

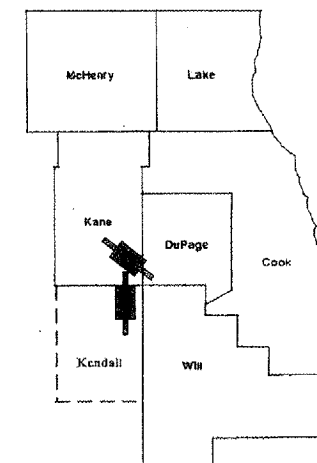
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE AND KENDALL	38 +3 = 41	1

FOR INDEX OF SHEETS SEE SHEET 2

CONTRACT NO. 60B26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT ONE
PROPOSED HIGHWAY PLANS

D-91-316-06



IMPROVEMENT IS LOCATED IN THE VILLAGE OF MONTGOMERY

LOC 1: FAP 860: IL 31
OVER BNSF RR
LOC 2: FAP 349: US 30
OVER IL 31, BNSF RR & IL RAILNET RR
SECTION: 2006-007 I
BRIDGE REPAIRS
KANE AND KENDALL COUNTIES
C-91-316-06

LOCATION OF IMPROVEMENT INDICATED THUS:

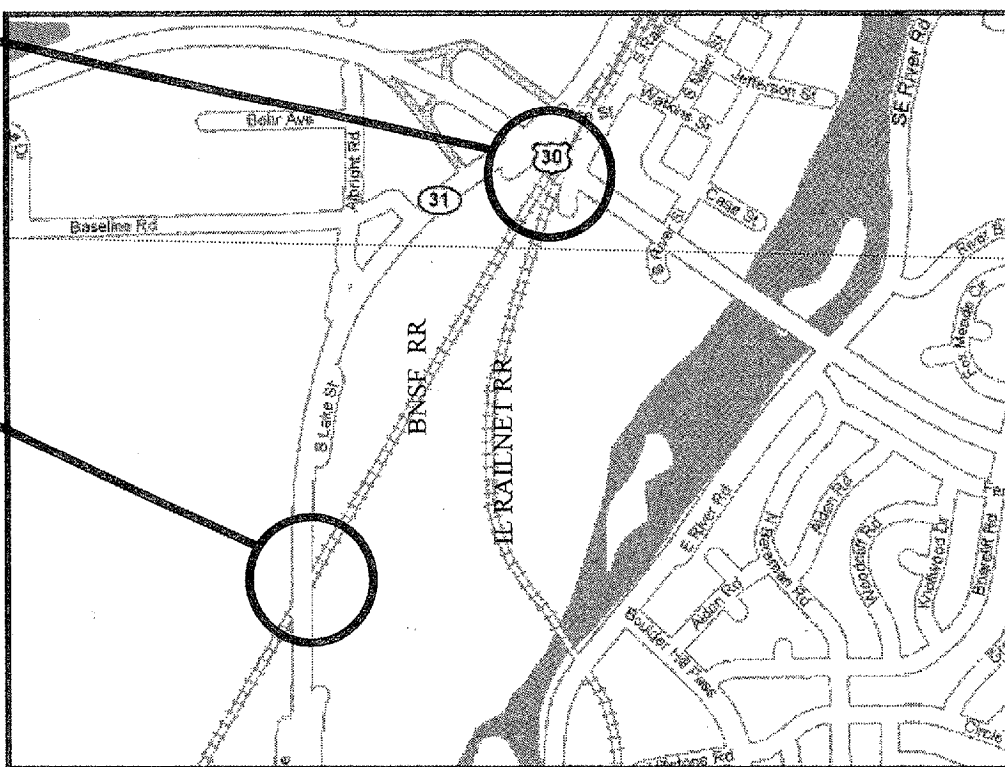
LOCATION 2
US 30 OVER IL 31 & BNSF RR
& IL RAILNET RR
SN 045-0039

LOCATION 1
ILL 31 OVER BNSF RR
SN 047-0006

TRAFFIC DATA:

(IL 31)
SPEED LIMIT = 45 MPH
2006 ADT = 22,200

(US 30)
SPEED LIMIT = 45 MPH
2005 ADT = 17,000



AURORA & OSWEGO TOWNSHIPS



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: Nov. 1 2007
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 7, 2007
Eric E. Harn
Interim ENGINEER OF DESIGN AND ENVIRONMENT

December 7, 2007
Christine M. Reed
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

DISTRICT ONE - DESIGN - PLAN PREPARATION ENGINEER:
KEN ENG / ROBERT BORO (847) 705-4178

CONTRACT NO. 60B26

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	2

CONTRACT NO. 60B26

INDEX OF SHEETS

<u>SHEET NO</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS & STATE STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
* 5 - 8	BRIDGE REPAIR DETAILS (LOC 1: SN 047-0006)
9 - 35	BRIDGE REPAIR DETAILS (LOC 2: SN 045-0039)
36 - 37	TRAFFIC STAGING PLAN (LOC 2: SN 045-0039)
38	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

* INCLUDES TA - TC.

STATE STANDARDS

<u>STANDARD NO</u>	<u>DESCRIPTION</u>
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701601-05	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901	TRAFFIC CONTROL DEVICES

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
STATE STANDARDS

Rev.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	3

CONTRACT 60B26

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORKS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE 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 UPON THE UNIT PRICE BID FOR THE WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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 STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

THE ENGINEER SHALL CONTACT DON CHIARUGI, TRAFFIC FIELD ENGINEER, AT (847) 741-9857 TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM BRIDGE INSPECTORS.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF MONTGOMERY.

ALL 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.

LIGHTING ON IL 31 SHALL BE MAINTAINED. CONTRACTOR SHALL USE CAUTION WHILE WORKING NEAR ELECTRICAL IN AREAS OF SUBSTRUCTURE REPAIRS.

