

11-07-2025 LETTING ITEM 013

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**THIS PROJECT IS LOCATED IN:
CITY OF CHICAGO**

US 14 (PETERSON AVENUE) TRAFFIC DATA:

SPEED LIMIT: 30 MPH

ADT (2023):

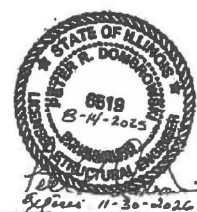
JESREY AVENUE TO US 41 (LINCOLN AVENUE)= 25,200



John P. O'Neill

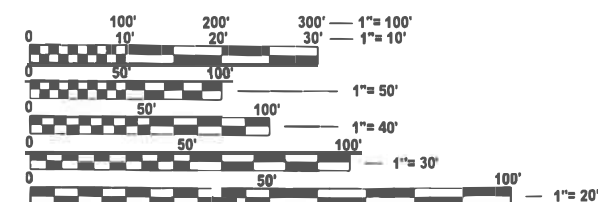
DATE 08-14-2025

JOHN P. O'NEILL
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-048834
MY LICENSE EXPIRES ON 11-30-2025
APPLY TO SHEETS: I-25, 60-66



DATE 08-14-2025

PETER R. DOMBROWSKI
ILLINOIS REGISTERED STRUCTURAL ENGINEER NO. 081-006519
MY LICENSE EXPIRES ON 11-30-2026
APPLY TO SHEETS: 26-59



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 : LUKASZ POCIECHA (847) 705-4255

PROJECT MANAGER : VESELIN VELICHKOV

CONTRACT NO. 62Y30

CONSULTING
ENGINEERS



BLA, Inc.

333 PIERCE ROAD SUITE 200 ITASCA, IL 60143
P:(630) 438 6400 F:(630) 438 6444 www.bla-inc.com

STATE OF ILLINOIS

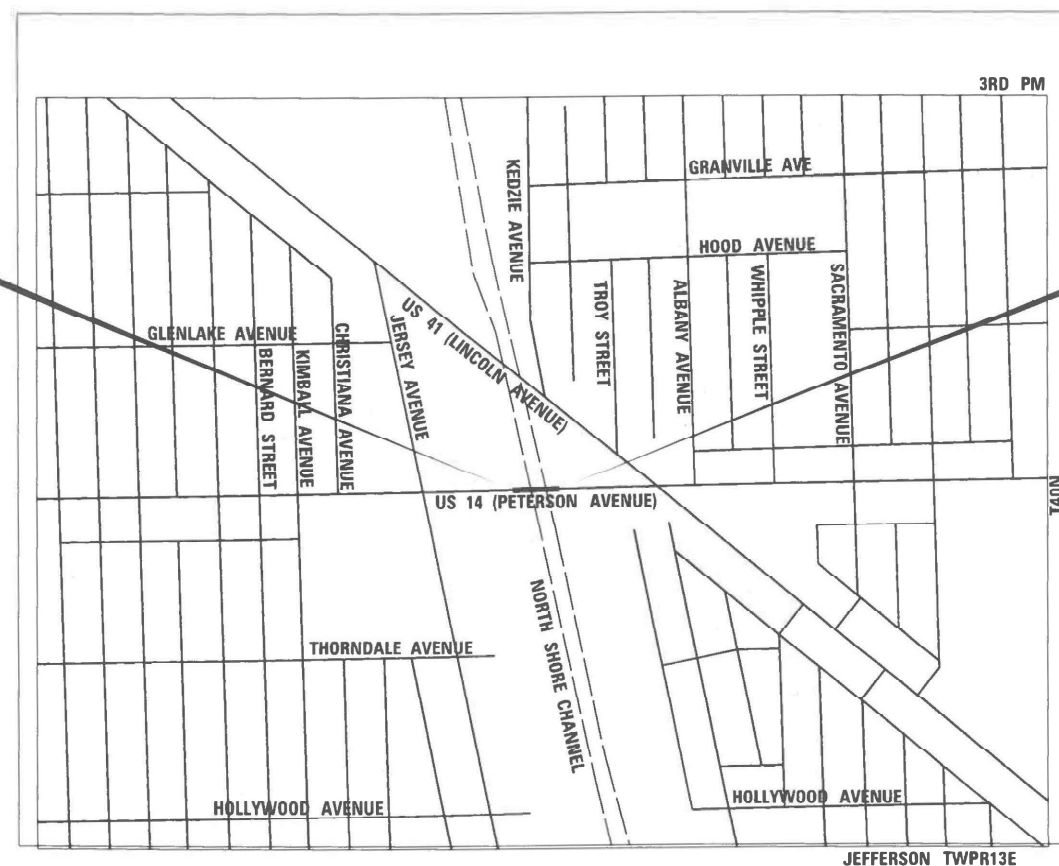
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

**FAP RTE 341: US RTE 14 (PETERSON AVENUE)
OVER NORTH SHORE CHANNEL
SECTION (60B&C-NRM) BDR, BJR 25
PROJECT BR-6530(706)**

**BRIDGE DECK OVERLAY, BRIDGE JOINT REPLACE/REPAIR
COOK COUNTY**

C-91-226-25



GROSS LENGTH = 190 FT. = 0.037 MILE

NET LENGTH = 190 FT. = 0.037 MILE

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	(60B&C-NRM) BDR, BJR 25	COOK	68	1
ILLINOIS			CONTRACT NO. 62Y30	

D-91-149-25



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Aug 15th 2025*
[Signature] REGIONAL ENGINEER
October 3, 2025
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 2025
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

REV-SEP

INDEX OF SHEETS

SHEET NO.

DESCRIPTION

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-7	SUMMARY OF QUANTITIES
8	ROADWAY PLAN
9-11	MAINTENANCE OF TRAFFIC
12-46	STRUCTURAL PLANS
47	PROPOSED PAVEMENT MARKING PLANS
48-53	DISTRICT 1 DETAILS

DISTRICT DETAILS

BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	T.C & PROTECTION SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
TC-13	TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

HIGHWAY STANDARDS

STANDARD NO.

DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE, COUNTY, OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT ABDULLA ALI, CENTRAL COOK COUNTY AREA TRAFFIC FIELD ENGINEER, AT ABDULLA.ALI@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PARVEMENT MARKINGS.
- ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING DETAIL.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.

COMMITMENTS

NONE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS	QMP
HMA OVERLAY ON APPROACH & BUTT JOINT			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1.75"	4% @ 70 GYR	1.75"	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2			

MIXTURE REQUIREMENT NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITEIS IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 - 22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE MIX.

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PLOT DATE = 9/17/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS

SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. N/A TO STA. N/A
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	2
		CONTRACT NO. 62Y30		
		ILLINOIS	FED. AID PROJECT	

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BLA, Inc.

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	CHECKED - GJE	REVISED -
PLOT DATE = 8/18/2025	DATE - 8/19/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C=NRM) BDR, BJR 25	COOK	68	3
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

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BLA, Inc.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	4
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					80% FEDERAL	80% FEDERAL	80% FEDERAL
					20% STATE	20% STATE	20% STATE
					ROADWAY	BRIDGE	SAFTEY
					0047	0047	0021
					URBAN	URBAN	URBAN
	50300300	PROTECTIVE COAT	SQ YD	1,308		1,308	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,440		1,440	
	50800515	BAR SPLICER	EACH	24		24	
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	152		152	
	59000200	EPOXY CRACK INJECTION	FOOT	1		1	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	215	215		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5	5		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.5	0.5	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.5	0.5	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2		
	67100100	MOBILIZATION	L SUM	1	0.5	0.5	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	204	204		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,926	3,926		
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS- TYPE IV TAPE	SQ FT	33	33		

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		CHECKED -	GJE	REVISED -	
PLOT DATE	= 8/19/2025	DATE -	8/19/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS				
SCALE: N/A	SHEET 3	OF 3	SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	5
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					80% FEDERAL	80% FEDERAL	80% FEDERAL
					20% STATE	20% STATE	20% STATE
					ROADWAY	BRIDGE	SAFTEY
					0047	0047	0021
					URBAN	URBAN	URBAN
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3,315	3,315		
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	10	10		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	410	410		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	410	410		
	70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2		
	70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	33	33		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,381	5,381		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	45	45		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	325	325		
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	580	580		
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	35	35		
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	8	8		

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		CHECKED	- GJE	REVISED	-
PLOT DATE	= 8/18/2025	DATE	- \$DATE	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	6
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					80% FEDERAL	80% FEDERAL	80% FEDERAL
					20% STATE	20% STATE	20% STATE
					ROADWAY	BRIDGE	SAFTEY
					0047	0047	0021
					URBAN	URBAN	URBAN
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2,288	2,288		
	X0300062	GRAFFITI REMOVAL	SQ YD	271		271	
	X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	312		312	
	X0326806	WASHOUT BASIN	L SUM	1	0.5	0.5	
	X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	47	47		
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	976		976	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	373	373		
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	6	6		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	250	250		
	Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	9		9	

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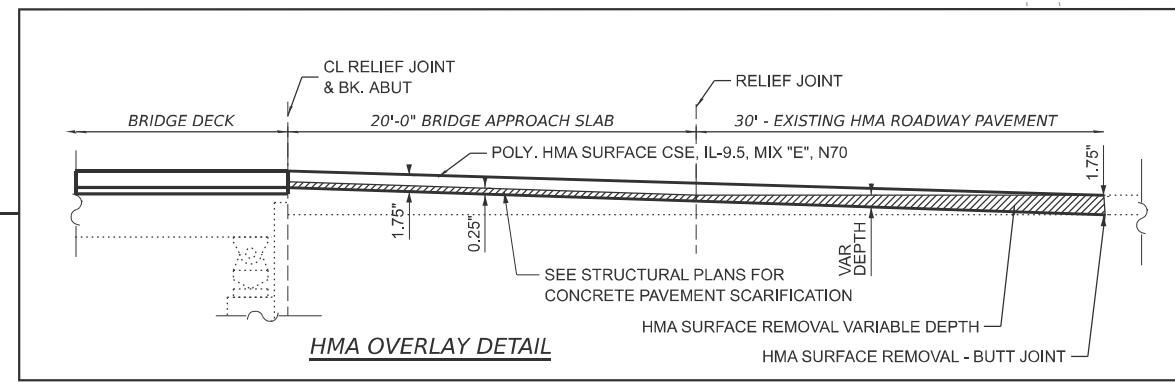
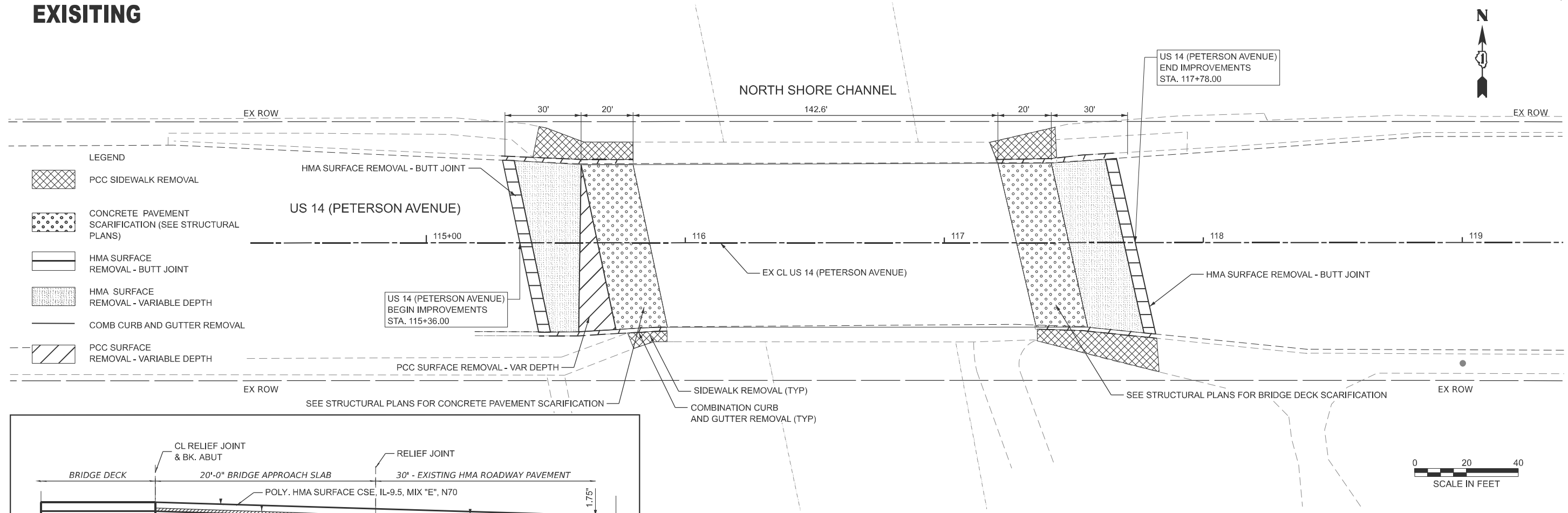
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PLOT DATE = 8/18/2025	DATE - 8/19/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

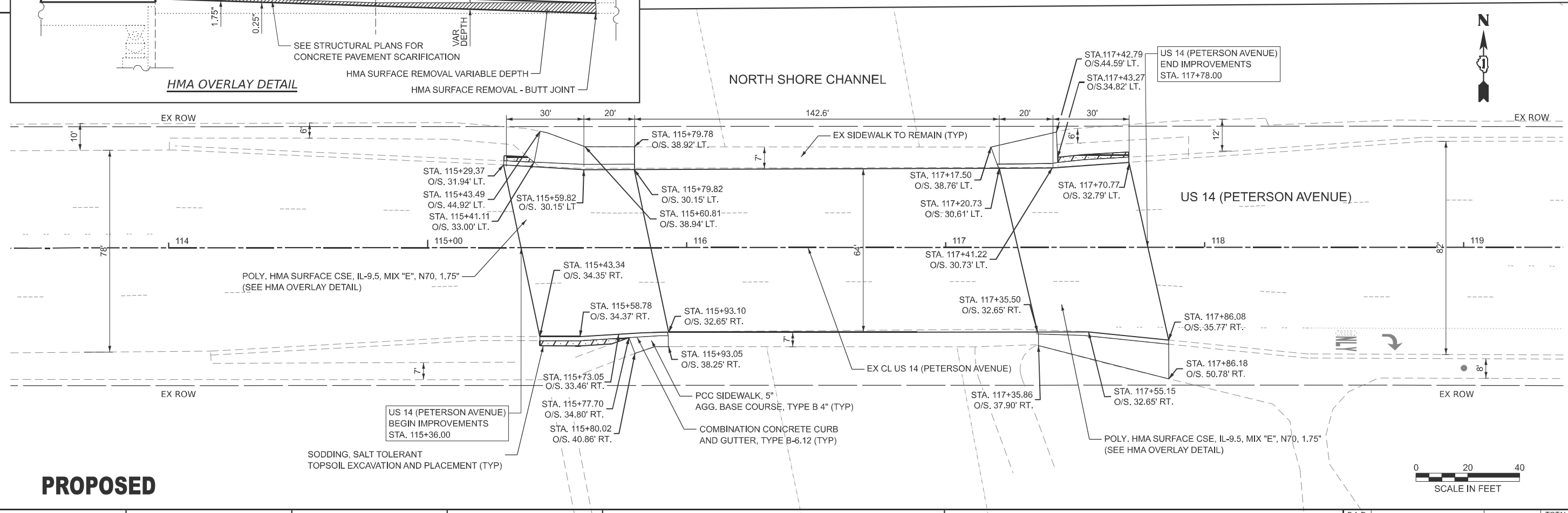
SUMMARY OF QUANTITIES				
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS				
SCALE: N/A	SHEET 5	OF 5	SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM)BDR,BJR 25	COOK	68	7
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

EXISTING



PROPOSED



MODEL: PCL-Plan 1 (Sheet)
FILE NAME: W19+2+14 DOT 208010_T013_US14 over North Shore Channel CADD Sheets(62Y30-sht-Plan.dgn)

 BLA, Inc.	USER NAME = gellwanger	DESIGNED - JPR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JPR	REVISED -		US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS				341	(60B&C-NRM) BDR, BJR 25	COOK	53	8
		CHECKED - GJE	REVISED -						CONTRACT NO. 62Y30				
	PLOT DATE = 9/19/2025	DATE - 9/19/2025	REVISED -		SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. 113+50.00	TO STA. 119+50.00	ILLINOIS FED. AID PROJECT			

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USER NAME = jrodríguez	DESIGNED - JPR	REVISED -
	DRAWN - JPR	REVISED -
	CHECKED - GJE	REVISED -
PLOT DATE = 8/18/2025	DATE - 9/19/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - GENERAL NOTES US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS			
SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C=NRM) BDR, BJR 25	COOK	53	9
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

STAGE CONSTRUCTION GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED FOR EACH APPLICABLE PHASE. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT.

A MINIMUM OF ONE LANE (11 FEET) IN EACH DIRECTION OF US 14 (PETERSON AVENUE) AND ALL SHOWN TURN LANES SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS. ANY LANE CLOSURES MUST BE APPROVED BY THE ENGINEER. ANY WORK THAT RESTRICTS CONTINUOUS TWO-WAY TRAFFIC THRU MAJOR OR SIGNALIZED INTERSECTIONS SHALL BE COORDINATED BY THE CONTRACTOR AND SHALL NOT BE PERFORMED BETWEEN 7-9 AM AND EASTBOUND AND 4-6 PM WESTBOUND OR THIS NECESSARY COORDINATION AND EXECUTION SHALL BE INCLUDED IN THE LUMP SUM COST FOR MAINTENANCE OF TRAFFIC.

TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

$$L = \frac{W \times S^2}{60}$$

WHERE EQUATION IS FOR SPEED LIMIT OF 45 MPH OR LESS.
THE TERMS ARE DEFINED AS FOLLOWS:

L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED IN MPH.

ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE, TYPE IV (AND/OR MODIFIED URETHANE) USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING"

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

ACCESS TO BUSINESS AND RESIDENCES WITHIN THE WZ NEED TO BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS AND DRIVEWAYS BY UTILIZING STAGED CONSTRUCTION, FLAGGERS, TEMPORARY ACCESS, OR OTHER METHODS APPROVED BY THE ENGINEER.

TRAFFIC CONTROL AND PROTECTION

DAILY LANE CLOSURES WILL BE ALLOWED WHEN SNOW REMOVAL OPERATIONS WILL NOT BE EFFECTED.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.

TYPE II AND/OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ANY LANE CLOSURES.

CONSTRUCTION STAGING

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THE PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE. SUBSTAGE SIDE ROADS AND ENTRANCES TO MAINTAIN TRAFFIC FLOW.

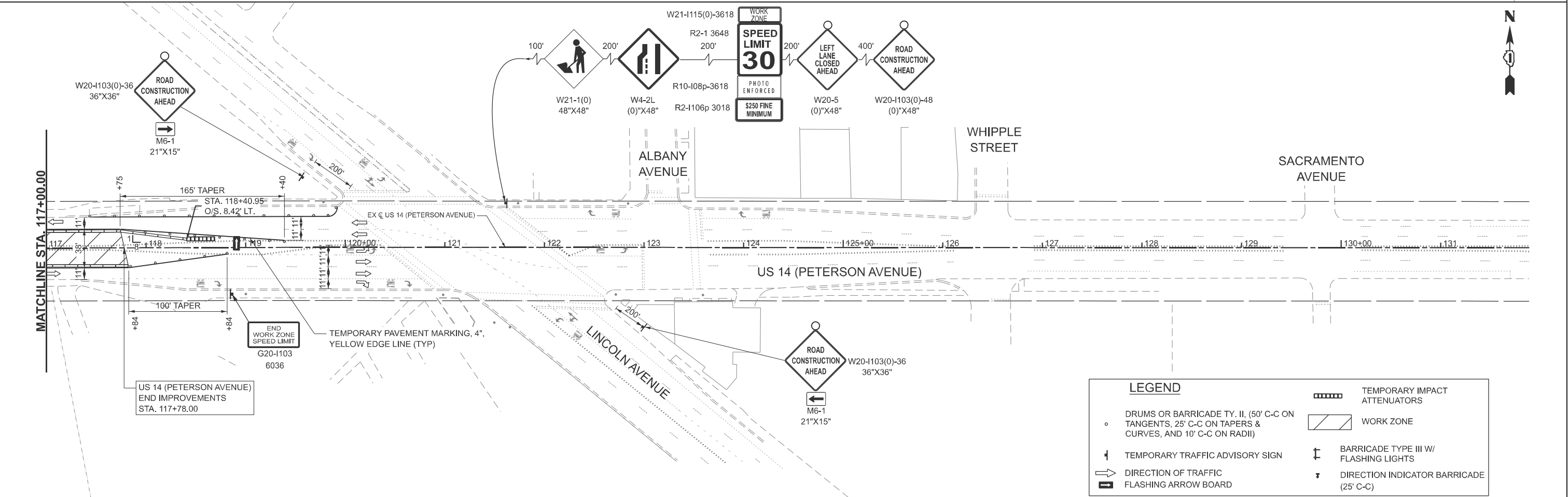
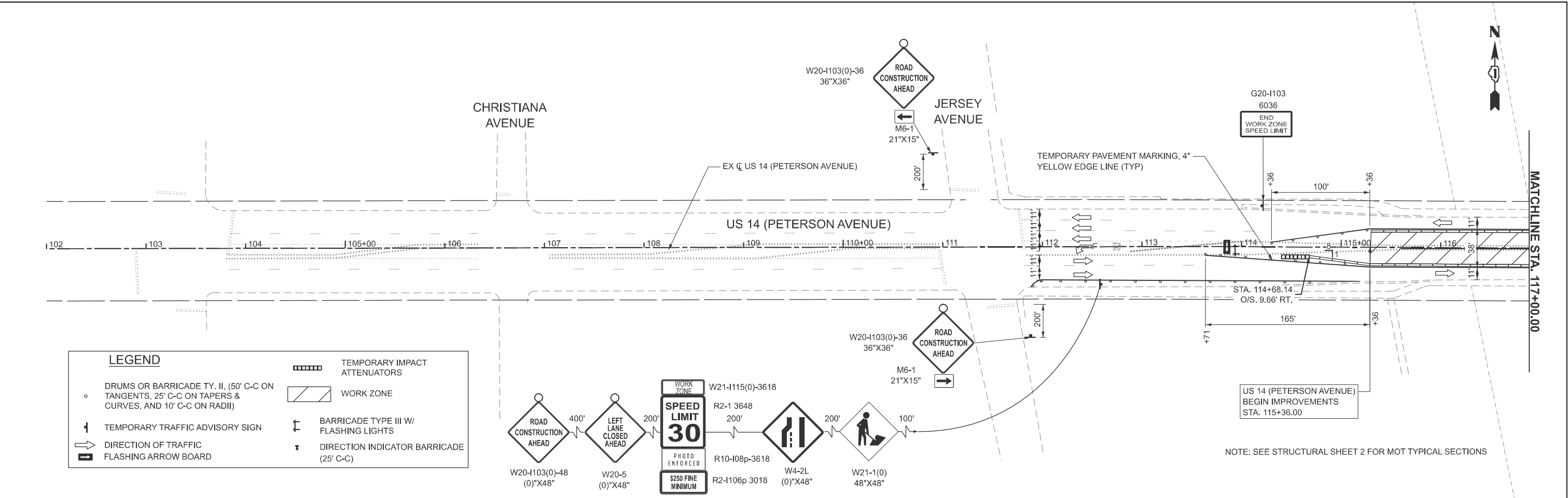
STAGE 1

INSTALL ALL TRAFFIC CONTROL (TEMPORARY PAVEMENT MARKINGS, BARRELS, AND SIGNAGE). CLOSE THE INSIDE LANES IN BOTH DIRECTIONS AND SHIFT THE EASTBOUND US 14 TRAFFIC TO THE NORTH AND WESTBOUND US 14 TO THE SOUTH. PROVIDE AT LEAST ONE 11-FOOT TRAVEL LANE PER DIRECTION. REMOVE EXISTING SURFACES, CURB AND GUTTER, AND SIDEWALK TO CONSTRUCT THE PROPOSED SIDEWALK, CURB AND GUTTER, PROPOSED PAVEMENT SURFACE AND BRIDGE REPAIRS OUTLINED IN THE STRUCTURAL AND ROADWAY PLANS.

STAGE 2

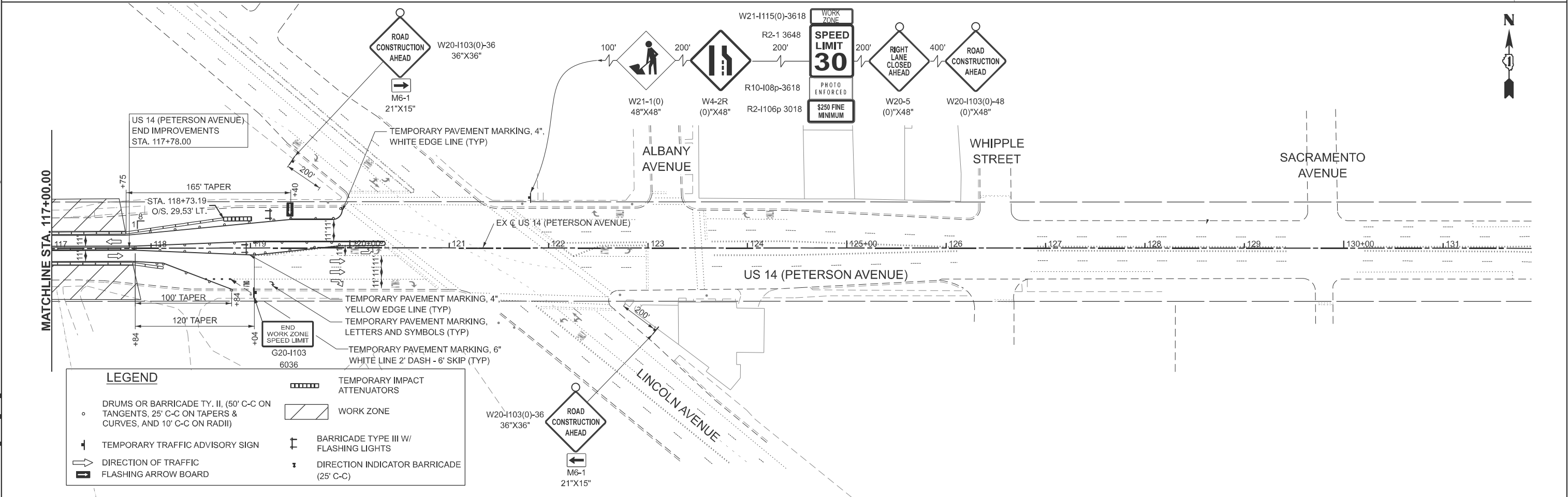
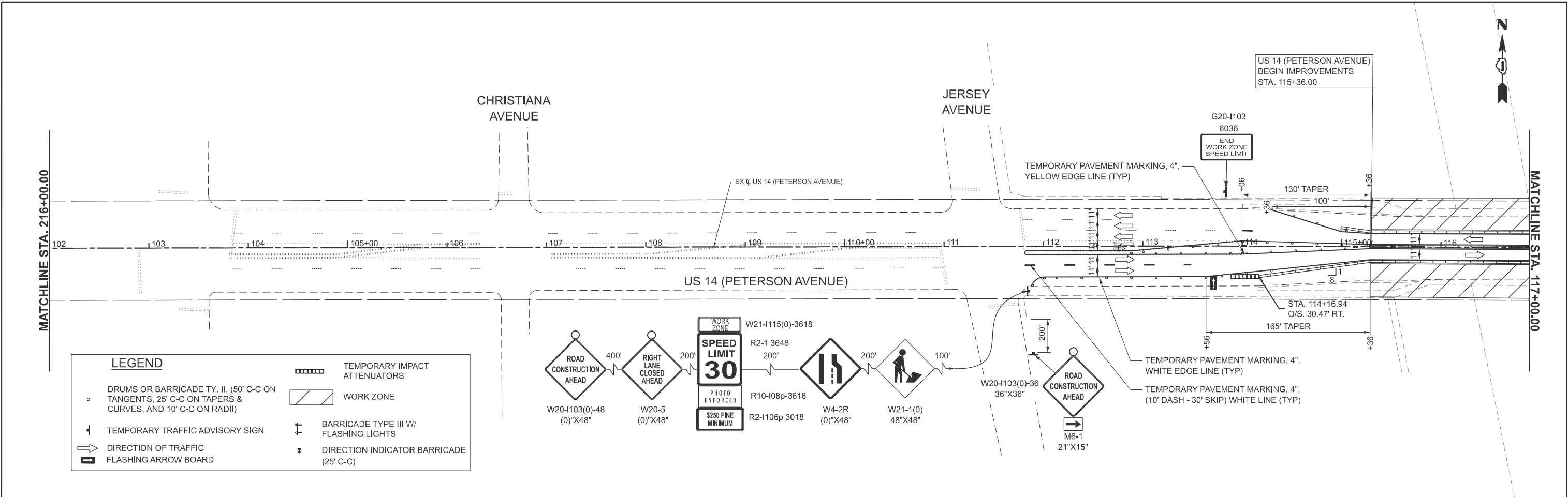
INSTALL ALL TRAFFIC CONTROL (TEMPORARY PAVEMENT MARKINGS, BARRELS, AND SIGNAGE). CLOSE THE OUTSIDE LANES IN BOTH DIRECTIONS AND SHIFT THE EAST BOUND US 14 TRAFFIC TO THE INSIDE LANE AND THE WEST BOUND TRAFFIC TO THE INSIDE LANE. PROVIDE AT LEAST ONE 11-FOOT TRAVEL LANE PER DIRECTION. REMOVE EXISTING SURFACES, CURB AND GUTTER, AND SIDEWALK TO CONSTRUCT THE PROPOSED SIDEWALK, CURB AND GUTTER, PROPOSED PAVEMENT SURFACE AND BRIDGE REPAIRS OUTLINED IN THE STRUCTURAL AND ROADWAY PLANS.

MODEL: PC/L-Plan 1 (Sheet)
FILE NAME: W191-214 IDOT_208010_1013_US14 over North Shore Channel CADD Sheets(62Y30-sh1-MOT01.dgn



BLA, Inc.	USER NAME = jrodriguez	DESIGNED - JPR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLANS - STAGE 1 US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JPR	REVISED -						341	(60B&C-NRM) BDR, BJR 25	COOK	53	10
		CHECKED - GJE	REVISED -		CONTRACT NO. 62Y30								
	PLOT DATE = 9/18/2025	DATE - 9/19/2025	REVISED -		SCALE: 1"=50'				SHEET 1 OF 2 SHEETS		STA. 102+00.00 TO STA. 132+00.00		
ILLINOIS FED. AID PROJECT													

MODEL: PCV-1-Plan 3 [Sheet]
FILE NAME: W19+21.4 IDOT_208010_1013_US14 over North Shore Channel CADD Sheets(62Y30-sh1-MOT02.dgn)



USER NAME = jrodriguez	DESIGNED - JPR	REVISED -
	DRAWN - JPR	REVISED -
	CHECKED - GJE	REVISED -
PLOT DATE = 9/19/2025	DATE - 9/19/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLANS - STAGE 2
US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 102+00.00 TO STA. 132+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	11
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

Existing Structure: S.N. 016-0367 was built in 1934 as S.B.I Route 60, Section 60B&C-NRM, as a three span structure with simply supported steel beams on reinforced concrete abutments and piers. In 1987 as F.A.P. Route 525, Section 60B-1-R(81), the concrete bridge deck was removed and replaced, selected beams were removed and replaced, and other various repairs were performed.

Traffic to be maintained utilizing stage construction.

No salvage.

Scope of Work

1. Install Protective Shield
2. Scarify 3/4" from the bridge deck and 3/8" Concrete Pavement Scarification (Approach Slab)
3. Full and partial depth repairs to bridge deck and approach slabs
4. Apply 2 1/2" Bridge Deck Latex Concrete Overlay on bridge deck
5. HMA overlay of approach slabs
6. Diamond Grinding 1/4"
7. Bridge Deck Grooving (Longitudinal)
8. Reseal relief joints (after grinding)
9. Concrete Repair of South Parapet
10. Apply Protective Coat to the top and inside faces of parapets, top and inside faces of sidewalks, and top of Latex Overlay
11. Substructure repairs
12. Graffiti Removal of Pier 1 & 2, East & West Abutment

INDEX OF SHEETS

1. General Plan and Elevation
2. Typical Cross Sections
3. Bridge Deck & Approach Slabs Overlay & Repairs
4. Parapet Repair Details
5. Pier Expansion Joint Repairs
6. Pier Expansion Joint Details
7. Pier and Abutment Repairs and Details
- 8-9. Preformed Joint Strip Seal - Sidewalk
10. Bar Splicer Assembly and Mechanical Splicer Details

For Existing Bridge Plans, see Sheets EX-1 thru EX-25 immediately following Sheet 10 of 10

LOADING HS20-44

No future wearing surface allowed.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi (Superstructure)

fy = 60,000 psi (Reinforcement)

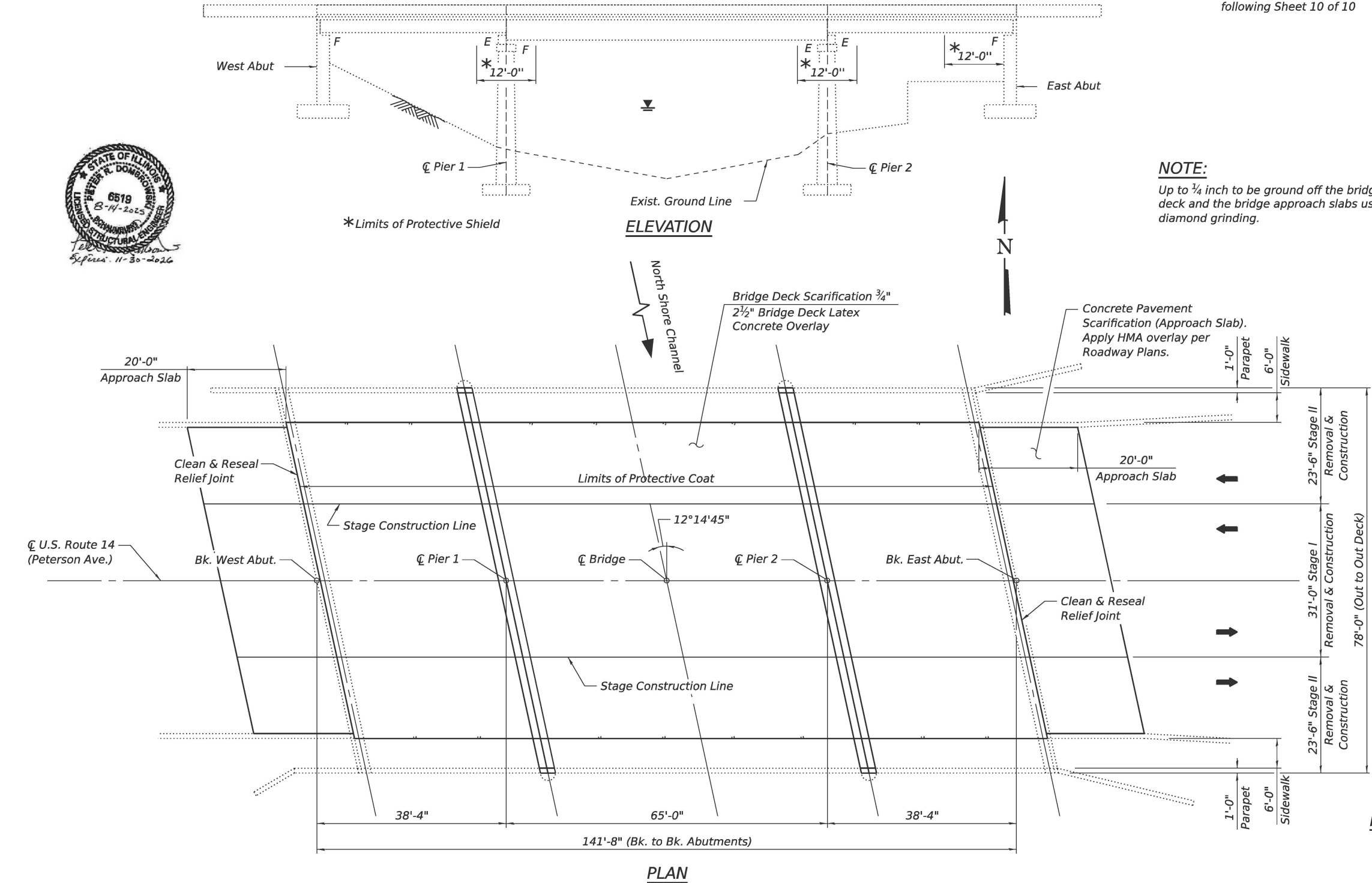
EXISTING UNITS

f'c = 3,500 psi (Superstructure)

fy = 60,000 psi (Reinforcement)

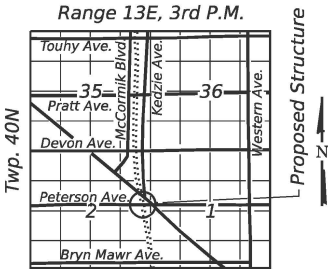
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	10.1
Protective Shield	Sq Yd	312
Concrete Superstructure	Cu Yd	10.1
Protective Coat	Sq Yd	1,308
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	152
Reinforcement Bars, Epoxy Coated	Pound	1,440
Epoxy Crack Injection	Foot	1
Approach Slab Repair (Full Depth)	Sq Yd	9
Approach Slab Repair (Partial Depth)	Sq Yd	1
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq Yd	1,008
Bridge Deck Scarification 3/4"	Sq Yd	1,008
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	20
Concrete Pavement Scarification (Approach Slab)	Sq Yd	285
Diamond Grinding (Bridge Section)	Sq Yd	1,008
Graffiti Removal	Sq Yd	271
Clean & Reseal Relief Joint	Foot	312
Bridge Deck Grooving (Longitudinal)	Sq Yd	976



NOTE:

Up to 1/4 inch to be ground off the bridge deck and the bridge approach slabs using diamond grinding.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
US14 OVER NORTH SHORE CHANNEL
F.A.P. ROUTE 341 - SEC. (60B&C-NRM) BDR, BJR 25
COOK COUNTY
STATION 115+86.17
STRUCTURE NO. 016-0367



USER NAME = gellwanger	DESIGNED - MTW	REVISED -
	CHECKED - PRD	REVISED -
PLOT SCALE = 0:2,0000 1" = 100'	DRAWN - MTW	REVISED -
PLOT DATE = 10/2/2025	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0367

SHEET 1 OF 10 SHEETS

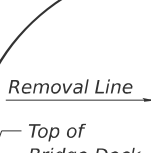
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	12
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

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Reinforcement bars designated (E) shall be epoxy coated.



