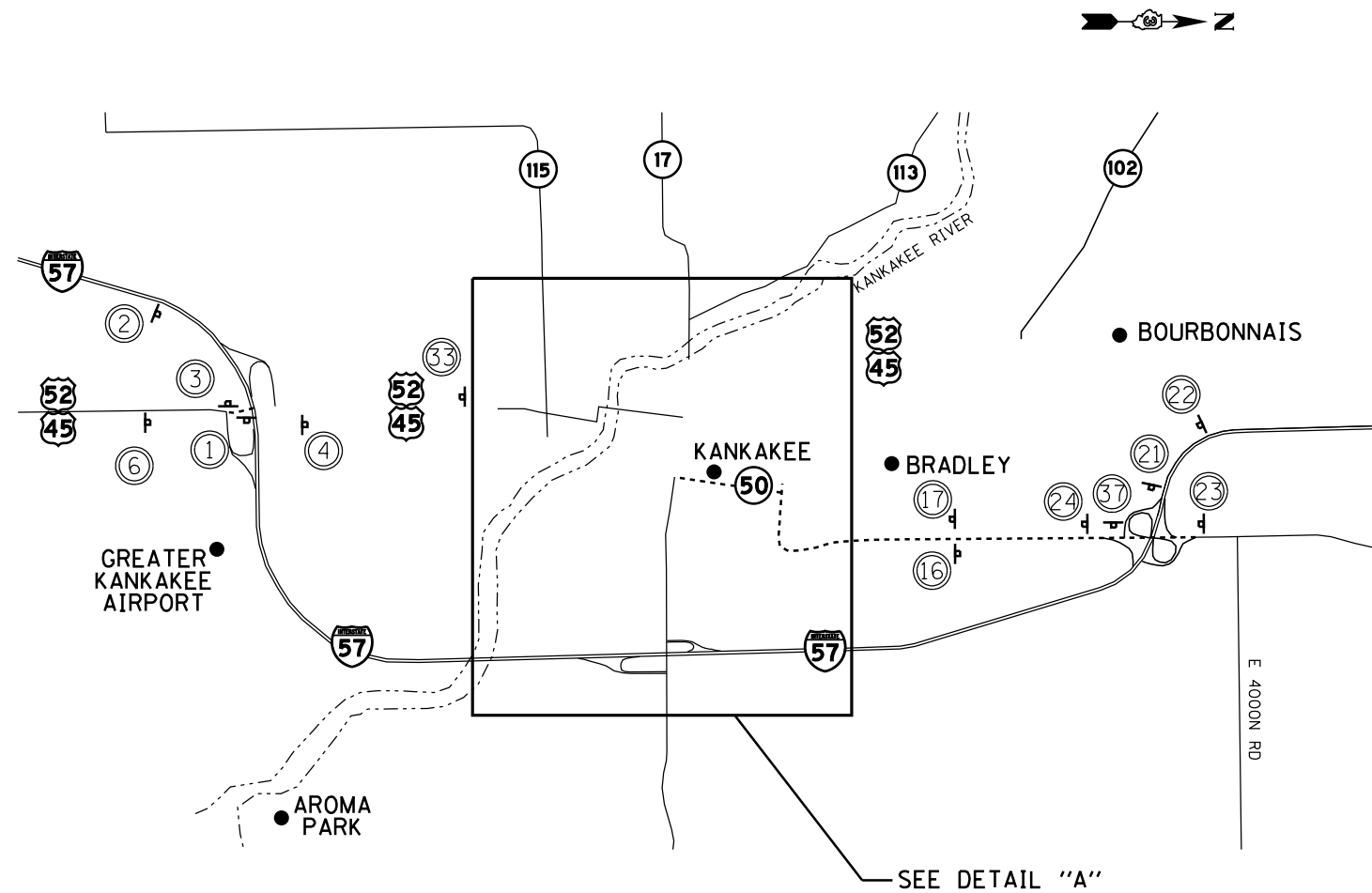
USER NAME = carpenterj	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

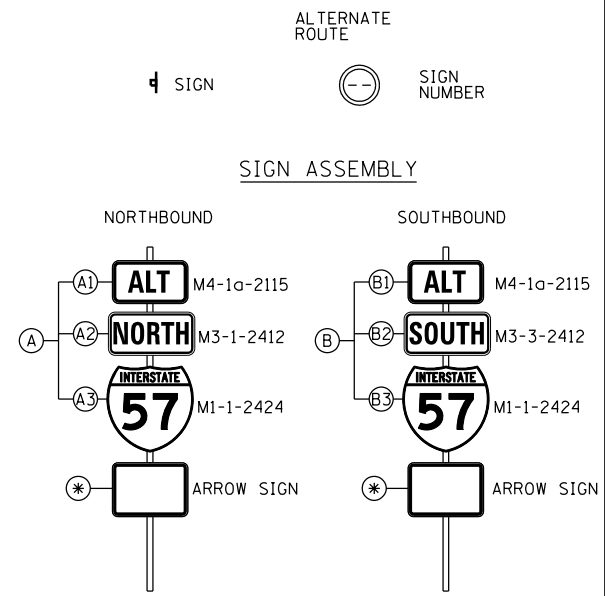
SUGGESTED TRAFFIC STAGING  
SN 046-0012 & SN 046-0013

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

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

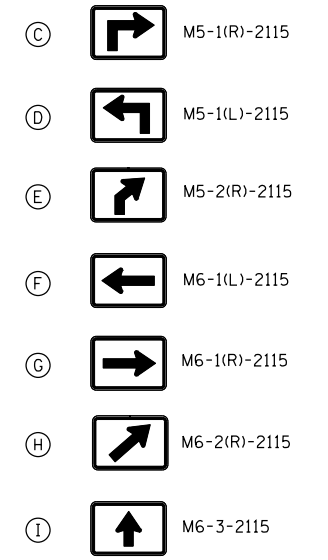


**ALTERNATE ROUTE SIGNS:**  
 ALTERNATE ROUTE FOR I-57 DURING CONSTRUCTION UTILIZES US 45/52, IL 17 AND IL 50.  
 THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE THE SIGNING FOR THE ALTERNATE ROUTE.  
 TWO EXTRA MESSAGE BOARDS ON I-57 AS OUTLINED IN THE SPECIAL PROVISIONS SHALL DISPLAY THE 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**



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



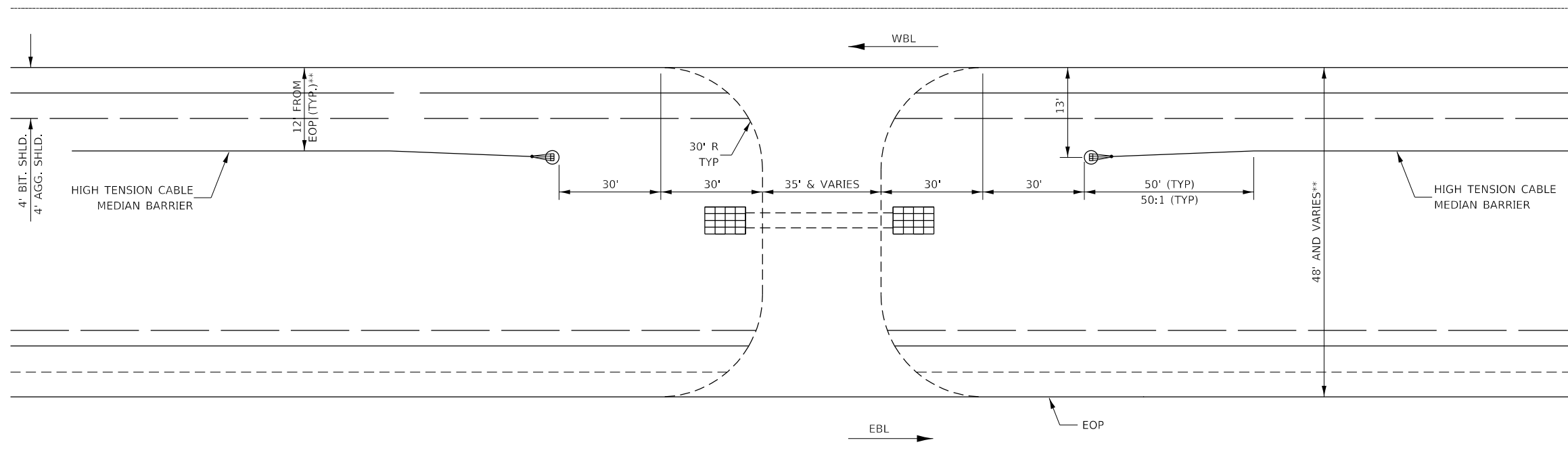
FILE NAME =	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\13368\Drawn\11.dgn		DRAWN - _____	REVISED - _____
Default	PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALTERNATE ROUTE PLAN  
DETAIL "A"**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	63
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				