ILLINOIS DEPARTMENT OF
TRANSPORTATION

GENERAL NOTES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE SFTY-2A		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LOC 1	LOC 2
			100% STATE	047-0006 KENDALL CO	045-0039 KANE CO
28100107	STONE RIPRAP, CLASS A4	SO YD	40.4		40.4
28200200	FILTER FABRIC	SO YD	63.6		63.6
50800515	BAR SPLICERS	EACH	24	24	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3030	3030	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	18.3	18.3	
50102400	CONCRETE REMOVAL	CU YD	18.3	18.3	
52000340	NEOPRENE EXPANSION JOINT 4"	FOOT	135	135	
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MD	3	1	2
67100100	MOBILIZATION	L SUM	1	0.25	0.75
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.50	0.50
*81800340	AERIAL CABLE, 3-1/C NO. 8 WITH MESSENGER WIRE	FOOT	40		40
70400100	TEMPORARY CONCRETE BARRIER	FOOT	150	150	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	150	150	
*89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	30		30
*89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	30		30
X0320887	POLYMER CONCRETE	CU FT	32.2	16.0	16.2
X0321744	SILICONE JOINT SEALER, 2"	FOOT	597.6	401.6	196
X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SO FT	144	48	96

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE SFTY-2A		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LOC 1	LOC 2
			100% STATE	047-0006 KENDALL CO	045-0039 KANE CO
X0322933	SILICONE JOINT SEALER, 2.5"	FOOT	63.3		63.3
*X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1		1
*X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	30		30
X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SO FT	70.2		70.2
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	1743.1		1743.1
*X8110145	CONDUIT ATTACHED TO STRUCTURE, 1" DIA. RIGID GALVANIZED STEEL, PVC COATED	FOOT	30		30
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1		1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	12		12
*X0325906	ELECTRIC CABLE IN CONDUIT, (EPR-TYPE RHW), 3-1C NO. 10, 1/C NO. 10 GROUND	FOOT	32		32
Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	

*SPECIALTY ITEMS

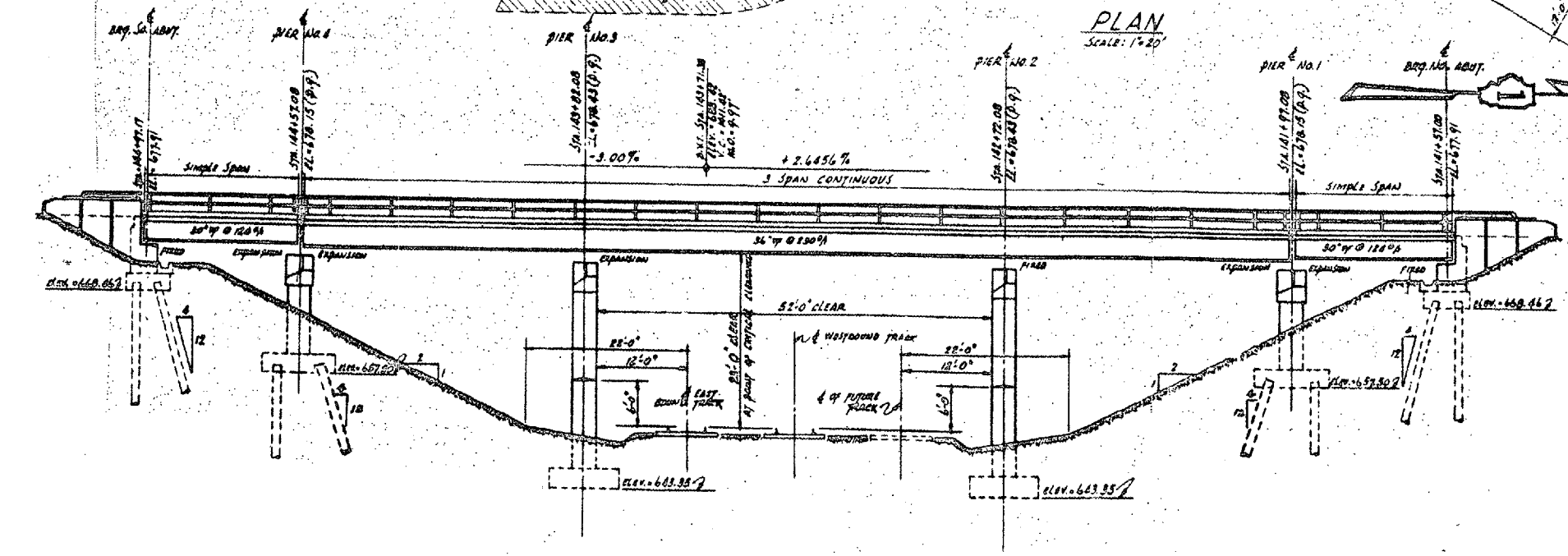
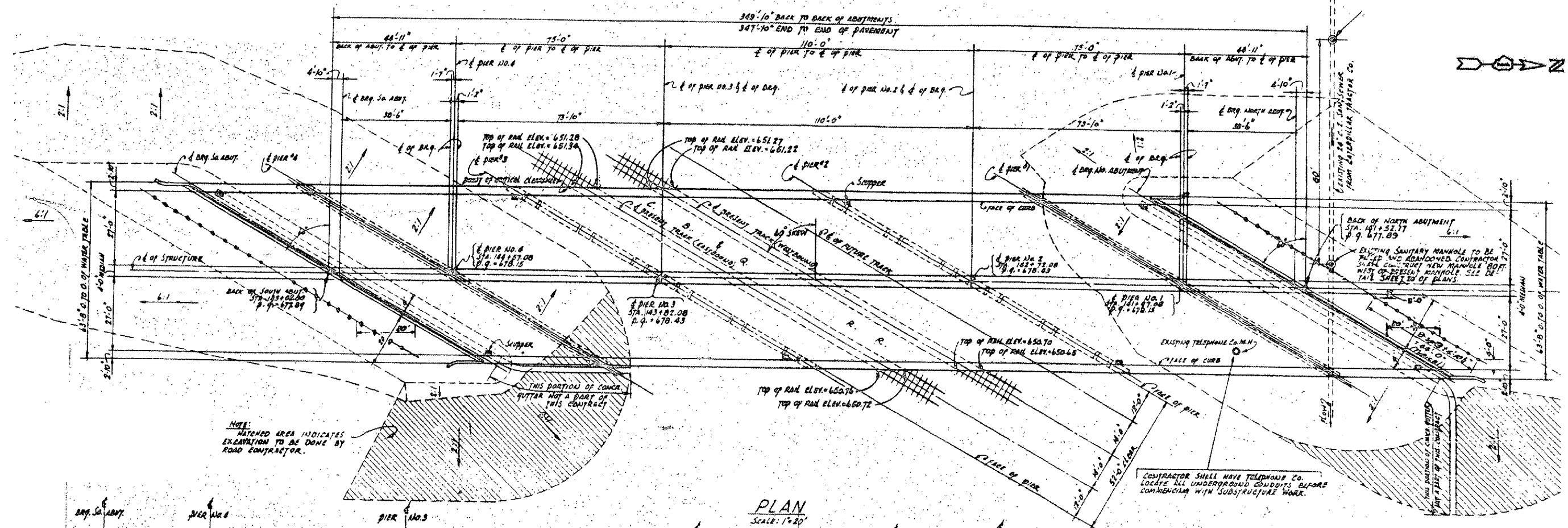
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES
NAME	DATE	