BILL OF MATERIAL



The diagram shows a cross-section of a bridge deck. A horizontal line at the top is labeled "Removal Line". Below it, a horizontal line is labeled "Top of Bridge Deck". The distance between these two lines is indicated as "16'-0\"". A vertical line segment between the "Removal Line" and the "Top of Bridge Deck" is labeled "3/4\"". The area between the "Removal Line" and the "Top of Bridge Deck" is shaded with diagonal lines and labeled "Bridge Deck Scarification, 3/4\"". The area below the "Top of Bridge Deck" is labeled "Peterson Ave.".

Diagram illustrating the Bridge Deck Latex Concrete Overlay, 2 1/2 inch thick. The diagram shows a cross-section of the overlay with a 'Top of Bridge Deck' line, a 'Removal Line' 6 inches from the top, and a 'Stage Constr. Line' 15 feet 6 inches from the removal line. The overlay is labeled 'Bridge Deck Latex Concrete Overlay, 2 1/2 inch'.

DETAIL A
(Showing Proposed)

**** Prior to Grinding**

GENERAL NOTES:

1. Areas of deck slab and approach slab repairs are estimated based on the District survey and are for information only. Actual type, location, and dimensions are to be determined by the Engineer during construction and documented on as-built plans.

2. Deck Slab Repair (Partial) shown for information only. Cost included with Bridge Deck Scarification.

3. Construction of Deck Slab Repair (Full Depth) shall be performed in sequence I and II in each stage. Sequence II removal areas shall not be started until new concrete in sequence I removal areas has reached a minimum of 650 psi modulus of rupture.

4. Bridge Deck Grooving (Longitudinal) on traffic lanes only.

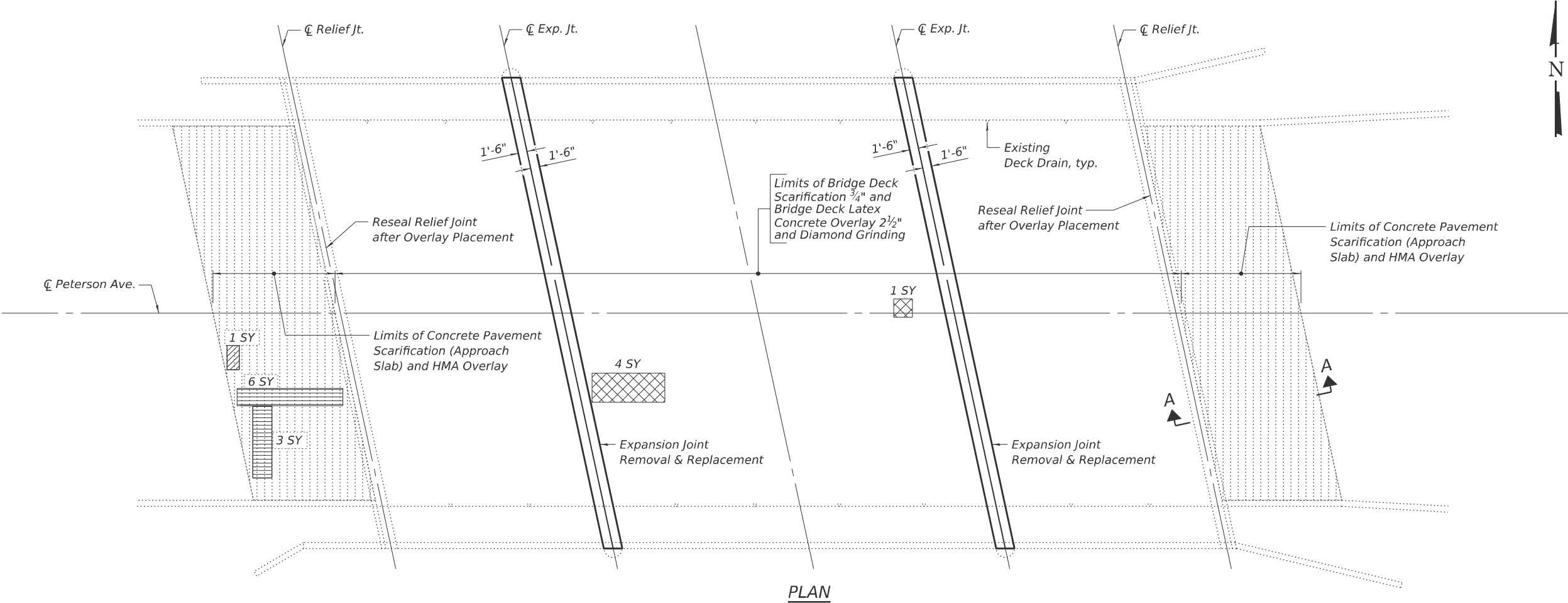
5. Scarify approach slabs prior to Approach Slab Repair.
6. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

7. Plan dimensions and details relative to existing structure have been taken from existing plans 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 based at the unit price bid for the work.
8. 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.

9. Protective coat shall be applied to all new concrete superstructure and all new concrete overlays as specified in Article 503.19 of Standard Specifications.

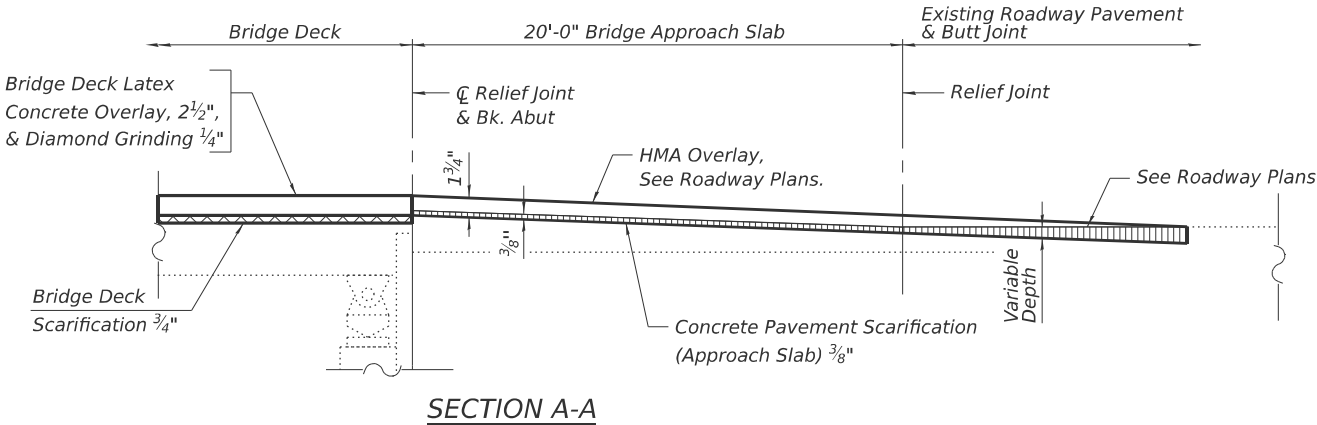
10. Reinforcement bars designated (E) shall be epoxy coated.

11. 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.



LEGEND

- Approach Slab Repair (Partial Depth)
- Approach Slab Repair (Full Depth, Type II)
- Deck Slab Repair (Partial Depth) (For Information Only)
- Concrete Pavement Scarification (Approach Slab)



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Bridge Deck Grooving (Longitudinal)	Sq Yd	976
Protective Coat	Sq Yd	1308
Approach Slab Repair (Full Depth)	Sq Yd	9
Approach Slab Repair (Partial Depth)	Sq Yd	1
Clean & Reseal Relief Joint	Foot	312
Concrete Pavement Scarification (Approach Slab)	Sq Yd	285
Diamond Grinding (Bridge Section)	Sq Yd	1,008



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	CHECKED - PRD	REVISED -
PLOT SCALE = 0:2,000' = 1\"/>	DRAWN - MTW	REVISED -
PLOT DATE = 10/2/2025	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK & APPROACH SLABS OVERLAY & REPAIRS
STRUCTURE NO. 016-0367

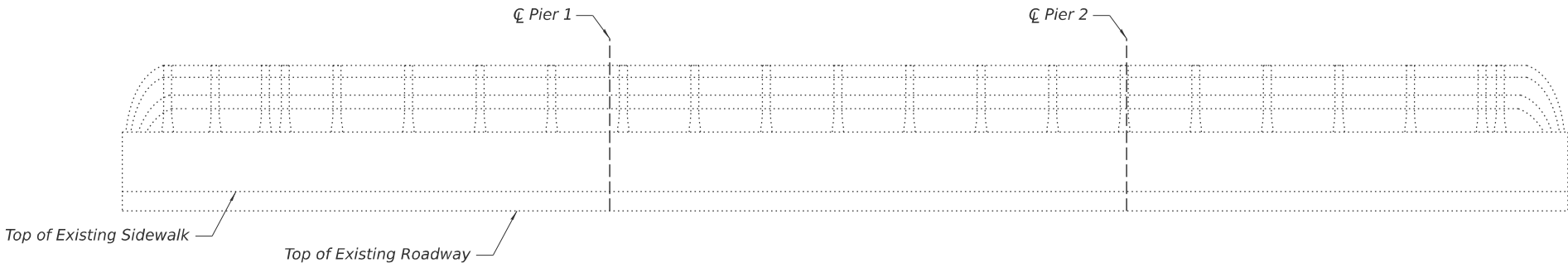
SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	14
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

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SOUTH PARAPET - INSIDE ELEVATION



NORTH PARAPET - INSIDE ELEVATION

LEGEND

~ Epoxy Crack Injection

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	Foot	1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS
STRUCTURE NO. 016-0367

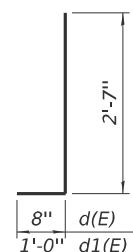
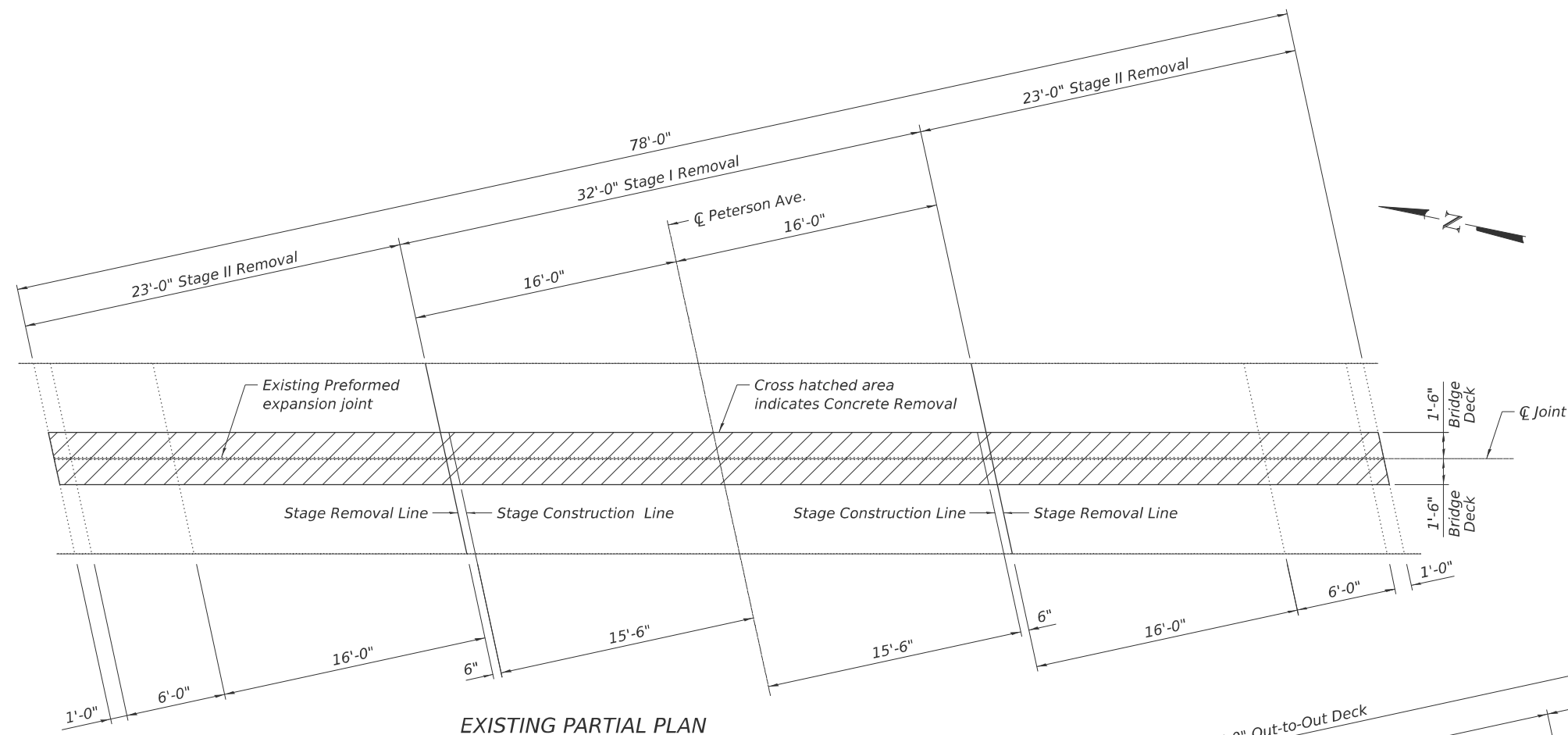
SHEET 4 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62Y30				
		ILLINOIS	FED. AID PROJECT	

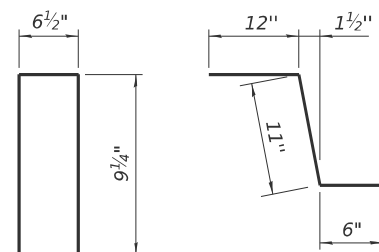
TWO JOINTS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	12	#5	30'-10"	
a1(E)	24	#5	23'-8"	
c(E)	24	#5	2'-3"	
c1(E)	24	#5	6'-8"	
d(E)	24	#4	3'-3"	
d1(E)	24	#6	3'-7"	
d2(E)	24	#4	2'-1"	
Structure Removal			Cu. Yd.	10.1
Concrete Superstructure			Cu. Yd.	10.1
Reinforcement Bars, Epoxy Coated			Pound	1440

Notes:
I.F. denotes Inside Face.
O.F. denotes Outside Face.

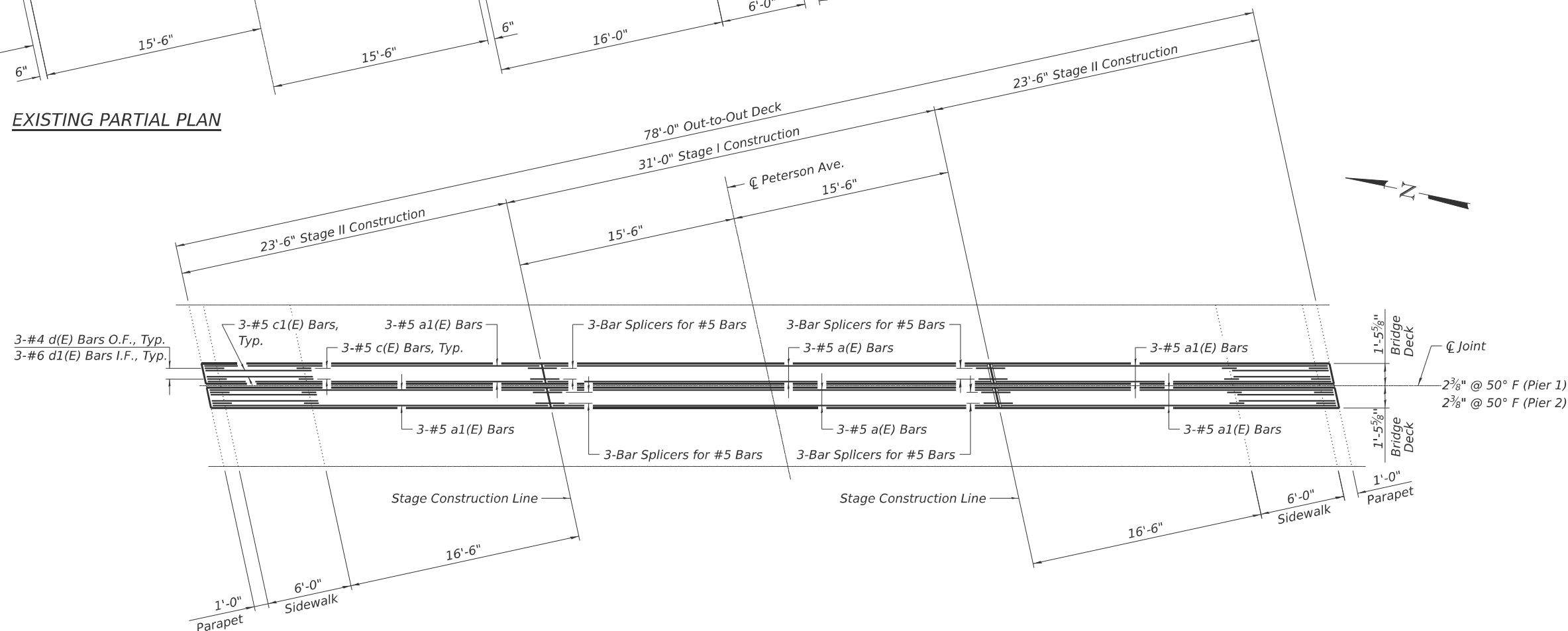


BARS $d(E)$ & $d1(E)$



BAR $d^2(E)$

BAR $c(E)$



PROPOSED PARTIAL PLAN

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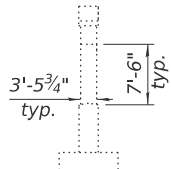
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS AND ABUTMENT REPAIRS AND DETAILS
STRUCTURE NO. 016-0367

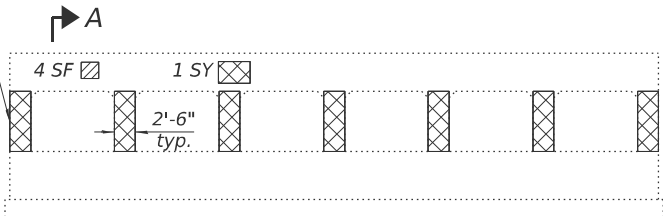
SHEET 7 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

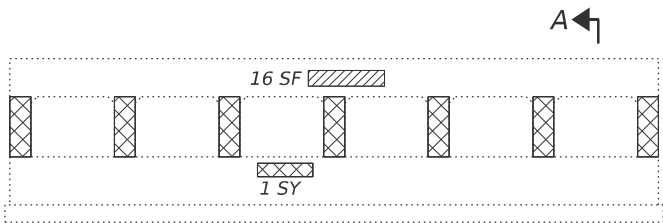
10 SY Graffiti Removal,
typ. for each column



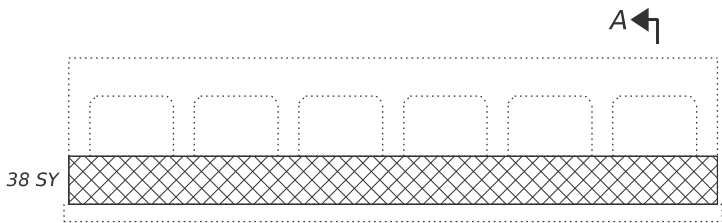
SECTION A-A



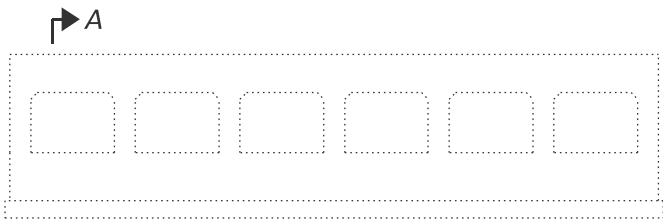
Pier 1 West Elevation
(Looking East)



Pier 1 East Elevation
(Looking West)



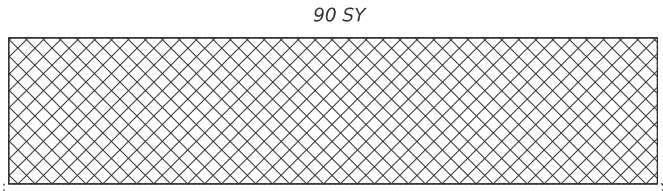
Pier 2 East Elevation
(Looking West)



Pier 2 West Elevation
(Looking East)



East Abutment Elevation
(Looking East)



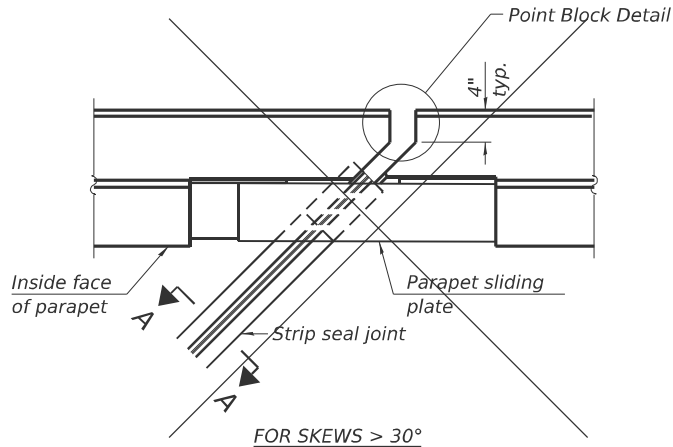
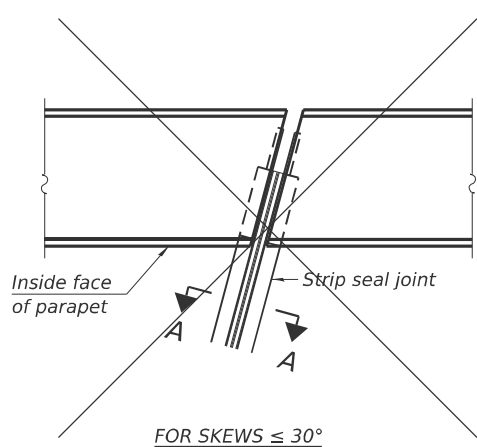
West Abutment Elevation
(Looking West)

LEGEND

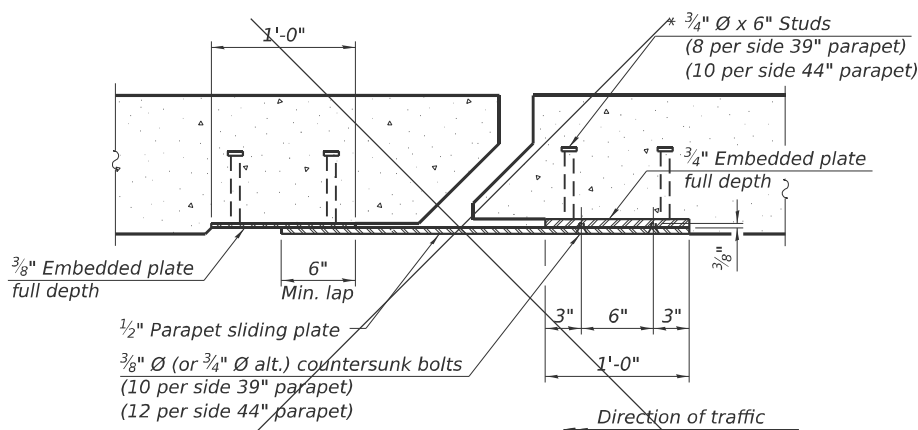
- Repair of Concrete Less than 5"
- Graffiti Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Repair of Concrete Less than 5"	Sq Ft	20
Graffiti Removal	Sq Yd	271

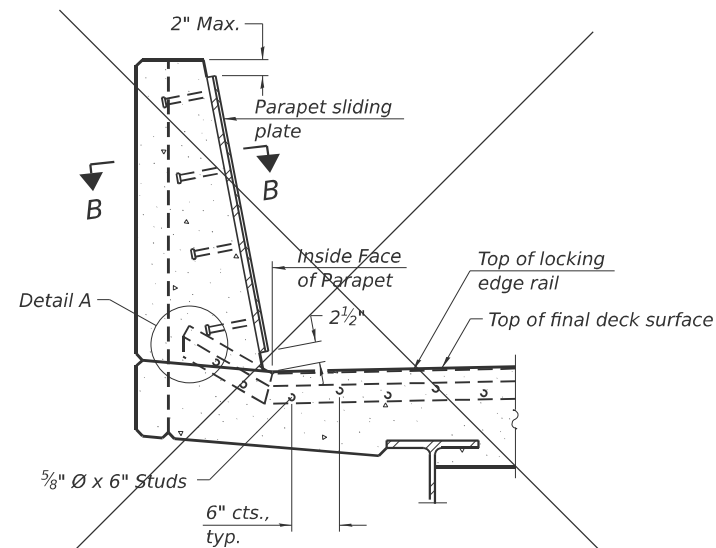


PLAN AT PARAPET



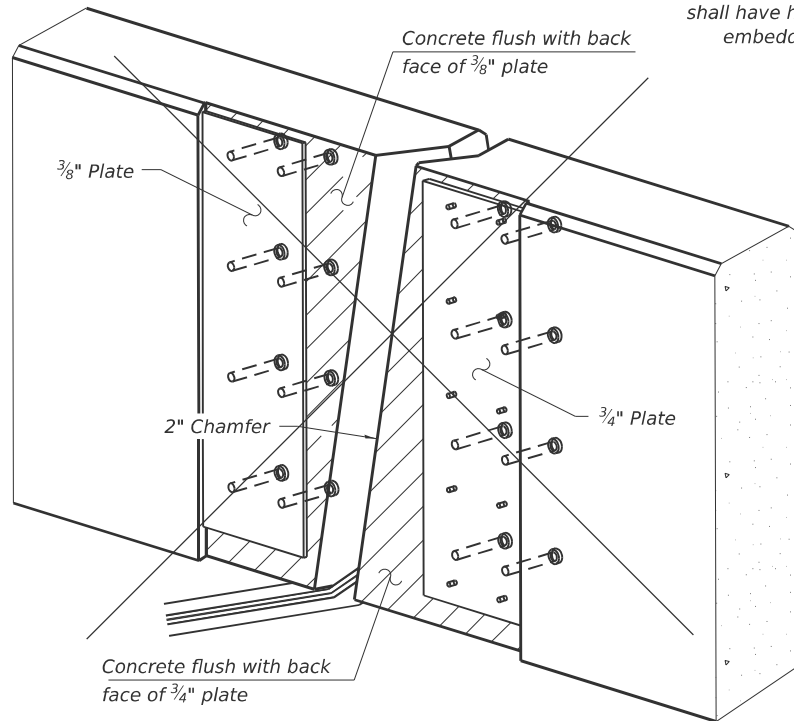
SECTION B-B

($\frac{3}{4}$ " $\varnothing$ countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)



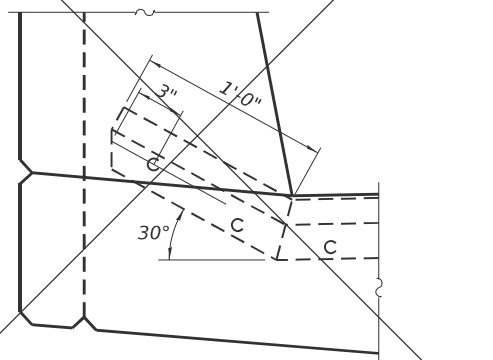
SECTION AT PARAPET

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



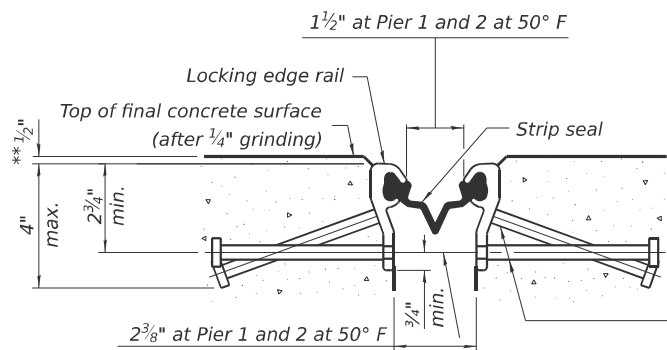
TRIMETRIC VIEW

(Showing embedded plates only)



DETAIL A

(Kick-up at parapet locations shown. See sheet of for kick-up at curb locations.)



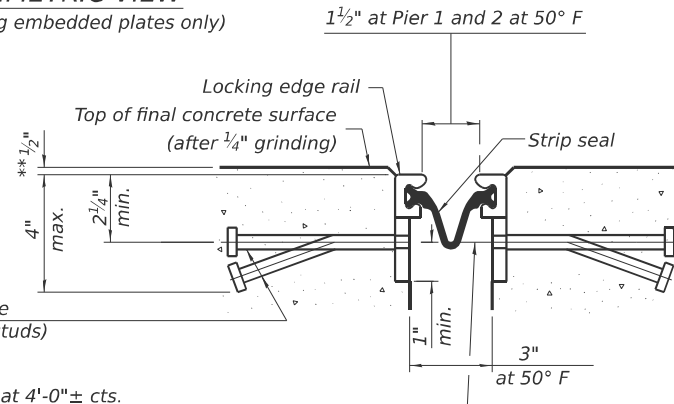
SHOWING ROLLED RAIL JOINT

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

$\frac{3}{8}$ " $\varnothing$ threaded rods in $\frac{7}{16}$ " $\varnothing$ holes at 4'-0" $\pm$ 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.

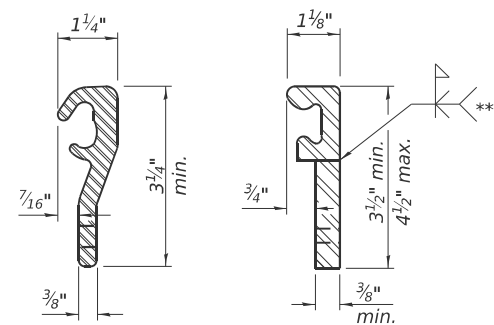
SECTION A-A

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



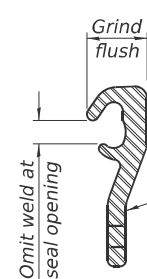
SHOWING WELDED RAIL JOINT

** Prior to $\frac{1}{4}$ " grinding



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	152

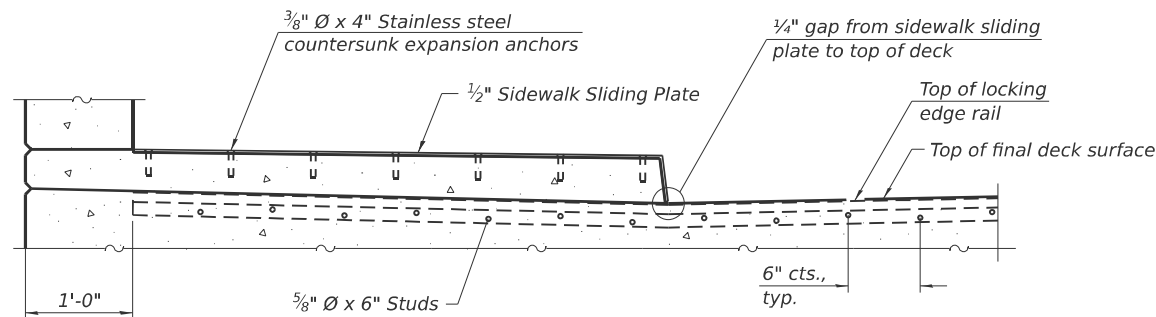
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

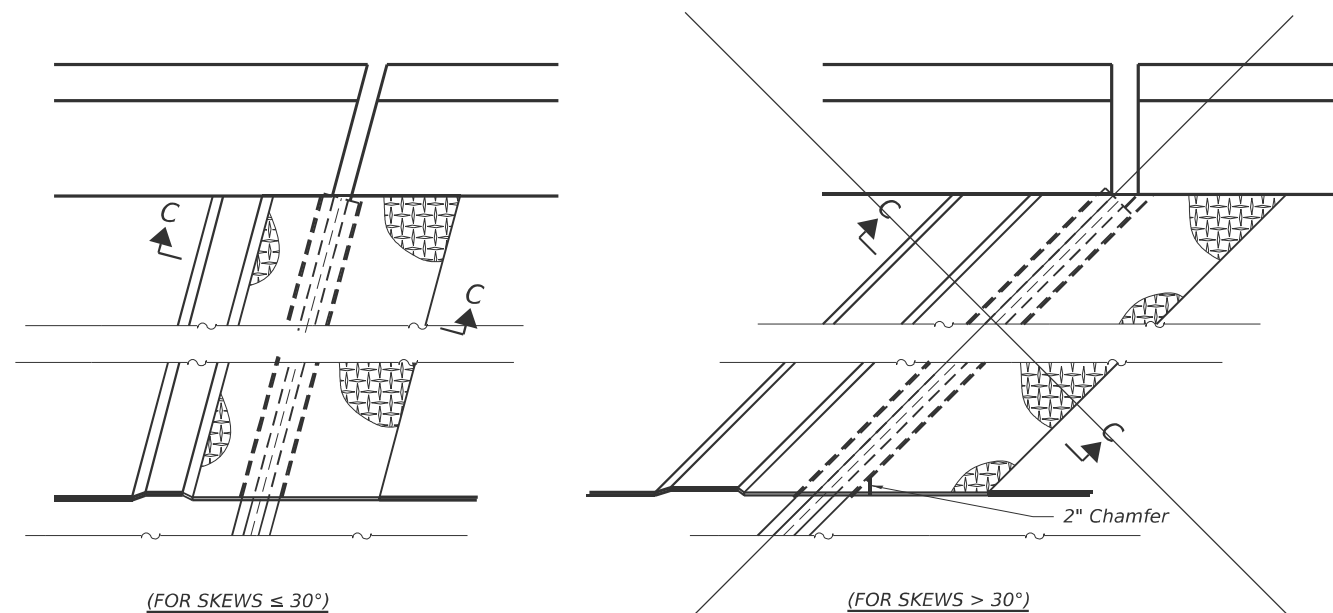
PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-0367

SHEET 8 OF 10 SHEETS

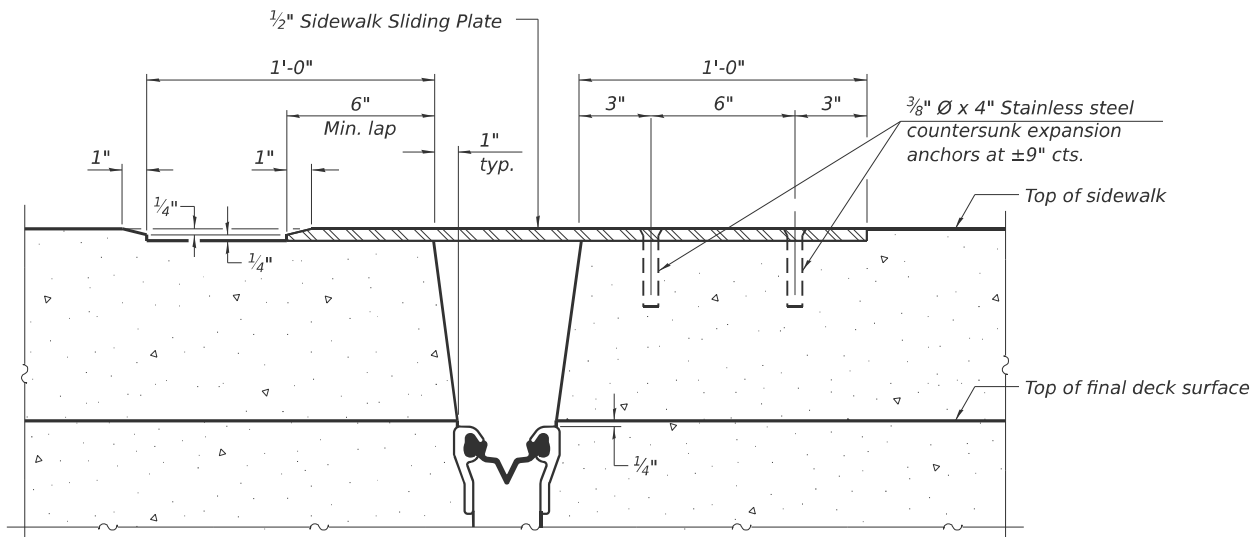
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	19
CONTRACT NO. 62Y30				
ILLINOIS / FED. AID PROJECT				



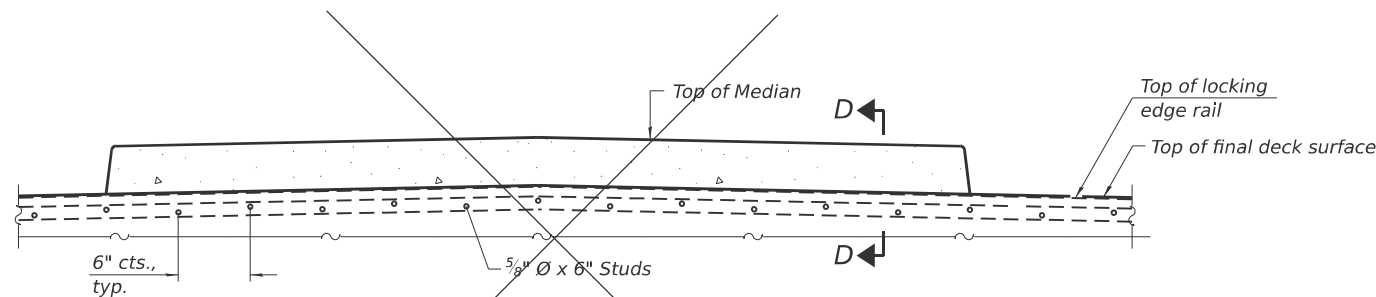
SECTION AT RAISED SIDEWALK



PLAN AT RAISED SIDEWALK

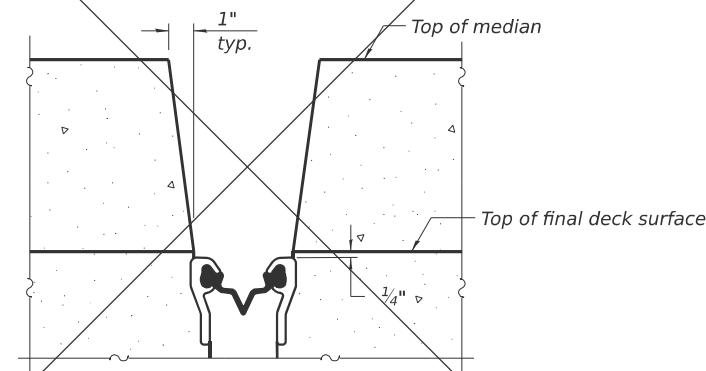


SECTION C-C

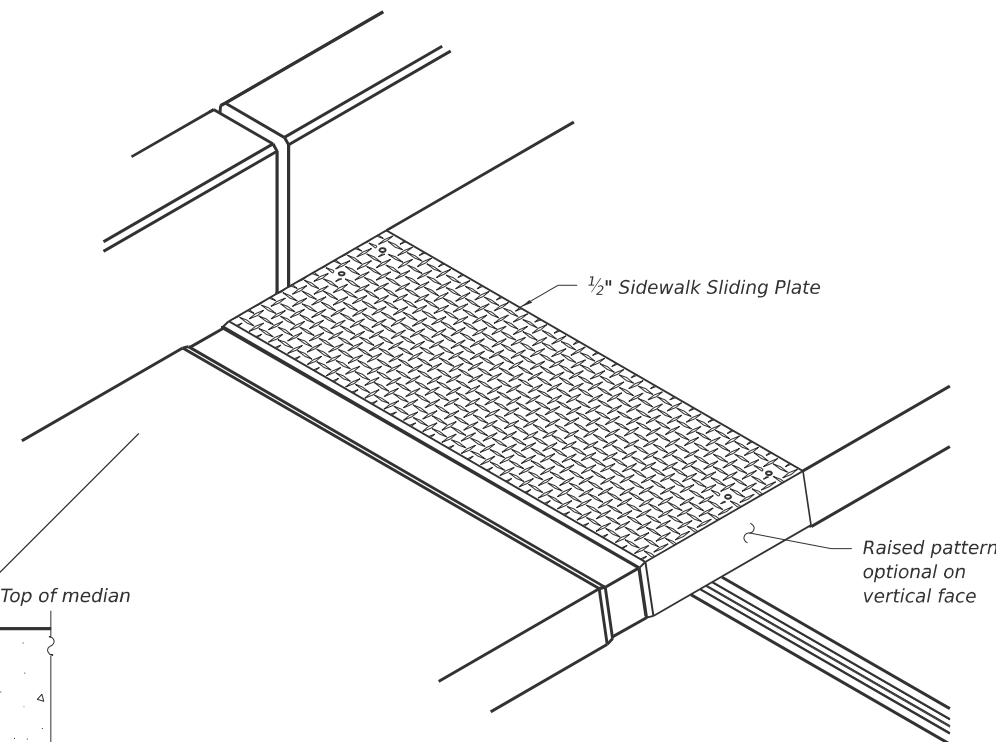


SECTION AT MEDIAN

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



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



TRIMETRIC VIEW

(Sheet 2 of 2)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 016-0367

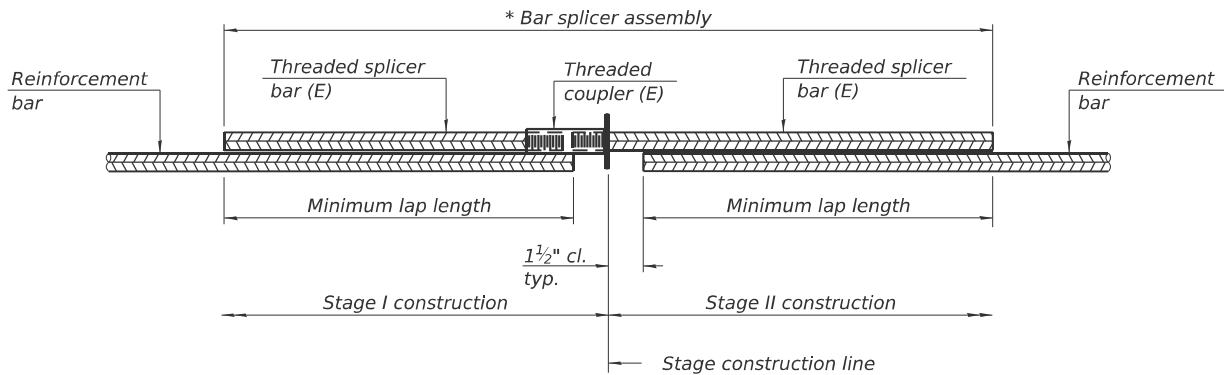
SHEET 9 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	20
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

BLA, Inc.