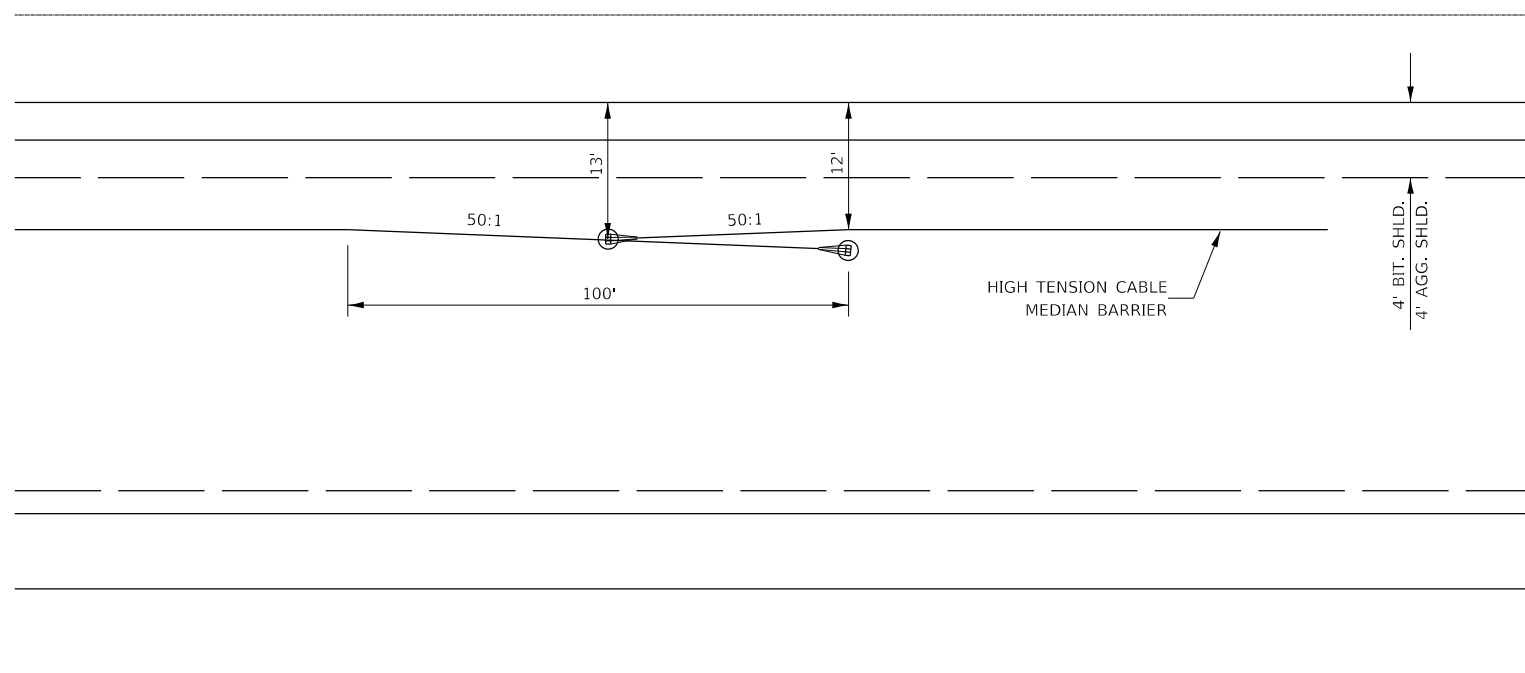


**MAINTENANCE CROSSOVERS**

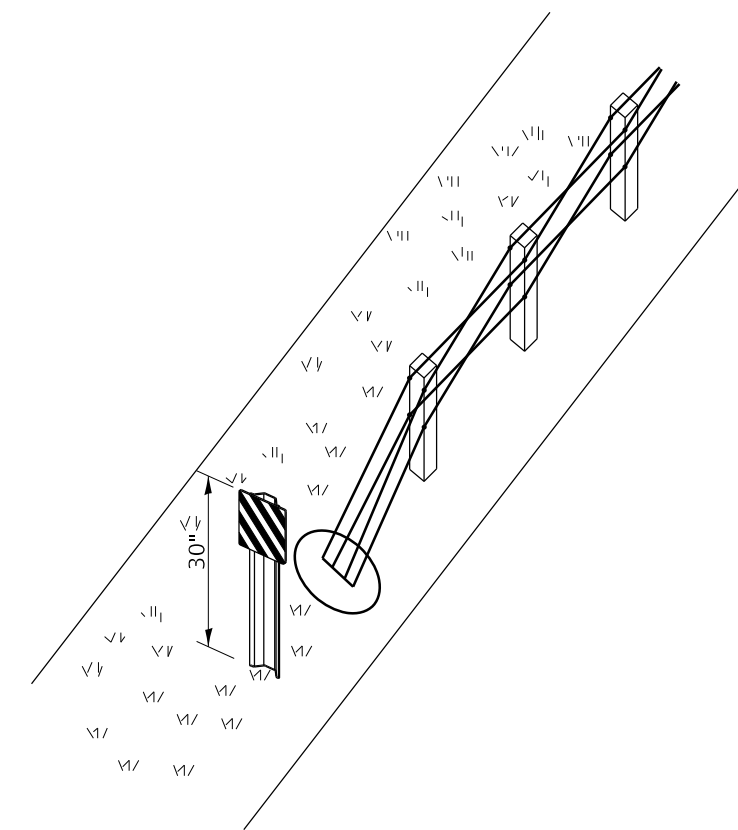
STA 533+97  
 STA 685+07  
 STA 790+23

**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

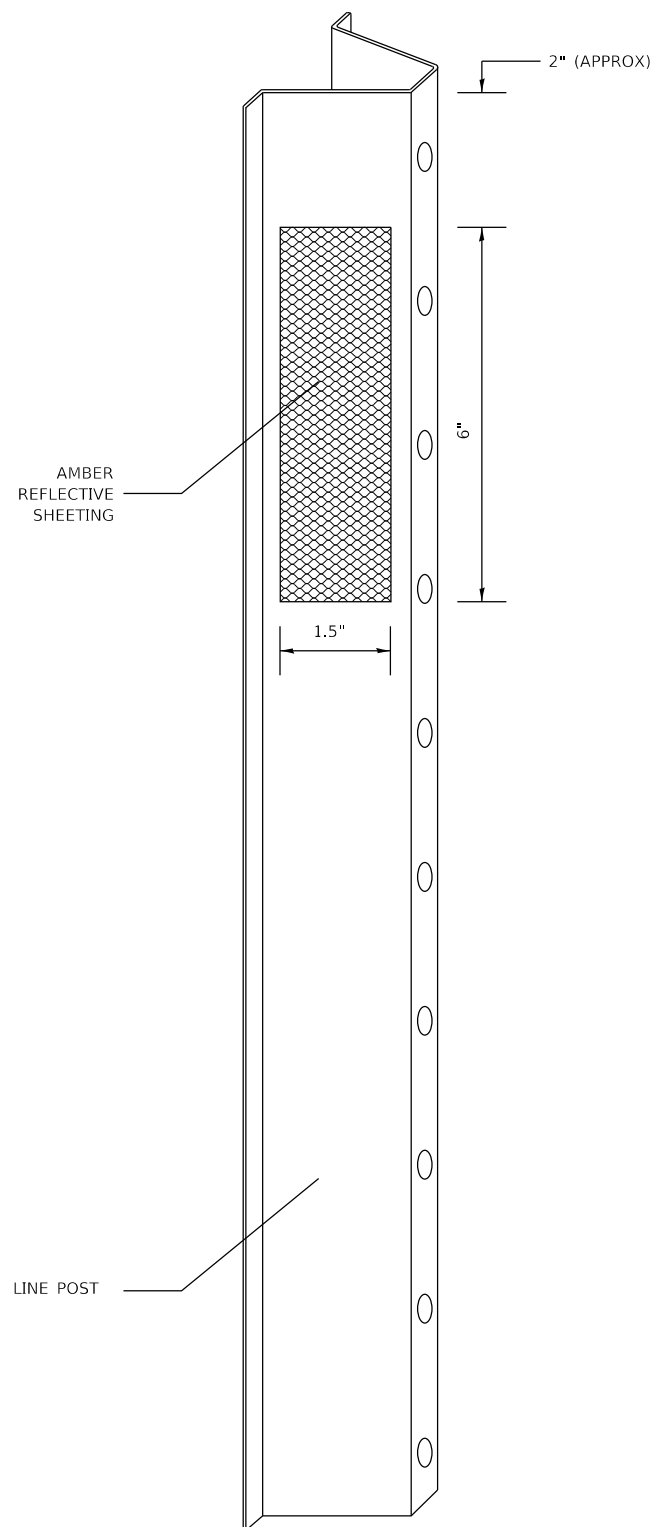
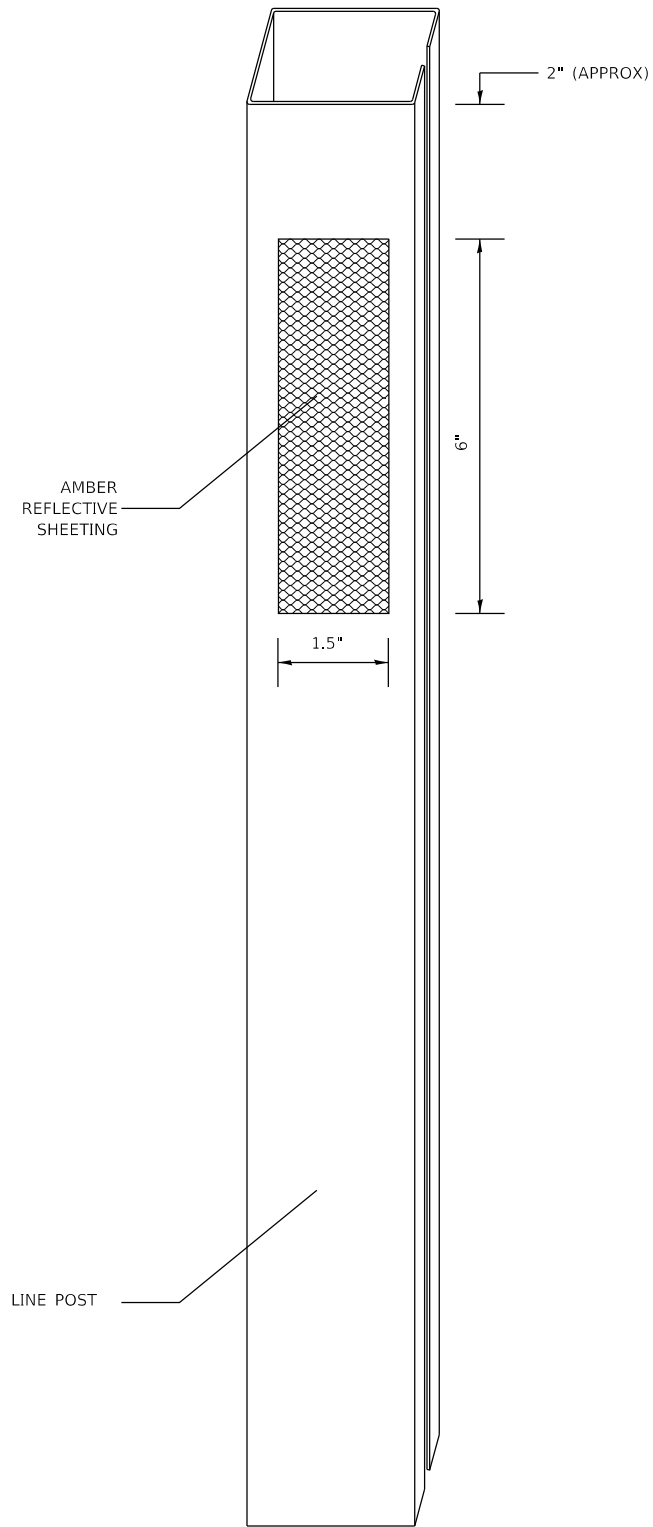
FILE NAME =	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\10366\DRAWN\1111.dgn		CHECKED - _____	REVISED - _____
Default	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>	
SCALE: _____	SHEET 1 OF 13 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	64
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				





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.