11/5/2007 10:52:13 AM

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	5

CONTRACT NO. 60B26

SHEET 1 OF 4

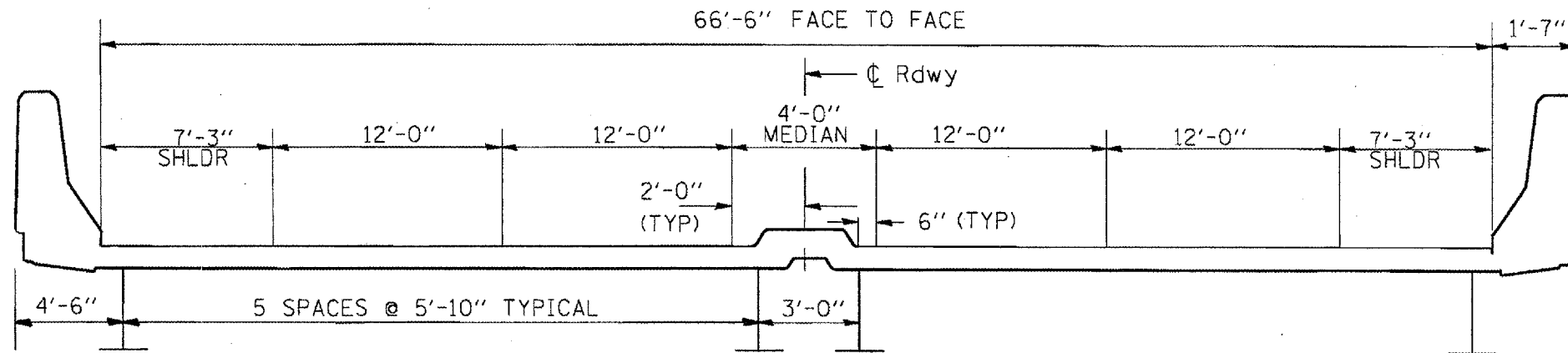


**FOR
INFORMATION
ONLY**

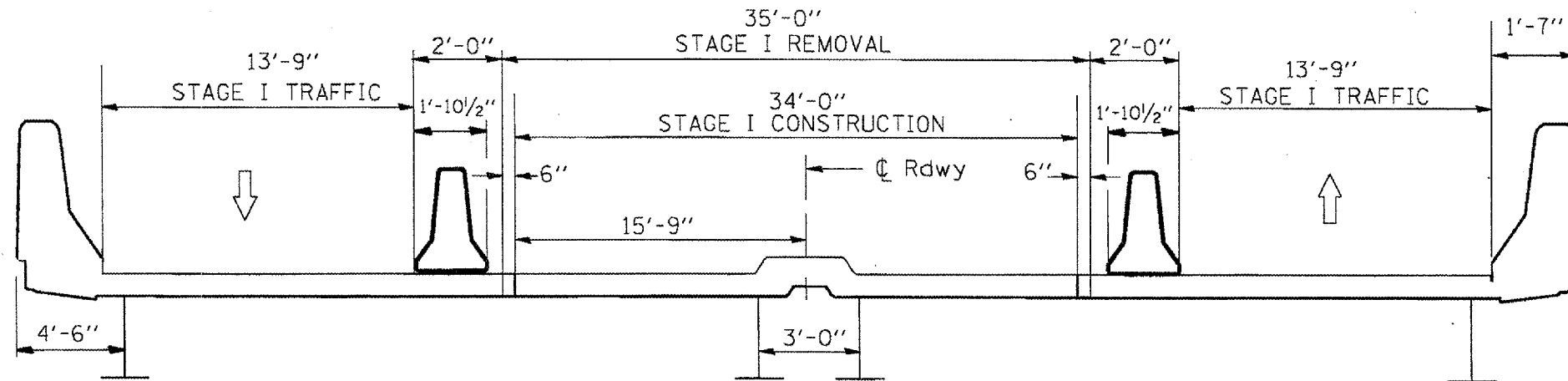
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 1

PLAN & ELEVATION
IL 31 OVER BNSF RR
SN 047-0006

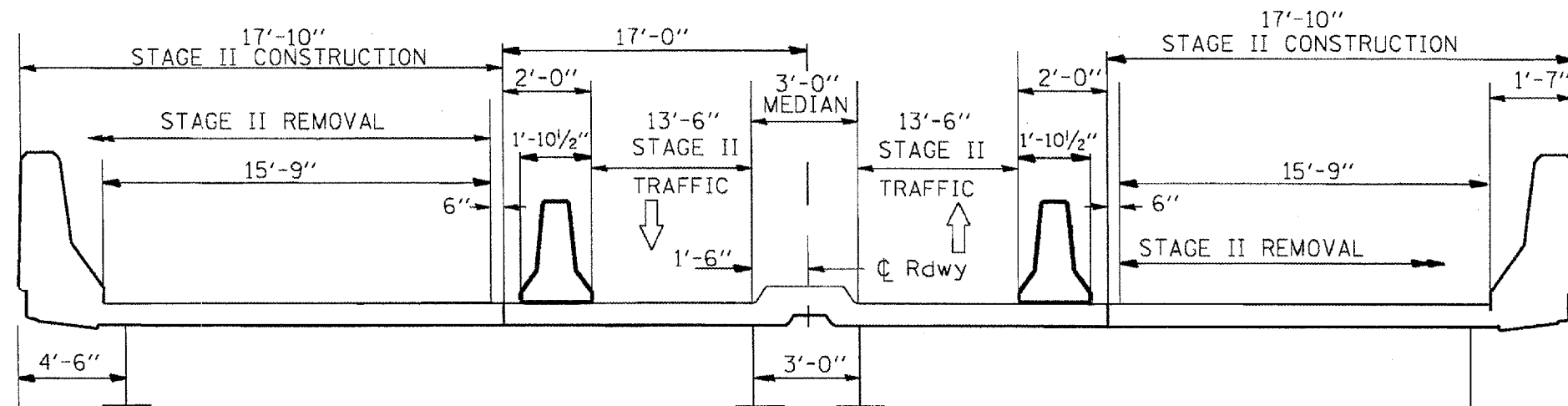
F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
850 339	2006-007	KANE/KENDALL	38	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