USER NAME = gellwanger	DESIGNED - MTW	REVISED -
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PLOT DATE = 10/2/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

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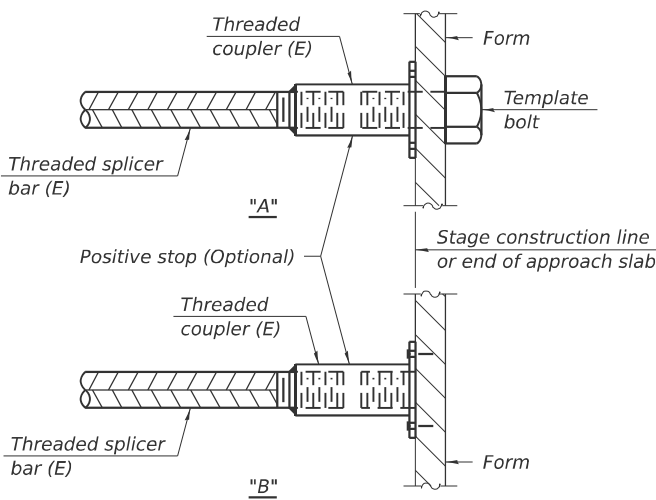
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Pier 1	#5	12	3'-5"
Pier 2	#5	12	3'-5"

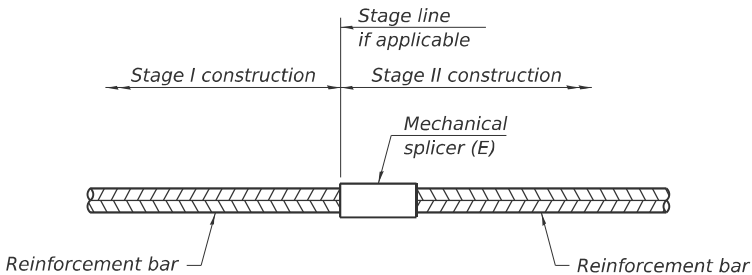


INSTALLATION AND SETTING METHODS

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

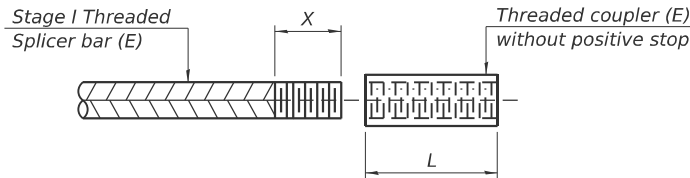
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

- 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

4-4-2025



USER NAME = gellwanger	DESIGNED - MTW	REVISED -
	CHECKED - PRD	REVISED -
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PLOT DATE = 10/2/2025	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0367

SHEET 10 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	21
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

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10/2/2025 10:11:12 AM

WATERWAY INFORMATION									
Drainage Area Low Grade El. 595.40 At Sta. 120+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head-Ft. Exist.	Prop.	Headwater Elev. Exist.	Prop.	
Design	50	4600	1283	586.9	0	0	586.9	586.9	
Base	100	5180	1404	587.9	0	0	587.9	587.9	
Overlapping									
Max. Cal.	500	6600	1695	590.3		0		590.3	

60(1,2&3)RS & 60B-1-R(81)

BENCH MARK:

On South End of 4'x9' Slab on Top of 60" Brick Sewer at S.E. Corner of Peterson Ave. Bridge El. 587.80

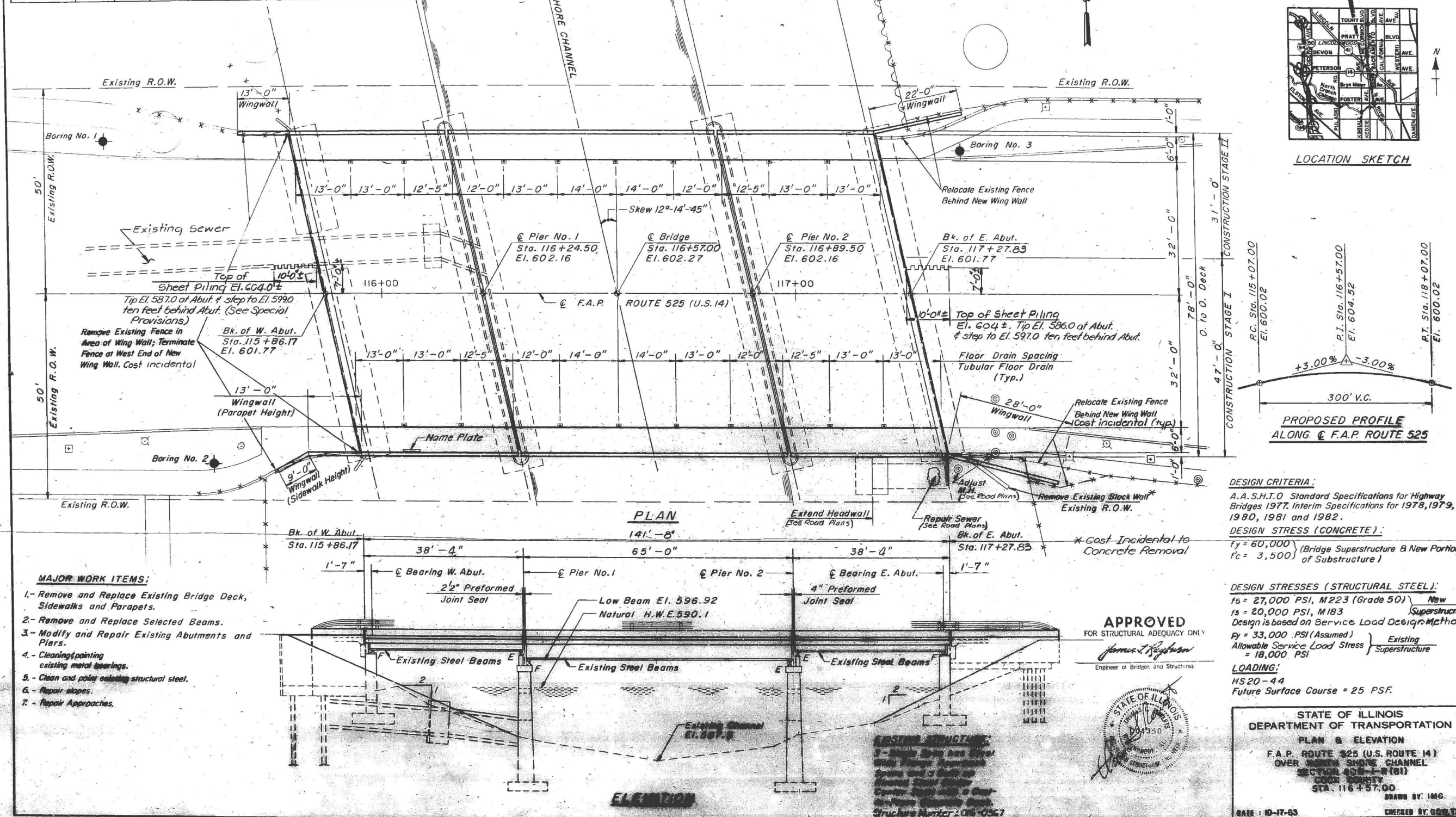
F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	*	COOK	102	27
STA.	TO STA.	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 1 of 26

PROPOSED STRUCTURE



LOCATION SKETCH



MAJOR WORK ITEMS:

- 1- Remove and Replace Existing Bridge Deck, Sidewalks and Parapets.
- 2- Remove and Replace Selected Beams.
- 3- Modify and Repair Existing Abutments and Piers.
- 4- Cleaning/painting existing metal bearings.
- 5- Clean and paint existing structural steel.
- 6- Repair slopes.
- 7- Repair Approaches.

DESIGN CRITERIA:

A.A.S.H.T.O. Standard Specifications for Highway Bridges 1977, Interim Specifications for 1978, 1979, 1980, 1981 and 1982.

DESIGN STRESS (CONCRETE):

$f_y = 60,000$ (Bridge Superstructure & New Portions of Substructure)
 $f_c = 3,500$

DESIGN STRESSES (STRUCTURAL STEEL):

$f_s = 27,000$ PSI, M223 (Grade 50) New
 $f_s = 20,000$ PSI, M183 Superstructure
 Design is based on Service Load Design Method
 $f_y = 33,000$ PSI (Assumed) Existing
 Allowable Service Load Stress } Superstructure
 $= 18,000$ PSI

LOADING:

H20-44
 Future Surface Course = 25 PSF.

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY

James J. Robinson
 Engineer of Bridges and Structures



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PLAN & ELEVATION
 F.A.P. ROUTE 525 (U.S. ROUTE 14)
 OVER NORTH SHORE CHANNEL
 SECTION 60B-1-R(81)
 COOK COUNTY
 STA. 116+57.00
 DRAWN BY: IMG
 DATE: 10-17-83
 CHECKED BY: GOWTLA

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 1 OF 25
 STRUCTURE NO. 016-0367

SHEET EX 1 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	22
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

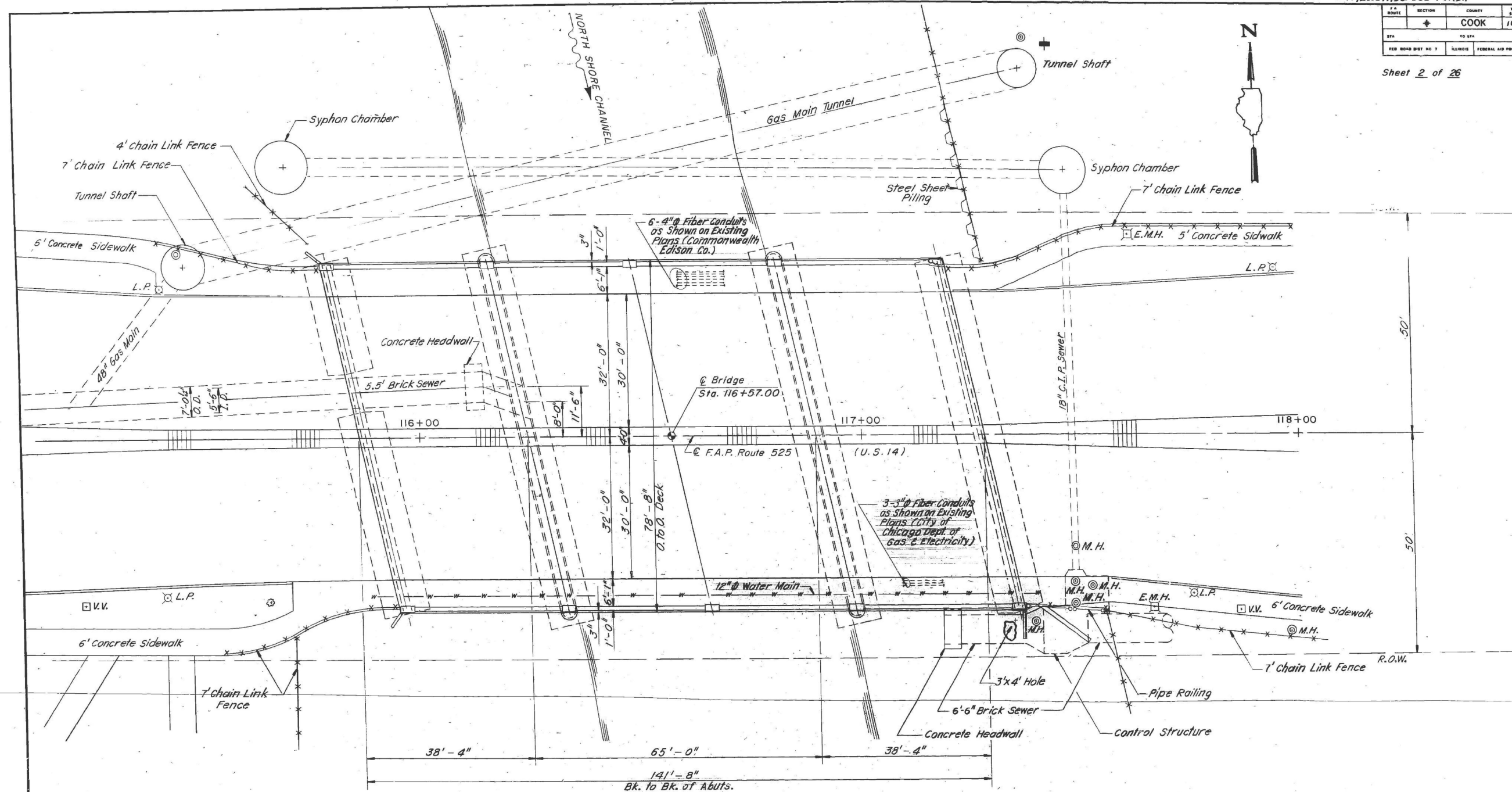
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PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

FOR INFORMATION ONLY

60(1,2 & 3)RS & 60B-1-R(81)

FA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	✚	COOK	102	28
STA		TO STA		
FED ROAD DIST NO 7		ILLINOIS	FEDERAL AID PROJECT 525	

Sheet 2 of 26



PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
EXISTING SUPERSTRUCTURE PLAN
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00

DATE: 10-17-83

DRAWN BY: IMG
CHECKED BY: GDN, TLR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 2 OF 25
STRUCTURE NO. 016-0367

SHEET EX 2 OF EX 25 SHEETS

[illegible]

ILLINOIS	FED. AID PROJECT
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CHECKED -	PRD	REVISED -
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REVISED	-

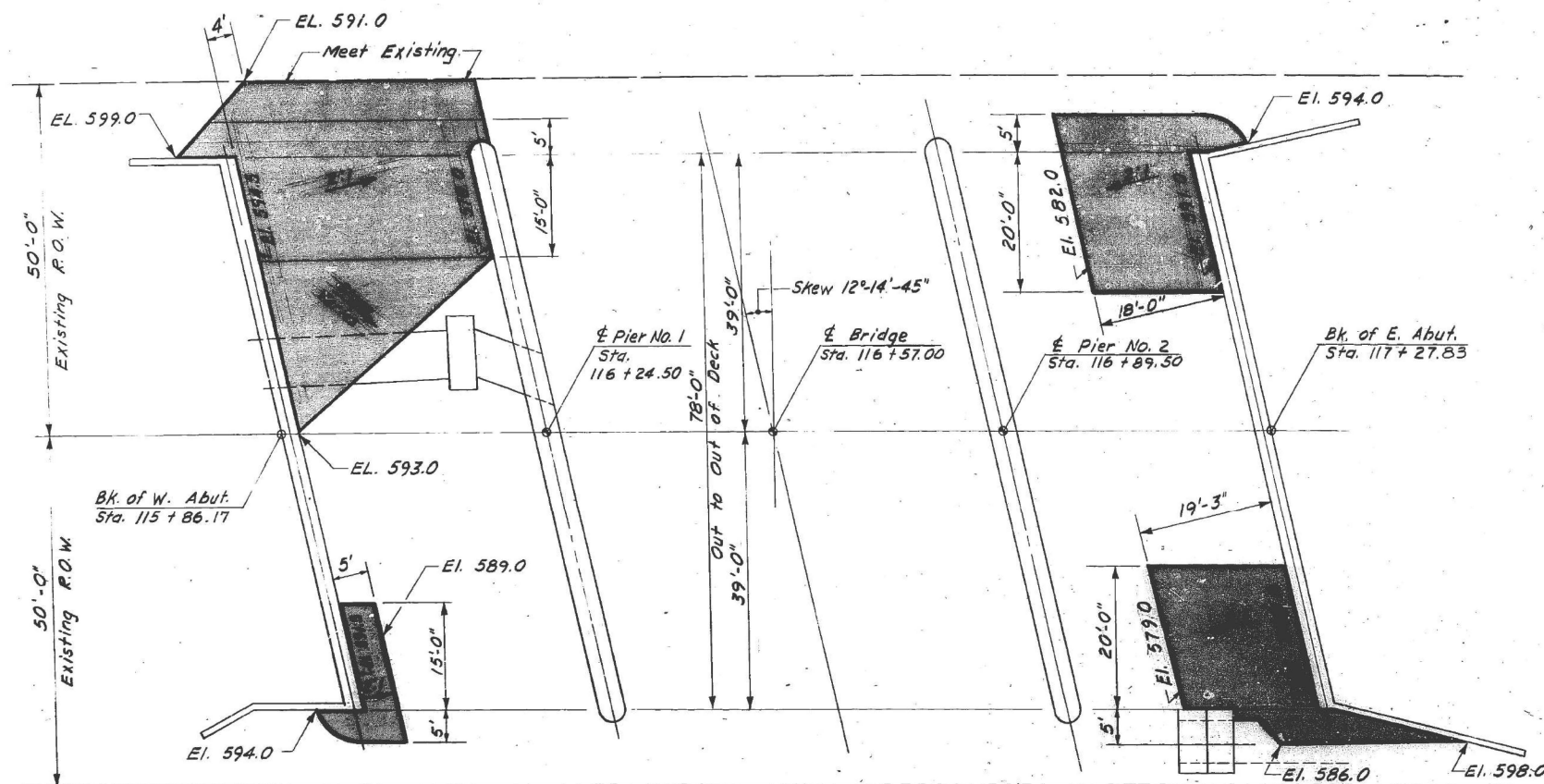
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FOR INFORMATION ONLY

60B-I-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	60B-I-R(81)	COOK	102	29
STA.	TO STA.	ILLINOIS	FED. AID PROJECT	525

Sheet 3 of 26



PLAN
Showing Limits of Broken Concrete Riprap

STATION: 116 + 57
REBUILT 198 BY
STATE OF ILLINOIS
F.A.P. RT. 525 F.A. PROJ.
SECTION 60B-I-R(81)
LOADING HS 20
STR. NO. 016-0367

NAME PLATE
SEE STANDARD 2113

GENERAL NOTES

- SEE SPECIAL PROVISIONS FOR SOIL BORING DATA.
- FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 7/8"Ø, OPEN HOLES 15/16"Ø, UNLESS OTHERWISE NOTED.
- THE BASIC LEAD SILICO CHROMATE PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED.
- ALL CONTACT SURFACES OF JOINTS FOR THE DIAPHRAGMS AND CROSS FRAMES SHALL BE FREE OF PAINT OR LACQUER.
- FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GIRDERS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
- ANCHOR BOLTS FOR NEW WIDE FLANGE BEAMS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.
- THE NEW MAIN LONG CARRYING WIDE FLANGE BEAMS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2.
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 OR M-53 GRADE 60.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING MINIMUM CERTIFIED PROOF LOAD = 4,000 LBS., AND 3/4"Ø x 12" HOOKED BOLTS.
- THE CONTRACTOR SHALL DRIVE ONE TEST PILE IN A PERMANENT LOCATION AT THE WEST ABUTMENT AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
- ALL EXISTING STRUCTURAL STEEL TO BE CLEANED 10 FEET EITHER SIDE OF DECK JOINTS BY METHOD I; REMAINDER OF EXISTING STRUCTURAL STEEL TO BE CLEANED BY METHOD II. PAINTING SHALL BE WITH THE BASIC LEAD SILICO CHROMATE PAINT SYSTEM. METHOD I CLEANED AREAS SHALL RECEIVE A FULL APPLICATION AND METHOD II CLEANED AREAS A SPOT APPLICATION OF THE BULL CRANNE PRIMER. ALL STEEL SHALL BE GIVEN A FULL APPLICATION OF THE WARDON-FIRST FIELD COAT AND THE INTERSTATE GREEN FINAL FIELD COAT.
- DRAINS SHALL BE LOCATED CLEAR OF ALL DIAPHRAGMS.
- EXISTING NAME PLATE SHALL BE CLEANED AND REMOVED AND REMOUNTED BESIDE NEW NAME PLATE. COST INCIDENTAL.
- CALCULATED WEIGHTS OF NEW STRUCTURAL STEEL:
M 223 : 71,900 LBS. (NEW STEEL BEAMS)
M 183 : 33,900 LBS. (NEW STRUCTURAL DIAPHRAGMS, BEARINGS, ETC.)

TOTAL BILL OF MATERIALS				
ITEM	UNIT	SUB-STRUCTURE	SUPER-STRUCTURE	TOTAL
*REMOVAL OF EXISTING CONCRETE DECK	L.S.		1	1
STRUCTURE EXCAVATION	CU.YD.	105	-	105
CROSOILED PILES 20.1' to 38'	LIN.FT.	338	-	338
TEST PILES (TIMBER)	EA.	1	-	1
CLASS X CONCRETE	CU.YD.	111.0	323.0	434.0
REINFORCEMENT BARS	LB.	11,860	-	11,860
REINFORCEMENT BARS (EPOXY COATED)	LB.	-	71,510	71,510
EXPANSION BOLTS (3/4"Ø)	EA.	403	-	403
PROTECTIVE COAT	SQ.YD.	-	1,326	1,326
FURNISHING AND ERECTING STRUCTURAL STEEL	L.S.	-	1	1
STRUCTURAL STEEL REPAIRS	LBS	-	3,430	3,430
CLEANING & PAINTING STEEL BRIDGE	L.S.	-	1	1
PREFORMED JOINT SEAL (2 1/2")	LIN.FT.	-	81	81
PREFORMED JOINT SEAL (4")	LIN.FT.	-	81	81
WAVE PLATES	EA.	-	1	1
BROKEN CONCRETE RIPRAP	SQ.YD.	300	-	300
FLOOR DRAINS	EA.	-	16	16
ALUMINUM RAILING, TYPE L	LIN.FT.	-	355	355
Repair Concrete Structures	SQ.FT.	90.9	-	90.9
EPOXY CRACK SEALING	LIN.FT.	314	-	314
JACKING AND SHORING EXISTING GIRDERS	L.S.	-	-	1
TEMPORARY CONCRETE BARRIER	LIN.FT.	-	142	142
POROUS GRANULAR BACKFILL	CU.YD.	92	-	92
PIPE DRAINS (PERFORATED)	LIN.FT.	164	-	164
PIPE DRAINS (NON-PERFORATED)	LIN.FT.	46	-	46
CONCRETE REMOVAL	CU. YDS.	28.3	-	28.3
Concrete Deck Hanger Inserts	L.S.		1	1
Temporary Sheet Piling	Sq.Ft.	235	-	235

- ① TO BE PAID FOR AS PIPE UNDERDRAINS, PERF. CORR. STEEL PIPE 6"
② TO BE PAID FOR AS PIPE DRAINS, CORRUGATED STEEL 6"

* Removal of Expansion devices at Piers 1 and 2 are incidental to Removal of Existing Concrete Deck.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
RIPRAP DETAILS, QUANTITIES, & GENERAL NOTES
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-I-R(81)
COOK COUNTY
STA. 116+57.00
DATE : 10-17-83
DRAWN BY MPE
CHECKED BY TLR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 3 OF 25
STRUCTURE NO. 016-0367

SHEET EX 3 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	24
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

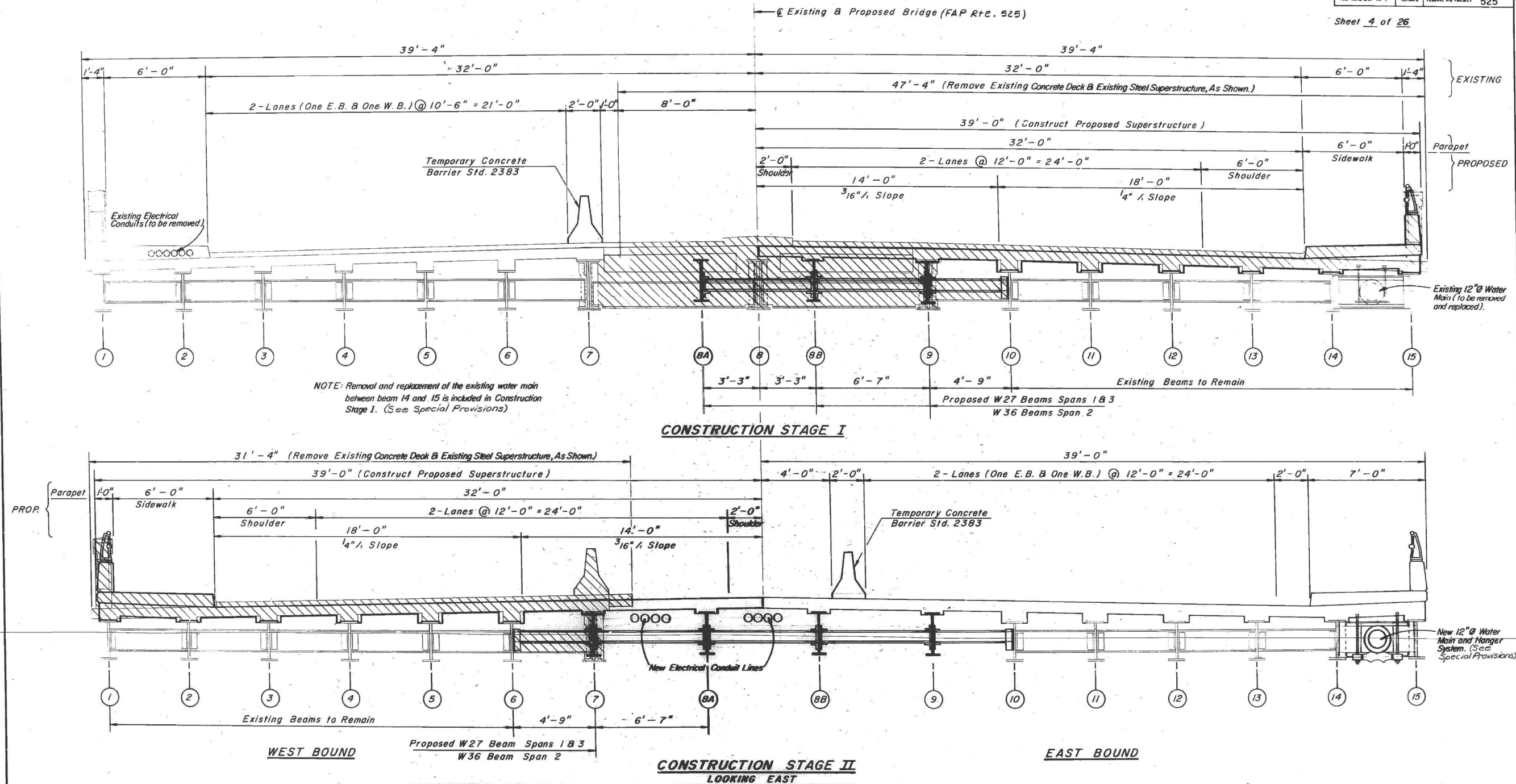
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PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

FOR INFORMATION ONLY

608-1-R(81)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	ILZ	30	
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FEDERAL AID PROJECT	525	

Sheet 4 of 26



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BLA, Inc.

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PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 4 OF 25
STRUCTURE NO. 016-0367

SHEET EX 4 OF EX 25 SHEETS

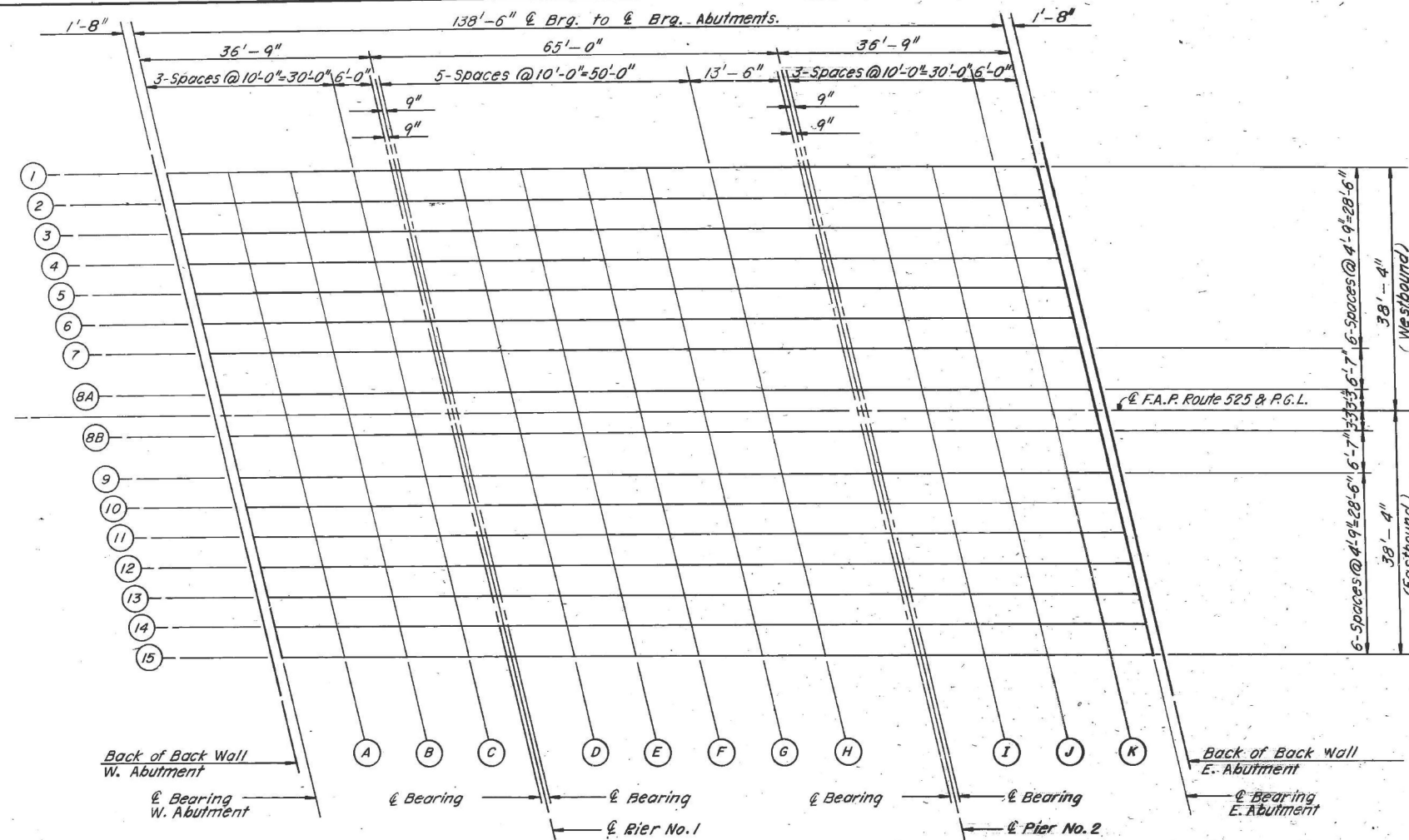
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CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

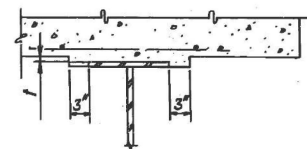
60B-1-R(81)

F. R. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	*	COOK	102	31
STA		TO STA		
FED ROAD DIST NO 3	ILLINOIS	FEDERAL AID PROJECT		525

Sheet 5 of 26

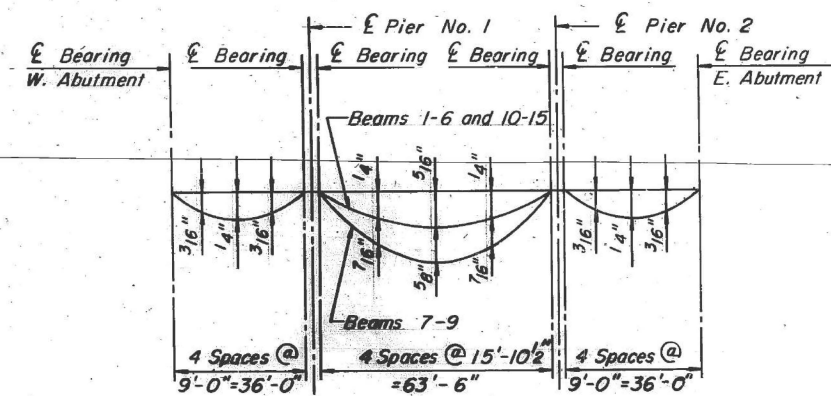


PLAN



After all new structural steel has been erected and all existing structural steel has been repaired for each construction stage, elevations of the top flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the Theoretical Grade Elevations Adjusted For Dead Load Deflection shown on sheet 6 minus slab thickness equals the fillet heights above top flange of beams.