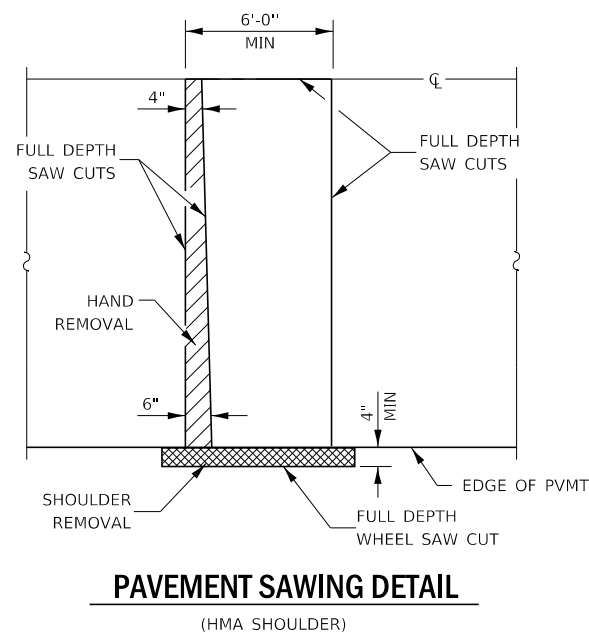
FILE NAME =	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____
p:\04\EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\1366\DRAWING.dgn		CHECKED - _____	REVISED - _____
Default	PLOT SCALE = 100,0000' / in.	DATE - _____	REVISED - _____
	PLOT DATE = 2/1/2019		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

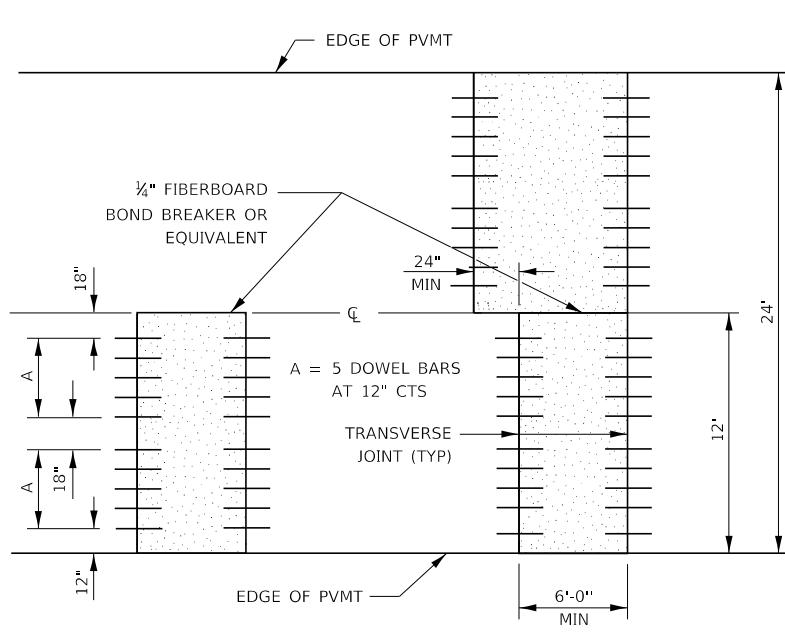
**DETAILS**

SCALE: \_\_\_\_\_ SHEET 2 OF 13 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

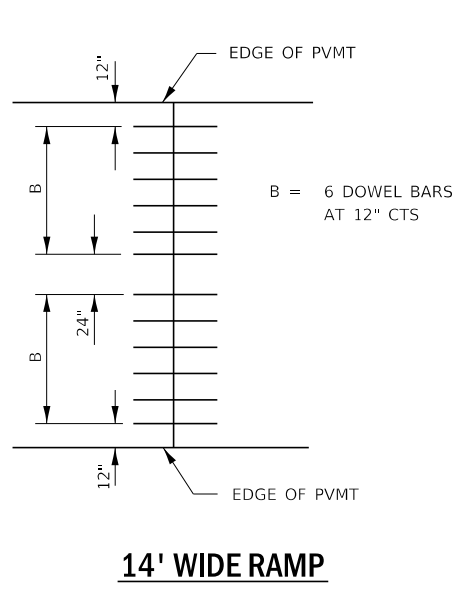
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	65
			CONTRACT NO. 66E67	
		ILLINOIS	FED. AID PROJECT	



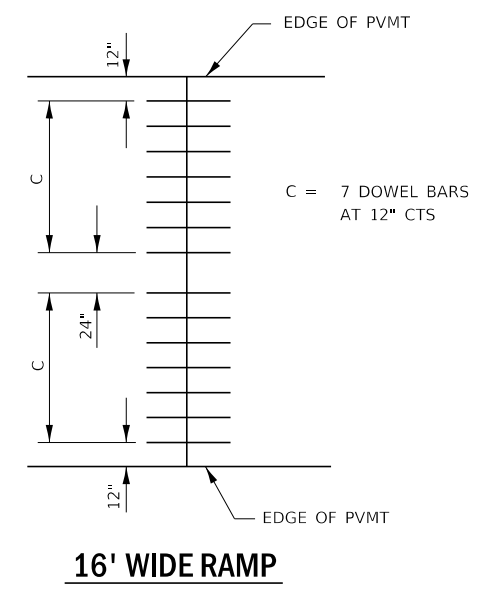
**PAVEMENT SAWING DETAIL**  
(HMA SHOULDER)



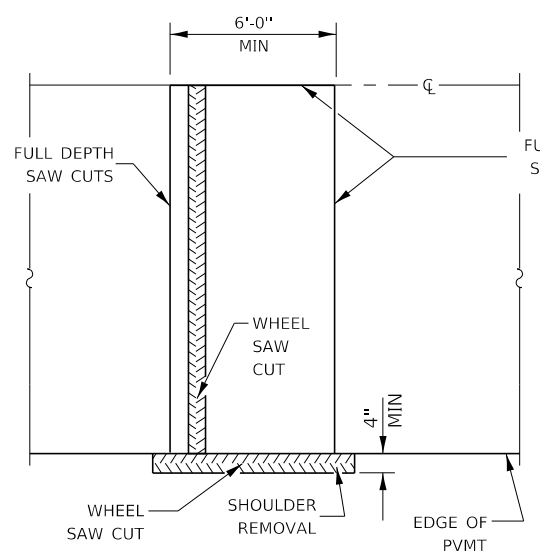
**12' WIDE LANES**



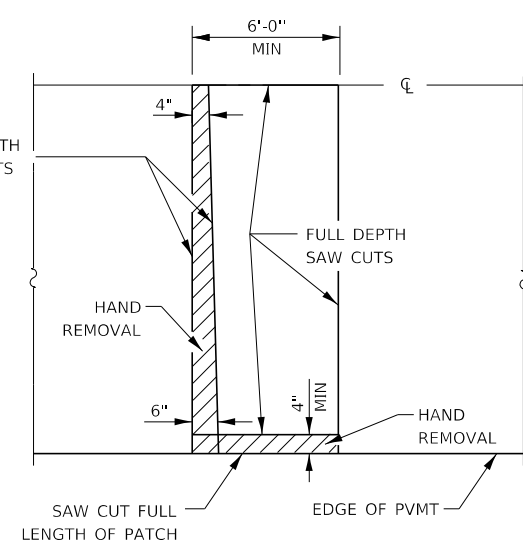
**14' WIDE RAMP**



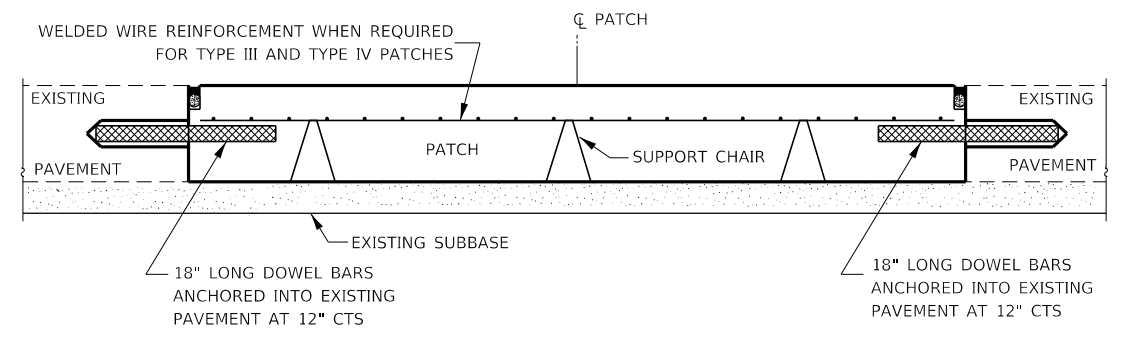
**16' WIDE RAMP**



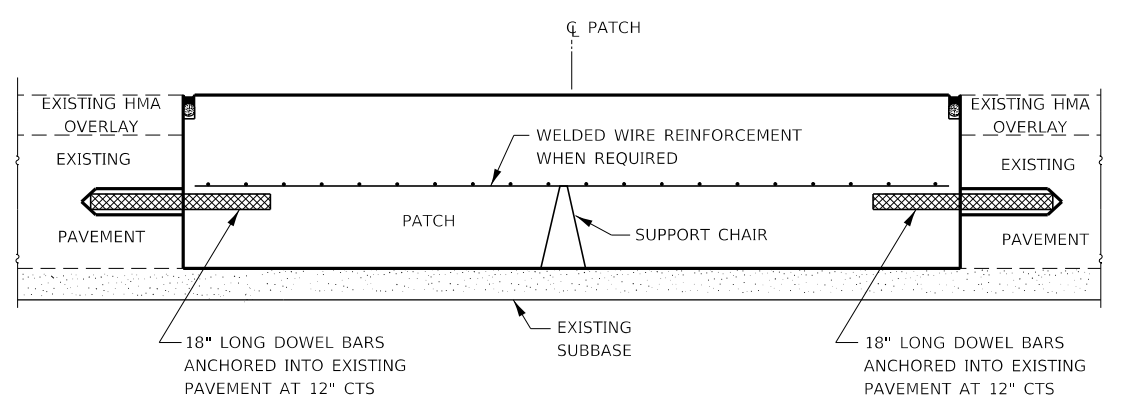
**ALTERNATE SAWING DETAIL**  
(HMA SHOULDER)



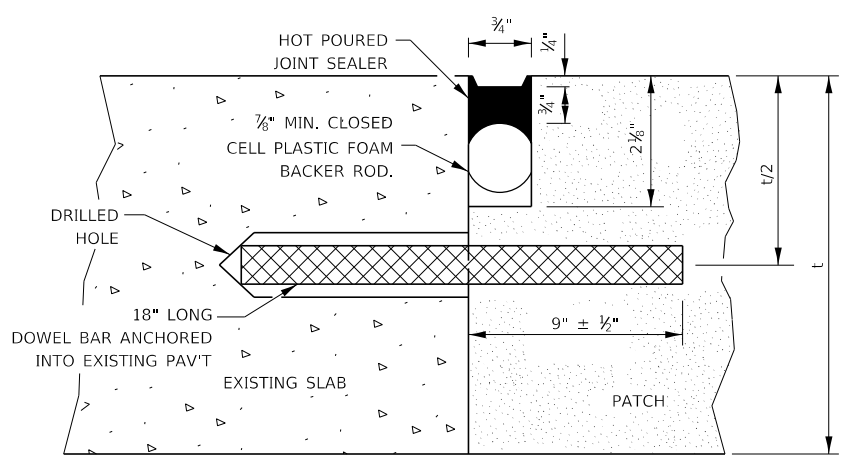
**PAVEMENT SAWING DETAIL**  
(PCC SHOULDER)