EXISTING CROSS SECTION



STAGE I CROSS SECTION



STAGE II CROSS SECTION

PLOT DATE: 12/18/2007
 FILE NAME: I:\projects\2006\007\121807\121807.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER: JWB

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

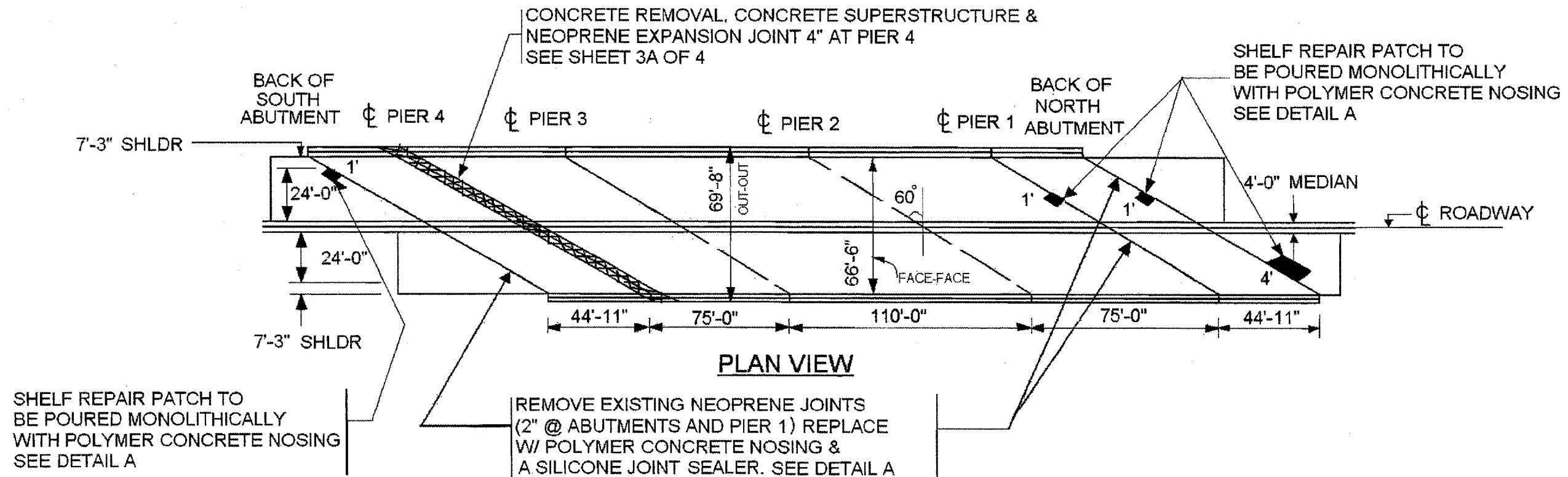
TRAFFIC STAGING
LOCATION 1
IL 31 OVER BNSF RR
SN 047-0006

SCALE: VERT. DATE
HORIZ. CHECKED BY

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	7

CONTRACT NO. 60B26

SHEET 3 OF 4



TOTAL BILL OF MATERIALS		
ITEM	UNITS	QUANTITY
POLYMER CONCRETE	CU FT	16.0
SILICONE JOINT SEALER, 2"	FOOT	401.6
BAR SPLICERS,	EACH	24
REINFORCEMENT BARS, EPOXY COATED	POUND	3030
CONCRETE SUPERSTRUCTURE	CU YD	18.3
CONCRETE REMOVAL	CU YD	18.3
NEOPRENE EXPANSION JOINT 4"	FOOT	135