METHOD OF DETERMINING FILLET HEIGHTS "f"



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations reported for dead load deflections as shown on sheet 6.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ELEVATION LOCATIONS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R (81)
COOK COUNTY
STA. 116+57.00
DRAWN BY: IMG & MPE
DATE : 10-17-83
CHECKED BY: GDW, TLR



USER NAME = jrodriguez	DESIGNED - MTW	REVISED -
	CHECKED - PRD	REVISED -
PLOT SCALE = 0.2" = 1 in.	DRAWN - MTW	REVISED -
PLOT DATE = 9/19/2025	CHECKED - PRD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLANS 5 OF 25
STRUCTURE NO. 016-0367

SHEET EX 5 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	26
		CONTRACT NO. 62Y30		
ILLINOIS		FED. AID PROJECT		

FOR INFORMATION ONLY

60B-I-R(81)

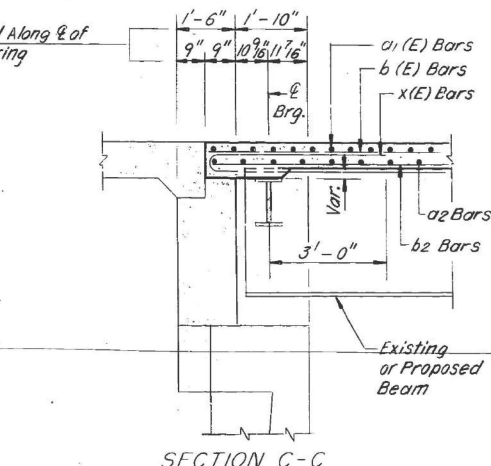
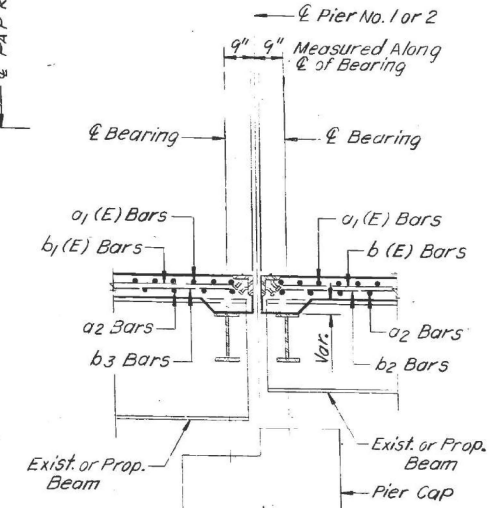
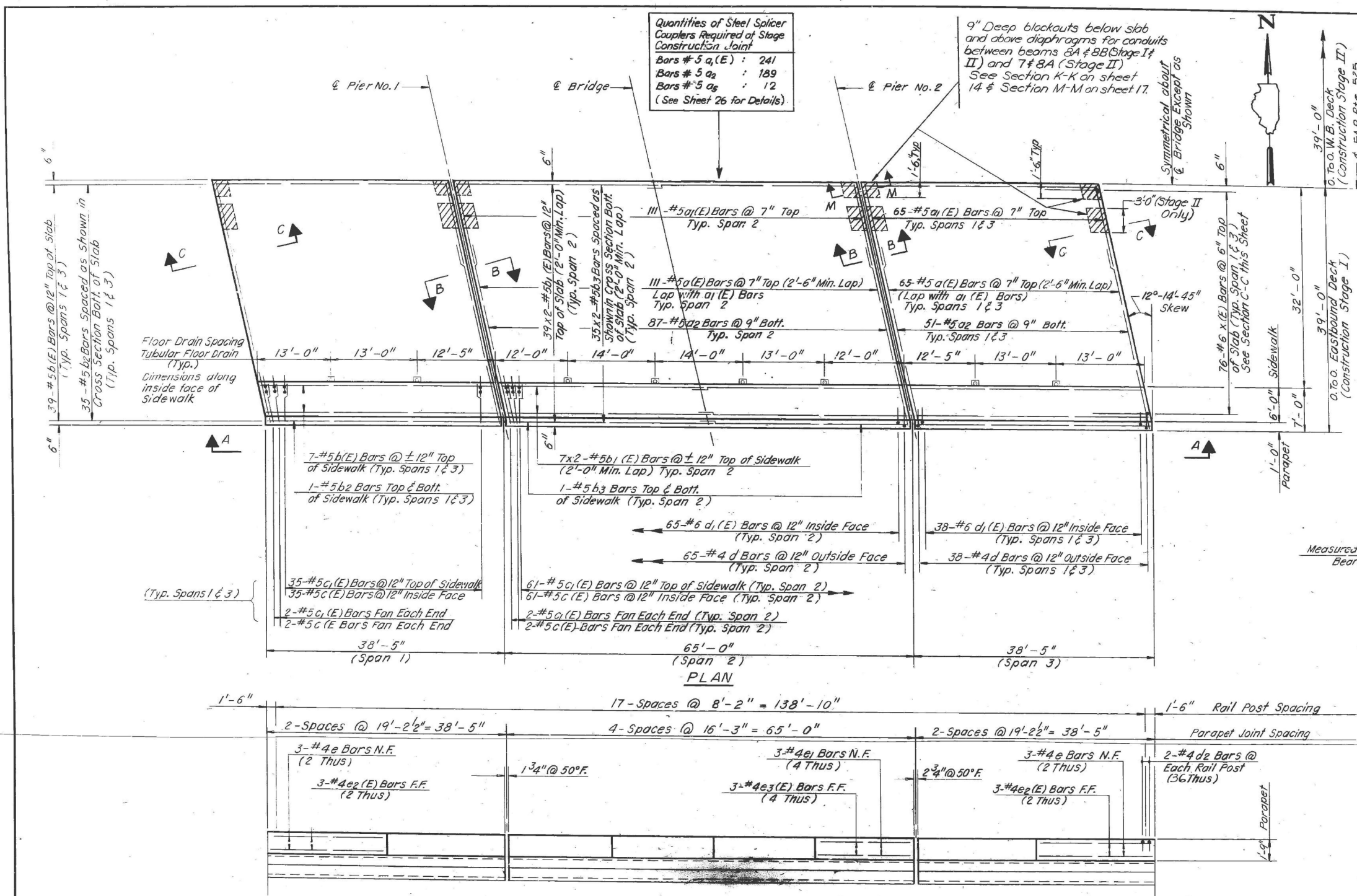
F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	ILL.	32	
STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
				525

Sheet 6 of 26

BEAM OR GIRDER	LINE	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
LEFT 1	BBWWA	11577.76	38.333	600.917	600.917
	CBWA	11579.43	38.333	600.943	600.943
	A	11589.43	38.333	601.088	601.104
	B	11599.43	38.333	601.213	601.233
	C	11609.43	38.333	601.318	601.329
	CWB1	11615.43	38.333	601.372	601.372
	CEB1	11616.93	38.333	601.384	601.384
	D	11626.93	38.333	601.454	601.467
	E	11636.93	38.333	601.504	601.526
	F	11646.93	38.333	601.534	601.560
	G	11656.93	38.333	601.544	601.568
	H	11666.93	38.333	601.534	601.551
	CWB2	11680.43	38.333	601.489	601.489
	CEB2	11681.93	38.333	601.492	601.482
	I	11691.93	38.333	601.422	601.438
	J	11701.93	38.333	601.342	601.362
	K	11711.93	38.333	601.242	601.253
	BBWEA	11717.93	38.333	601.173	601.173
LEFT 2	BBWWA	11578.79	33.583	601.032	601.032
	CBWA	11580.46	33.583	601.058	601.058
	A	11590.46	33.583	601.201	601.216
	B	11600.46	33.583	601.324	601.344
	C	11610.46	33.583	601.427	601.438
	CWB1	11616.46	33.583	601.479	601.495
	CEB1	11617.96	33.583	601.491	601.491
	D	11627.96	33.583	601.559	601.572
	E	11637.96	33.583	601.607	601.629
	F	11647.96	33.583	601.635	601.661
	G	11657.96	33.583	601.643	601.666
	H	11667.96	33.583	601.631	601.648
	CWB2	11681.46	33.583	601.583	601.583
	CEB2	11682.96	33.583	601.576	601.576
	I	11692.96	33.583	601.514	601.530
	J	11702.96	33.583	601.432	601.452
	K	11712.96	33.583	601.330	601.341
	BBWEA	11718.96	33.583	601.259	601.259
LEFT 3	BBWWA	11579.82	28.833	601.147	601.147
	CBWA	11581.49	28.833	601.172	601.172
	A	11591.49	28.833	601.313	601.329
	B	11601.49	28.833	601.434	601.454
	C	11611.49	28.833	601.535	601.546
	CWB1	11617.49	28.833	601.586	601.586
	CEB1	11618.99	28.833	601.598	601.598
	D	11628.99	28.833	601.664	601.677
	E	11638.99	28.833	601.710	601.721
	F	11648.99	28.833	601.736	601.752
	G	11658.99	28.833	601.742	601.765
	H	11668.99	28.833	601.728	601.744
	CWB2	11682.49	28.833	601.677	601.677
	CEB2	11683.99	28.833	601.669	601.669
	I	11693.99	28.833	601.605	601.621
	J	11703.99	28.833	601.521	601.541
	K	11713.99	28.833	601.417	601.428
	BBWEA	11719.99	28.833	601.345	601.345
LEFT 4	BBWWA	11580.85	24.083	601.261	601.261
	CBWA	11582.52	24.083	601.287	601.287
	A	11592.52	24.083	601.425	601.441
	B	11602.52	24.083	601.544	601.564
	C	11612.52	24.083	601.643	601.654
	CWB1	11618.52	24.083	601.693	601.693
	CEB1	11619.02	24.083	601.704	601.704
	D	11629.02	24.083	601.768	601.782
	E	11639.02	24.083	601.812	601.824
	F	11649.02	24.083	601.836	601.852
	G	11659.02	24.083	601.840	601.864
	H	11669.02	24.083	601.824	601.841
	CWB2	11683.52	24.083	601.771	601.771
	CEB2	11684.02	24.083	601.763	601.763
	I	11694.02	24.083	601.697	601.713
	J	11704.02	24.083	601.610	601.630
	K	11714.02	24.083	601.504	601.515
	BBWEA	11720.02	24.083	601.431	601.431
LEFT 5	BBWWA	11581.88	19.333	601.376	601.376
	CBWA	11583.55	19.333	601.401	601.401
	A	11593.55	19.333	601.538	601.553
	B	11603.55	19.333	601.654	601.674
	C	11613.55	19.333	601.751	601.762
	CWB1	11619.55	19.333	601.800	601.800
	CEB1	11620.05	19.333	601.811	601.811
	D	11630.05	19.333	601.873	601.886
	E	11640.05	19.333	601.915	601.936
	F	11650.05	19.333	601.937	601.962
	G	11660.05	19.333	601.938	601.962
	H	11670.05	19.333	601.920	601.937
	CWB2	11684.55	19.333	601.864	601.864
	CEB2	11685.05	19.333	601.856	601.856
	I	11695.05	19.333	601.788	601.803
	J	11705.05	19.333	601.699	601.719
	K	11715.05	19.333	601.591	601.602
	BBWEA	11721.05	19.333	601.517	601.517

BEAM OR GIRDER	LINE	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
LEFT 6	BBWWA	11582.91	14.583	601.490	601.490
	CBWA	11584.58	14.583	601.515	601.515
	A	11594.58	14.583	601.650	601.665
	B	11604.58	14.583	601.764	601.784
	C	11614.58	14.583	601.859	601.870
	CWB1	11620.58	14.583	601.906	601.906
	CEB1	11622.08	14.583	601.917	601.917
	D	11632.08	14.583	601.977	601.990
	E	11642.08	14.583	602.017	602.038
	F	11652.08	14.583	602.037	602.062
	G	11662.08	14.583	602.036	602.060
	H	11672.08	14.583	602.016	602.033
	CWB2	11686.58	14.583	601.957	601.957
	CEB2	11687.08	14.583	601.949	601.949
	I	11697.08	14.583	601.878	601.894
	J	11707.08	14.583	601.788	601.808
	K	11717.08	14.583	601.678	601.689
	CBEA	11723.08	14.583	601.602	601.602
BBWEA	11724.75	14.983	601.580	601.580	
LEFT 7	BBWWA	11583.94	9.833	601.583	601.583
	CBWA	11585.61	9.833	601.607	601.607
	A	11595.61	9.833	601.740	601.755
	B	11605.61	9.833	601.852	601.872
	C	11615.61	9.833	601.945	601.956
	CWB1	11621.61	9.833	601.991	601.991
	CEB1	11623.11	9.833	602.002	602.002
	D	11633.11	9.833	602.059	602.086
	E	11643.11	9.833	602.097	602.140
	F	11653.11	9.833	602.115	602.166
	G	11663.11	9.833	602.113	602.159
	H	11673.11	9.833	602.090	602.124
	CWB2	11686.61	9.833	602.029	602.029
	CEB2	11688.11	9.833	602.019	602.019
	I	11698.11	9.833	601.947	601.963
	J	11708.11	9.833	601.855	601.875
	K	11718.11	9.833	601.743	601.754
	CBEA	11724.75	9.833	601.666	601.666
BBWEA	11725.78	9.833	601.643	601.643	
LEFT 8A	BBWWA	11585.37	3.250	601.706	601.706
	CBWA	11587.04	3.250	601.730	601.730
	A	11597.04	3.250	601.860	601.876
	B	11607.04	3.250	601.970	601.990
	C	11617.04	3.250	602.060	602.070
	CWB1	11623.04	3.250	602.104	602.104
	CEB1	11624.54	3.250	602.114	602.114
	D	11634.54	3.250	602.169	602.195
	E	11644.54	3.250	602.204	602.247
	F	11654.54	3.250	602.219	602.270
	G	11664.54	3.250	602.214	602.260
	H	11674.54	3.250	602.188	602.222
	CWB2	11688.04	3.250	602.123	602.123
	CEB2	11689.54	3.250	602.113	602.113
	I	11699.54	3.250	602.038	602.054
	J	11709.54	3.250	601.943	601.963
	K	11719.54	3.250	601.828	601.839
	CBEA	11725.54	3.250	601.749	601.749
BBWEA	11727.21	3.250	601.726	601.726	
LEFT 8B	BBWWA	11586.78	-3.250	601.726	601.726
	CBWA	11588.45	-3.250	601.749	601.749
	A	11598.45	-3.250	601.876	601.892
	B	11608.45	-3.250	601.984	602.004
	C	11618.45	-3.250	602.071	602.081
	CWB1	11624.45	-3.250	602.113	602.113
	CEB1	11625.95	-3.250	602.123	602.123
	D	11635.95	-3.250	602.175	602.202
	E	11645.95	-3.250	602.207	602.250
	F	11655.95	-3.250	602.219	602.271
	G	11665.95	-3.250	602.211	602.258
	H	11675.95	-3.250	602.183	602.217
	CWB2	11689.45	-3.250	602.114	602.114
	CEB2	11690.95	-3.250	602.104	602.104
	I	11700.95	-3.250	602.026	602.042
	J	11710.95	-3.250	601.928	601.948
	K	11720.95	-3.250	601.810	601.821
	CBEA	11726.95	-3.250	601.730	601.730
BBWEA	11728.62	-3.250	601.706	601.706	
LEFT 9	BBWWA	11588.21	-9.833	601.643	601.643
	CBWA	11589.88	-9.833	601.666	601.666
	A	11599.88	-9.833	601.790	601.806
	B	11609.88	-9.833	601.894	601.914
	C	11619.88	-9.833	601.979	601.999
	CWB1	11625.88	-9.833	602.019	602.019
	CEB1	11627.38	-9.833	602.029	602.029
	D	11637.38	-9.833	602.085	602.105
	E	11647.38	-9.833	602.107	602.150
	F	11657.38	-9.833	602.116	602.160
	G	11667.38	-9.833	602.108	602.152
	H	11677.38	-9.833	602.075	602.108
	CWB2	11690.95	-9.833	602.002	602.002
	CEB2	11692.38	-9.833	601.991	601.991
	I	11702.38	-9.833	601.910	601.926
	J	11712.38	-9.833	601.870	601.890
	K	11722.38	-9.833	601.689	601.700
	CBEA	11728.38	-9.833	601.607	601.607
BBWEA	11729.08	-9.833	601.607	601.607	

FOR INFORMATION ONLY



ELEVATION A-A

- NOTES:**
- For Typical Cross Section & Bill of Material See Sheet No. 8
 - For Prefabricated Joint Sealer, Parapet Joint & Floor Drain Details See Sheet No. 9
 - Bars Indicated Thus 20 x 3 - #5 etc. Indicates 20 Lines of Bars with 3 Lengths.
 - For location of inserts to be embedded in the bottom of the new slab for conduit and pipe support hanger, refer to Sheet 14.
 - For detail M-M, refer to Sheet 17.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE PLAN & ELEVATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00
DRAWN BY: IMG
CHECKED BY: GDW,TLR
DATE: 10-17-83.

MODEL: B-Steel Consultant
FILE NAME: W:\191214 BDT 228010_T013_US14 over North Shore Channel\CADD Sheets\0160367-621304010 thru 01034-Existing Plans.dgn
9/19/2025 10:26:34 AM

BLA, Inc.

USER NAME = jrodriguez	DESIGNED - MTW	REVISED -
PLOT SCALE = 0.2" / 1'	CHECKED - PRD	REVISED -
PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 7 OF 25
STRUCTURE NO. 016-0367

SHEET EX 7 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	28
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

60B-I-R(81)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60B-I-R(81)	COOK	102	34

Sheet 8 of 26

BILL OF MATERIAL

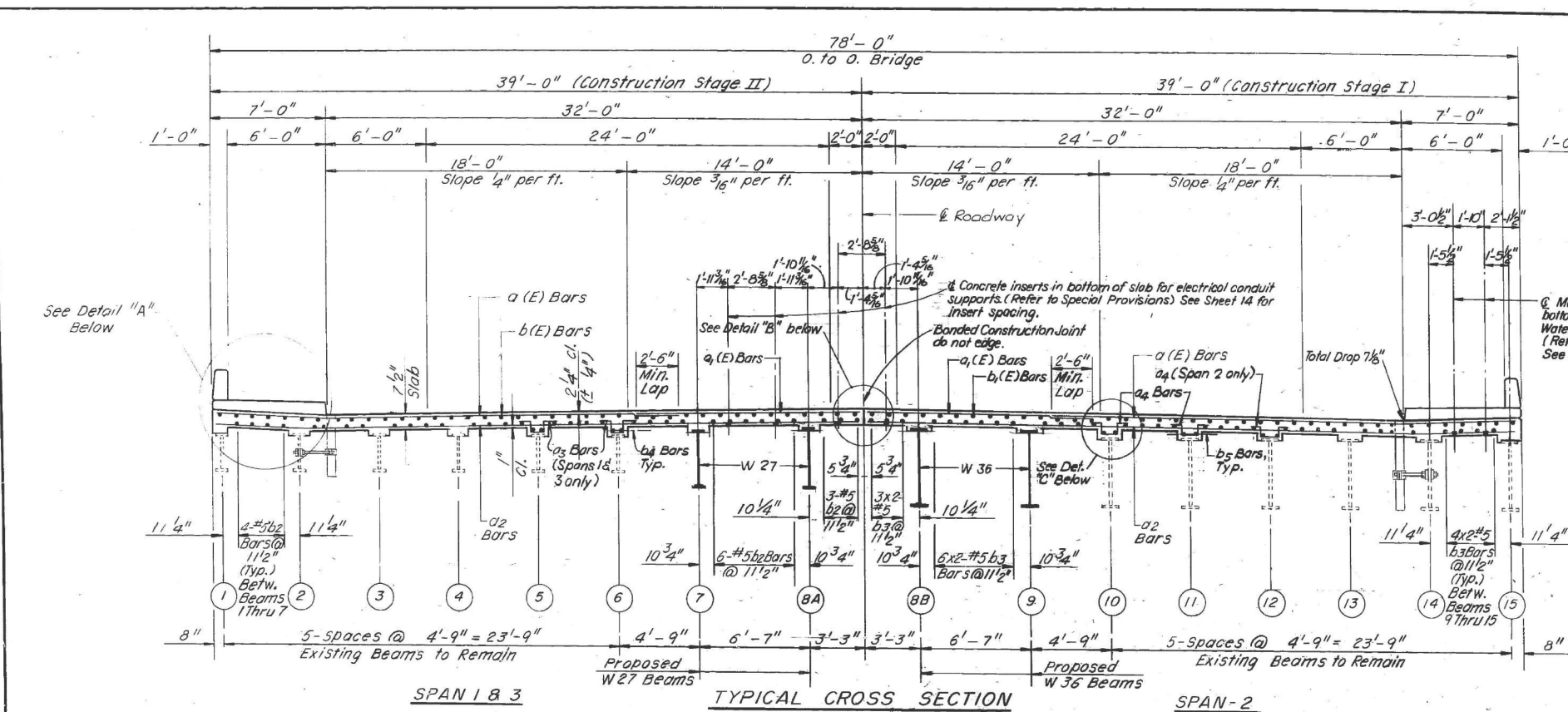
Bar	No.	Size	Length	Shape
a (E)	482	#5	23'-5"	
a ₁ (E)	482	#5	13'-7"	
a ₂	378	#5	39'-6"	
a ₃	132	#4	2'-10"	U
a ₄	104	#4	3'-4"	U
a ₅	24	#5	6'-0"	
b (E)	184	#5	37'-11"	
b ₁ (E)	184	#5	33'-4"	
b ₂	148	#5	37'-11"	
b ₃	148	#5	33'-4"	
b ₄	8	#5	37'-11"	
b ₅	12	#5	33'-4"	
c (E)	286	#5	2'-5"	L
c ₁ (E)	286	#5	6'-8"	
d	282	#4	3'-10"	L
d ₁ (E)	282	#6	3'-9"	L
d ₂	72	#4	2'-1"	U
e	24	#4	18'-10"	
e ₁	24	#4	15'-11"	
e ₂ (E)	24	#4	18'-10"	
e ₃ (E)	24	#4	15'-11"	
x (E)	304	#6	5'-2"	C
x ₁ (E)	72	#4	4'-4"	U
Item			Unit	Quantity
Removal of Existing Conc. Deck			L. Sum	1
Class X Concrete			Cu. Yd.	323
Reinforcement Bars (Epoxy Coated)			Lbs.	71,510
Floor Drains			Each	16

All reinforcement bars in deck shall be epoxy coated.
Bill of Material shown includes E.B. & W.B. Lanes.
Work this sheet with sheet 7.

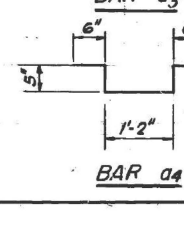
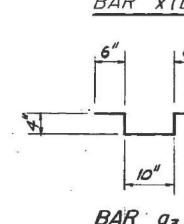
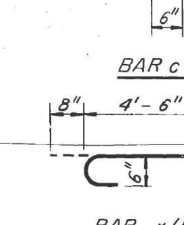
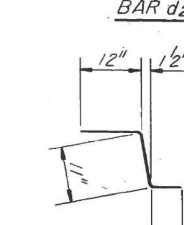
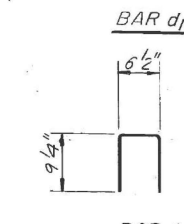
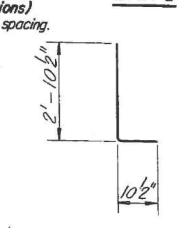
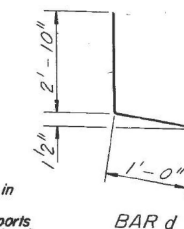
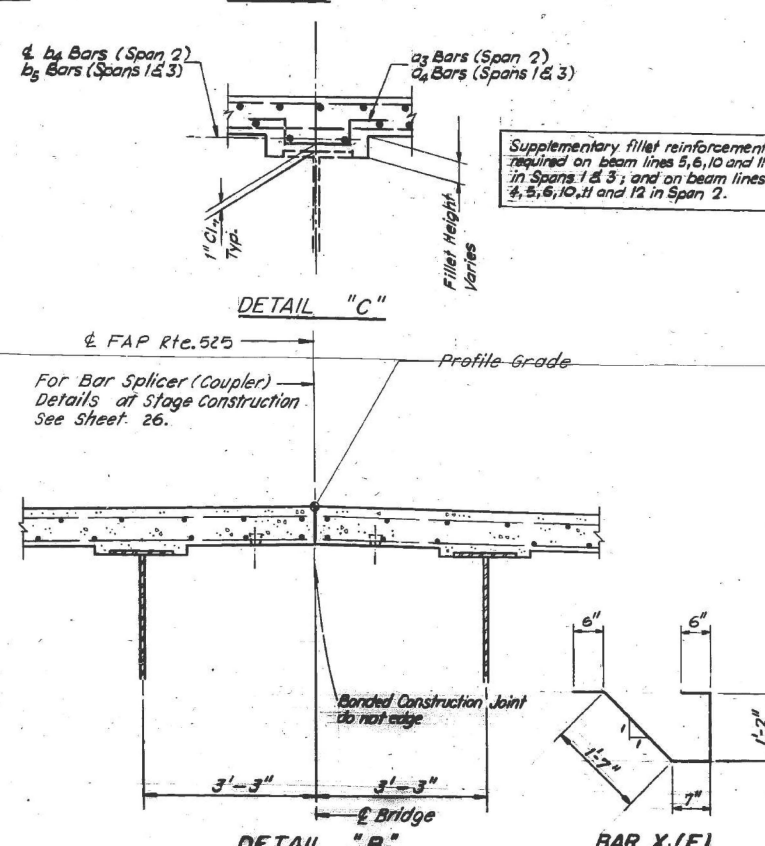
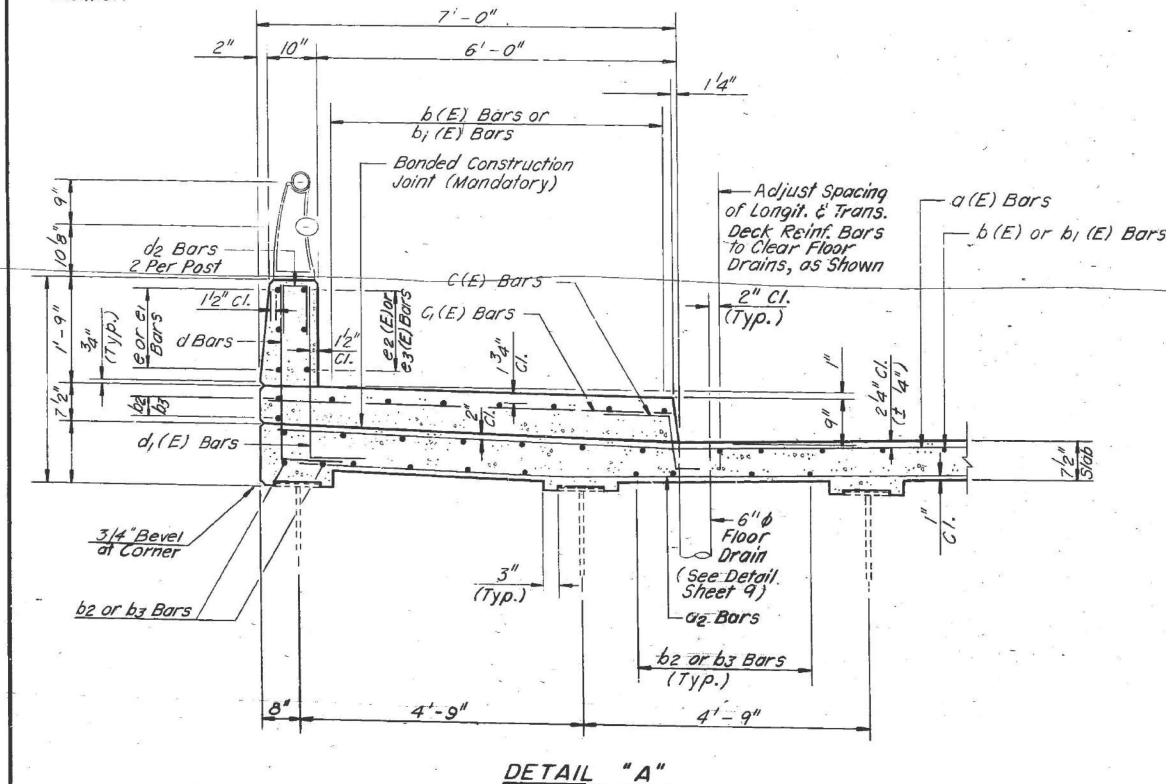
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE CROSS SECTION & DETAILS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-I-R(81)
COOK COUNTY
STA. 116+57.00
DRAWN BY: IMG
CHECKED BY: GDW,TLR

DATE: 10-17-83

8



NOTE: All edges shall have 3/4" chamfer.



USER NAME = Jrodriguez	DESIGNED - MTW	REVISED -
PLOT SCALE = 0.2" / 1"	CHECKED - PRD	REVISED -
PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 8 OF 25
STRUCTURE NO. 016-0367

SHEET EX 8 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	29

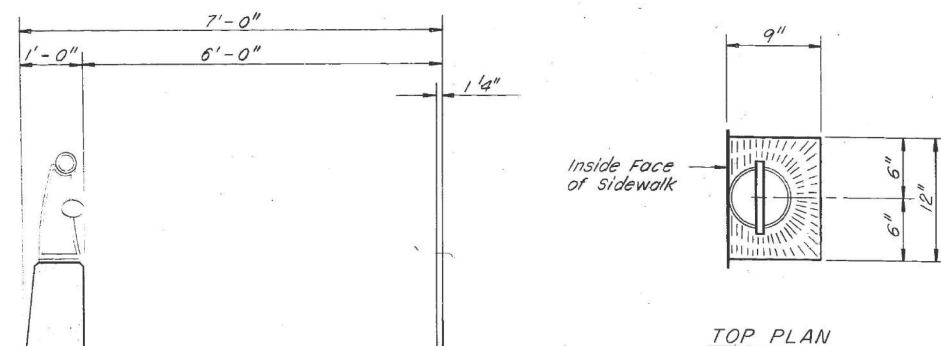
CONTRACT NO. 62Y30

ILLINOIS FED. AID PROJECT

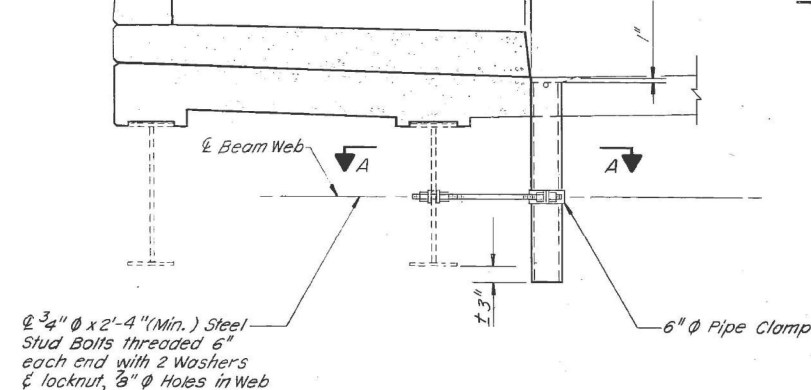
60B-1-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	104	35	
STA.	TO STA.	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 9 of 26



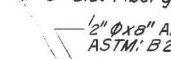
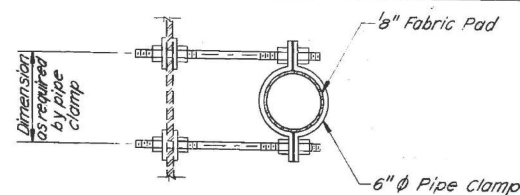
TOP PLAN

SECTION AT PARAPET
The surface of the fiberglass pipe shall be free of bond inhibiting agents1/2" x 8" Aluminum Bar
ASTM: B211 alloy 6061-T6

FIBERGLASS PIPE

6" O.D. Aluminum Tube alloy 6061-T6 or
6" Dia. Fiberglass Pipe

ALUMINUM TUBE

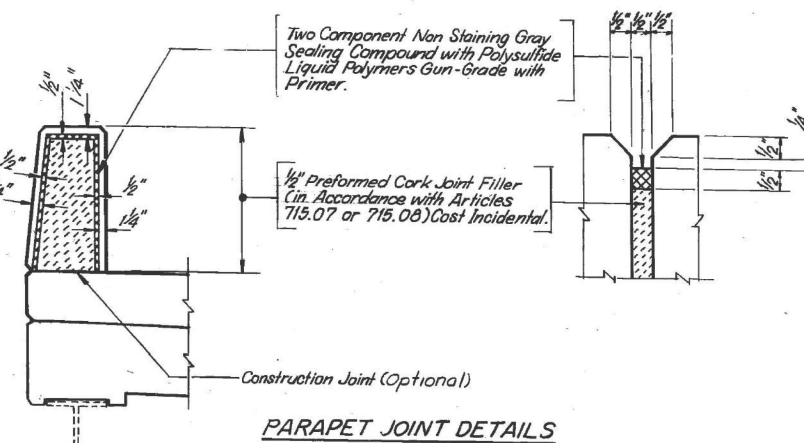
1/2" x 8" Aluminum Bar
ASTM: B211 alloy 6061-T6TOP PLAN
(Showing Aluminum Tube)

SECTION A-A

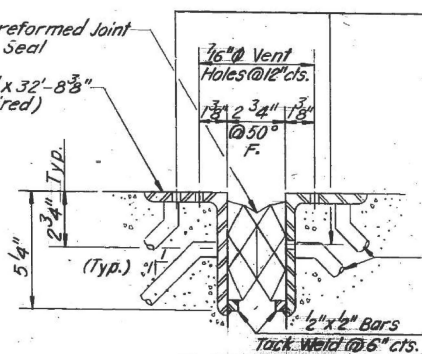
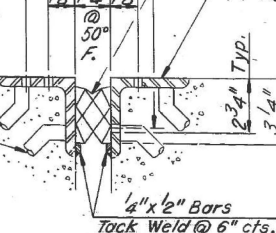
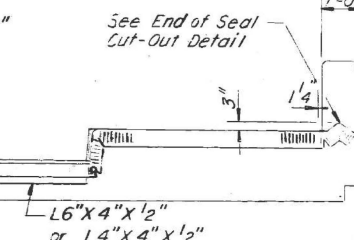
NOTE:

Fiberglass pipe shall conform to ASTM D2996, with short time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the Floor Drain shall be painted with the Basic Lead Silico chromate painting specified for Structural Steel. The exterior surfaces of the Aluminum pipe shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SP1 & SSPC-PT3 prior to painting.

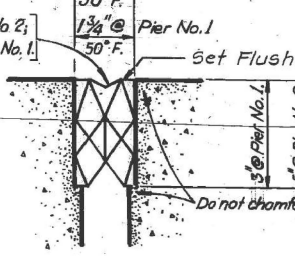
FLOOR DRAIN DETAILS



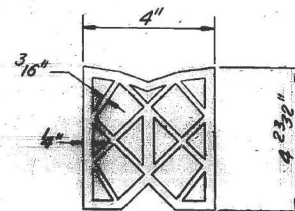
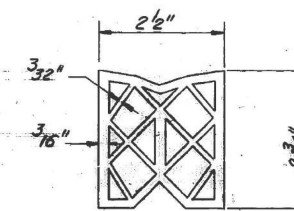
PARAPET JOINT DETAILS

4" Preformed Joint Seal
L 6" x 4" x 1/2" x 32'-8 3/8"
(4-Required)AT BRIDGE SLAB
AT PIER NO. 21/2" Holes @ 12" cts. for 3/8" Bolts
Set on 2 1/2" Gauge line.
All Bolts shall be Burned, Sawed
or Chipped off with the Back of
Angles after Forms are Removed2" Preformed Joint Seal
L 4" x 4" x 1/2" x 32'-8 3/8"
(4-Required)AT BRIDGE SLAB
AT PIER NO. 1

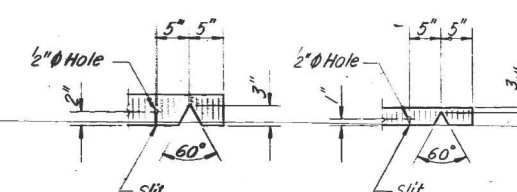
TYPICAL SEAL TREATMENT

4" Preformed Joint Seal @ Pier No. 2;
2 1/2" Preformed Joint Seal @ Pier No. 1

AT SIDEWALK

PREFORMED JOINT SEAL (4")
AT PIER NO. 2PREFORMED JOINT SEAL (2 1/2")
AT PIER NO. 1

PREFORMED JOINT SEAL DETAILS



4" SEAL CUT-OUT

2 1/2" SEAL CUT-OUT

BILL OF MATERIAL

Item	Unit	Quantity
Preformed Joint Seal (2 1/2")	Lin. Ft.	81
Preformed Joint Seal (4")	Lin. Ft.	81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+ 57.00

DATE: 10-17-83

DRAWN BY: IMG

CHECKED BY: GDW,TLR

9

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONEXISTING PLANS 9 OF 25
STRUCTURE NO. 016-0367

SHEET EX 9 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	30
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

USER NAME = jrodriguez	DESIGNED - MTW	REVISED -
PLOT SCALE = 0.2" = 1'-0"	CHECKED - PRD	REVISED -
PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