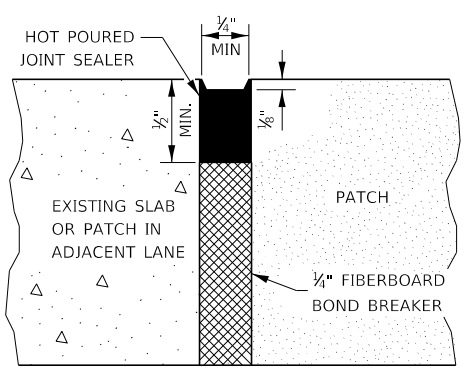
**PATCHING WITHOUT HMA OVERLAY**



**PATCHING WITH HMA OVERLAY**



**TRANSVERSE JOINT**

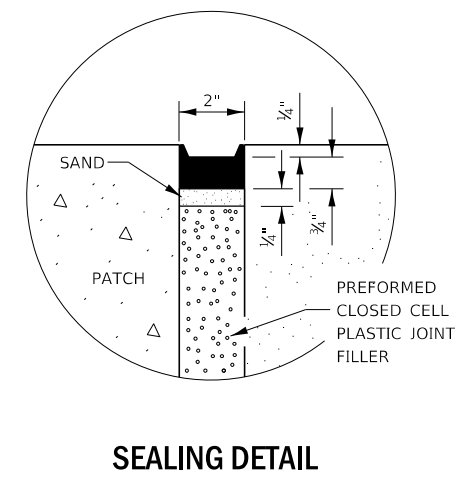
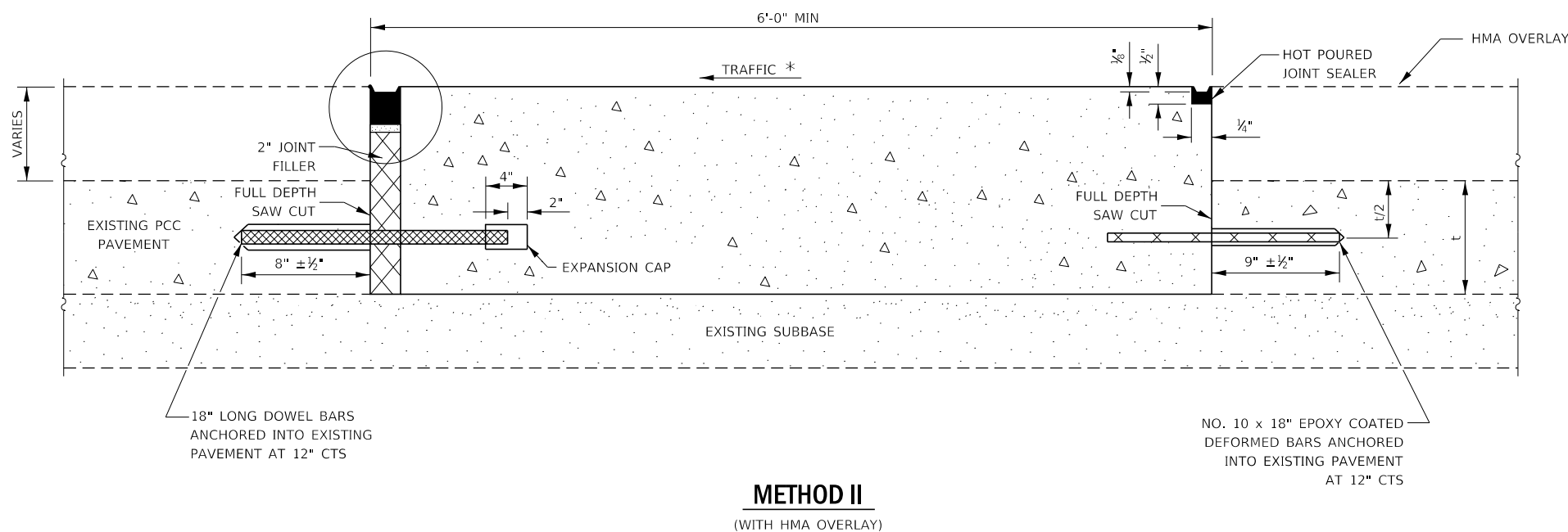
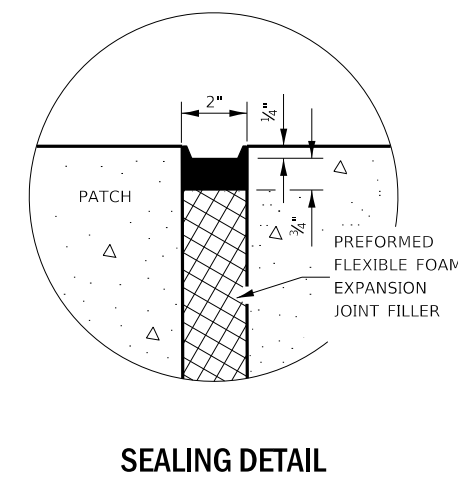
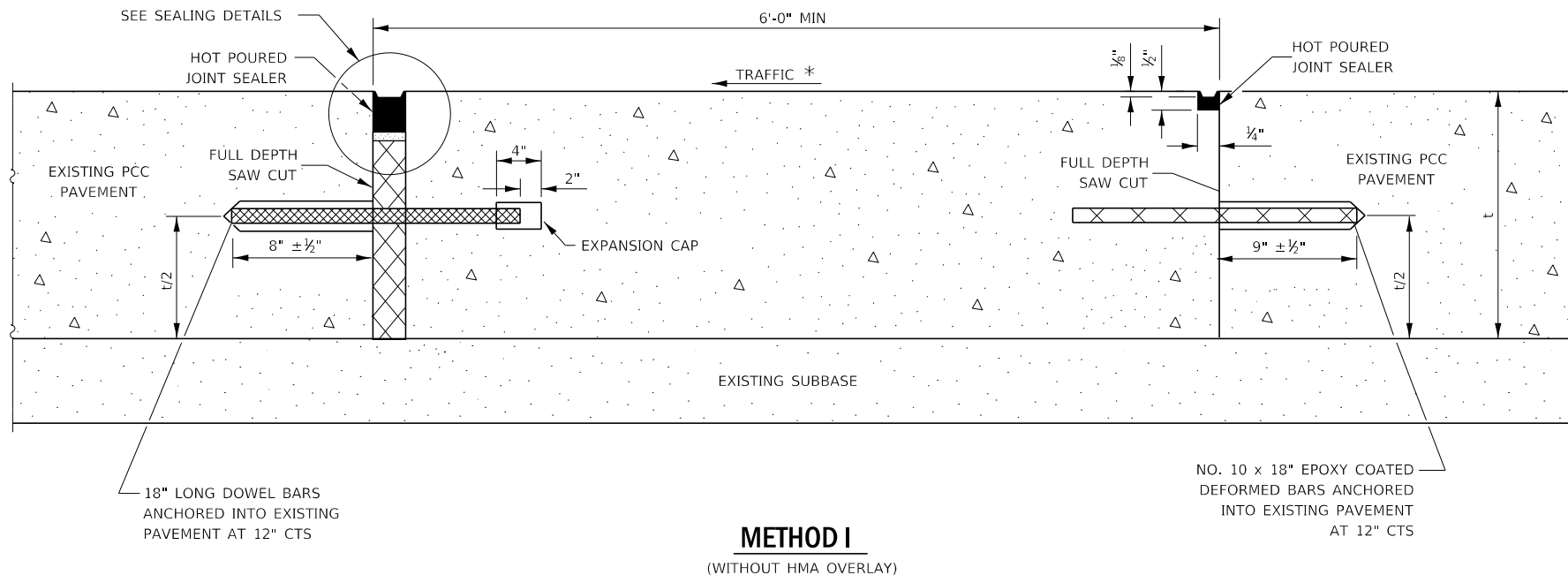


**CENTERLINE JOINT**

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 3/8"
7" THRU 7.99"	1 1/4"	1 3/16"
LESS THAN 7"	1"	1 3/16"

**GENERAL NOTES**

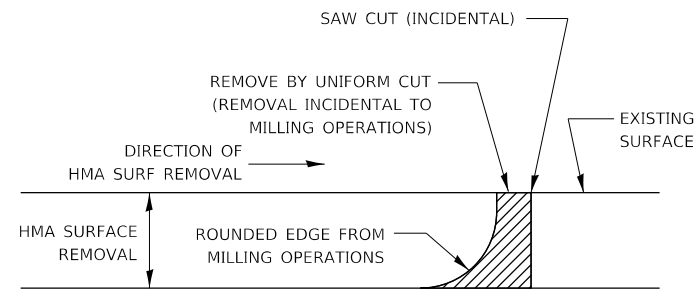
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.  
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



**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.

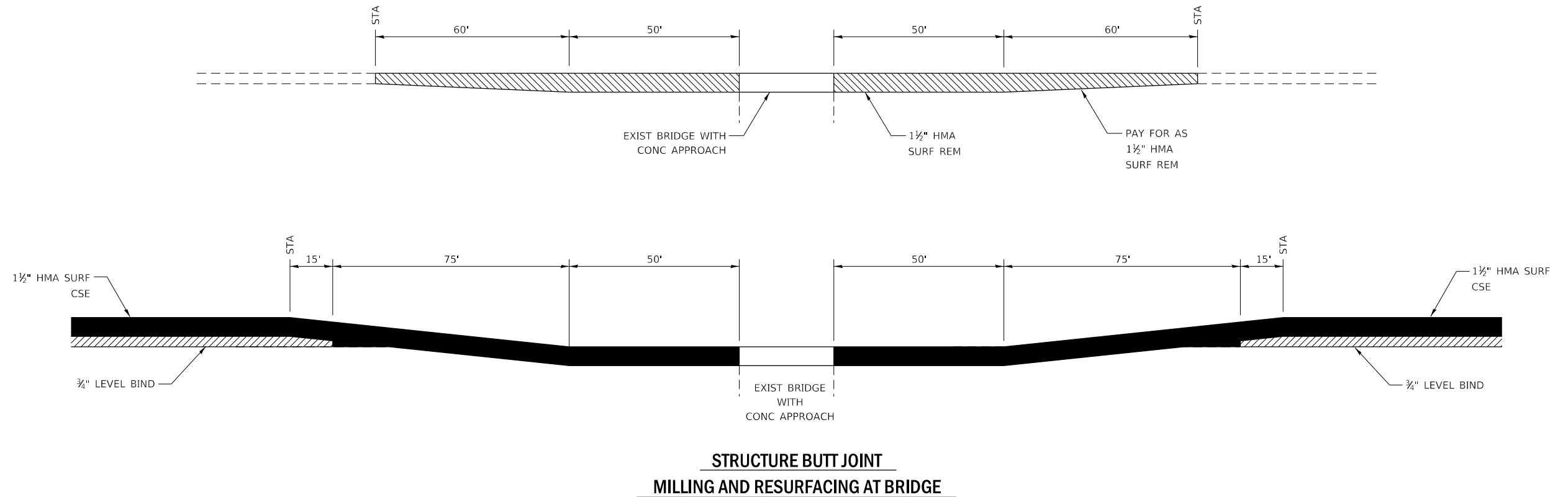
FILE NAME =	USER NAME = carpenterj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\1036\DRAWING.dgn		CHECKED -	REVISED -			57	(46-2,46-3)RS-3 & I	KANKAKEE	76	67	
Default		DATE -	REVISED -			CONTRACT NO. 66E67					
	PLOT SCALE = 100,0000' / in.					SCALE: _____	SHEET 4 OF 13 SHEETS	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT	