FOR DETAIL A SEE SHEET 4 OF 4

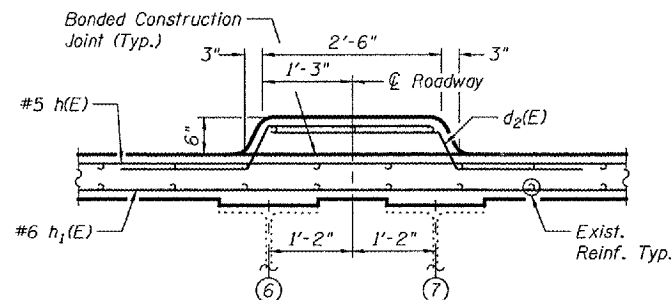
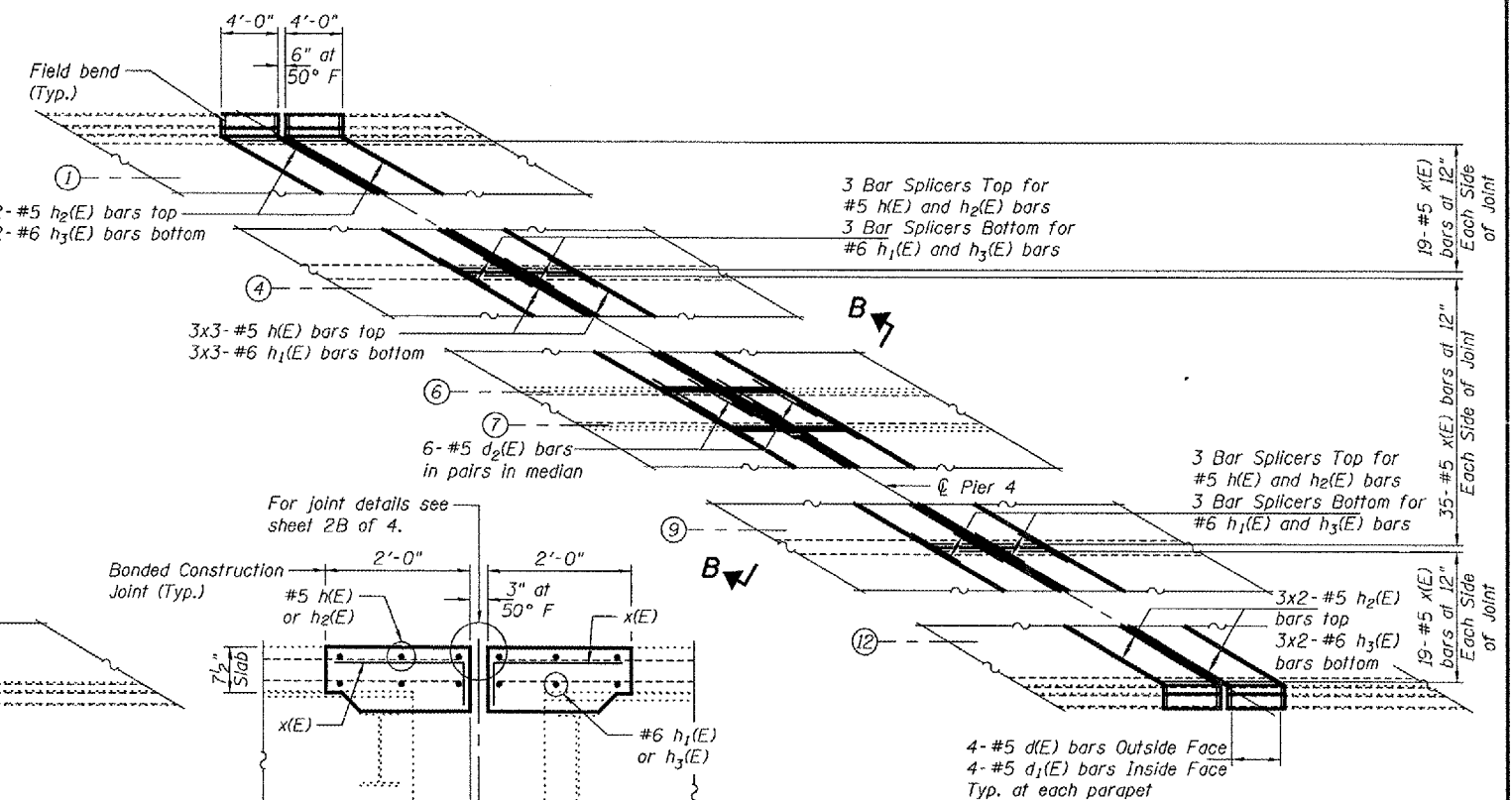
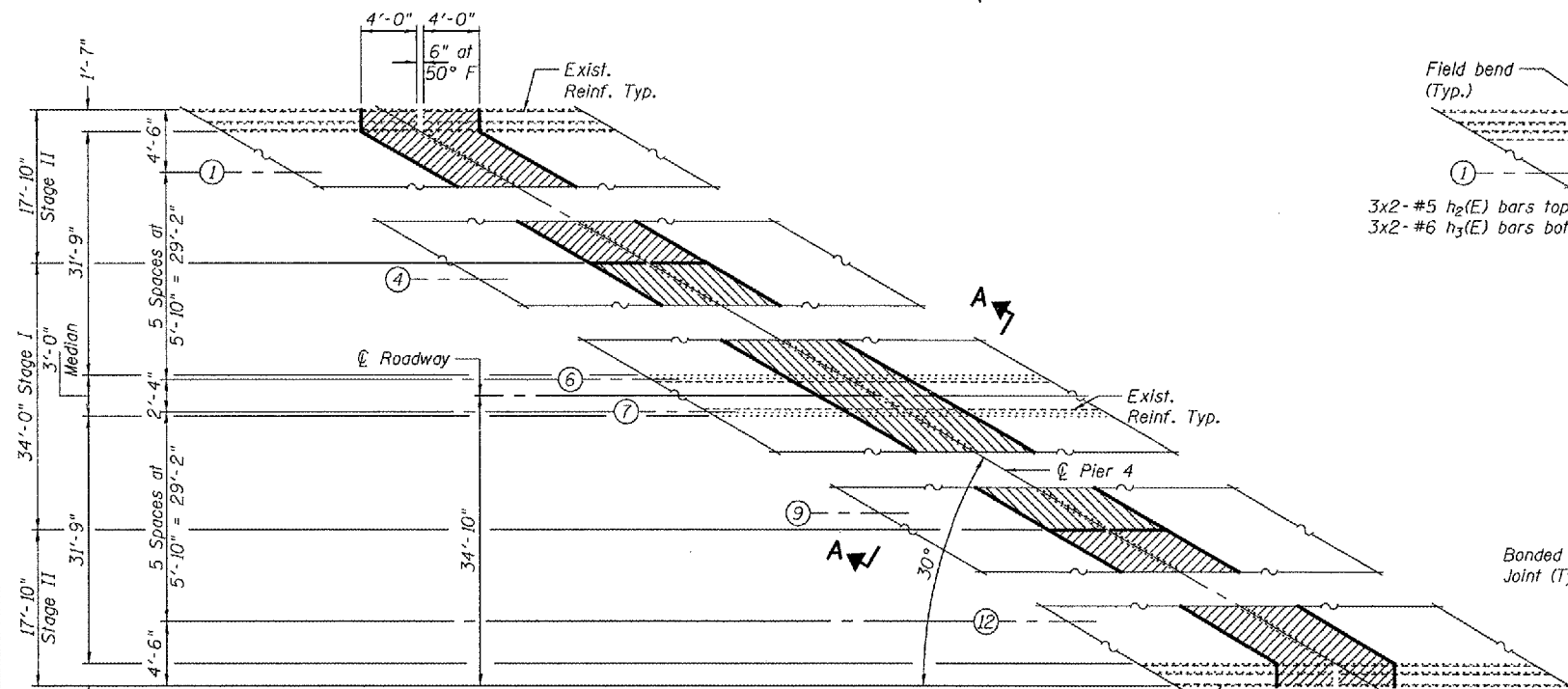
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 1

PLAN VIEW
IL 31 OVER BNSF RR
SN 047-0006

REV

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

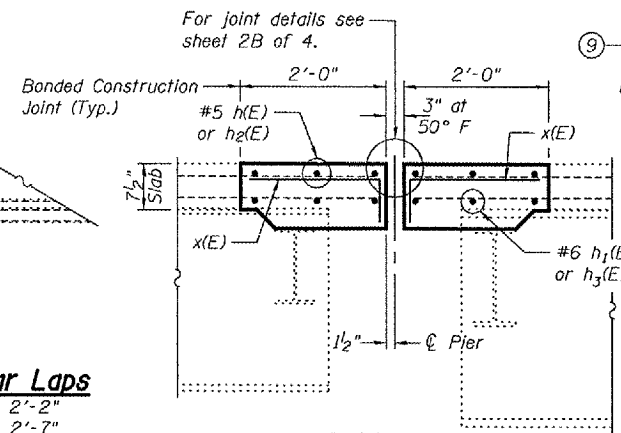
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3A
		Kendall	38	7A	4 SHEETS
Contract Number: ---					