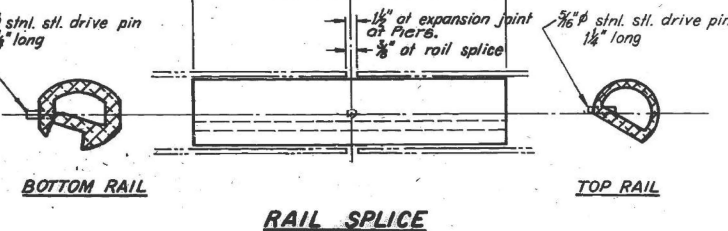
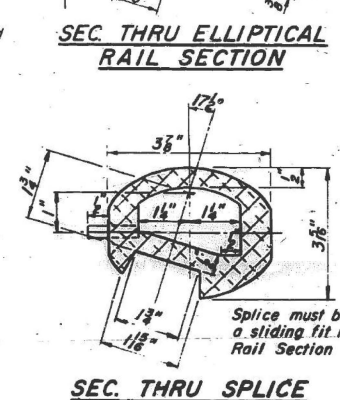
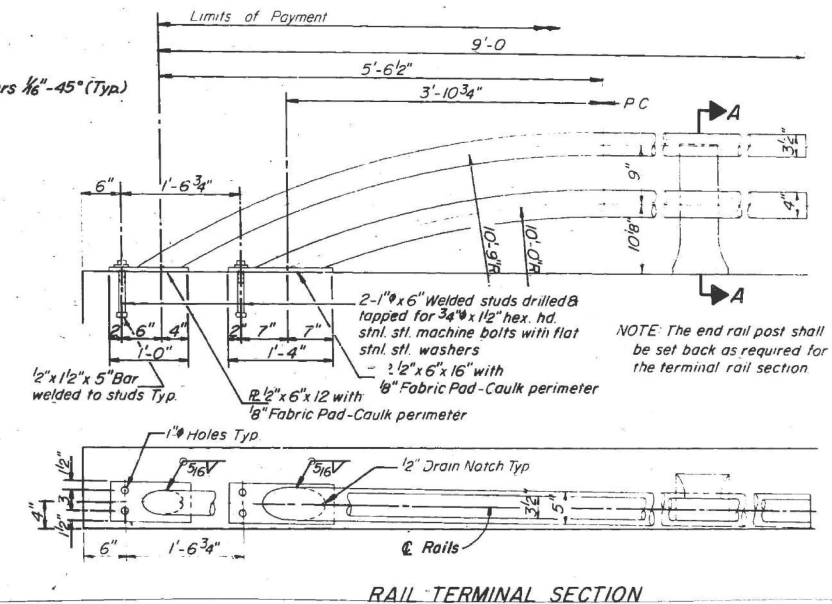
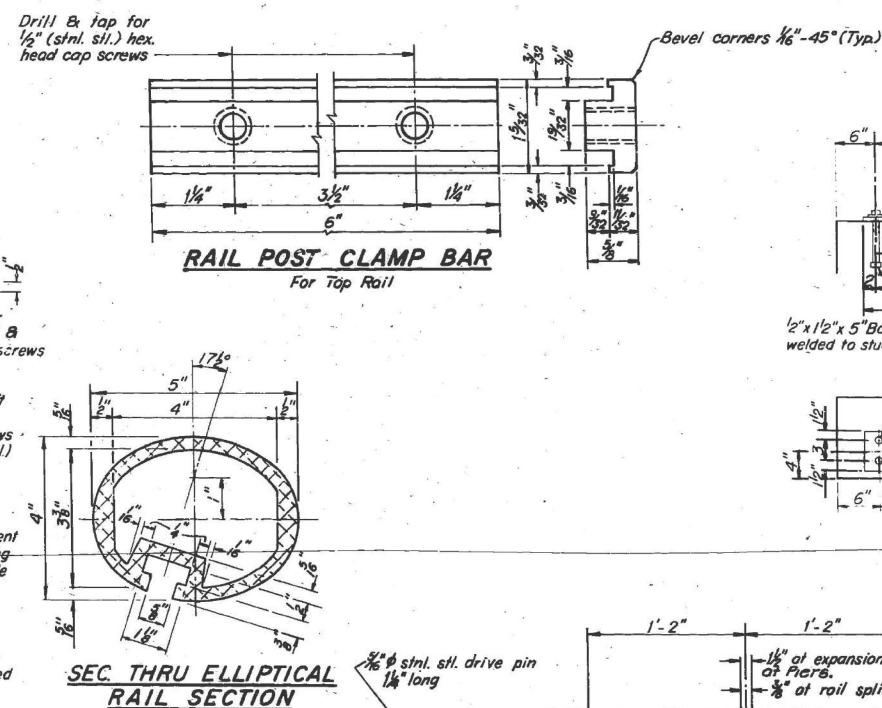
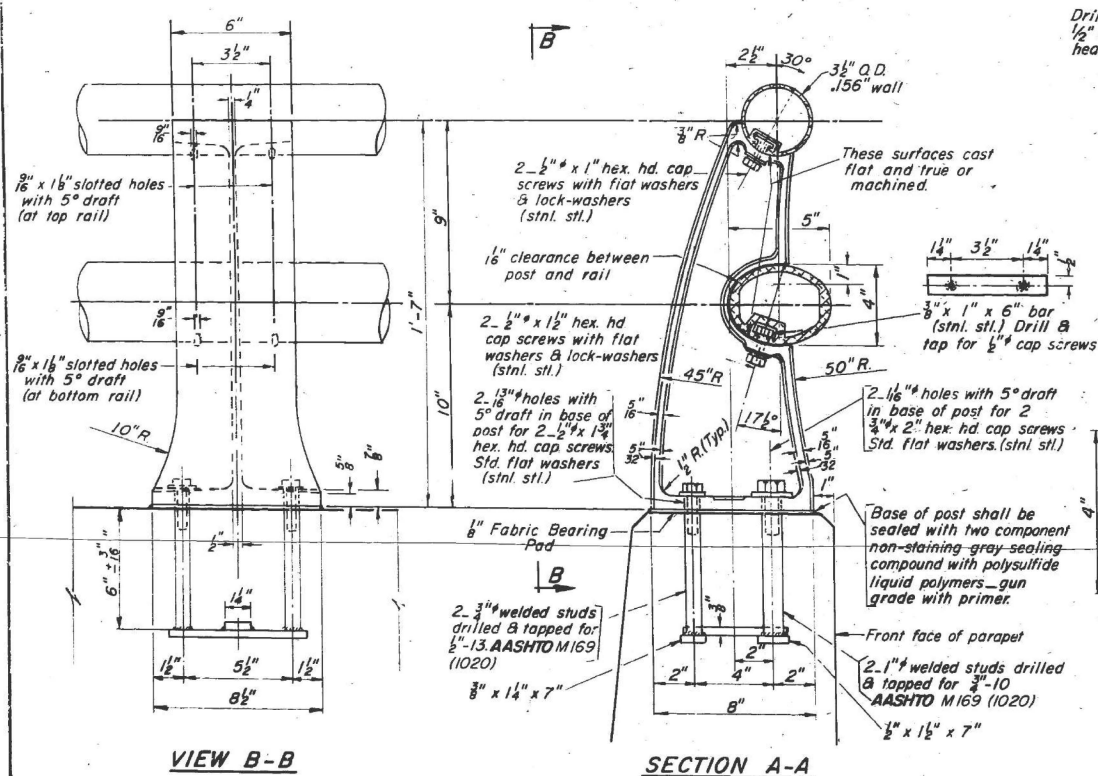
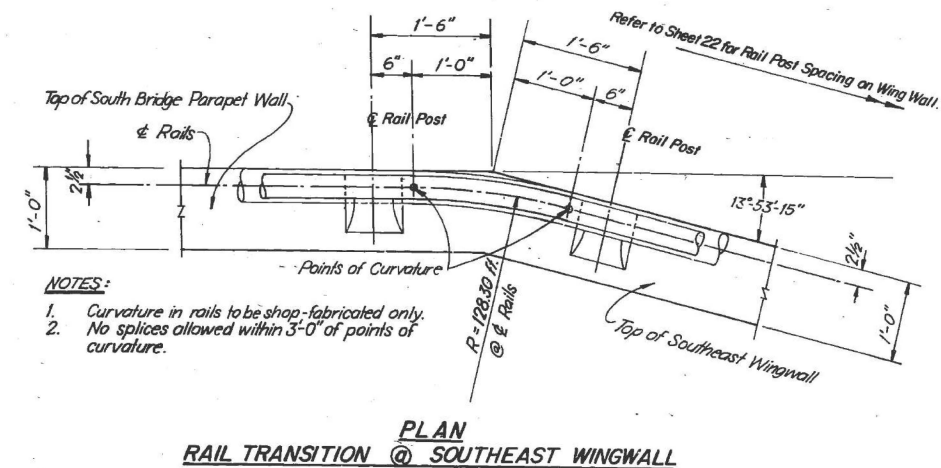
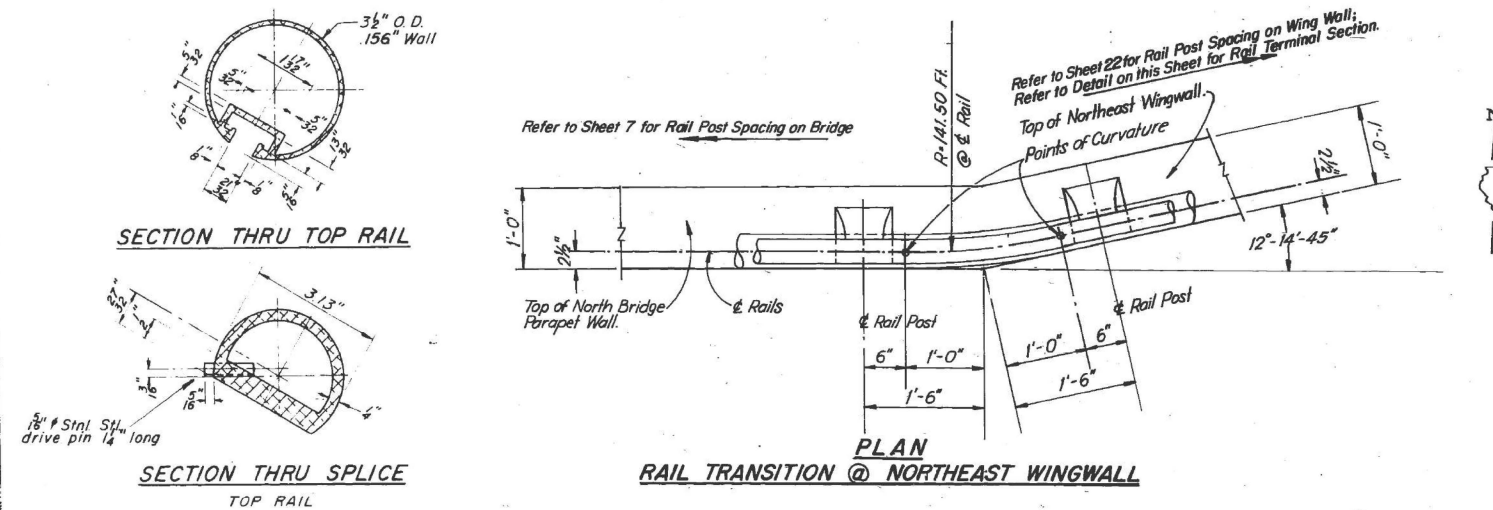
FOR INFORMATION ONLY

GOB-I-R(81)

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
S. B. I. F. A.	*	COOK	102	36
F&D ROAD DIST NO 7		ILLINOIS	F&D PROJECT	525

SHEET NO. 10
SHEETS 26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



<u>BILL of MATERIALS</u>		
<i>Item</i>	<i>Unit</i>	<i>Quantity</i>
ALUMINUM RAILING, TYPE L	Lin Ft.	355

TYPE L
ALUMINUM RAILING

F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R (81)
COOK COUNTY
STA. 116 + 57.00

NOTES:

All posts shall be normal to parapet.
All aluminum alloy or steel rail shall be supplied in modular lengths of 30' rail, except at the ends of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300' Rail radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.
All joints in rail shall be spliced per detail.
Provide 1 1/2" and 2 1/2" aluminum shims for 75 % of the posts.
Rail elements shall be parallel to grade. High spots shall be ground and low spots shimmed.

RAIL POST DETAILS

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for ALUMINUM RAILING, TYPE I.

Aluminum alloy rail shall conform to ASTM B 221 alloy 6061-T6 or 6351-T5 with minimum yield 35 ksi, minimum tensile 38 ksi, and elongation of 10 % in 2 inches.

SEC. THRU SPLICE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 10 OF 25
STRUCTURE NO. 016-0367

SHEET EX 10 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	31
CONTRACT NO. 62Y30				
	ILLINOIS	FED. AID PROJECT		

10

MODEL: Br_Sheet_Con consultant
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BLA, Inc.

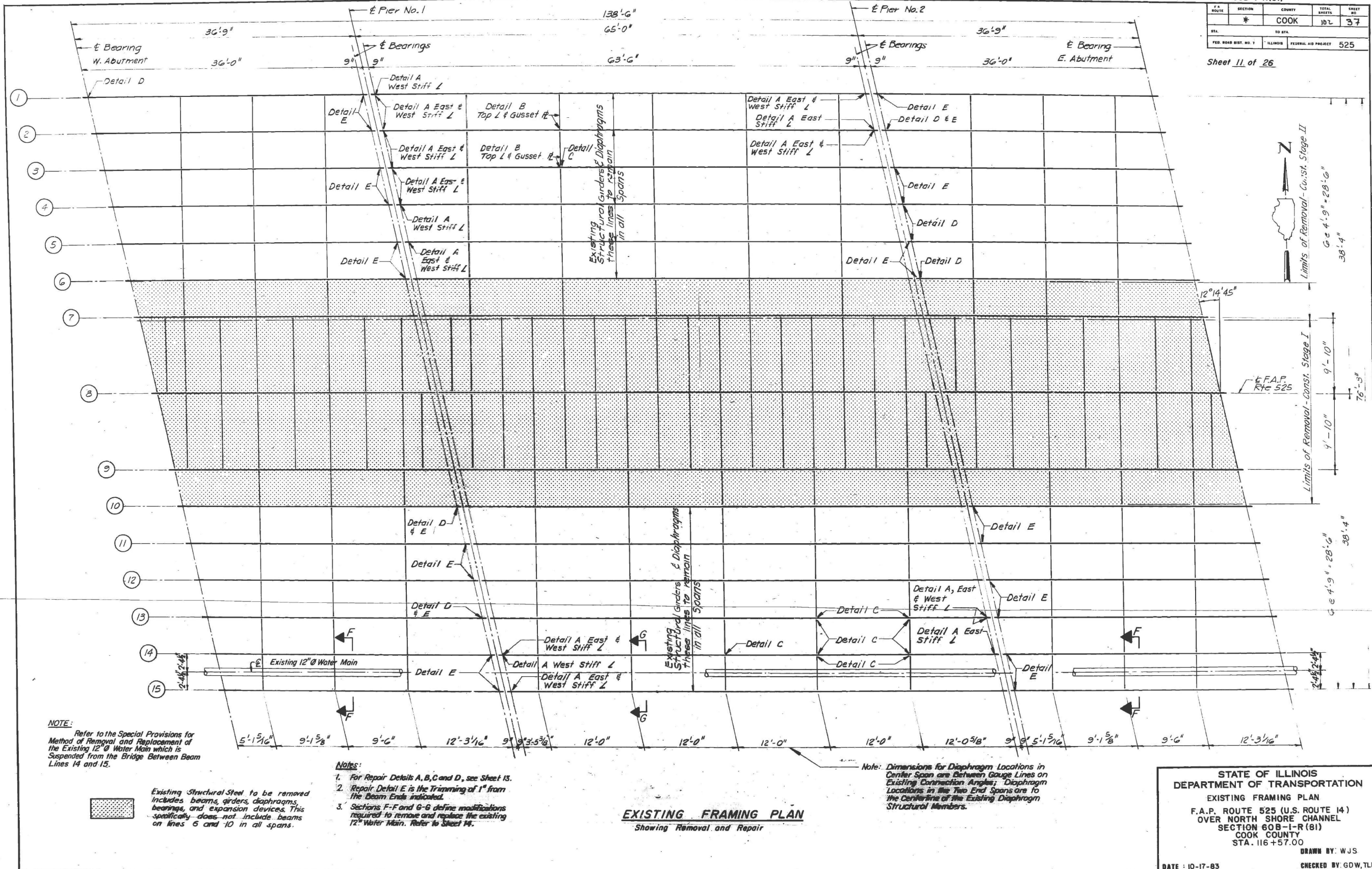
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FOR INFORMATION ONLY

60B-I-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	ILL.	107	37
FED. ROAD DIST. NO. 7				
ILLINOIS FEDERAL AID PROJECT 525				

Sheet 11 of 26



MODEL: B-Steel Consultant
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BLA, Inc.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 11 OF 25
STRUCTURE NO. 016-0367

SHEET EX 11 OF EX 25 SHEETS

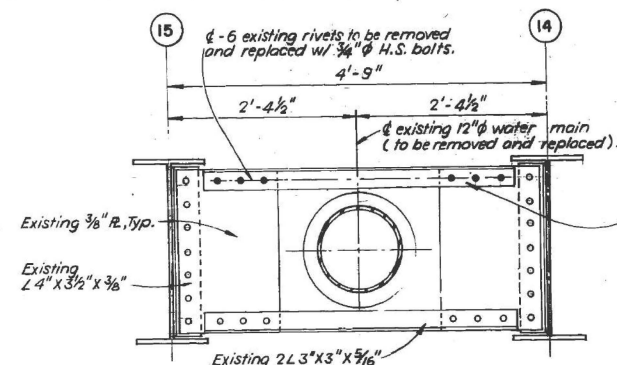
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ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62Y30

60B-1-R(81)

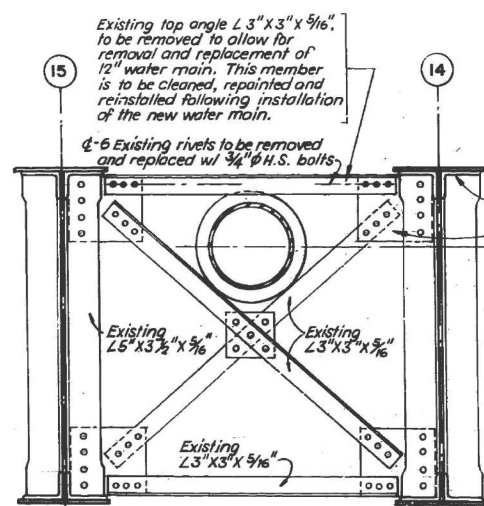
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341	60B&C-NRM	BDR, BJR 25	53	35
STA.	TO STA.	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 14 of 26



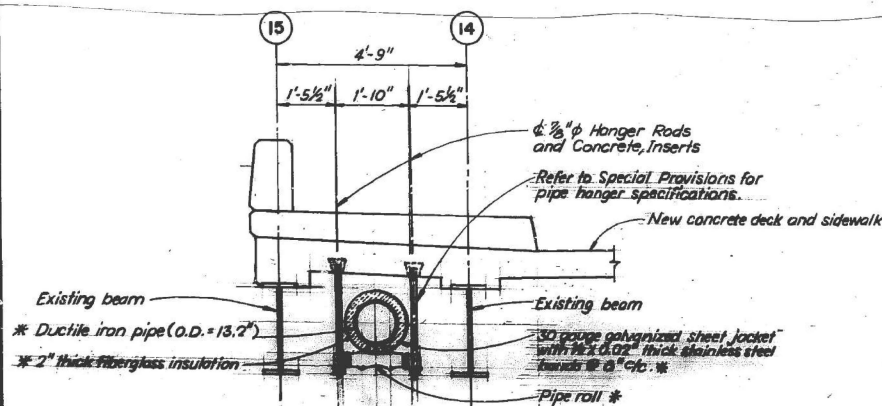
SECTION F-F

Detail for removal and replacement of intermediate diaphragm top angle to allow for installation of new water main.



SECTION G-G

Detail for removal and replacement of intermediate cross frame top angle to allow for installation of new water main.

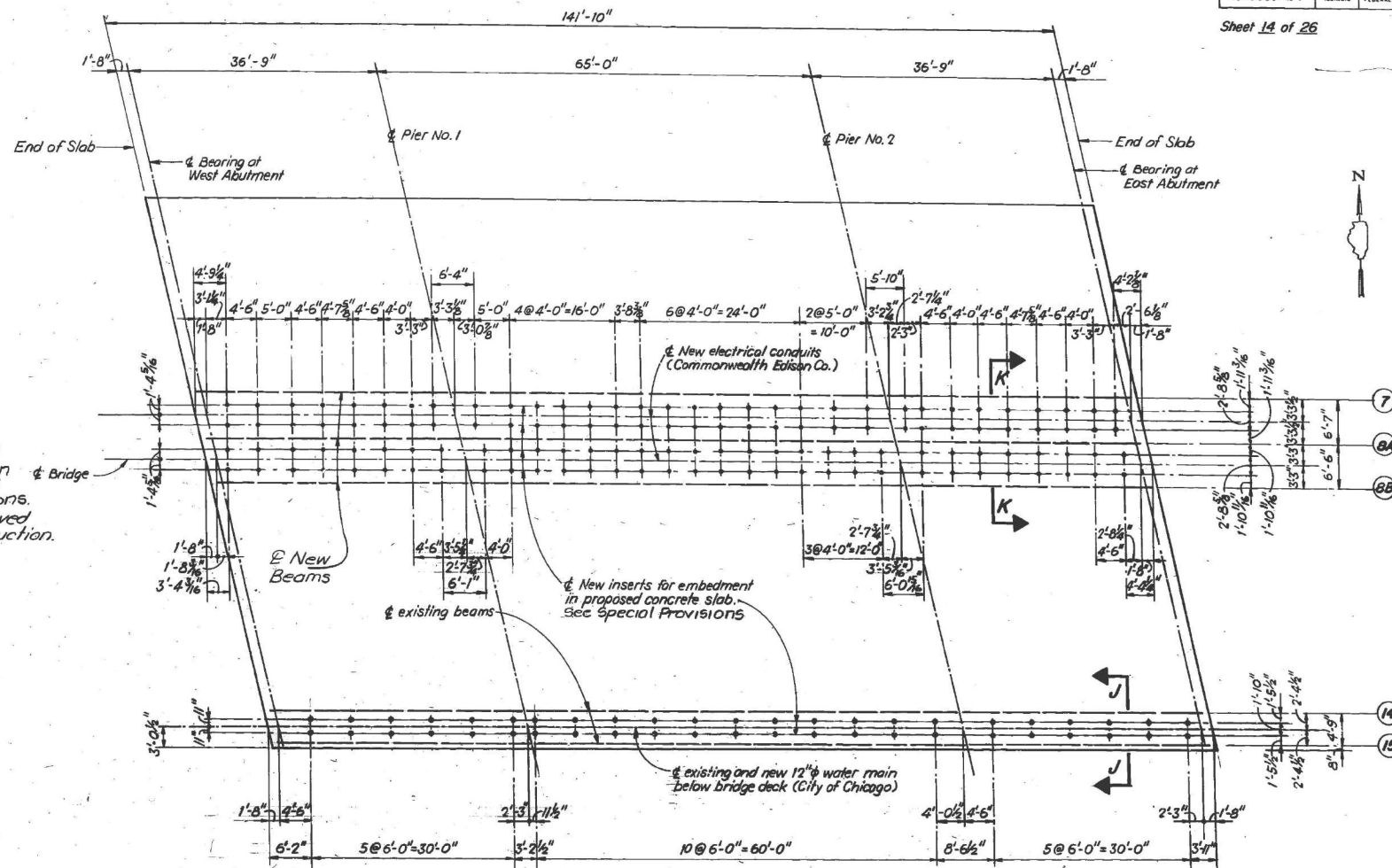


SECTION J-J

NOTE: Pipe to be installed by the City of Chicago Bureau of Water Distribution.

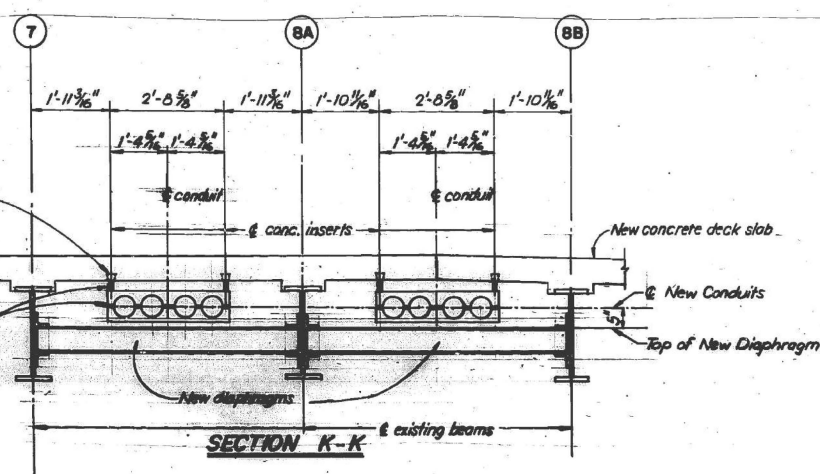
NOTES:

1. Refer to Sheet 11 for locations of Sections F-F and G-G.
2. All dimensions and existing member sizes must be field verified by contractor.
3. Darkened holes denote locations for removal of existing rivets and replacement with 3/4" H.S. bolts.
4. Open holes denote rivets to remain in place.
5. Contractor shall remove and dispose of existing water main as co-ordinated with City of Chicago, See Special Provisions. Water main shall be removed from service during construction.

LAYOUT PLAN FOR EMBEDDED INSERTS
IN CONCRETE SLAB

Refer to Special Provisions for conc. insert specifications.

Hanger rods and hanger assembly to be supplied and installed by Commonwealth Edison Co. (typ.)



SECTION K-K

Note: Refer to Special Provisions for additional information and material specifications.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
UTILITY SUPPORTS: STRUCTURAL DETAILS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116 + 57.00

DRAWN BY: LRG

DATE: 10-17-83

CHECKED BY: TLR

14

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 14 OF 25
STRUCTURE NO. 016-0367

SHEET EX 14 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	35
CONTRACT NO. 62Y30				

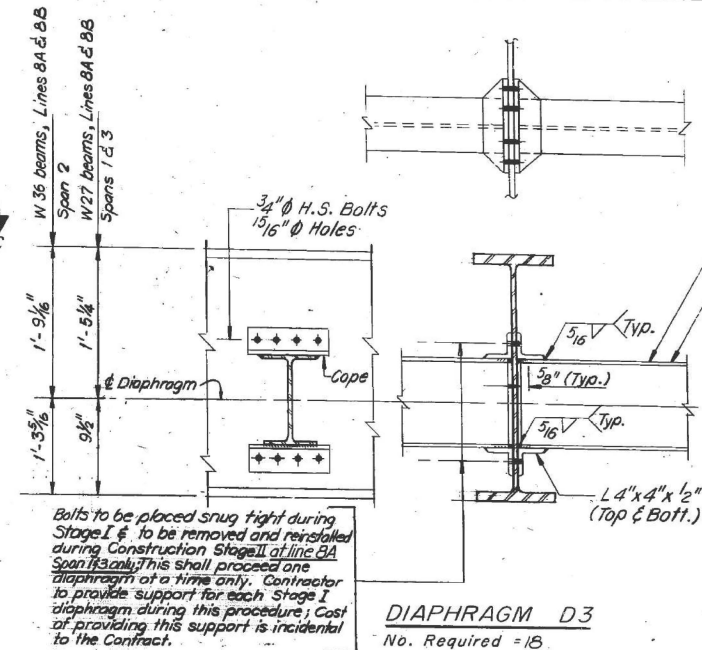
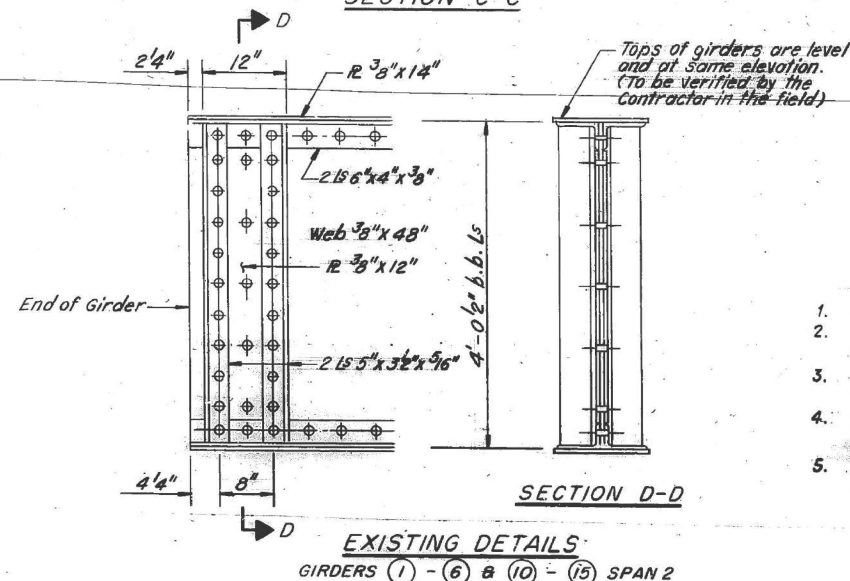
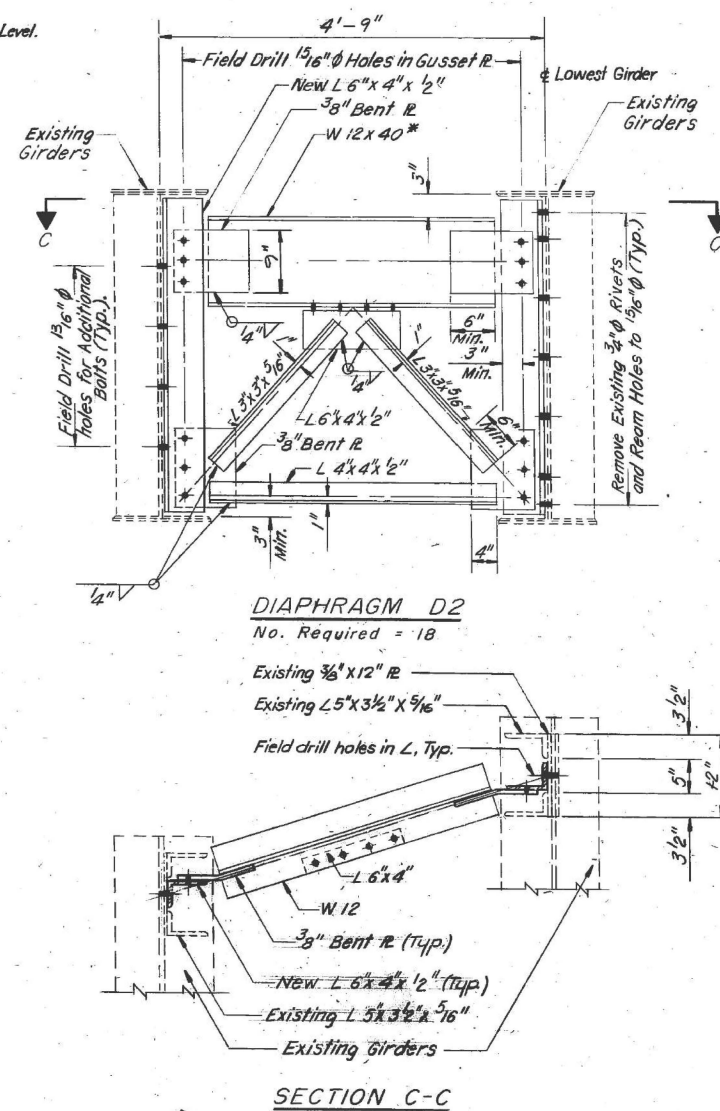
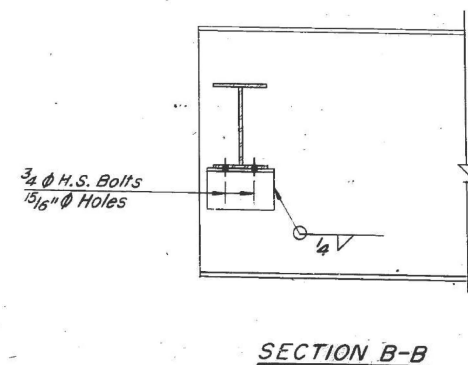
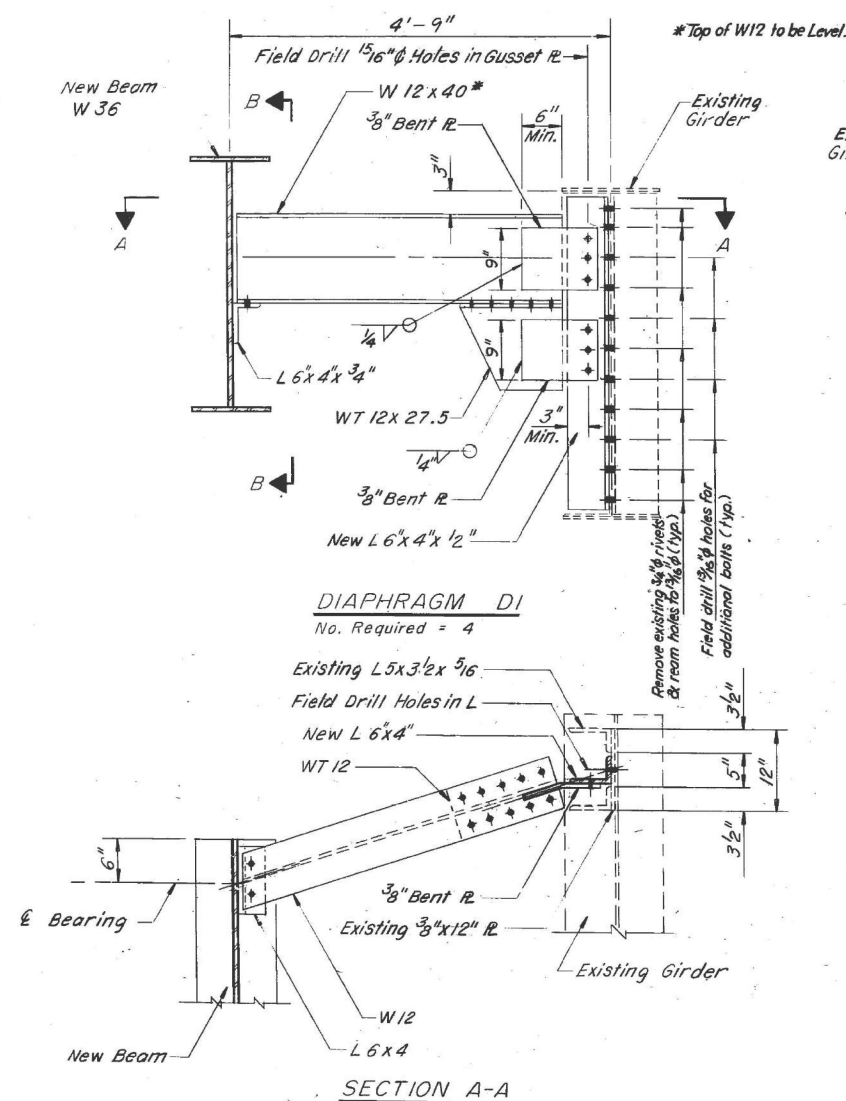
ILLINOIS FED. AID PROJECT

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	CHECKED - PRD	REVISED -

#60B-I-R(81)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60B	I-R	COOK	102	41
STA	TO STA	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 15 of 26



- NOTES:**
- Provide 15/16" holes for all 3/4" bolts unless noted.
 - Hardened washers shall be required over all holes.
 - 3/4" H.S. Bolts M-164 for all diaphragm connections.
 - New Diaphragm and connection plates shall conform to AASHTO W-163.
 - All contact surfaces of joints for diaphragms shall be free of paint or lacquer.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
STRUCTURAL STEEL DIAPHRAGMS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-I-R(81)
COOK COUNTY
STA. 116 + 57.00

DATE: 10-17-83

DRAWN BY: IMG

CHECKED BY: GDW,TLR

15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 15 OF 25
STRUCTURE NO. 016-0367

SHEET EX 15 OF EX 25 SHEETS

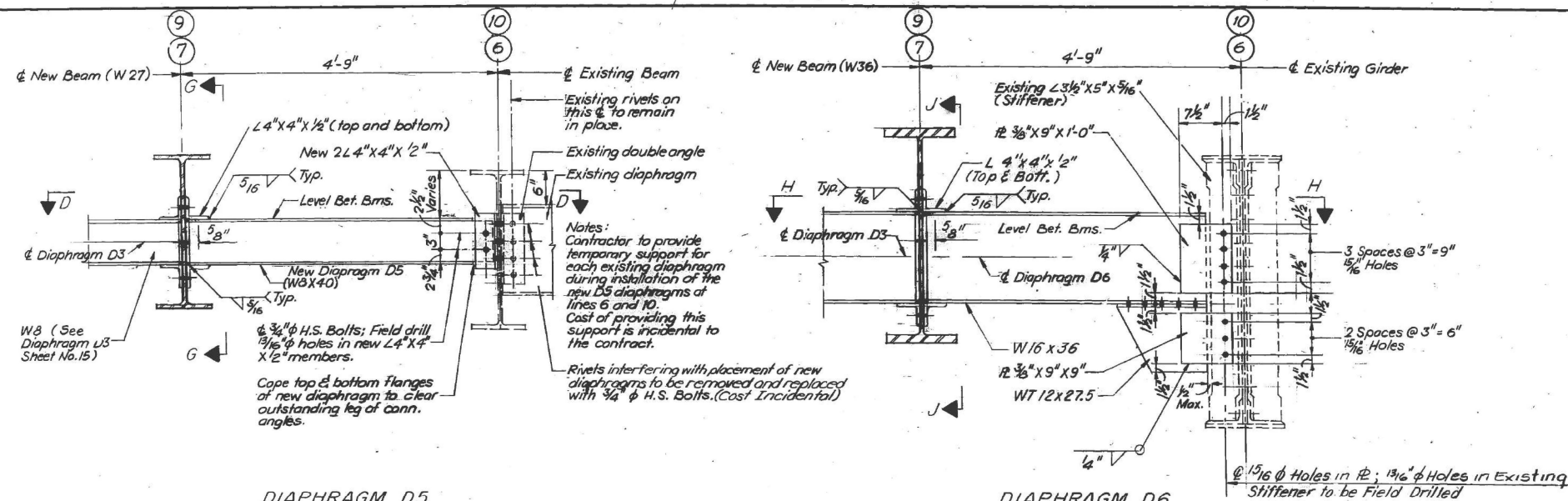
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	36
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

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* 60B-I-R(81)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
COOK	COOK	107	42
STA	TO STA	FED. AID PROJECT	525
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	525

Sheet 16 of 26



NEW STRUCTURE INTERIOR BEAM MOMENT TABLE

	0.5 SPANS 1 AND 3		0.5 SPAN 2	
	BEAMS 7, 9	BEAMS 8A, 8B	BEAMS 7, 9	BEAMS 8A, 8B
I_s (in ⁴)	2850	2850	11,300	11,300
S_s (in ³)	213	213	623	623
D_L (k/ft)	0.87	0.97	0.96	1.07
M_{LL} (k-ft)	197	225	452	517
M_{imp} (k-ft)	59	68	122	140
M_{total} (k-ft)	397	451	1059	1196
F_s -total (ksi)	22.4	25.4	20.4	23.0

NEW STRUCTURE INTERIOR BEAM REACTION TABLE

(END REACTIONS)	SPANS 1 AND 3		SPAN 2	
	BEAMS 7, 9	BEAMS 8A, 8B	BEAMS 7, 9	BEAMS 8A, 8B
R_{DL} (k)	15.7	17.5	31	33.7
R_{LL} (k)	27.8	32	32.0	36.5
R_{imp} (k)	8.3	9.5	8.7	9.9
R_{total} (k)	51.8	59	71.7	80.3

EXISTING STRUCTURE INTERIOR BEAM MOMENT TABLE

	0.5 SPANS 1 AND 3		0.5 SPAN 2	
	BEAMS 2-5	BEAMS 11-13	BEAMS 2-5	BEAMS 11-13
I_s (NET) (in ⁴)	3172	3172	14,998	14,998
S_s (NET) (in ³)	233	233	609	609
D_L (k/ft)	0.73	0.73	0.82	0.82
M_{LL} (k-ft)	113	118	411	411
M_{imp} (k-ft)	49	49	100	100
M_{total} (k-ft)	330	330	882	882
F_s -total (ksi)	17.0	17.0	17.4	17.4

EXISTING STRUCTURE INTERIOR BEAM REACTION TABLE

(END REACTIONS)	SPANS 1 AND 3		SPAN 2	
	BEAMS 2-5	BEAMS 11-13	BEAMS 2-5	BEAMS 11-13
R_{DL} (k)	13.2	13.2	25.9	25.9
R_{LL} (k)	23.0	23.0	26.4	26.4
R_{imp} (k)	6.9	6.9	7.2	7.2
R_{total} (k)	43.1	43.1	59.5	59.5

NOTES:

- Provide 15/16" shop holes for all 3/4" bolts. Hardened washers shall be required over all 15/16" holes.
- 3/4" H.S. bolts M-164 for all diaphragm connections.
- Diaphragm and connection plates shall conform to AASHTO M-163.
- All contact surfaces of joints for diaphragms shall be free of paint or lacquer.