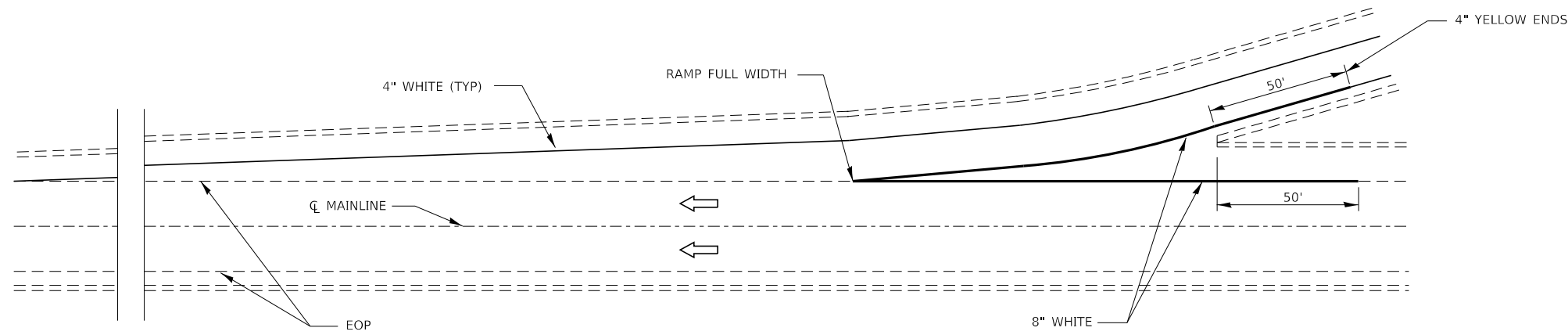
**NOTE:**

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

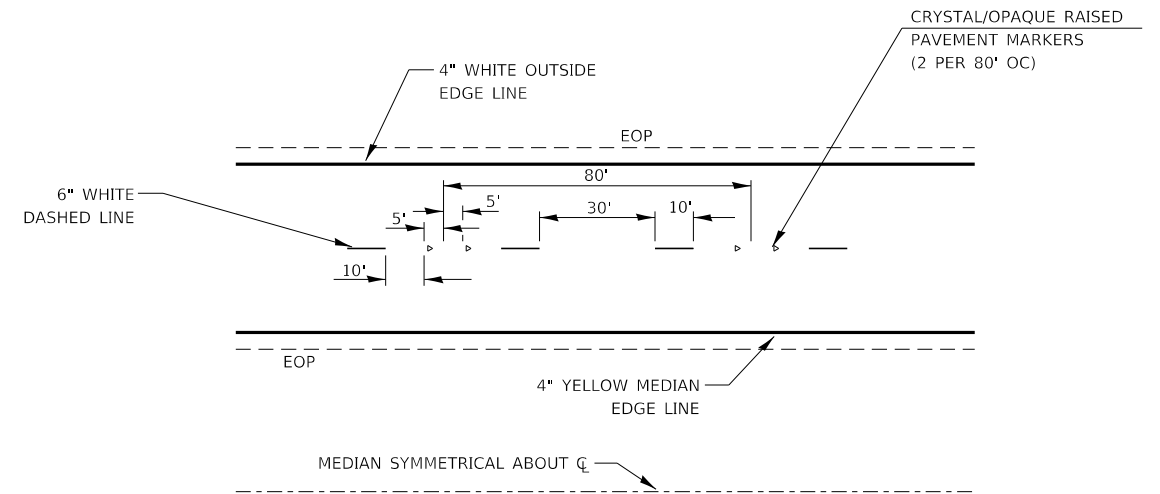
**HMA DETAIL AT BUTT JOINTS**



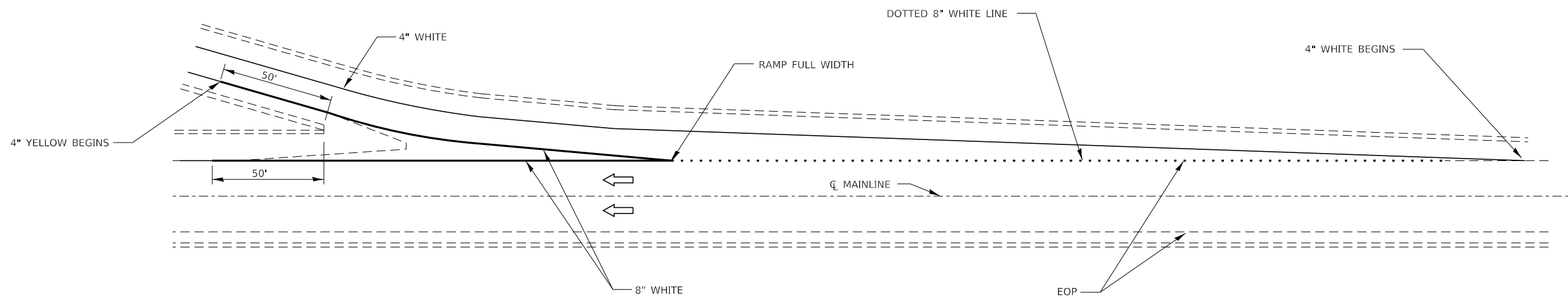
FILE NAME =	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL04EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\13366\DRAWING.dgn	PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____			57	(46-2,46-3)RS-3 & I	KANKAKEE	76	68	
Default	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____			CONTRACT NO. 66E67					
						SCALE: _____	SHEET 5 OF 13 SHEETS	STA. _____	TO STA. _____	ILLINOIS FED. AID PROJECT	



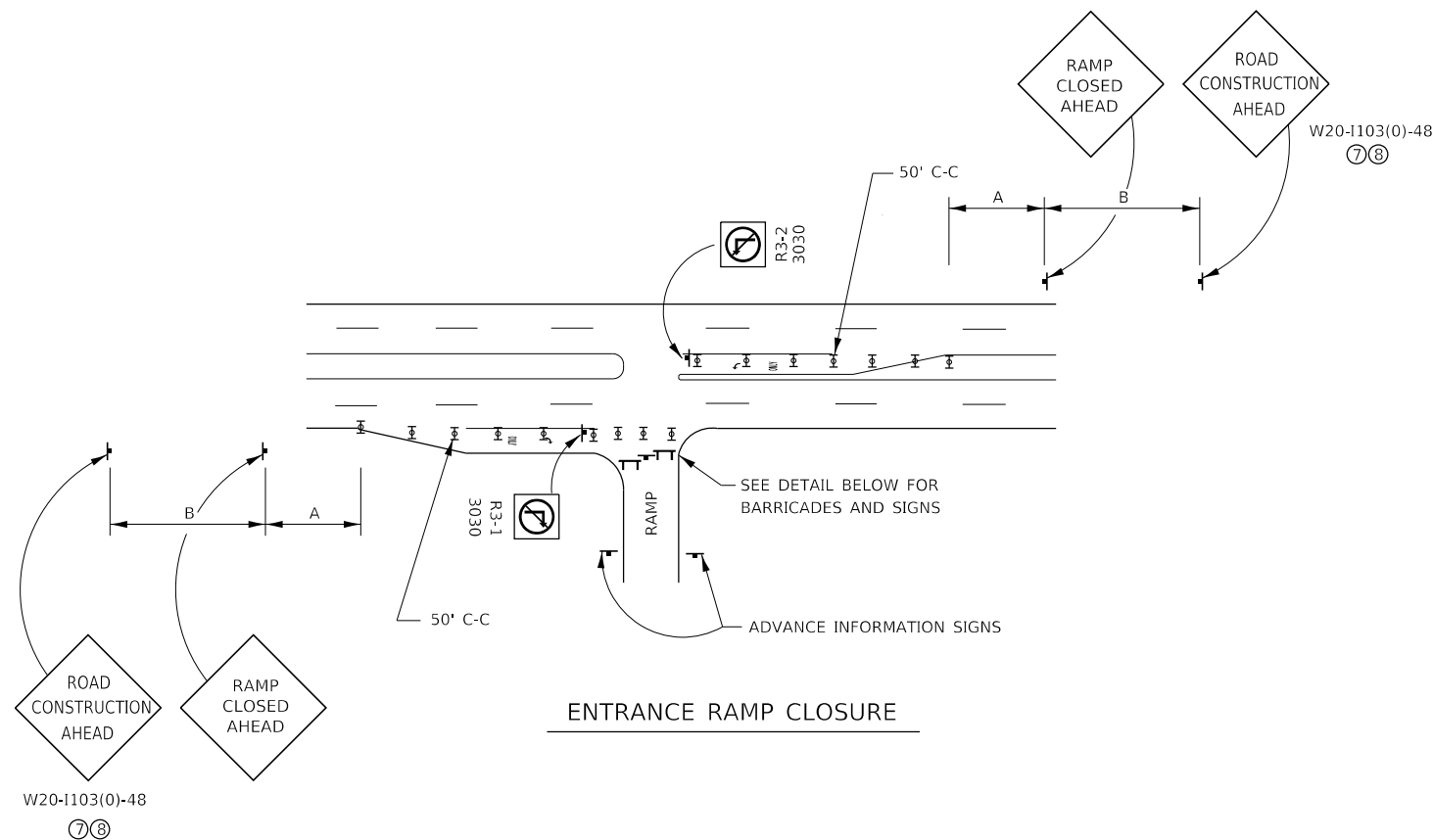
**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**