MEDIAN SECTION
(Dims at Rt. L's to Roadway)

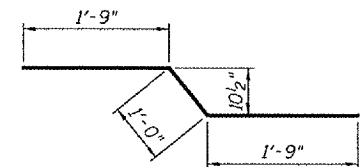
PARTIAL REMOVAL PLAN

Min Bar Laps
#5 = 2'-2"
#6 = 2'-7"

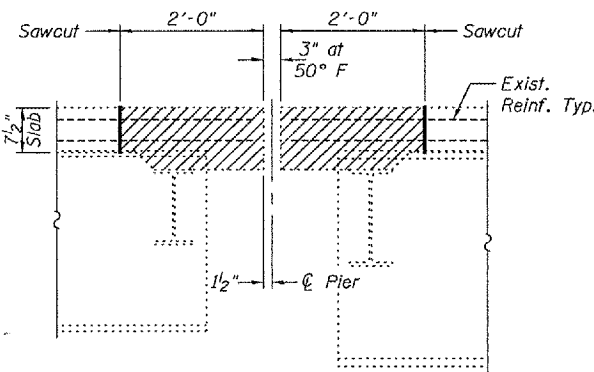


SECTION B-B
(Dims at Rt. L's to joint)

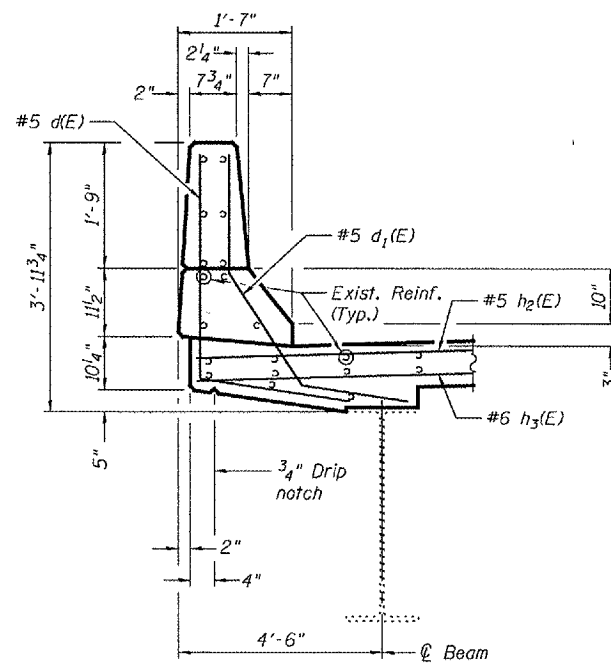
PARTIAL PIER PLAN



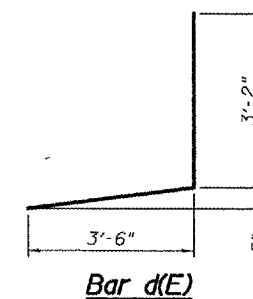
Bar d2(E)



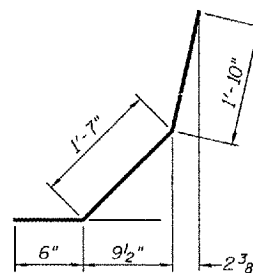
SECTION A-A
(Dims at Rt. L's to joint)



TYPICAL PARAPET SECTION



Bar d(E)

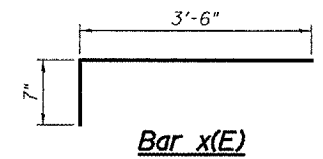


Bar d1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	6'-8"	L
d1(E)	16	#5	3'-11"	L
d2(E)	12	#5	4'-6"	L
h(E)	18	#5	24'-1"	—
h1(E)	18	#6	24'-4"	—
h2(E)	24	#5	18'-11"	—
h3(E)	24	#6	19'-2"	—
x(E)	146	#5	4'-1"	L
Bar Splicers		Each	24	
Reinforcement Bars, Epoxy Coated		Pound	3,130	
Concrete Superstructure		Cu. Yd.	18.3	
Concrete Removal		Cu. Yd.	18.3	
Neoprene Expansion Joint 4"		Foot	135	

Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.



Bar x(E)

PIER 4 EXPANSION JOINT DETAILS
IL 31 OVER BNSF RR
KENDALL COUNTY
SN 047-0006

DESIGNED	
CHECKED	
DRAWN	Drew Christopher
CHECKED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL	SHEET NO. 3B
		Kendall	38	78	4 SHEETS
Contract Number: ---					

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

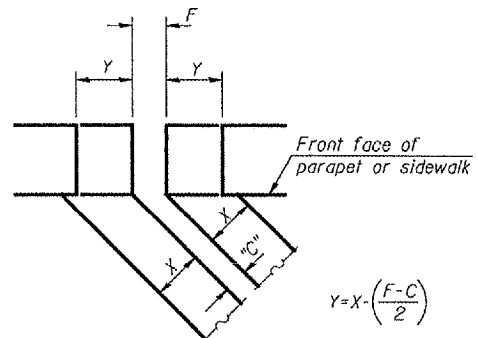
INSTALLATION NOTES

- Install continuous seal in roadway, parapet, curb, and sidewalk.
- Install anchor blocks as indicated.

Note A:
Maximum spacing of anchor bolts shall be 12" centers.