I_s & S_s are the Moment of Inertia & Section Modulus of the steel section used in computing F_s -total.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
STRUCTURAL STEEL DIAPHRAGMS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-I-R(81)
COOK COUNTY
STA. 116 + 57.00

DATE: 10-17-83

DRAWN BY: IMG

CHECKED BY: GOW, TLR

16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 16 OF 25
STRUCTURE NO. 016-0367

SHEET EX 16 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	37
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

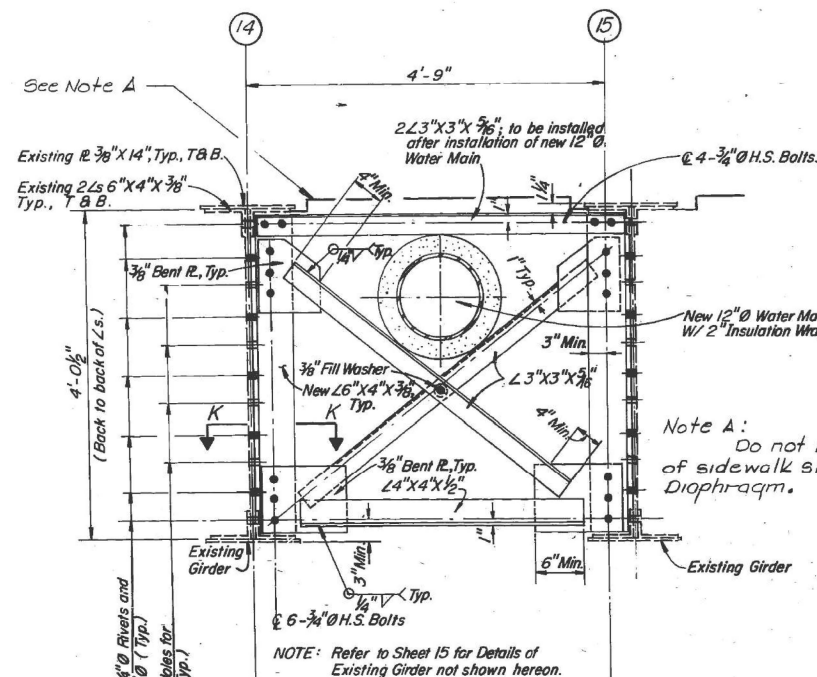
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FOR INFORMATION ONLY

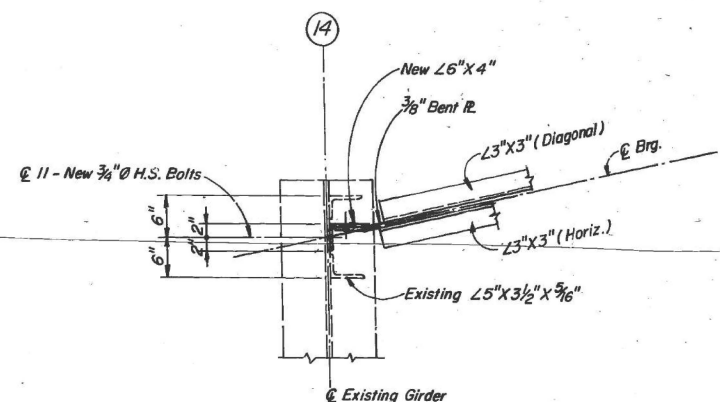
* 60B-1-R(81)

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	ILL.	104	43
STA.	TO STA.	ILLINOIS	FED. AID PROJECT	525

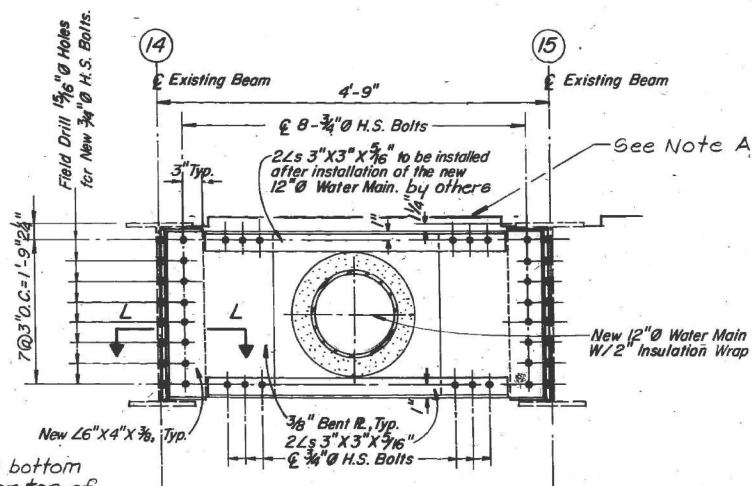
Sheet 17 of 26



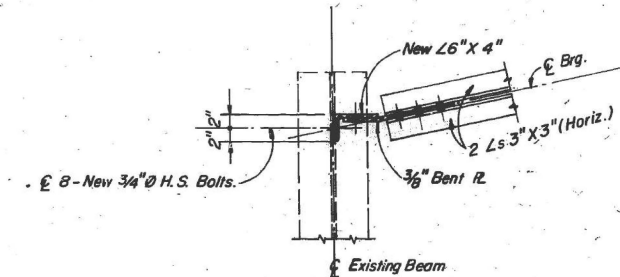
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2 Required



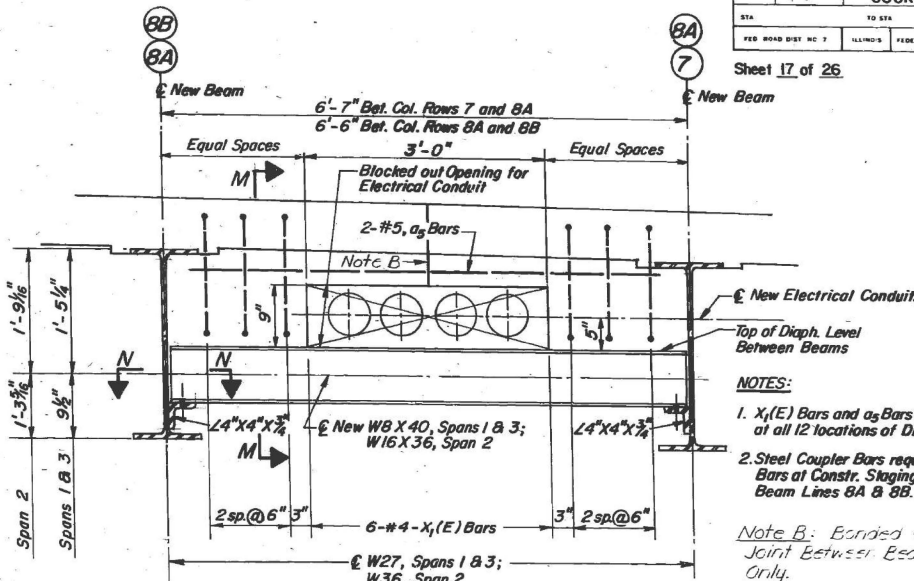
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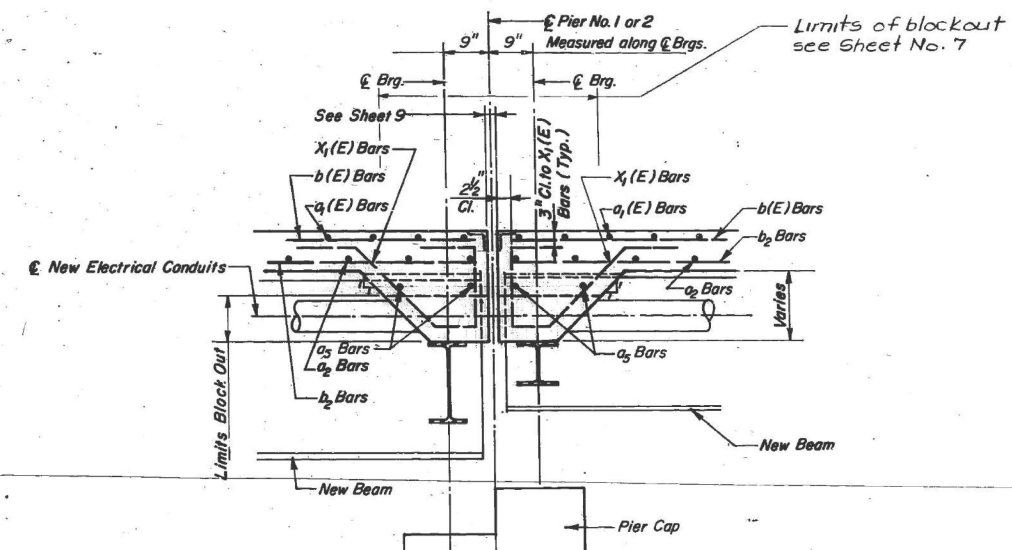
ELEVATION OF DIAPHRAGM D8
4 Required



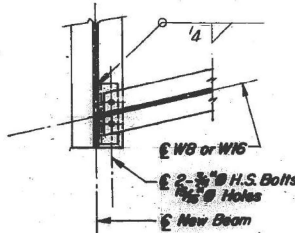
SECTION "L-L"



ELEVATION OF DIAPHRAGM D9
12 Required



SECTION "M-M"



SECTION "N-N"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
STRUCTURAL STEEL DIAPHRAGMS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116 + 57.00

DRAWN BY: LRG

DATE: 10-17-83

CHECKED BY: TLR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 17 OF 25
STRUCTURE NO. 016-0367

SHEET EX 17 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	38
CONTRACT NO. 62Y30				

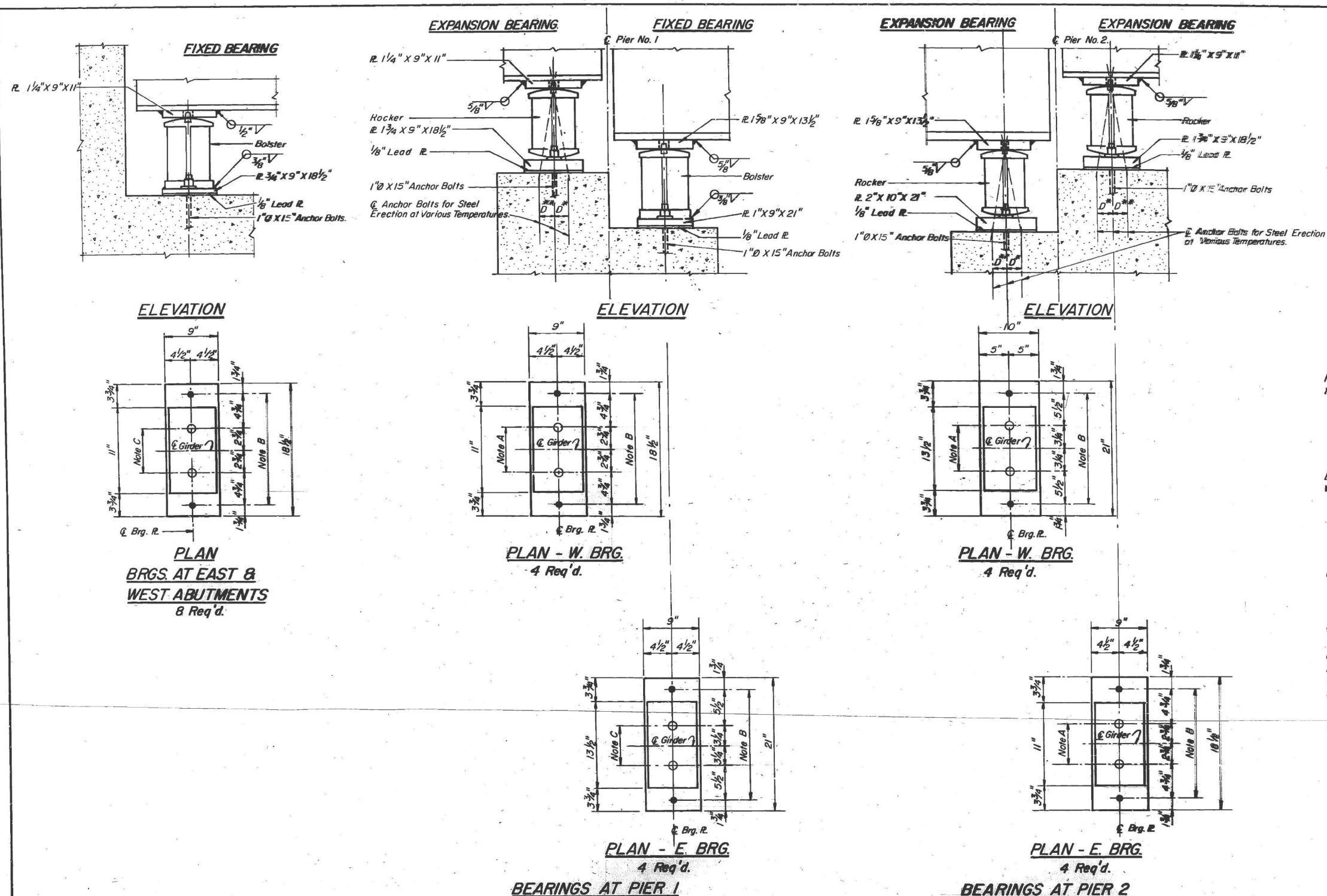
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60B-1-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	39
STA. 116 + 57.00	ILLINOIS	FED. AID PROJECT	525	

Sheet 18 of 26



NOTE A
 $1\frac{3}{8}$ " Holes - 1" deep in top R. for pintles. Thread or press fit pintles into bottom R.

NOTE B
 $1\frac{1}{2}$ " Holes for 1" Anchor Bolts. $\frac{3}{16}$ " X $2\frac{1}{2}$ " X $2\frac{1}{2}$ " R. washers under nut.

NOTE C
 $1\frac{3}{8}$ " Holes 1" deep in top R. only for $1\frac{1}{4}$ " pintles.

NOTES:

- Refer to Sheet 19 for Details of Rockers and Bolsters, Bolt Location Plan and Notes on Setting of Anchor Bolts at Expansion Bearings.
- All Bearing Plates to be M183 Steel.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 BEARING ASSEMBLY DETAILS
 F.A.P. ROUTE 525 (U.S. ROUTE 14)
 OVER NORTH SHORE CHANNEL
 SECTION 60B-1-R(81)
 COOK COUNTY
 STA. 116 + 57.00

DATE: 10-17-83

DRAWN BY: LRG
CHECKED BY: TLR

18

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 18 OF 25
 STRUCTURE NO. 016-0367

SHEET EX 18 OF EX 25 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	39
STA. 116 + 57.00	ILLINOIS	FED. AID PROJECT	525	

CONTRACT NO. 62Y30

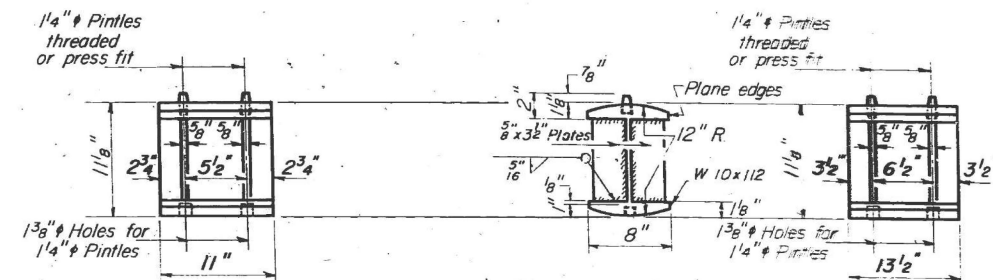
BLA, Inc.

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* 60B-I-R(81)

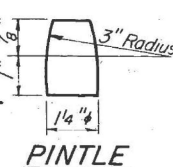
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	10/2	45	
DATE	TO BY	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 19 of 26



ROCKER
W. BRG. AT PIER NO. 1
E. BRG. AT PIER NO. 2

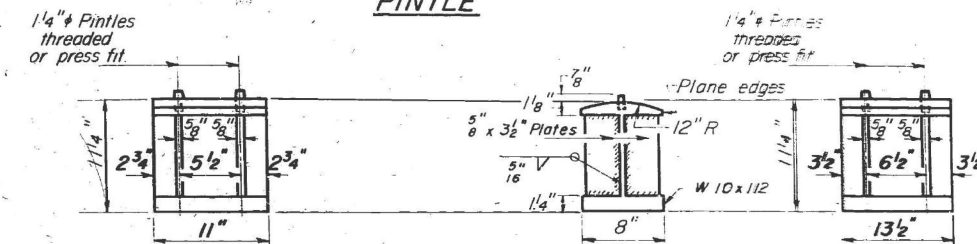
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PINTLE

ROCKER
W. BRG. AT PIER NO. 2

4 Req'd.



BOLSTER
AT ABUTMENTS

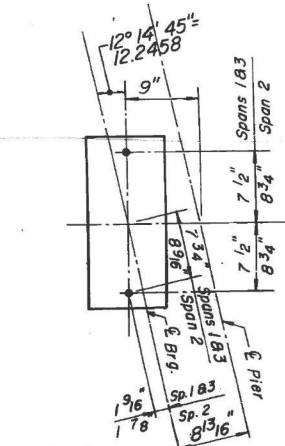
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BOLSTER
E. BRG. AT PIER NO. 1

4 Req'd.

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

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

**BOLT LOCATIONS**

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 BEARING ASSEMBLY DETAILS
 F.A.P. ROUTE 525 (U.S. ROUTE 14)
 OVER NORTH SHORE CHANNEL
 SECTION 60B-I-R(81)
 COOK COUNTY
 STA. 116 + 57.00

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DATE : 10-17-83

CHECKED BY: GDW, TLR

19

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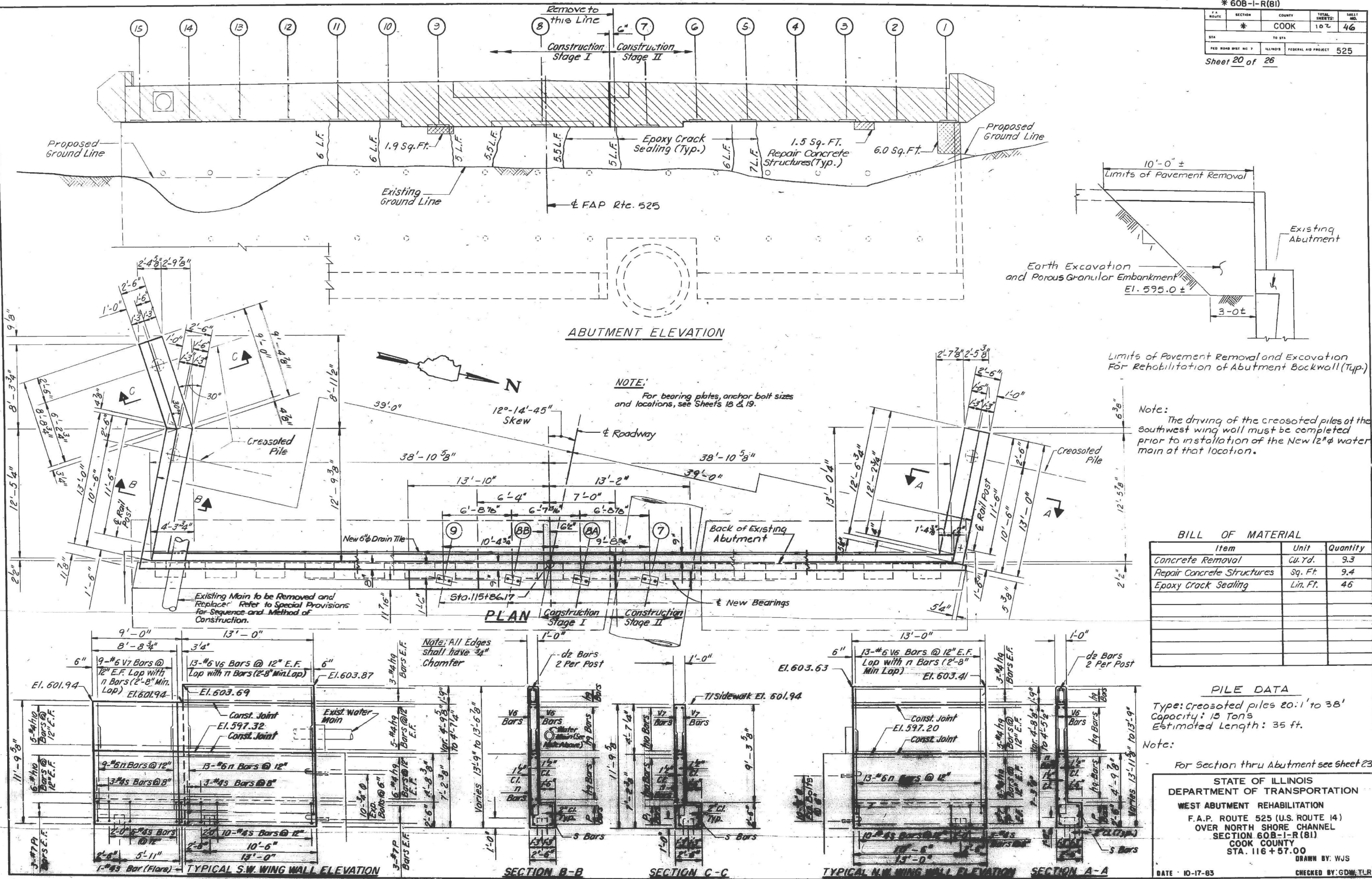
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CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

* 60B-1-R(81)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 60B	COOK	COOK	102	46
FED. ROAD DIST. NO. 7	ILLINOIS	FEDERAL AID PROJECT	525	

Sheet 20 of 26



Note:
The driving of the creosoted piles at the southwest wing wall must be completed prior to installation of the New 12" water main at that location.

BILL OF MATERIAL		
Item	Unit	Quantity
Concrete Removal	Cu. Yd.	9.3
Repair Concrete Structures	Sq. Ft.	9.4
Epoxy Crack Sealing	Lin. Ft.	46

PILE DATA
Type: Creosoted piles 20:1 to 38:1
Capacity: 15 Tons
Estimated Length: 35 ft.
Note:
For Section thru Abutment see Sheet 23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT REHABILITATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00
DRAWN BY: WJS
DATE: 10-17-83
CHECKED BY: GDM, TLR

MODEL: B-1 Sheet Consultant
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BLA, Inc.

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	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 20 OF 25
STRUCTURE NO. 016-0367

SHEET EX 20 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	41
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

* 60B-1-R(81)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* COOK	COOK	102	47
STA.	TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 21 of 26

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2	4	#4	2'-1"	□
h	18	#5	24'-8"	—
h ₁	2	#5	27'-0"	—
h ₂	1	#5	19'-7"	—
h ₃	5	#8	19'-7"	—
h ₄	1	#5	22'-0"	—
h ₅	1	#5	9'-0"	—
h ₆	1	#5	6'-7"	—
h ₇	5	#8	6'-7"	—
h ₈	9	#5	33'-0"	—
h ₉	56	#4	12'-9"	—
h ₁₀	22	#4	10'-7"	—
h ₂₁	2	#5	5'-2"	—
n	35	#6	18'-3"	□
P	12	#7	12'-9"	—
P ₁	6	#7	12'-1"	—
s ₃	35	#4	9'-5"	□
v	80	#5	2'-6"	—
v ₁	50	#5	4'-5"	J
v ₂	54	#5	2'-8"	—
v ₃	32	#5	5'-0"	J
v ₄	31	#5	3'-3"	—
v ₅	27	#4	3'-2"	—
v ₆	52	#6	6'-2"	—
v ₇	18	#6	4'-6"	—

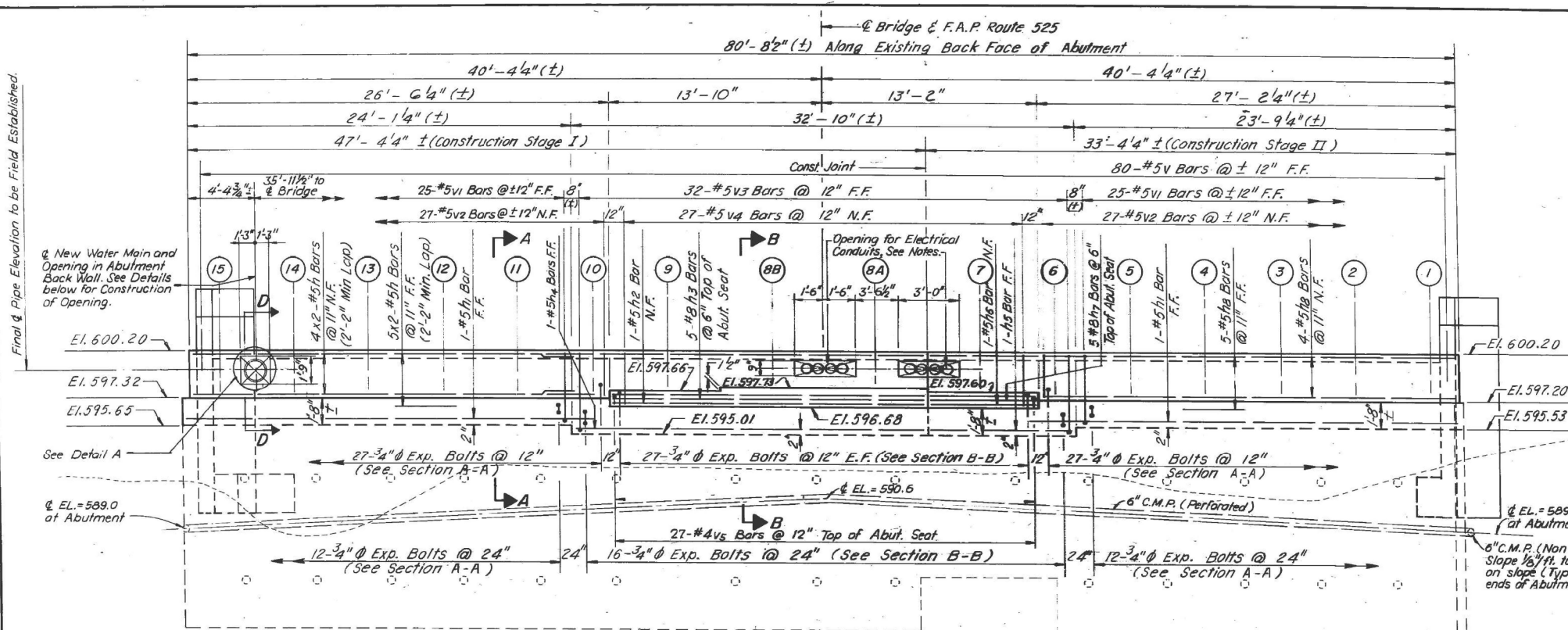
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT REHABILITATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00

DRAWN BY: IMG, LRG

DATE: 10-17-83

CHECKED BY: GDW, TLR

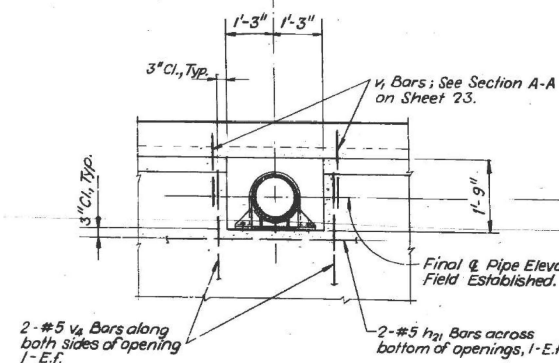
21



NOTES:

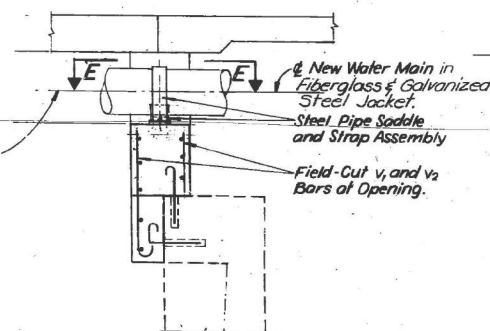
- For Sections A-A & B-B See Sheet No. 23.
- For Wing Walls Details See Sheet No. 20.
- See Sheet 26 for Bar Splice Details at Bonded Construction Joint.
- Bars indicated thus 5x2 etc. indicates 5 lines of bars with 2 lengths per line.

ABUTMENT ELEVATION

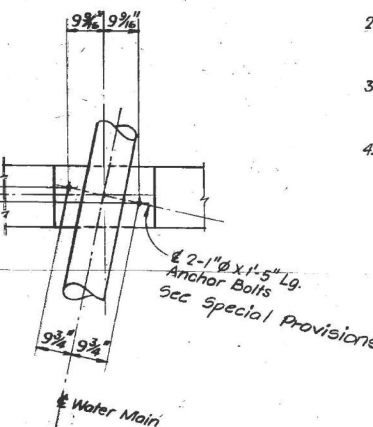


DETAIL A

Showing Opening in Abutment Backwall for Water Main.



SECTION D-D

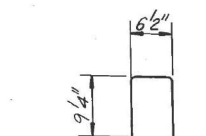


SECTION E-E

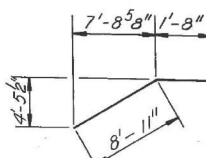
Anchor Bolt Locations for Water Main Saddle in Abutment.

Notes for Opening in Abutment Backwall for Electrical Conduit:

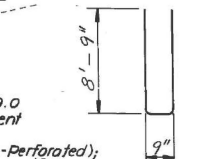
- Final & conduit elevation to be field established.
- Adjust vertical placement of h2 wall bars to clear opening by 1/2\" on top and bottom.
- Field cut vertical v3 and v4 bars to clear openings (terminate these bars 1/2\" below bottom of opening).
- Openings to be grouted solid following installation of electrical conduits.



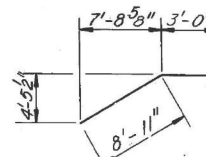
BAR d2



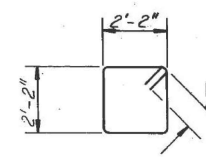
BAR h10



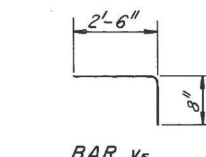
BAR n



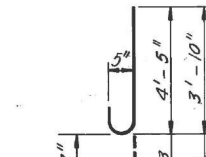
BAR P1



BAR s3



BAR v5



BARS v1 or v3

- Refer to Section A-A, Sheet 23, for Reinforcing and Other Details Not Shown.

- Refer to the Drawing Prepared by the City of Chicago Department of Water, Bureau of Water Distribution and the Project Special Provisions for Details and Specifications for Steel Pipe Saddle and Strap Assembly.

- Openings to be grouted solid with non-shrink grout following installation of water main.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 21 OF 25
STRUCTURE NO. 016-0367

SHEET EX 21 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	42
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

BLA, Inc.

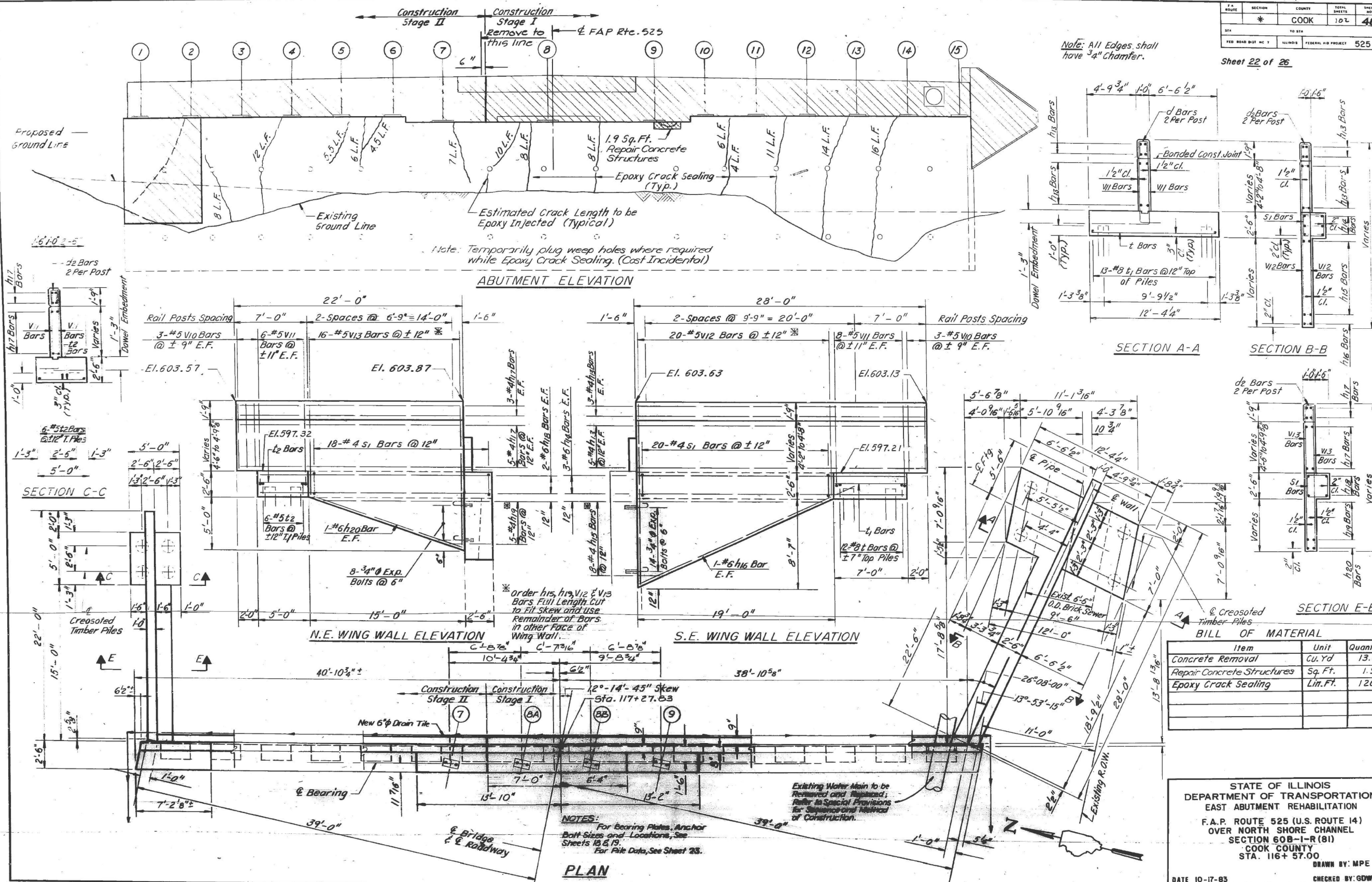
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PLOT SCALE = 02" = 1'	CHECKED - PRD	REVISED -
PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

* 60B-I-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	102	48	
STA.	TO STA.	ILLINOIS	FEDERAL AID PROJECT	525
FED. ROAD DIST. NO. 7				

Sheet 22 of 26

Note: All Edges shall have 3/4" Chamfer.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONEXISTING PLANS 22 OF 25
STRUCTURE NO. 016-0367

SHEET EX 22 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	43
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

USER NAME = jrodriguez	DESIGNED - MTW	REVISED -
PLOT SCALE = 02" = 1'	CHECKED - PRD	REVISED -
PLOT DATE = 9/19/2025	DRAWN - MTW	REVISED -
	CHECKED - PRD	REVISED -

FOR INFORMATION ONLY

* 60B-I-R(81)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
COOK	COOK	102	49
STA.	TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FEDERAL AID PROJECT	525

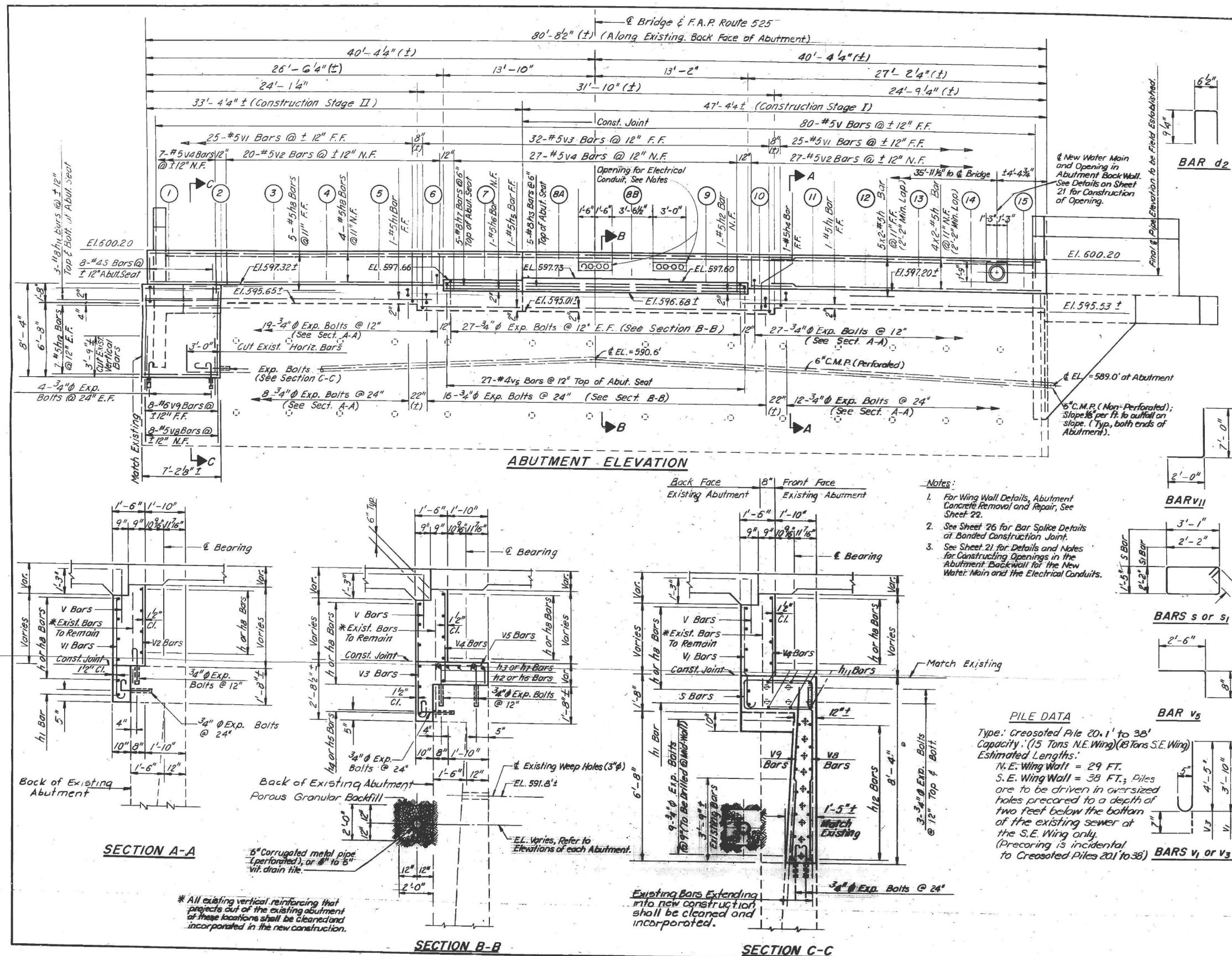
Sheet 23 of 26

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2	8	#4	2'-1"	□
h	18	#5	24'-8"	—
h1	2	#5	27'-0"	—
h2	1	#5	19'-7"	—
h3	5	#8	19'-7"	—
h4	1	#5	22'-0"	—
h5	1	#5	9'-0"	—
h6	1	#5	6'-7"	—
h7	5	#8	6'-7"	—
h8	9	#5	33'-0'	—
h11	6	#8	6'-10"	—
h12	14	#5	6'-10"	—
h13	16	#4	27'-5"	—
h14	6	#6	25'-5"	—
h15	8	#4	18'-9"	—
h16	2	#6	23'-0"	—
h17	16	#4	21'-5"	—
h18	4	#6	22'-2"	—
h19	5	#4	19'-0"	—
h20	2	#6	17'-6"	—
h21	2	#5	5'-2"	—
s	8	#4	9'-9"	□
s1	38	#4	9'-5"	□
t	12	#8	12'-1"	—
t1	13	#8	6'-9"	—
t2	12	#5	4'-9"	—
v	80	#5	2'-6"	—
v1	50	#5	4'-5"	J
v2	47	#5	2'-8"	—
v3	32	#5	5'-0"	J
v4	34	#5	3'-3"	—
v5	27	#4	3'-2"	—
v8	8	#5	8'-0"	—
v9	8	#6	8'-0"	—
v10	12	#5	5'-7"	—
v11	28	#5	9'-0"	J
v12	20	#5	24'-9"	—
v13	16	#5	22'-0"	—
Item			Unit	Quantity
Structure Excavation			Cu. Yd.	49
Creosoted Piles 20.1' to 38'			Lin. Ft.	268
Class X Concrete			Cu. Yd.	57
Reinforcement Bars			Lbs.	5910
Expansion Bolts (3/4" Ø)			Ea.	179
Porous Granular Backfill			Cu. Yd.	46
Pipe Drains (Perforated)			Lin. Ft.	82
Pipe Drains (Non-Perforated)			Lin. Ft.	20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT REHABILITATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-I-R(81)
COOK COUNTY
STA. 116 + 57.00
DRAWN BY: IMG
DATE: 10-17-83
CHECKED BY: GOW, TLR

23



FOR INFORMATION ONLY

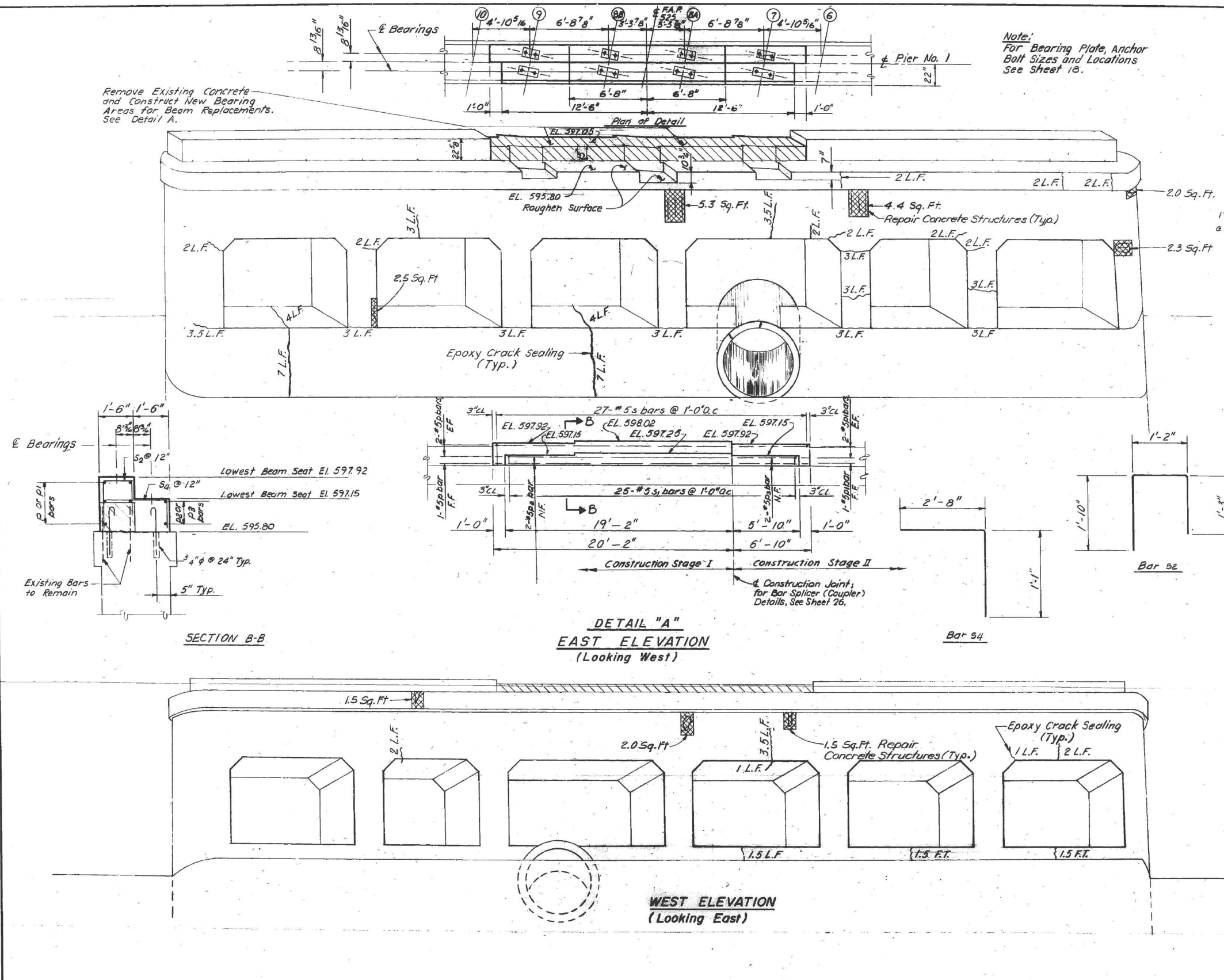
60B-I-R(81)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	60B-I-R(81)	COOK	102	50
STA	TO STA	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 24 of 26

Note:
For Bearing Plate, Anchor
Bolt Sizes and Locations
See Sheet 15.