**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

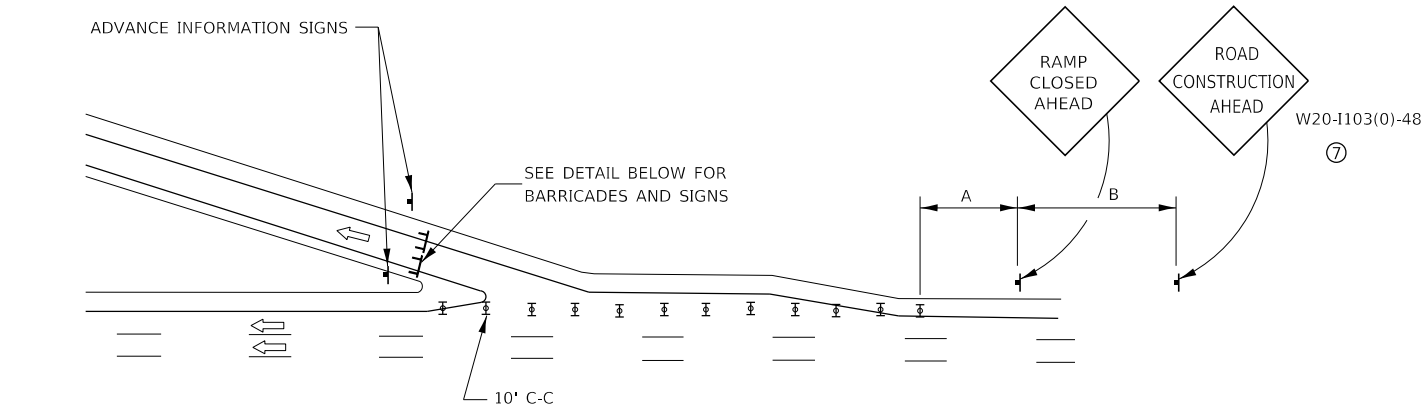


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000'	1500'
EXPRESSWAY ≤24 HOURS	500'	500'
ARTERIAL ≥45 MPH	350'	350'
ARTERIAL <45 MPH	150'	150'

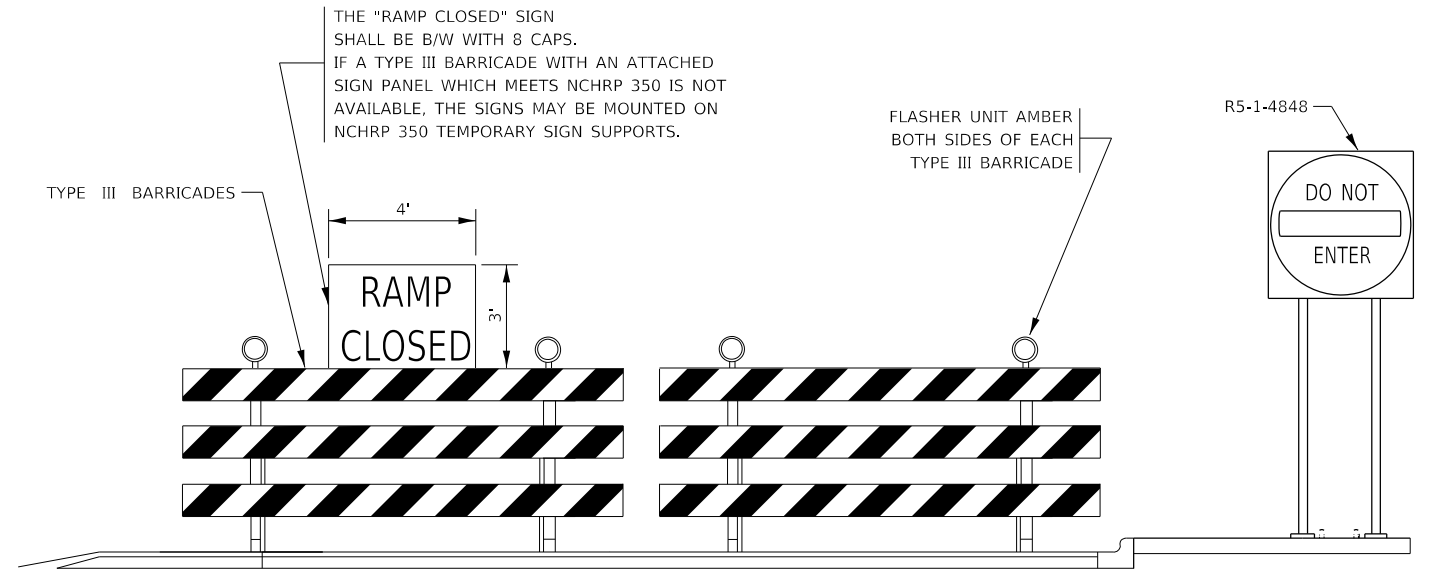
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

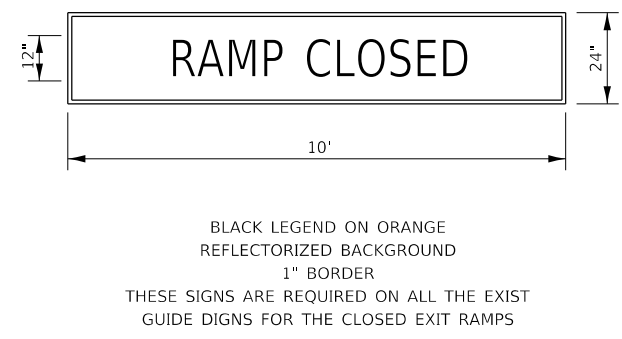
**SYMBOLS**

- ☺ DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ☒ TYPE III BARRICADE WITH FLASHING LIGHT

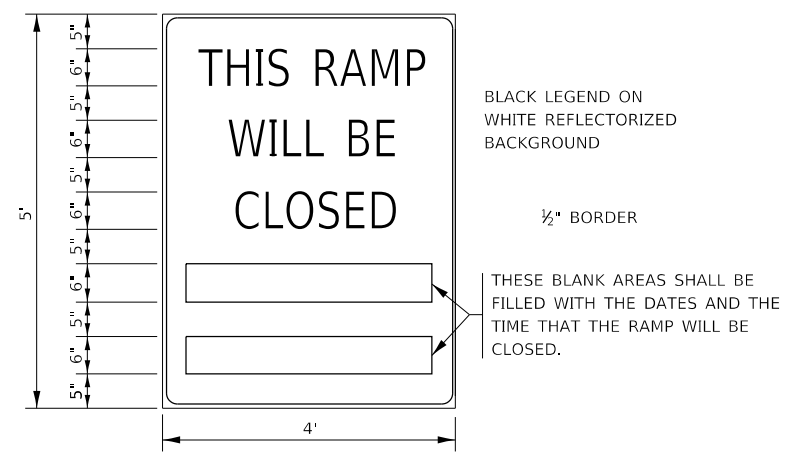


DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



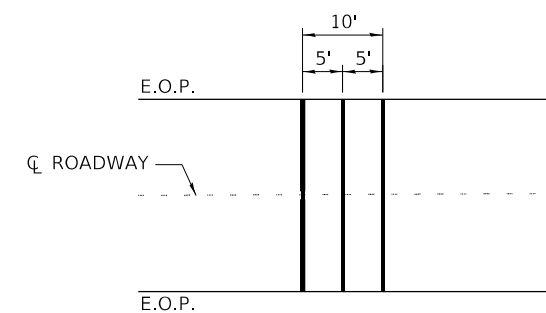
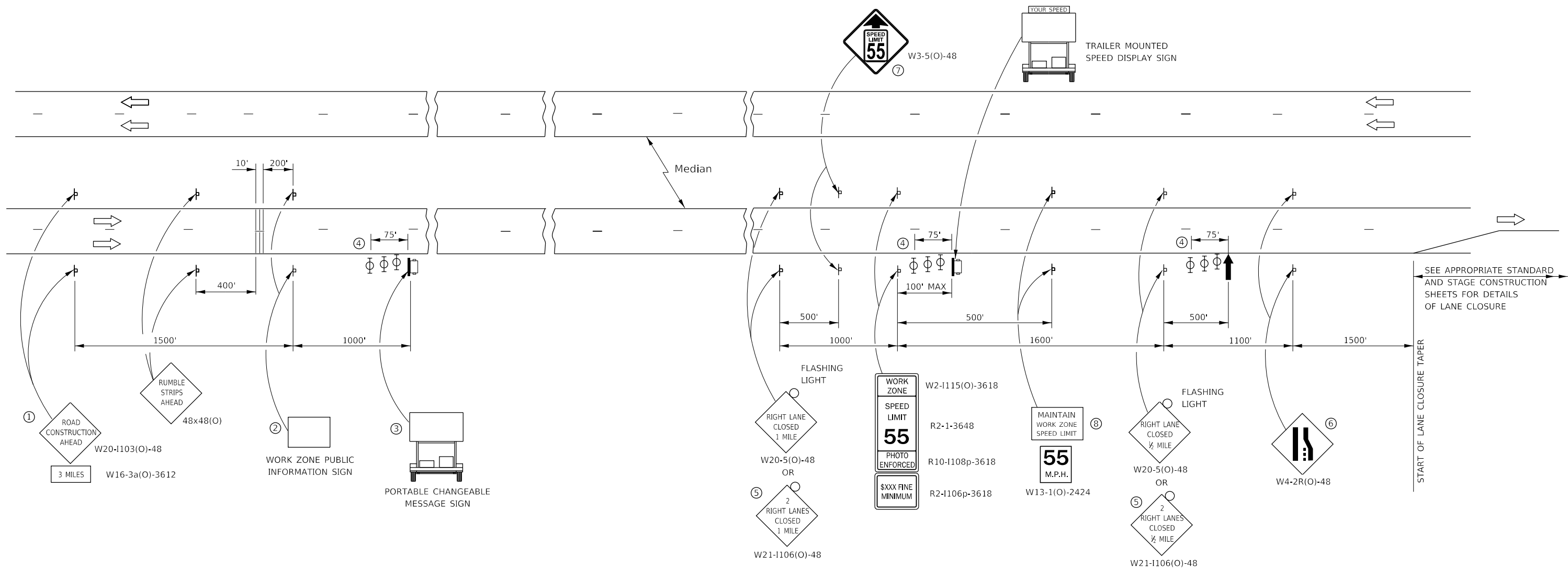
RAMP CLOSURE ADVANCE INFORMATION SIGN



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

**GENERAL NOTES:**

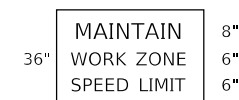
- ① STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ② A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ③ ALL ROUTE MARKERS AND SIGN ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ④ THE SIGNING AND BARRICADING WHICH 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.