SKEW LIMITATIONS

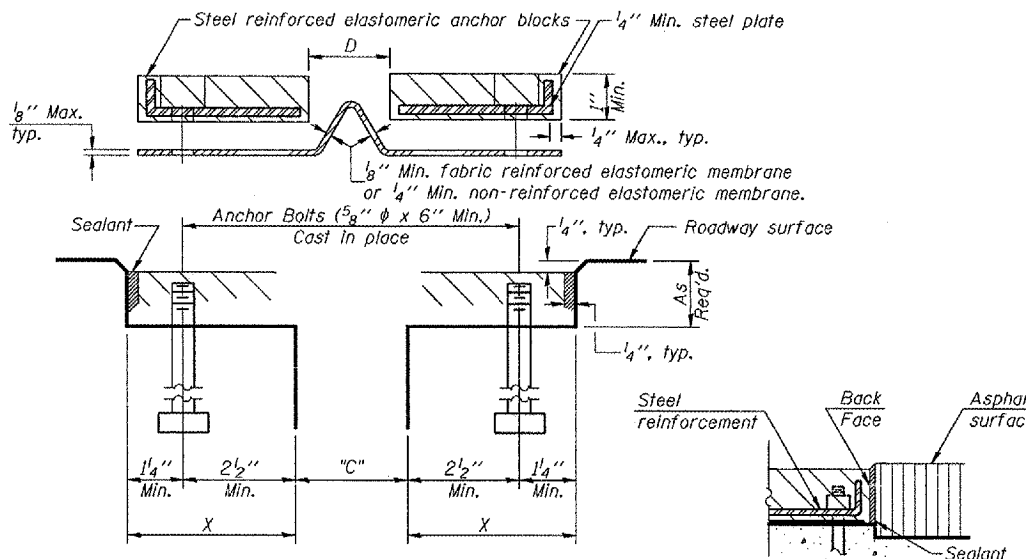
The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews. For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 1 1/2" from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±12" cts.



FORMING BLOCKOUT SKETCH

$$Y = X \cdot \left(\frac{F - C}{2} \right)$$

For dimension "F" see sheet 2A.

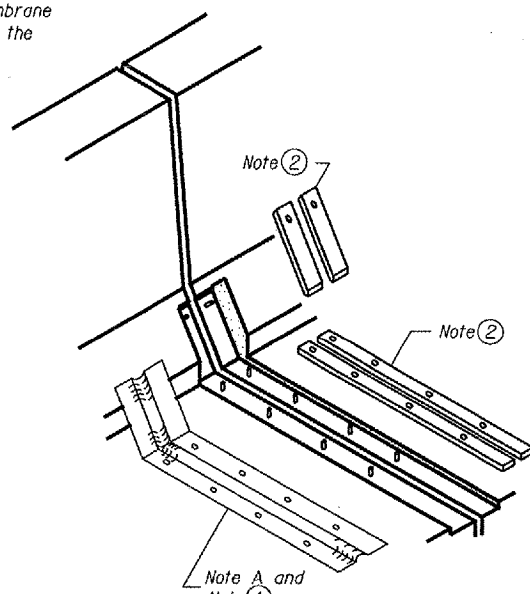


CROSS SECTION

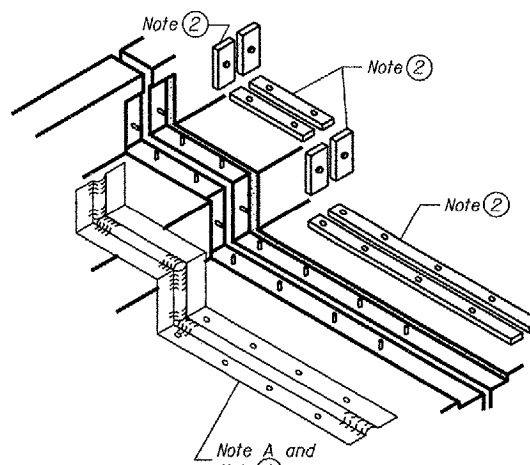
ANCHOR BLOCK WITH ASPHALT SURFACE

GENERAL NOTES

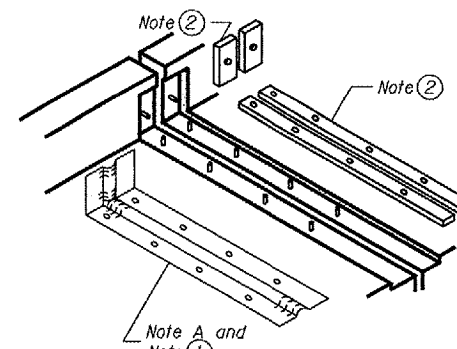
Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane. The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure. The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed. Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F. The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.



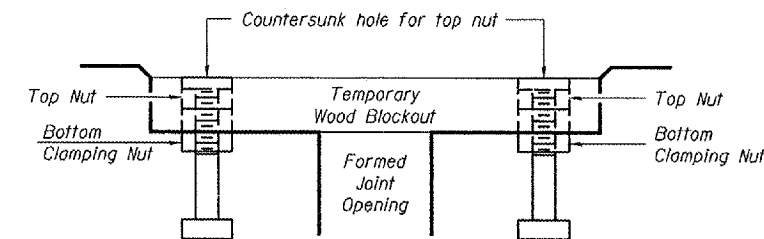
AT PARAPET



AT SIDEWALK OR MEDIAN



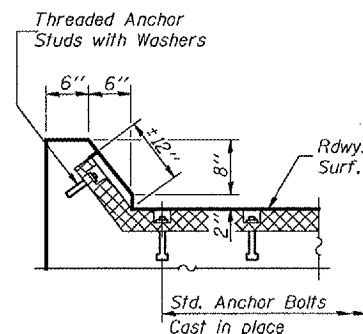
AT WALL



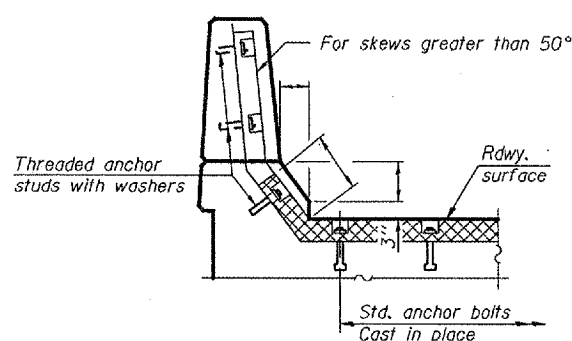
RECOMMENDED BLOCKOUT DETAIL

Note:
Stud needs to be threaded lower to allow for use of clamping nut.