Remove Existing Concrete
and Construct New Bearing
Areas for Beam Replacements.
See Detail A.



MODEL: B-1, Sheet, Consultant
FILE NAME: W:\1914\14 DOT 208010, TO 13, US14, over North Shore Channel\CAAD Sheet\0160367-62130-0010 thru 01034-Existing Plans.dgn
9/19/2025 10:28:07 AM

BLA, Inc.

USER NAME	= jrodriguez	DESIGNED	- MTW	REVISED	-
CHECKED	- PRD	REVISED	-		
PLOT SCALE	= 0.2" = 1'-0"	DRAWN	- MTW	REVISED	-
PLOT DATE	= 9/19/2025	CHECKED	- PRD	REVISED	-

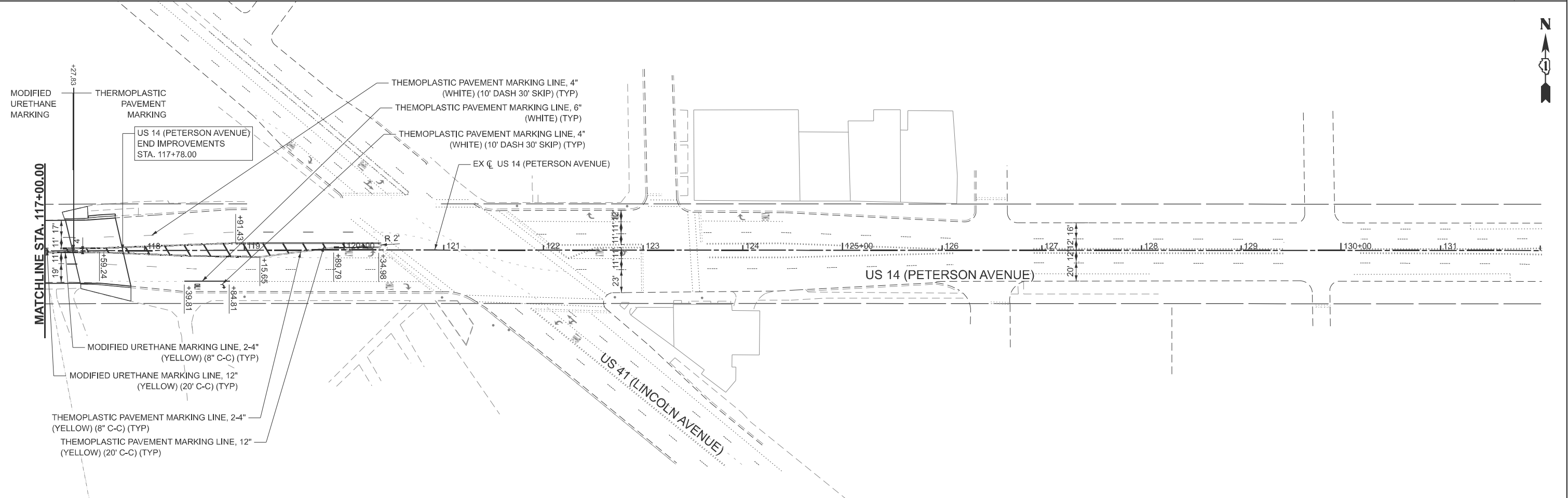
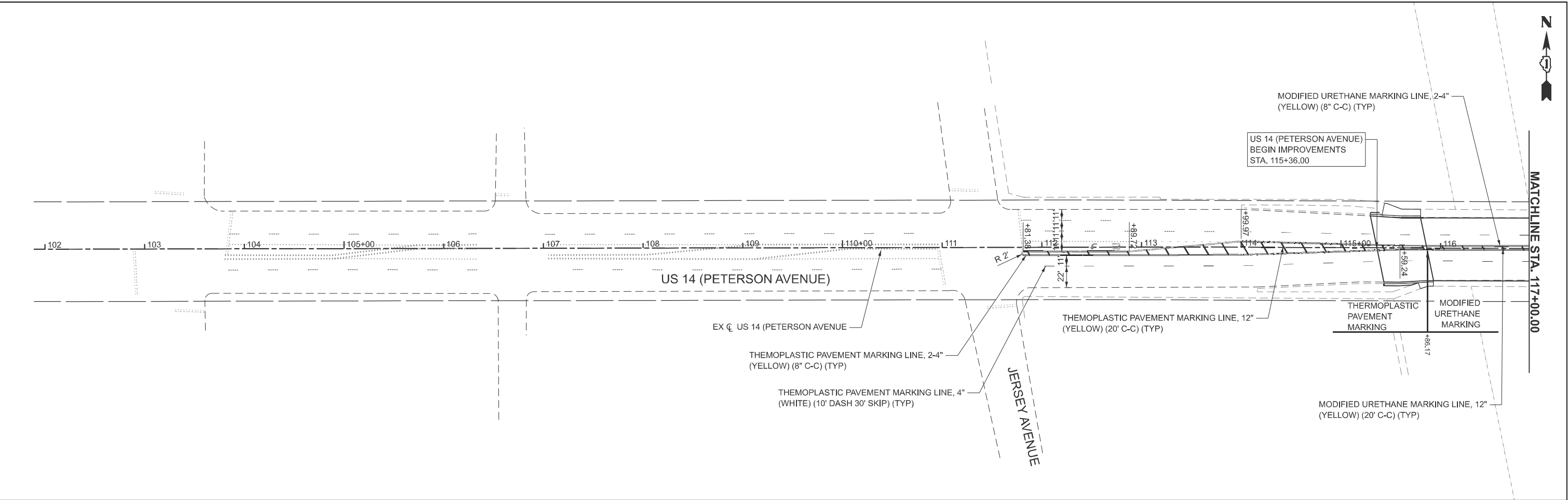
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 24 OF 25
STRUCTURE NO. 016-0367

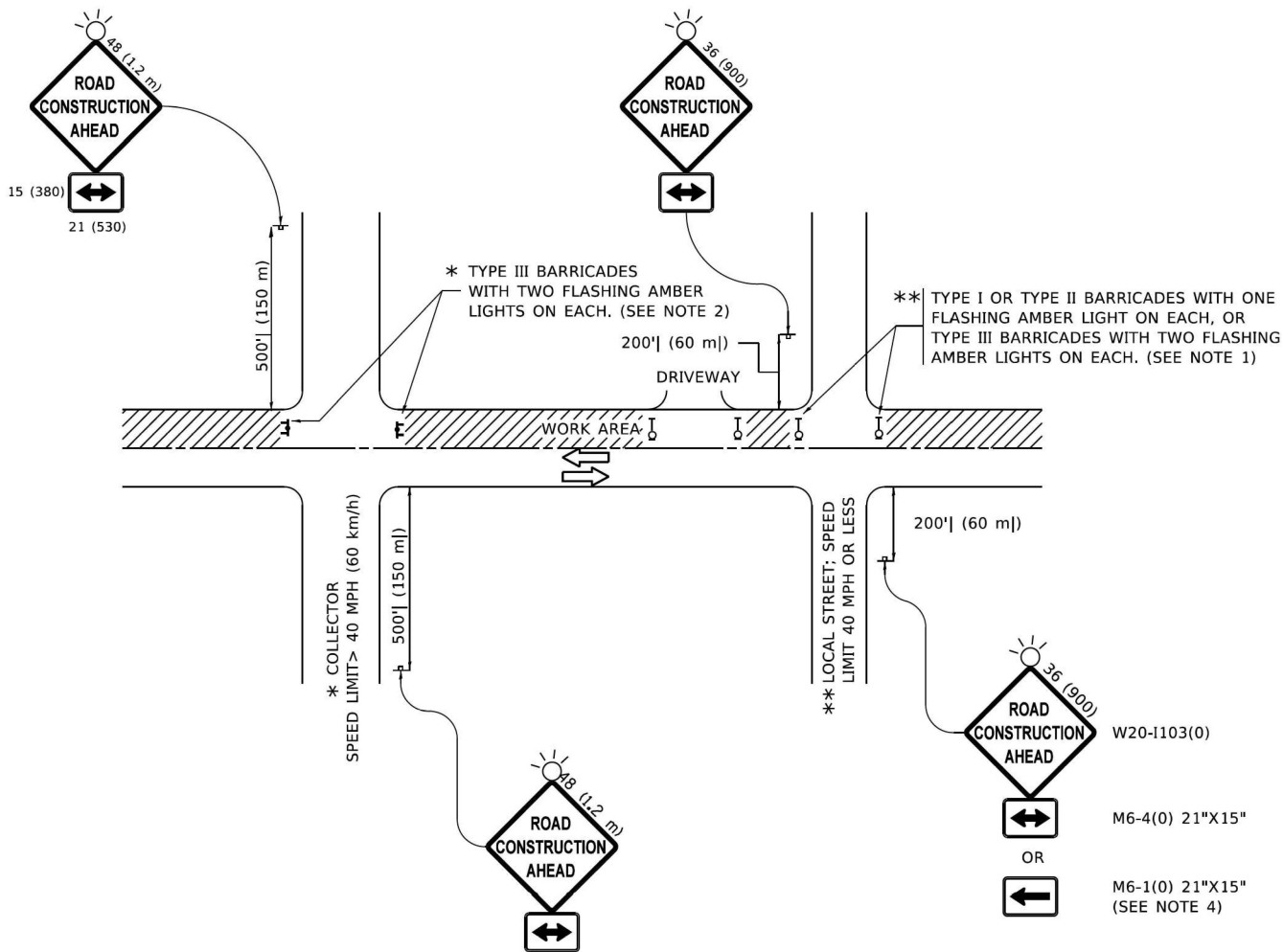
SHEET EX 24 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	53	45
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

MODEL: PCL-Plan 1 [Sheet]
FILE NAME: W:19+2+14 IDOT_208010_1013_US14 over North Shore Channel CADD Sheets\62Y30-sh14-PMK.dgn



 BLA, Inc.	USER NAME = jrodriguez	DESIGNED - JPR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JPR	REVISED -						341	(60B&C-NRM) BDR, BJR 25	COOK	53	47
		CHECKED - GJE	REVISED -		CONTRACT NO. 62Y30								
	PLOT DATE = 9/19/2025	DATE - 9/19/2025	REVISED -		SCALE: 1"=50'	SHEET 1	OF 1 SHEETS	STA. 103+00.00	TO STA. 133+00.00	ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME: S:\2024\0341\0341.dwg	USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		

R4-7a
24"X30"

KEEP
→
RIGHT

ONLY

4" YELLOW REFLECTIVE PAVEMENT MARKING TAPE (REMOVE CONFLICTING WHITE SKIP-DASH LINES FIRST.)

ARROW BOARD

L
(SEE NOTE 1)

SEE DETAIL "A"

MEDIAN

Diagram illustrating a right-turn lane configuration. A sign (R4-7a, 24"X30") with the text "KEEP → RIGHT" is positioned above the lane. The lane is marked with "ONLY" and a right-turn arrow. A median is shown on the left side of the lane. The lane is bordered by 4" yellow reflective pavement marking tape. An arrow board is positioned in the lane, with a length dimension L (SEE NOTE 1). The diagram also shows a detail view of the lane edge and a "KEEP RIGHT" sign.

NOTES:

1. WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE
(AS SHOWN IN FIG. 1), USE FIGURE 1.
- B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE
OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE
SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF
28 (710) IN HEIGHT.
3. LIGHTS SHALL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY
OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED
THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN
WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN
THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER
THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600)
AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL
FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS
ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH
REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN
TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC
CONTROL STANDARDS OR ITEMS.

	WORK AREA
	LANE OPEN TO TRAFFIC
	ARROW BOARD
	TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
	DRUM WITH STEADY BURN LIGHT
	SIGN ASSEMBLY
	TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

LEFT
TURN
LANE

5' (1.5 m) MIN.
(SEE NOTE 7)

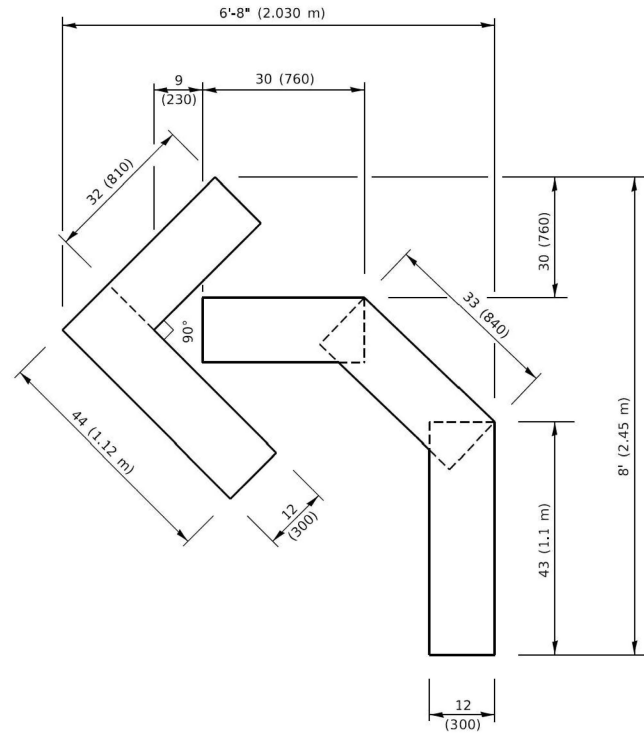
R3-100L
24 x 24 (600 x 600)

M6-2L
21 x 15 (530 x 380)

STABILIZE SIGN
SUPPORT WITH
SANDBAGS AS
NECESSARY

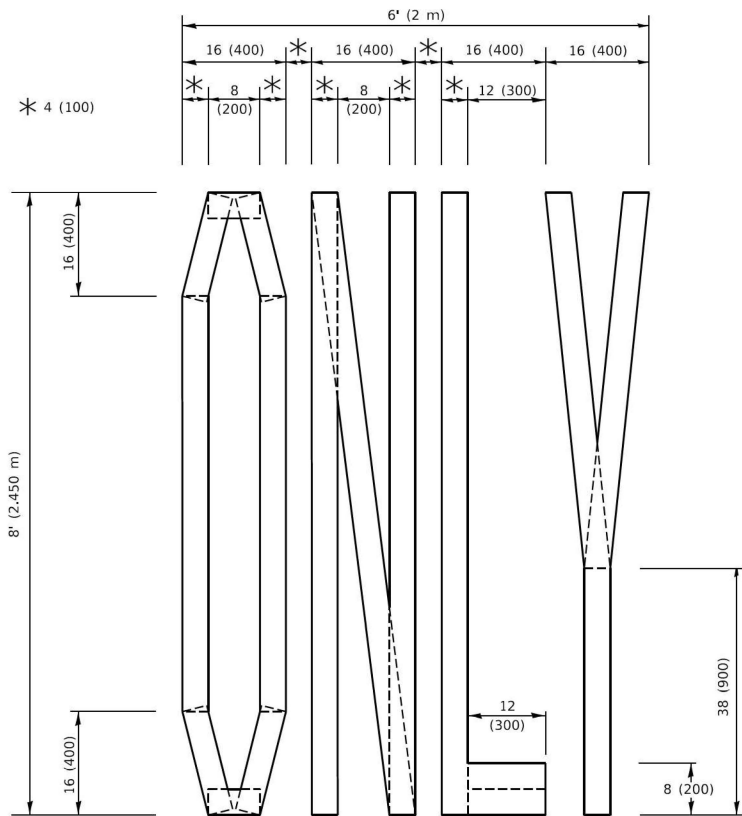
All dimensions are in inches (millimeters) unless otherwise shown.

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13									0341	(60B&C-NRM) BDR, BJR 25	COOK	53	50	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					TC-14				CONTRACT NO. 62Y30					
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -					ILLINOIS FED. AID PROJECT									
			SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.								



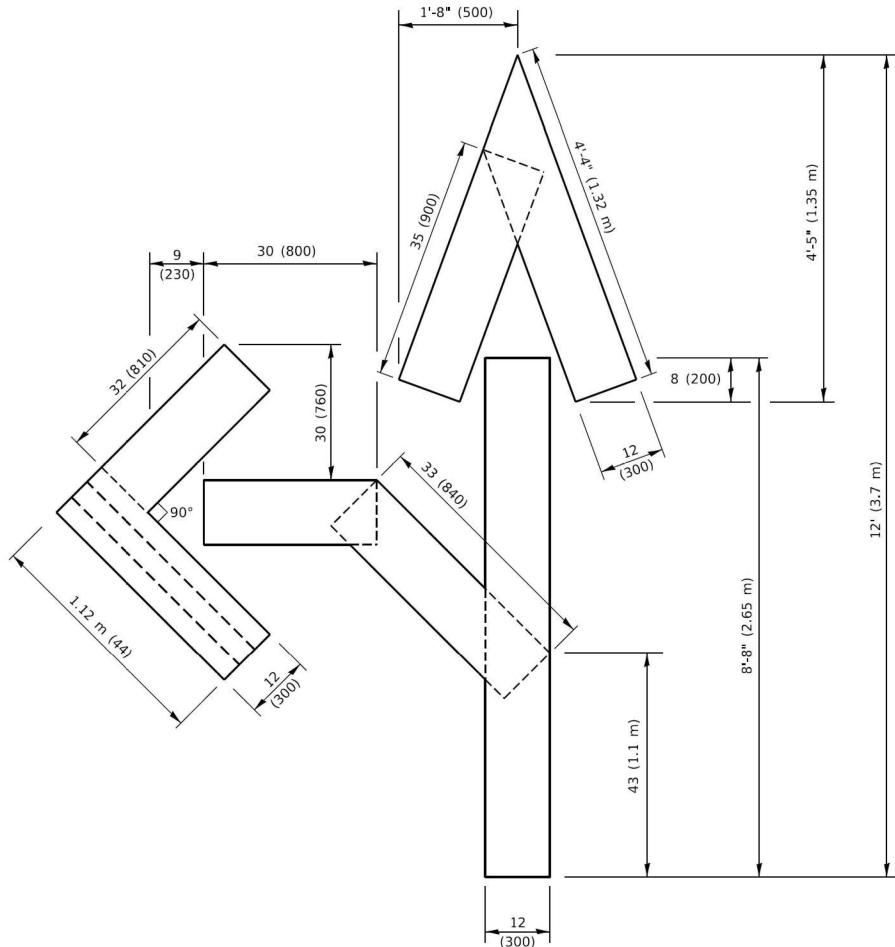
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

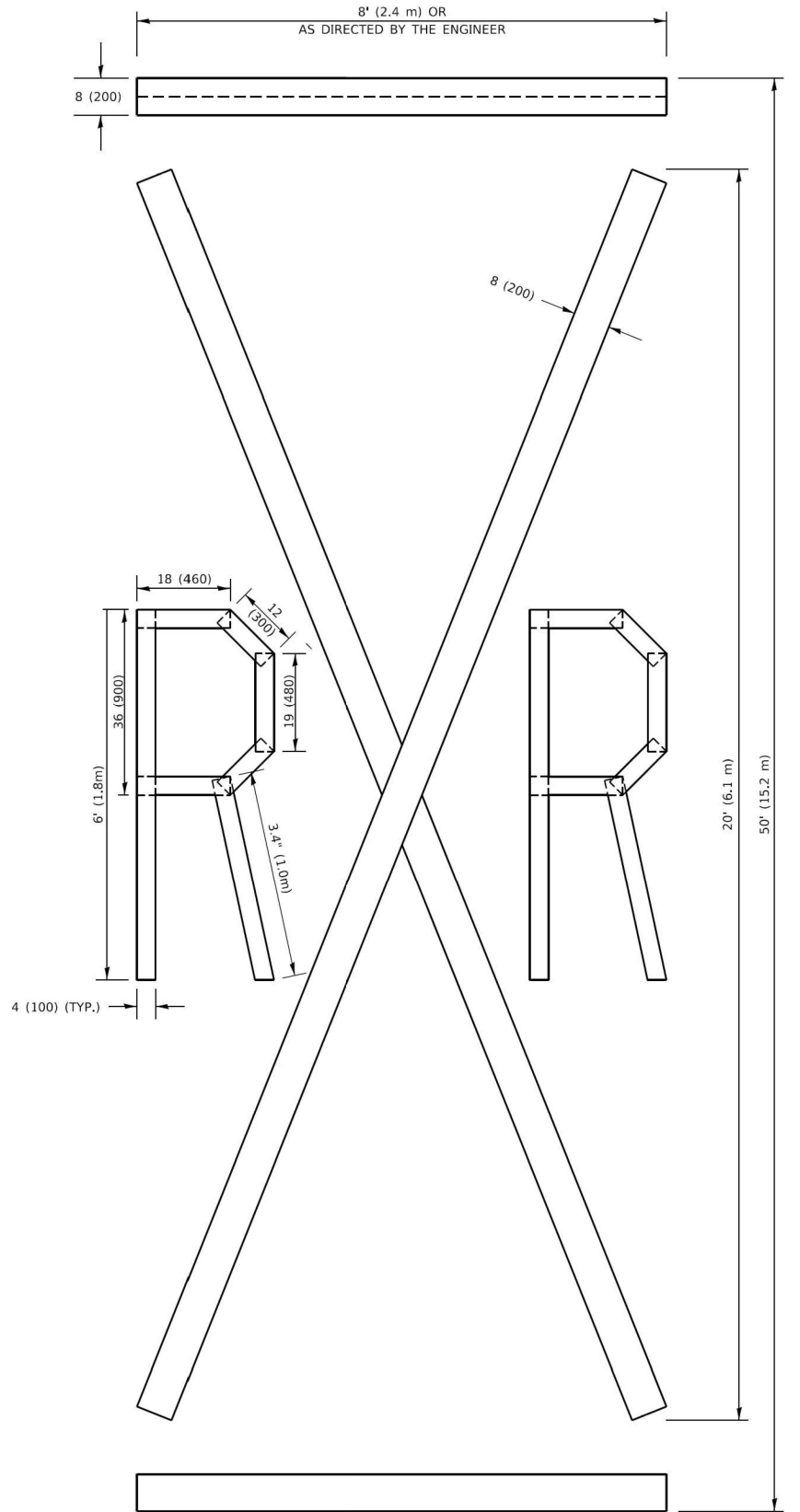


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

MODEL: Default
FILE: \\nwrk\p\11084\BID\NTEG\Illinois.gov\PHWDOT\Documents\DOT_Offices\District_1\Projects\DUHS422\24\CAD\Drawn\CAD\Sheet\12-16.dgn

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DRAWN -	REVISED - E. GOMEZ 08-28-00	
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	(60B&C-NRM) BDR, BJR 25	COOK	53	51
TC-16		CONTRACT NO. 62Y30		
		ILLINOIS FED. AID PROJECT		

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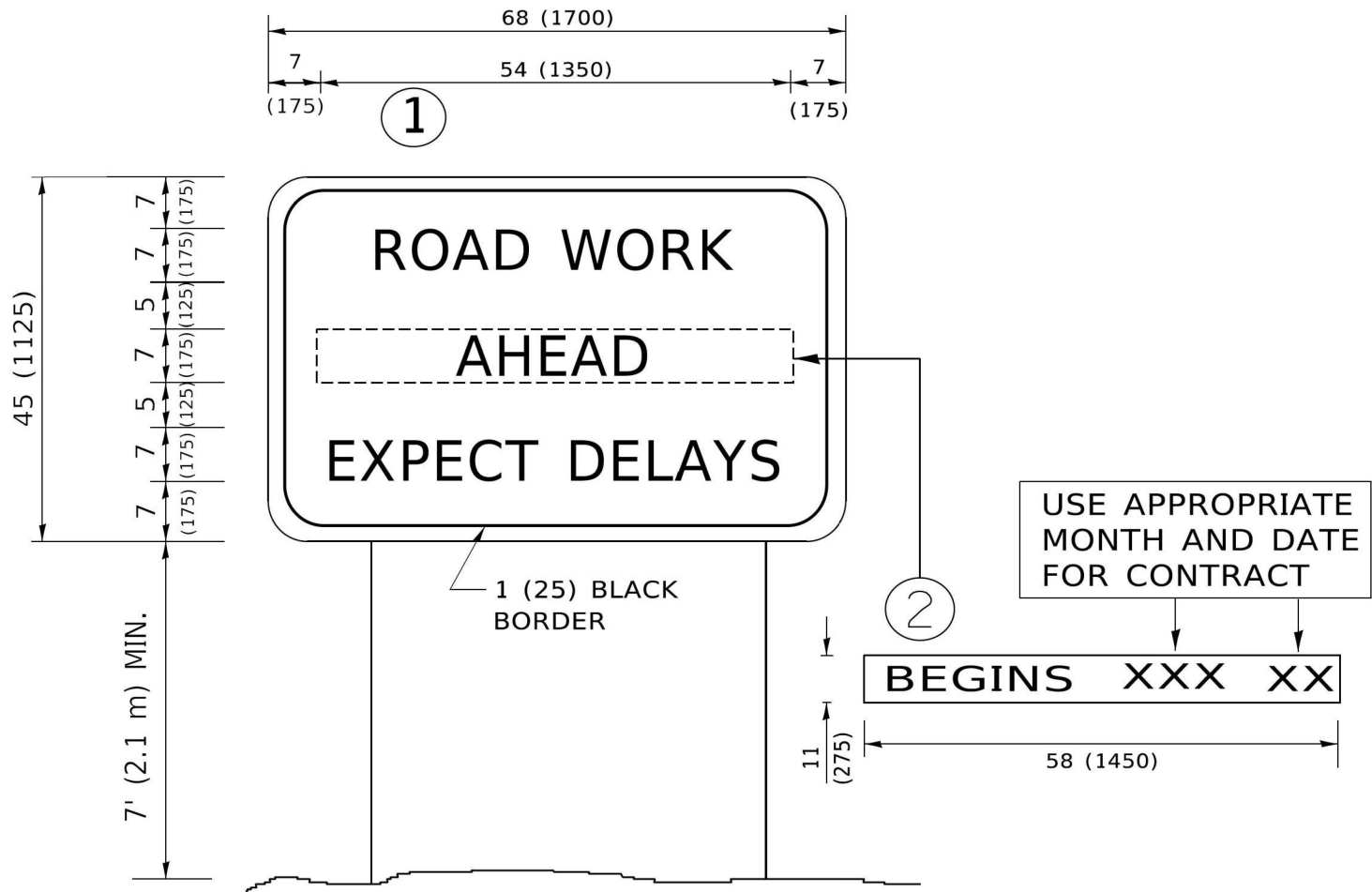
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		DRAWN	-	REVISED	-	R. MIRS 12-11-97
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PLOT DATE	= 3/4/2019	DATE	-	REVISED	-	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

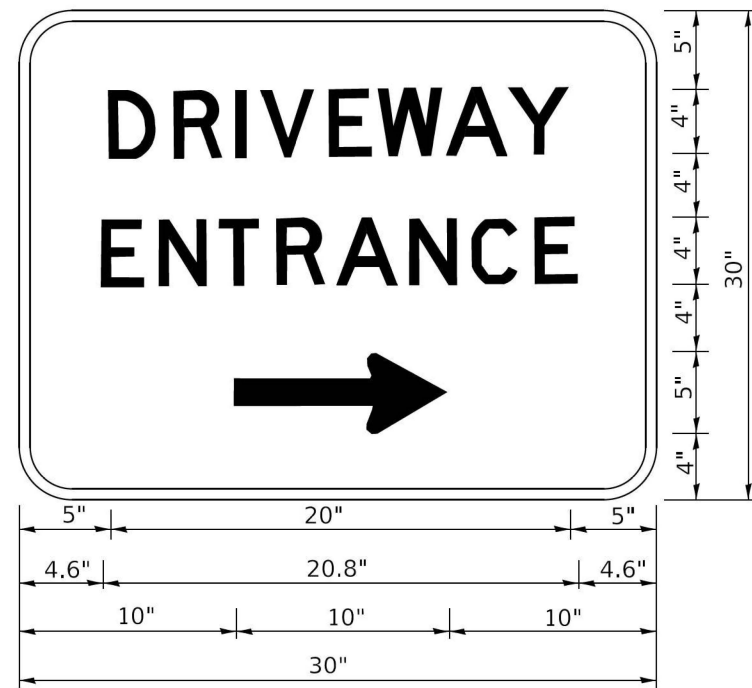
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0341	(60B&C-NRM) BDR, BJR 25	COOK	53	52
TC-22		CONTRACT NO. 62Y30		
ILLINOIS		FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
 - 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE OF THE DRIVEWAY.
 - 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

Model: Default
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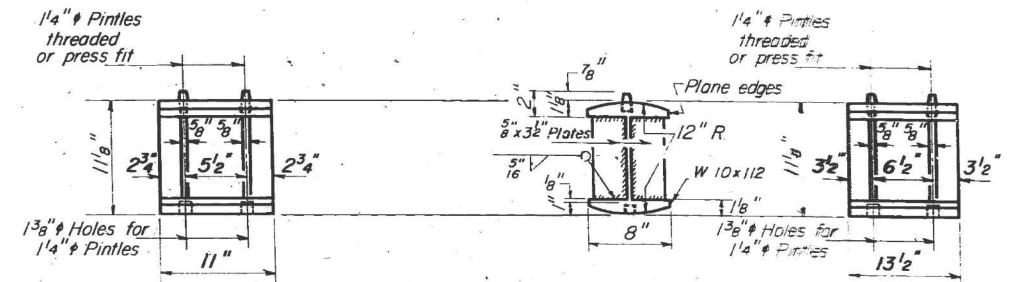
	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					0341	(60B&C-NRM) BDR, BJR 25	COOK	53	53
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		TC-26			CONTRACT NO. 62Y30				
	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

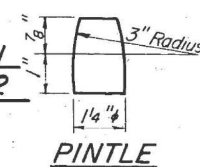
* 60B-1-R(81)

PA NUMBER	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	*	COOK	102	45
FROM		TO STA		
RHD ROAD DIST NO 7		ILLINOIS	FEDERAL AID PROJECT	525

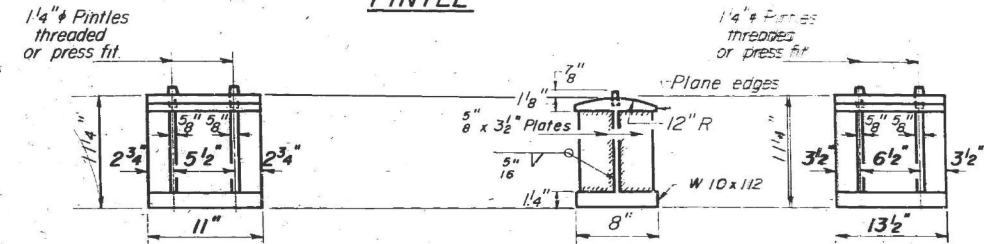
Sheet 19 of 26



ROCKER
W. BRG. AT PIER NO. 1
E. BRG. AT PIER NO. 2
8 Req'd



ROCKER
W. BRG AT PIER NO. 2
4 Req'd.

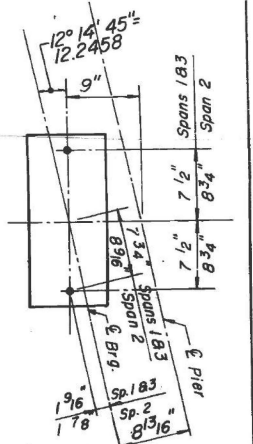


BOLSTER
AT ABUTMENTS
8 Req'd.

BOLSTER
E. BRG. AT PIER NO. 1
4 Req'd.

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

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



BOLT LOCATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
BEARING ASSEMBLY DETAILS
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116 + 57.00

DATE : ND-17-83

CHECKED BY: GDW, TLR

USER NAME = geilwanger	DESIGNED - MTW	REVISED -
	CHECKED - PRD	REVISED -
PLOT SCALE = 0.2" = 1 in.	DRAWN - MTW	REVISED -
PLOT DATE = 8/19/2025	CHECKED - PRD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING PLANS 19 OF 25
STRUCTURE NO. 016-0367

SHEET EX 19 OF EX 25 SHEETS

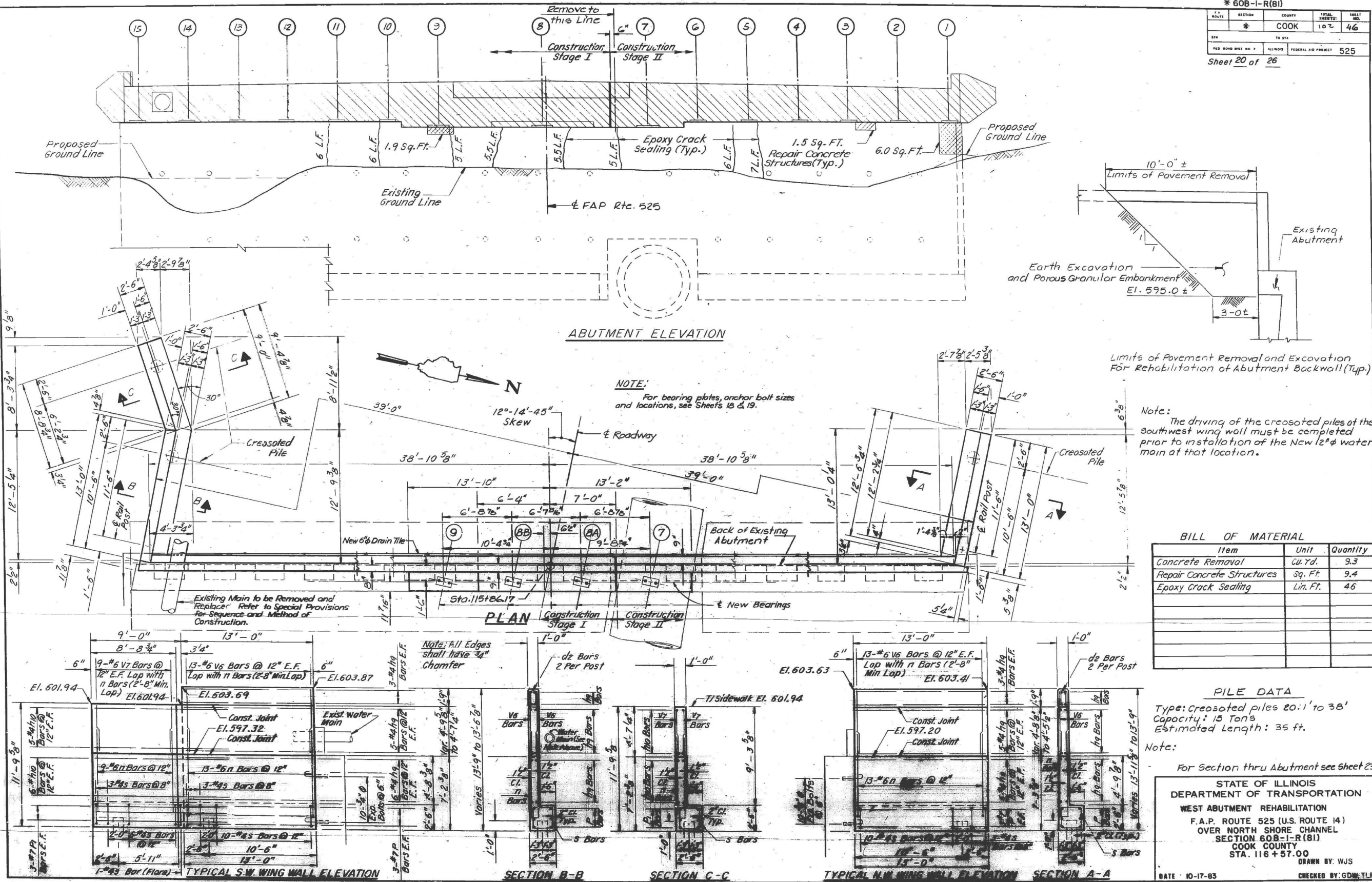
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	54
		CONTRACT NO. 62Y30		
		ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

* 60B-1-R(81)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 60B	COOK	COOK	102	46
FED. ROAD DIST. NO. 7	ILLINOIS	FEDERAL AID PROJECT	525	

Sheet 20 of 26



BILL OF MATERIAL		
Item	Unit	Quantity
Concrete Removal	Cu. Yd.	9.3
Repair Concrete Structures	Sq. Ft.	9.4
Epoxy Crack Sealing	Lin. Ft.	46

PILE DATA	
Type: Creosoted piles 20:1 to 38:1	
Capacity: 15 Tons	
Estimated Length: 35 ft.	