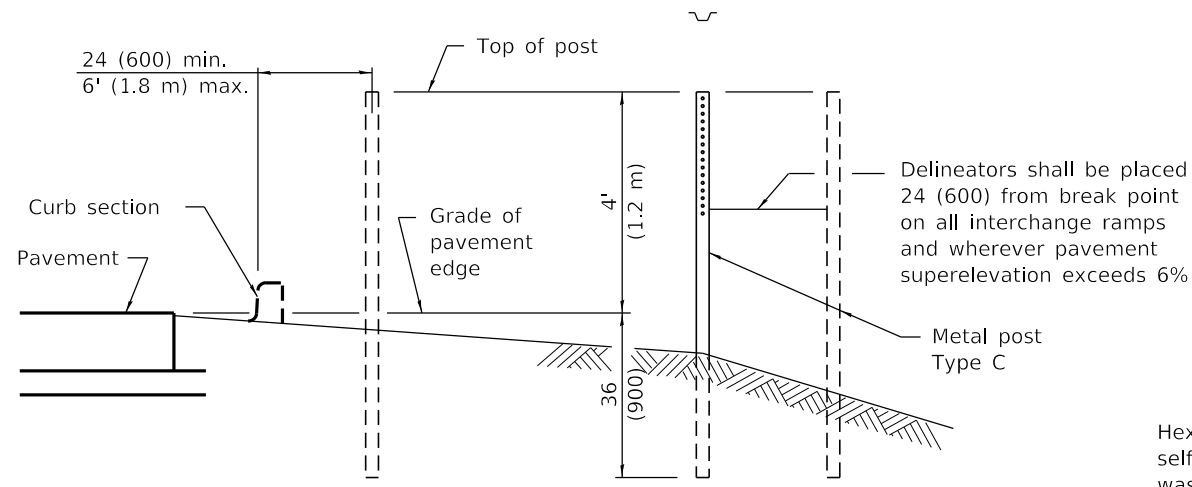
THE FIRST THREE SIGNS, RUMBLE STRIPS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

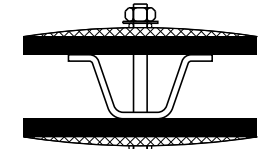
**SPACING FOR DELINEATORS  
ON HORIZONTAL CURVES**

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)

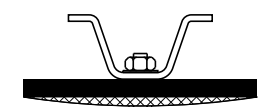


**SECTIONAL VIEW**

Hex head bolt with self locking nut and washer

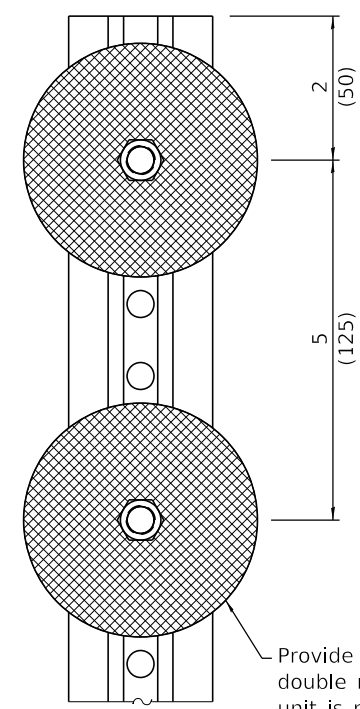


Two sided



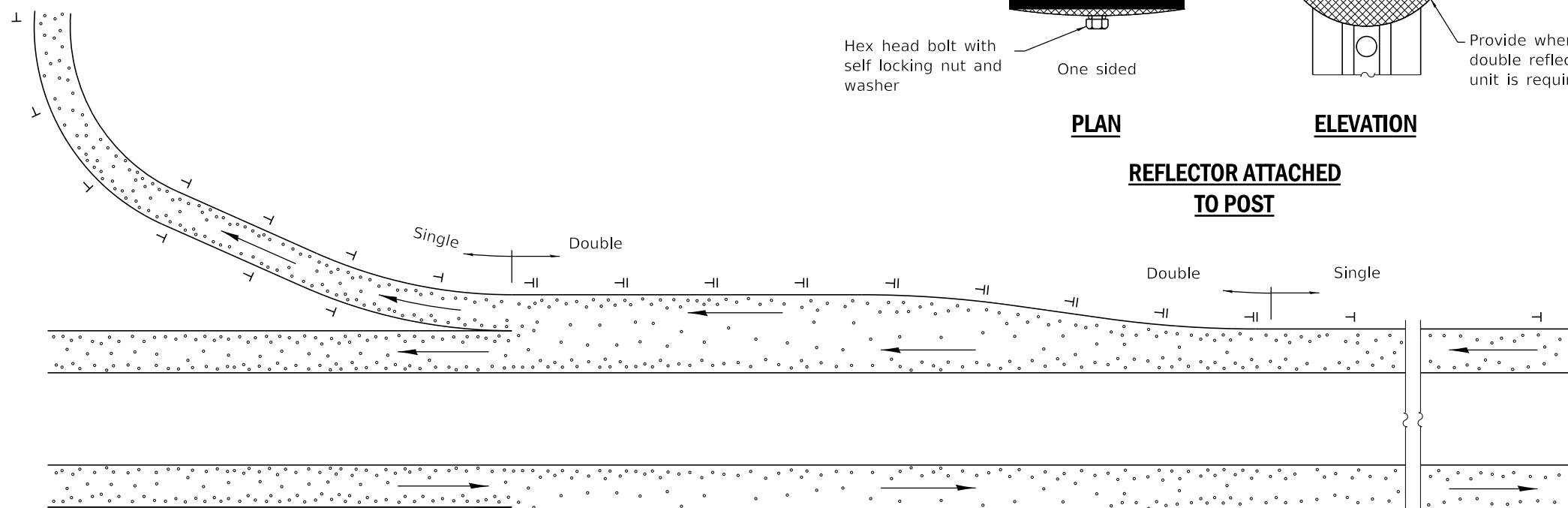
One sided

Hex head bolt with self locking nut and washer

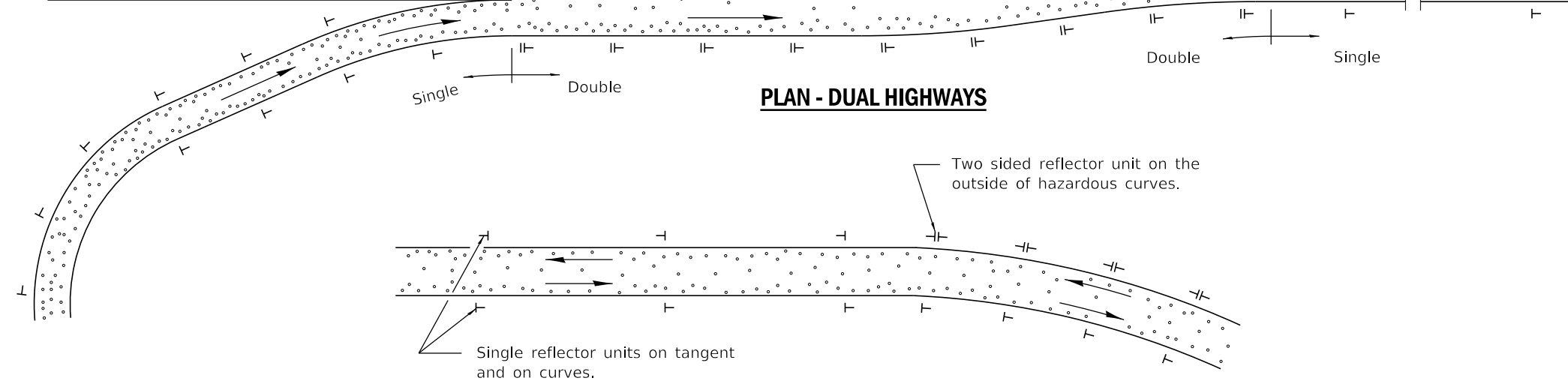


**ELEVATION**

**REFLECTOR ATTACHED TO POST**



**PLAN - DUAL HIGHWAYS**



**PLAN - TWO-WAY ROADWAYS**

**GENERAL NOTES**

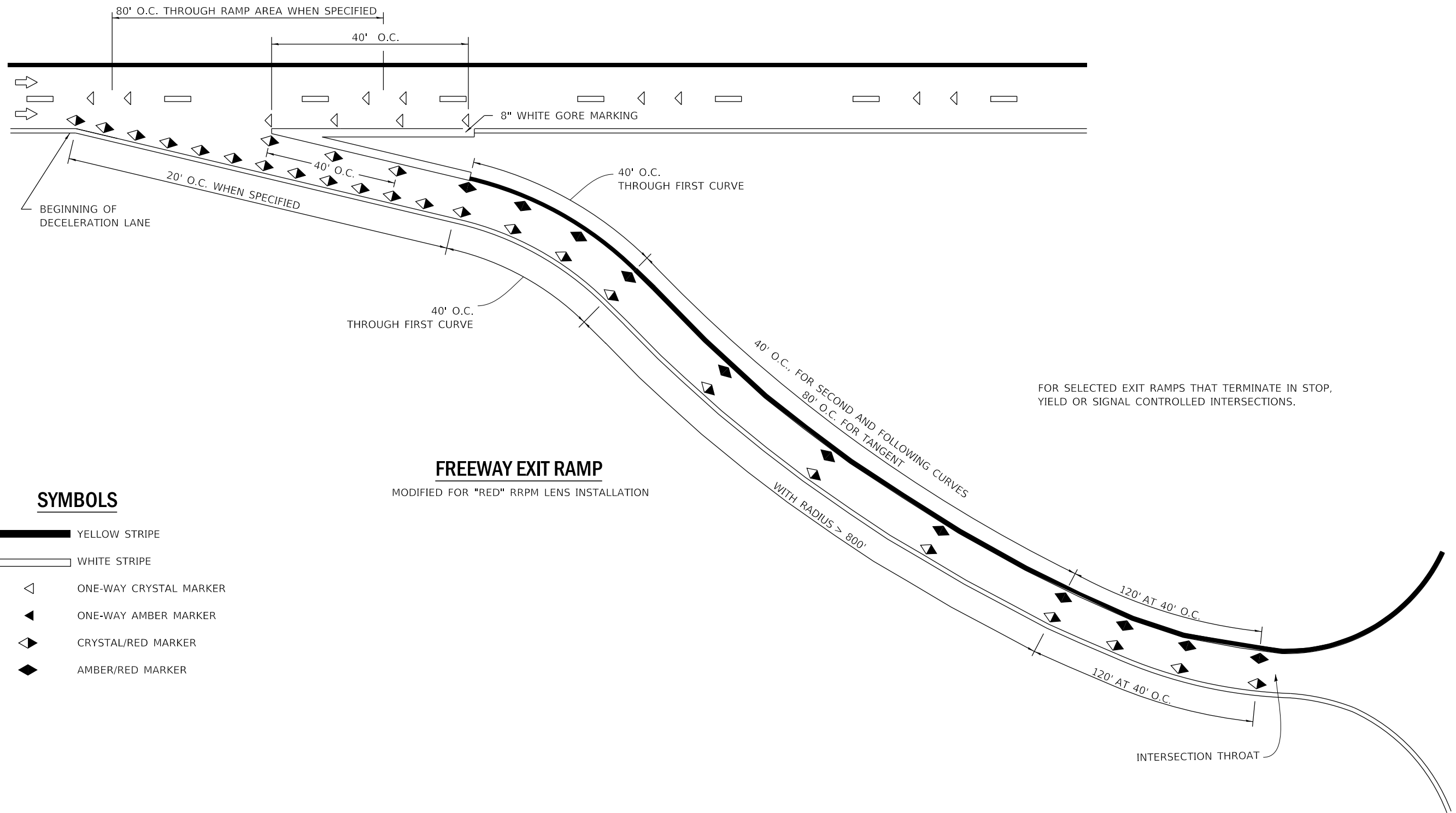
Delineators on tangent sections of main line roadways shall be placed at 400' (120 m) spacing. Delineators on ramps and acceleration and deceleration lanes shall be placed at a maximum spacing of 100' (30 m).

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 RAMP THAT TERMINATE IN STOP, YIELD OR SIGNAL CONTROLLED INTERSECTIONS.

**FREEWAY EXIT RAMP**

MODIFIED FOR "RED" RRPM LENS INSTALLATION

**SYMBOLS**

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

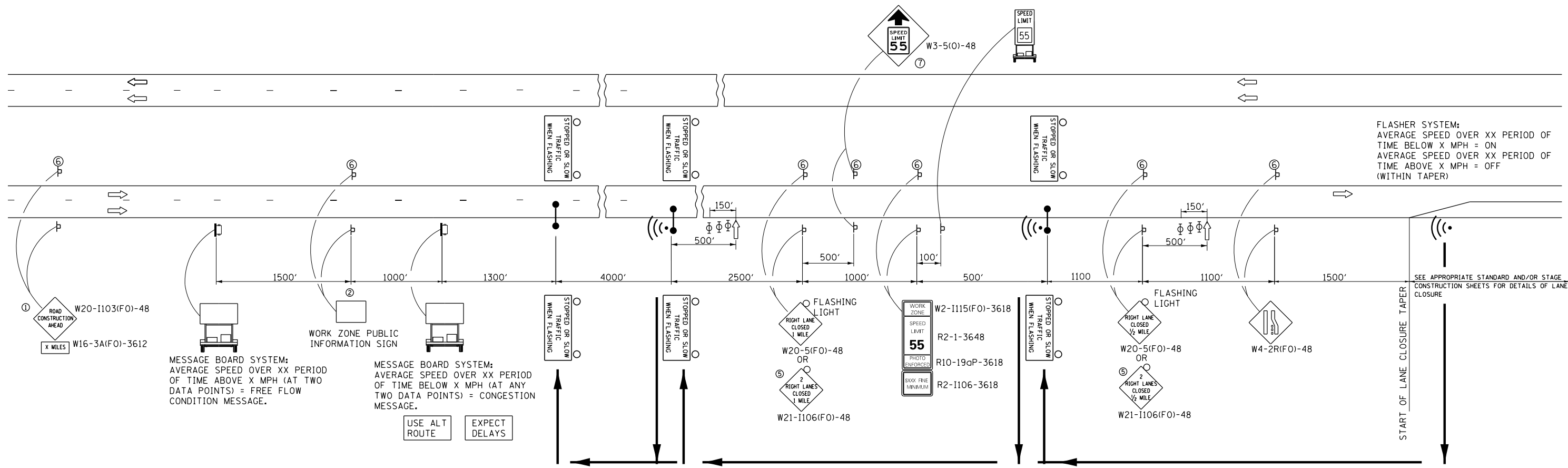
FILE NAME =	USER NAME = carpenterj	DESIGNED - _____	REVISED - _____
p:\04\EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\0366\DRAWING.dgn		CHECKED - _____	REVISED - _____
Default	PLOT DATE = 2/1/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: \_\_\_\_\_ SHEET 10 OF 13 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2.46-3)RS-3 & I	KANKAKEE	76	73
CONTRACT NO. 66E67				
ILLINOIS FED. AID PROJECT				



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

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)

SEE APPROPRIATE STANDARD AND/OR STAGE  
CONSTRUCTION SHEETS FOR DETAILS OF LANE  
CLOSURE

- 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.

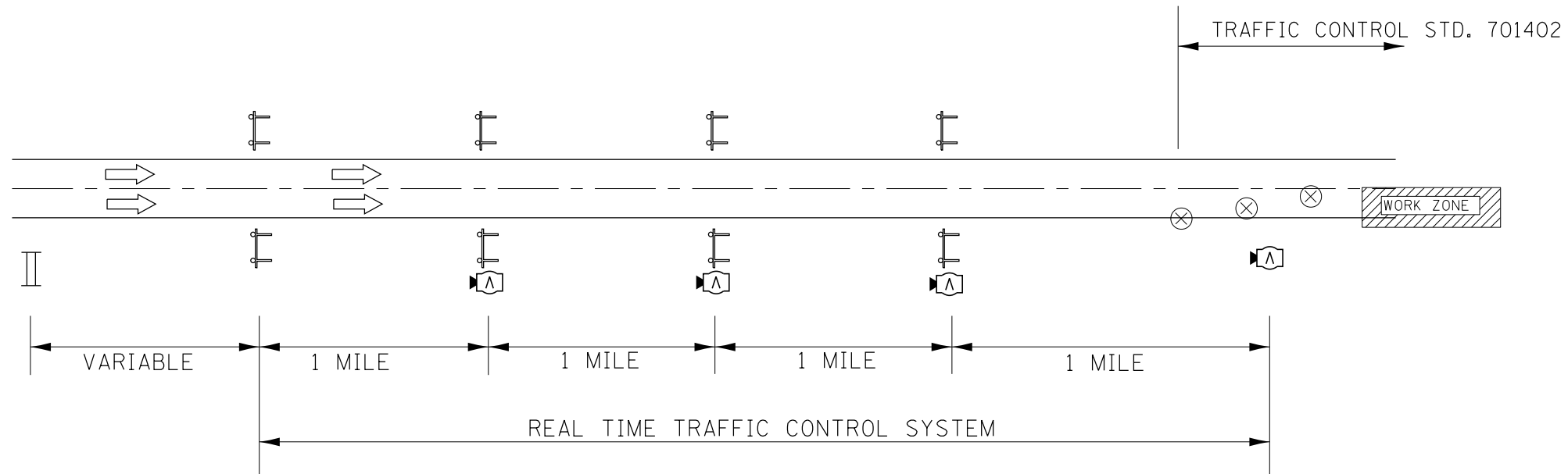
WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

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
-  REAL TIME TRAFFIC SENSOR
-  WARNING SIGN W' WIG WAG LIGHTS AND RTTC SENSOR

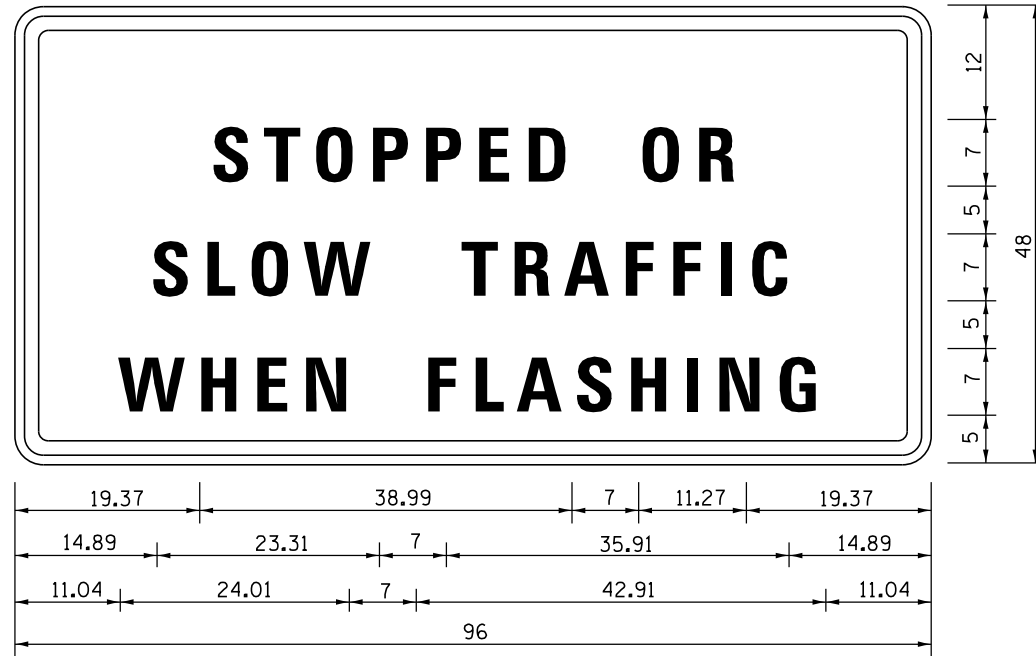
FILE NAME =	USER NAME = carpenterj	DESIGNED -	REVISED -
pw:\064EBD\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\03		DRAWN	REVISED
	PLOT SCALE = 115.8311' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/12/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REAL TIME TRAFFIC CONTROL SETUP DETAIL

SCALE: \_\_\_\_\_ SHEET 12 OF 13 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-2,46-3)RS-3 & I	KANKAKEE	76	75
CONTRACT NO. 66E67				
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	T	O	P	P	E	D	O	R				
19.37	24.69	29.94	36.45	42.26	48.07	53.60	65.36	71.87				
S	L	O	W	T	R	A	F	F	I	C		
14.89	20.84	26.09	31.97	45.20	50.59	55.91	62.91	68.30	73.69	76.35		
W	H	E	N	F	L	A	S	H	I	N	G	
11.04	18.32	24.76	30.29	42.05	47.44	52.20	58.71	64.66	71.10	73.90	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 -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RTTC SIGN DETAIL</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\064EBDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\EP03204\CADData\CADsheets\03	DOT OFFICE\District 3\Projects\EP03204\CADData\CADsheets\03	DRAWN	REVISD			57	(46-2,46-3)RS-3 & I	KANKAKEE	76	76	
Default	PLOT SCALE = 115.8311' / In.	CHECKED	REVISD			CONTRACT NO. 66E67		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 2/1/2019	DATE	REVISD	SCALE: _____	SHEET 13 OF 13 SHEETS	STA. _____	TO STA. _____				