Note: For Section thru Abutment see Sheet 23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT REHABILITATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00
DRAWN BY: WJS
DATE: 10-17-83
CHECKED BY: GDM, TLR

USER NAME = gellwanger	DESIGNED - MTW	REVISED -
	CHECKED - PRD	REVISED -
PLOT SCALE = 02" = 1'	DRAWN - MTW	REVISED -
PLOT DATE = 8/19/2025	CHECKED - PRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 20 OF 25
STRUCTURE NO. 016-0367

SHEET EX 20 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	55
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

* 60B-1-R(81)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* COOK	COOK	102	47
STA.	TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FEDERAL AID PROJECT	525

Sheet 21 of 26

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2	4	#4	2'-1"	□
h	18	#5	24'-8"	—
h ₁	2	#5	27'-0"	—
h ₂	1	#5	19'-7"	—
h ₃	5	#8	19'-7"	—
h ₄	1	#5	22'-0"	—
h ₅	1	#5	9'-0"	—
h ₆	1	#5	6'-7"	—
h ₇	5	#8	6'-7"	—
h ₈	9	#5	33'-0"	—
h ₉	56	#4	12'-9"	—
h ₁₀	22	#4	10'-7"	—
h ₂₁	2	#5	5'-2"	—
n	35	#6	18'-3"	□
P	12	#7	12'-9"	—
P ₁	6	#7	12'-1"	—
S ₃	35	#4	9'-5"	□
V	80	#5	2'-6"	—
V ₁	50	#5	4'-5"	J
V ₂	54	#5	2'-8"	—
V ₃	32	#5	5'-0"	J
V ₄	31	#5	3'-3"	—
V ₅	27	#4	3'-2"	—
V ₆	52	#6	6'-2"	—
V ₇	18	#6	4'-6"	—

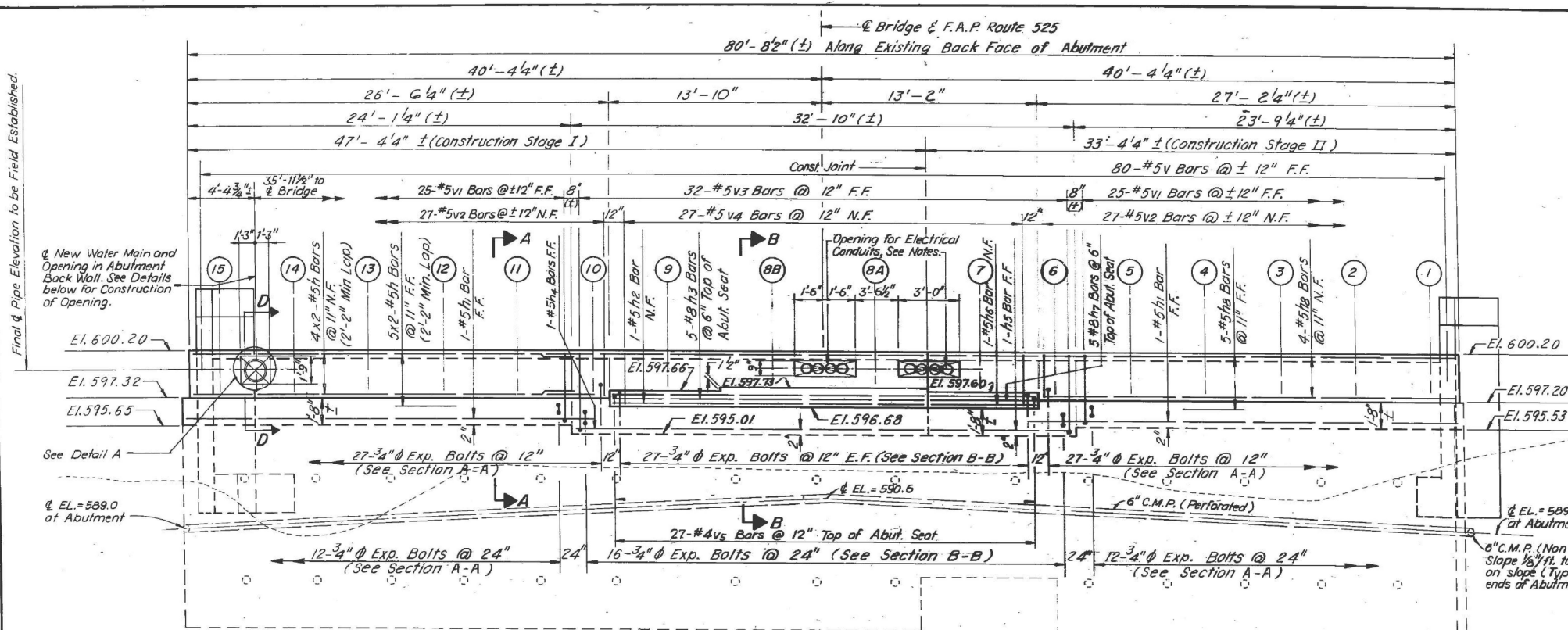
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT REHABILITATION
F.A.P. ROUTE 525 (U.S. ROUTE 14)
OVER NORTH SHORE CHANNEL
SECTION 60B-1-R(81)
COOK COUNTY
STA. 116+57.00

DRAWN BY: IMG, LRG

DATE: 10-17-83

CHECKED BY: GDW, TLR

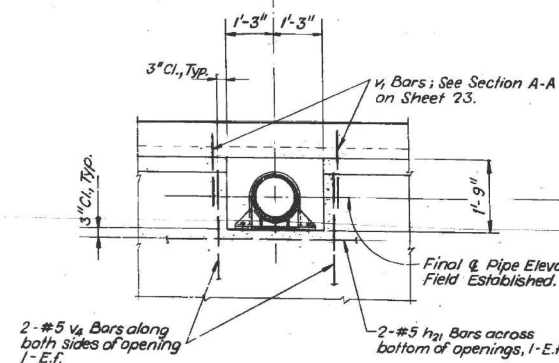
21



NOTES:

- For Sections A-A & B-B See Sheet No. 23.
- For Wing Walls Details See Sheet No. 20.
- See Sheet 26 for Bar Splice Details at Bonded Construction Joint.
- Bars indicated thus 5x2 etc. indicates 5 lines of bars with 2 lengths per line.

ABUTMENT ELEVATION



DETAIL A

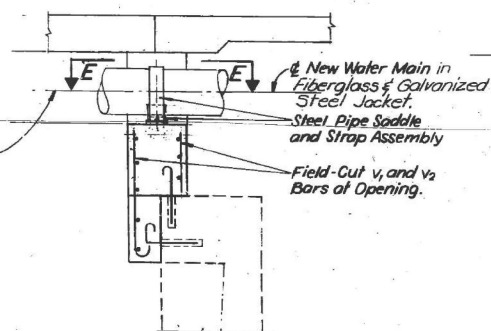
Showing Opening in Abutment Backwall for Water Main.

- NOTES: 1. Refer to Section A-A, Sheet 23, for Reinforcing and Other Details Not Shown.

2. Refer to the Drawing Prepared by the City of Chicago Department of Water, Bureau of Water Distribution and the Project Special Provisions for Details and Specifications for Steel Pipe Saddle and Strap Assembly.

3. Openings to be grouted solid with non-shrink grout following installation of water main.

SECTION D-D

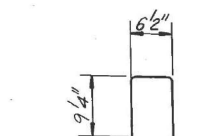


SECTION E-E

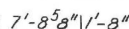
Anchor Bolt Locations for Water Main Saddle in Abutment.

Notes for Opening in Abutment Backwall for Electrical Conduit:

- Final & conduit elevation to be field established.
- Adjust vertical placement of h2 wall bars to clear opening by 1/2" on top and bottom.
- Field cut vertical v3 and v4 bars to clear openings (terminate these bars 1/2" below bottom of opening).
- Openings to be grouted solid following installation of electrical conduits.



BAR d2



BAR h10



BAR n



BAR P1



BAR s3



BAR v5



BARS v1 or v3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS 21 OF 25
STRUCTURE NO. 016-0367

SHEET EX 21 OF EX 25 SHEETS

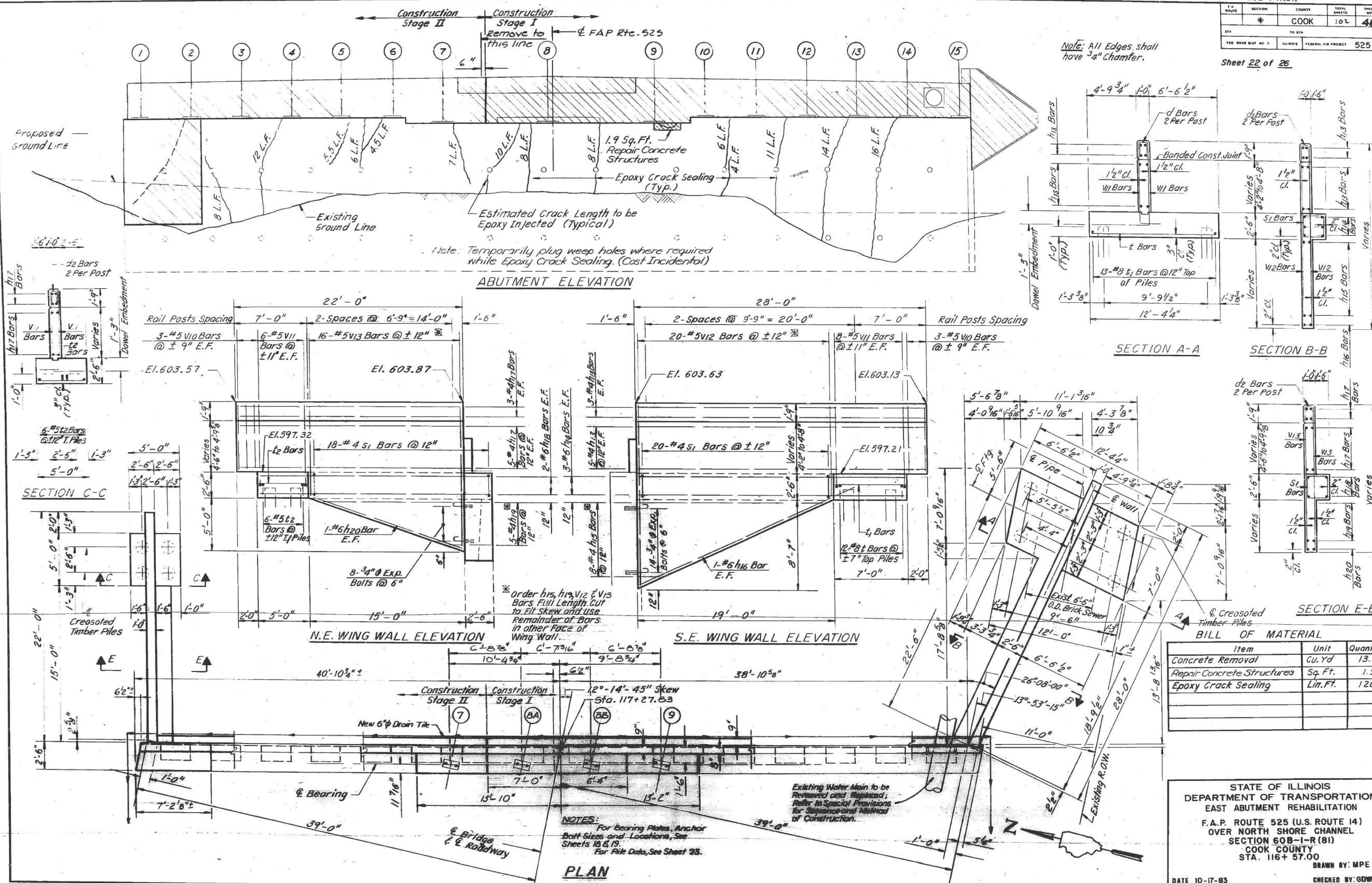
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	56
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

* 60B-I-R(81)

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	COOK	102	48	
STA.	TO STA.	ILLINOIS	FEDERAL AID PROJECT	525
FED. ROAD DIST. NO. 7				

Sheet 22 of 26

Note: All Edges shall have 3/4" Chamfer.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONEXISTING PLANS 22 OF 25
STRUCTURE NO. 016-0367

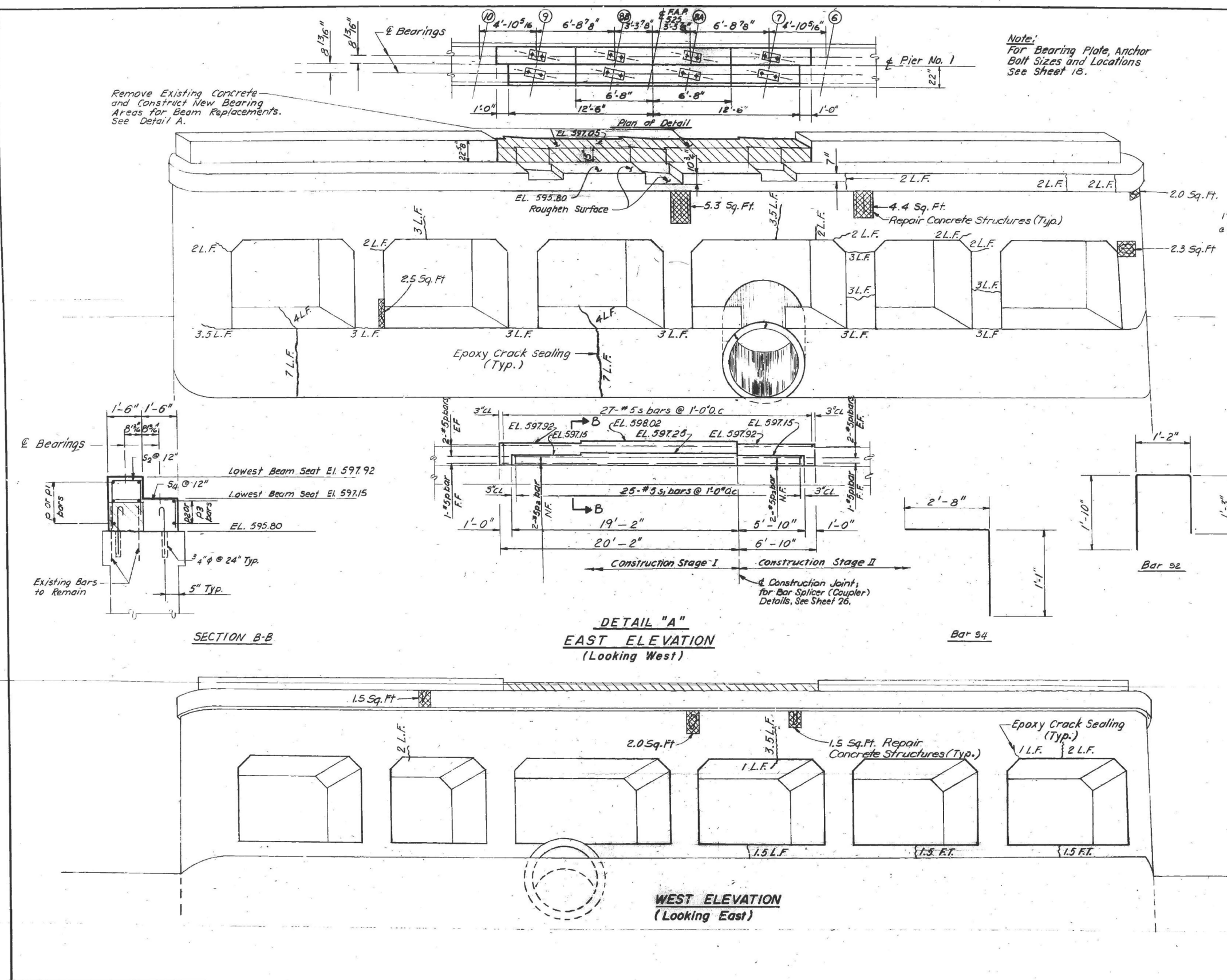
SHEET EX 22 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	57
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

60B-I-R(81)

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	59
STA	TO STA	ILLINOIS	FEDERAL AID PROJECT	525

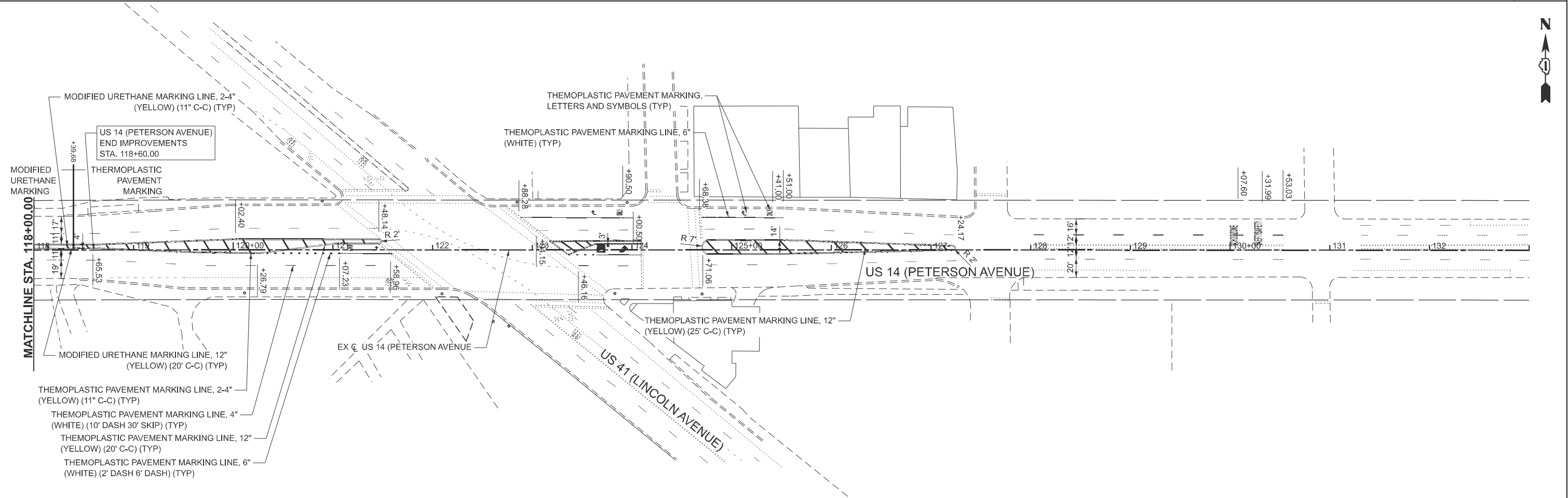
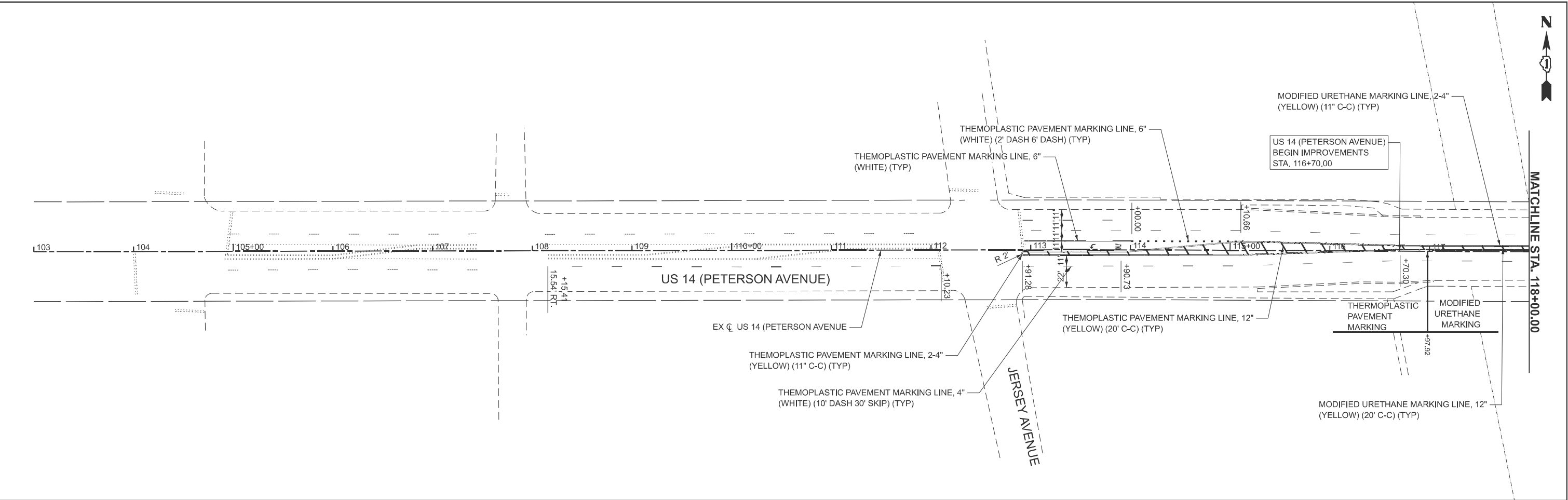
Sheet 24 of 26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONEXISTING PLANS 24 OF 25
STRUCTURE NO. 016-0367

SHEET EX 24 OF EX 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	(60B&C-NRM) BDR, BJR 25	COOK	68	59
CONTRACT NO. 62Y30				
ILLINOIS FED. AID PROJECT				

MODEL: PCL-Plan 1 (Sheet)
FILE NAME: W:\19+2\4 IDOT_208010_1013_US14 over North Shore Channel\CADD Sheets\62Y30-sh14-PMK.dgn



	USER NAME = jrodriguez		DESIGNED - JPR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN US 14 OVER NORTH SHORE CHANNEL BRIDGE REPAIRS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CHECKED - GJE	REVISED -		CONTRACT NO. 62Y30							
	PLOT DATE = 8/18/2025		DATE - 8/19/2025	REVISED -		SCALE: 1"=50'	SHEET 1	OF 1	SHEETS	STA. 103+00.00	TO STA. 133+00.00	ILLINOIS FED. AID PROJECT	

2-LANE ROADWAY

MULTI-LANE UNDIVIDED

MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

DETAIL "A"

DETAIL "B"

TYPICAL CROSSWALK MARKING

*** MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES**

4' (1.2 m) WIDE MEDIANS ONLY

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING
CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED
DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

ISLAND OFFSET FROM PAVEMENT EDGE

ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

COMBINATION LEFT AND U-TURN

U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ² EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT
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FIGURE 1

CONFLICTING PAVEMENT MARKING REMOVAL (TYP.)

ONLY

20' 16"

MEDIAN

6" WHITE REFLECTIVE PAVEMENT MARKING TAPE

4" YELLOW REFLECTIVE PAVEMENT MARKING TAPE (REMOVE CONFLICTING WHITE SKIP-DASH LINES FIRST.)

SEE DETAIL "A"

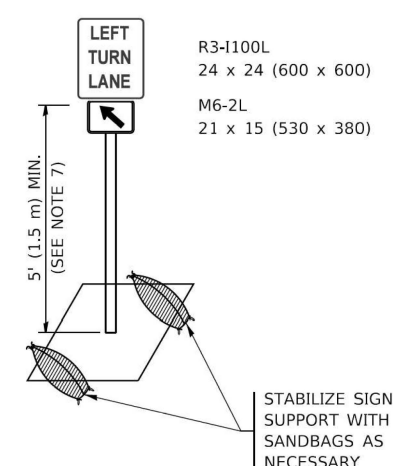
FIGURE 2

	WORK AREA
	LANE OPEN TO TRAFFIC
	ARROW BOARD
	TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
	DRUM WITH STEADY BURN LIGHT
	SIGN ASSEMBLY
	TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES

- NOTES:**
1. A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

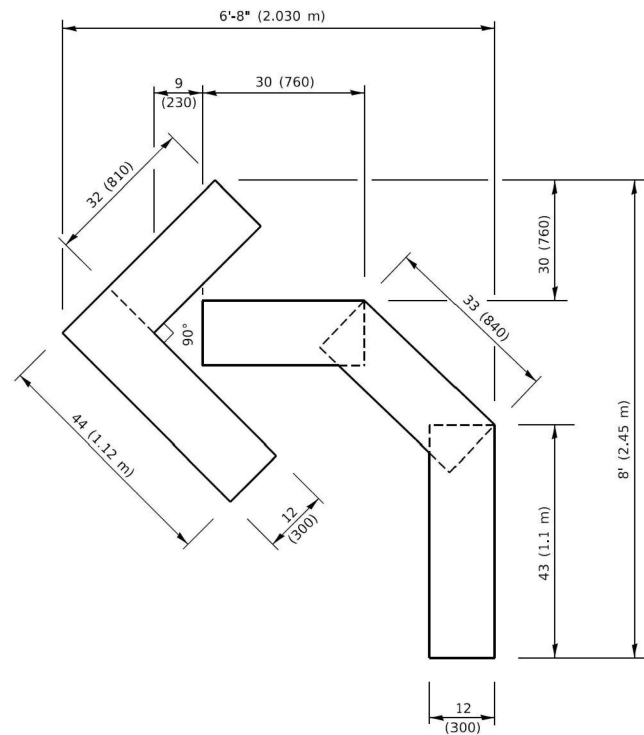
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

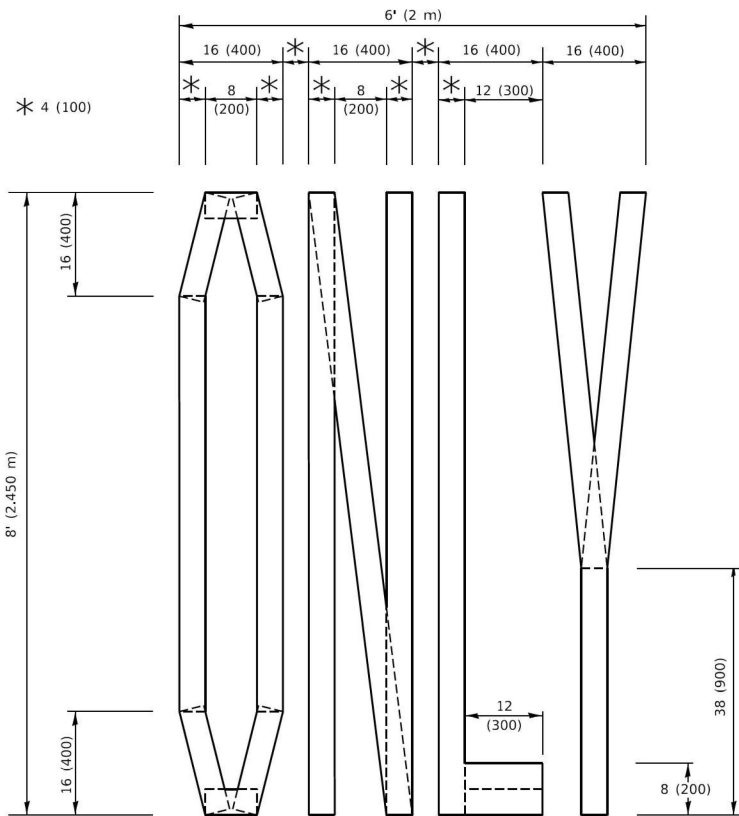
All dimensions are in inches (millimeters)
unless otherwise shown.

USER NAME = footemj		DESIGNED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - A. HOUSEH 11-07-95		REVISED - A. SCHUETZE 07-01-13	0341					(60B&C-NRM) BDR, BJR 25	COOK	68	65	
PLOT SCALE = 50.0000 ' / in.		CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					TC-14		CONTRACT NO. 62Y30		
PLOT DATE = 3/4/2019		DATE -T. RAMMACHER 01-06-00	REVISED -					SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.



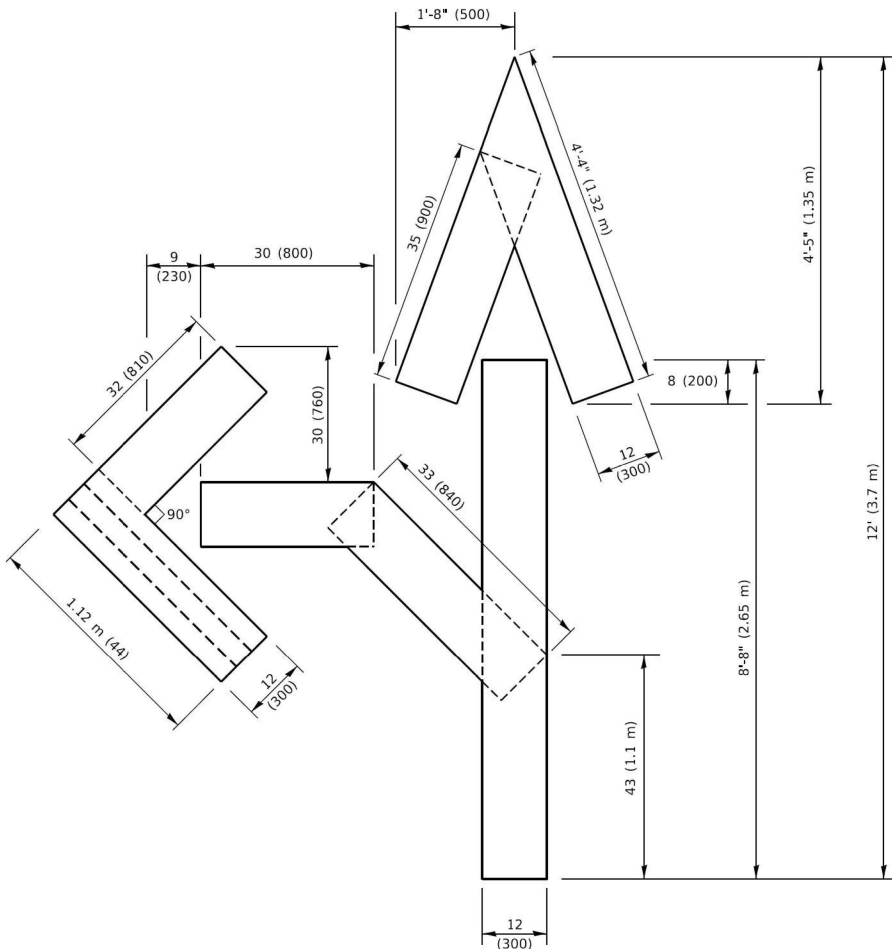
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

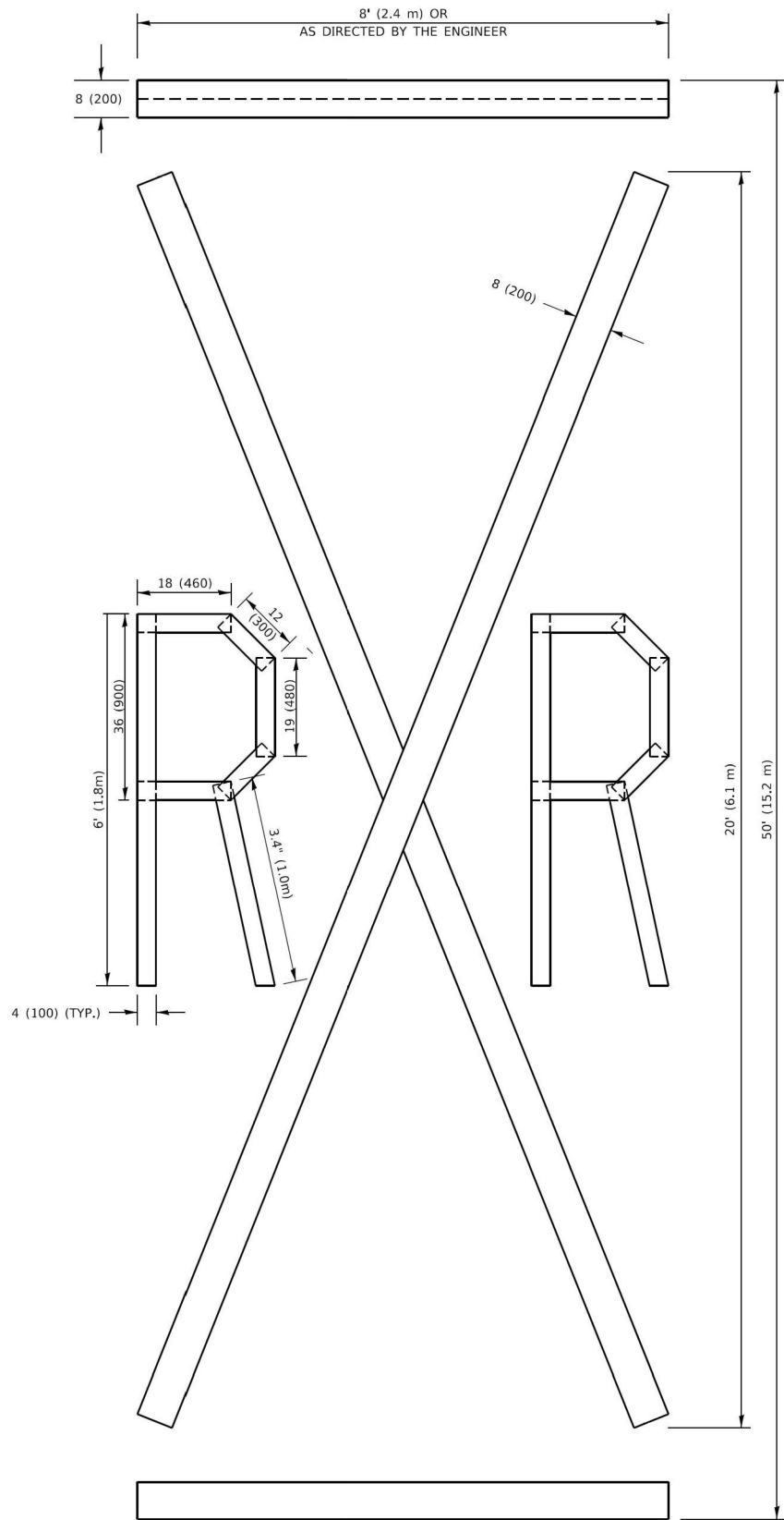


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

MODEL: Default
FILE: A:\016.dgn
PROJECT: 0341 (60B&C-NRM) BDR, BJR 25
SHEET: 68 OF 66
DATE: 03/4/2019
USER: footem

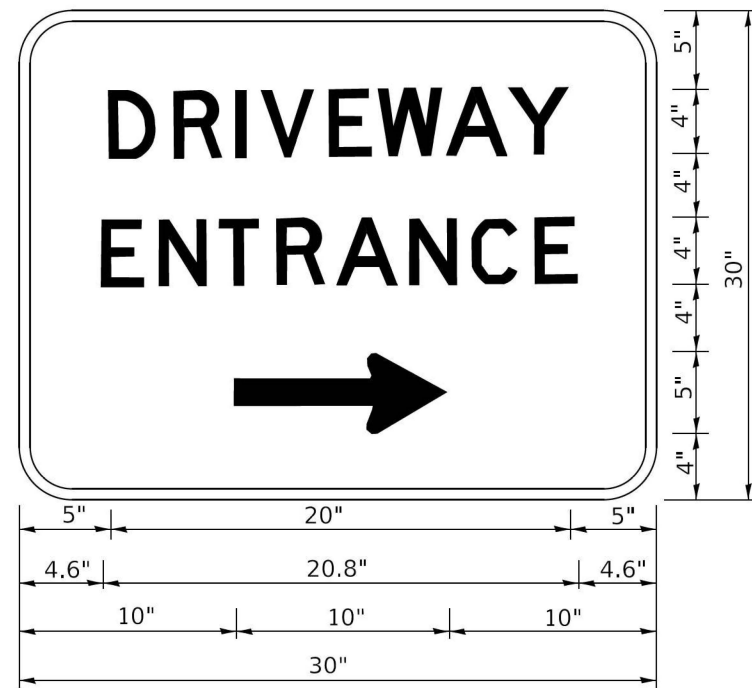
USER NAME	= footem]	DESIGNED	-	REVISED	- T. RAMMACH 03-02-98
DRAWN	-	CHECKED	-	REVISED	- E. GOMEZ 08-28-00
PLOT SCALE	= 50.0068 ' / in.	DATE	- 09-18-94	REVISED	- E. GOMEZ 08-28-00
PLOT DATE	= 3/4/2019			REVISED	- A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0341	(60B&C-NRM) BDR, BJR 25	COOK	68	66
TC-16		CONTRACT NO. 62Y30		
		ILLINOIS FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
 - 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
 - 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

Model: Default
File Name: p:\planroom\dot.illinois.gov\p\p\DOT\Documents\DOT_Offices\Uhrict 1\Projects\UHS42234\CADData\CADsheet\TC26.dgn

	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					0341	(60B&C-NRM) BDR, BJR 25	COOK	68	68
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		TC-26			CONTRACT NO. 62Y30				
	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	