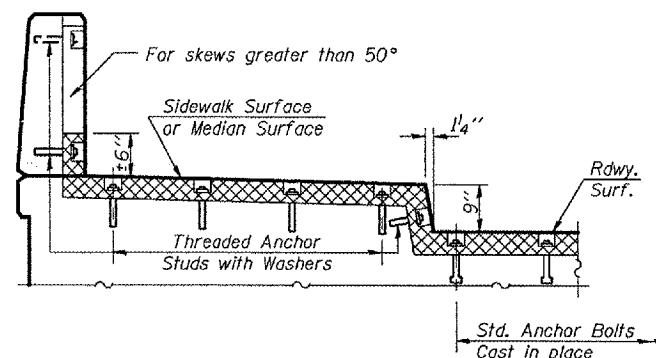
Anchor studs should be stainless



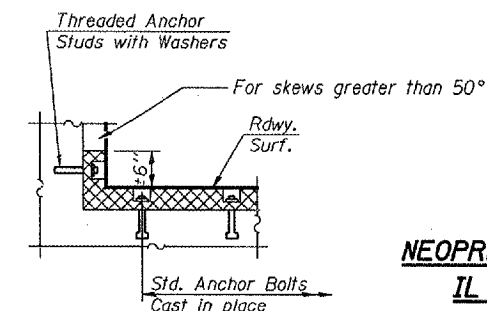
AT CURB



AT PARAPET



**AT SIDEWALK OR MEDIAN
TYPICAL END TREATMENTS**



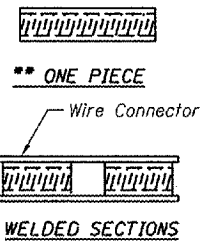
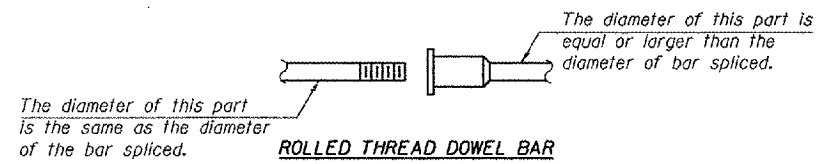
AT WALL

**NEOPRENE EXPANSION JOINT
IL 31 OVER BNSF RR
KENDALL COUNTY
SN 047-0006**

DESIGNED	
CHECKED	
DRAWN	Drew Christopher
CHECKED	
EJ-CS	10-22-04

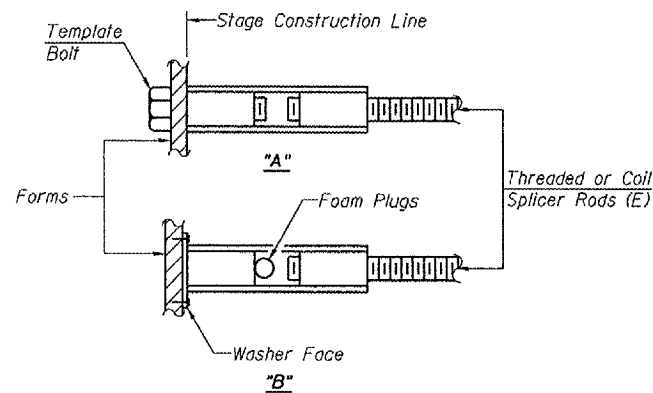
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 3C 4 SHEETS
		Kendall	38	7C	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		Contract Number: ---



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

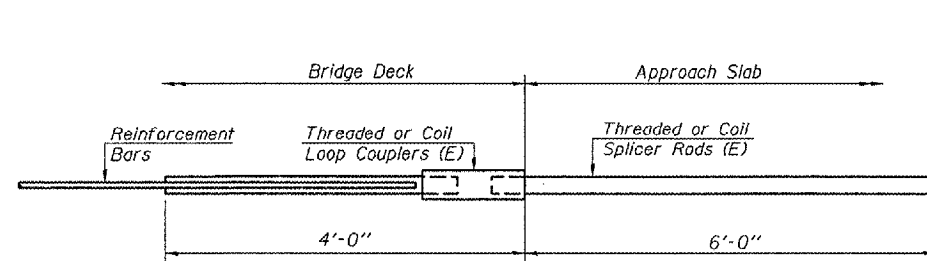
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

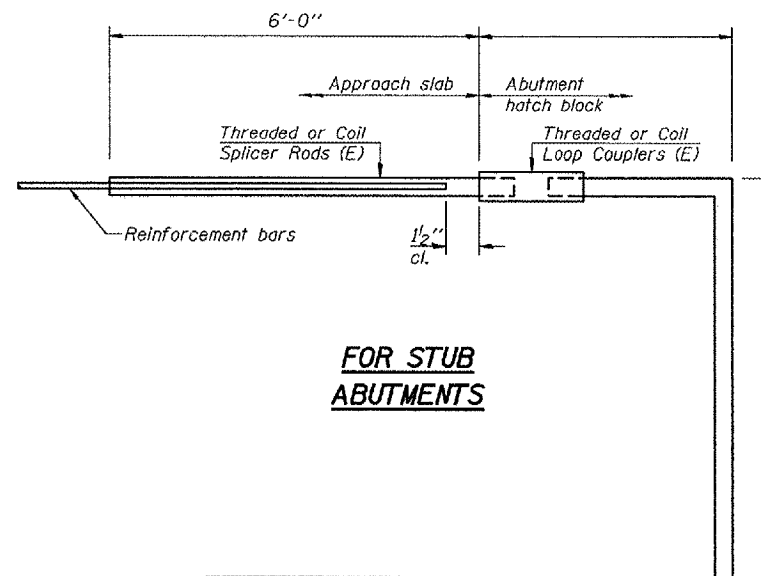
- ① Minimum Capacity = $1.25 \times f_y \times A_l$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_l$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_l = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



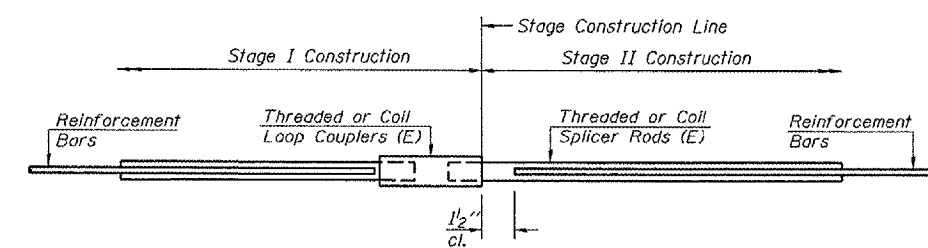
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location
#5	12	Top of Deck
#6	12	Bottom of Deck

DESIGNED
CHECKED
DRAWN Drew Christopher
CHECKED

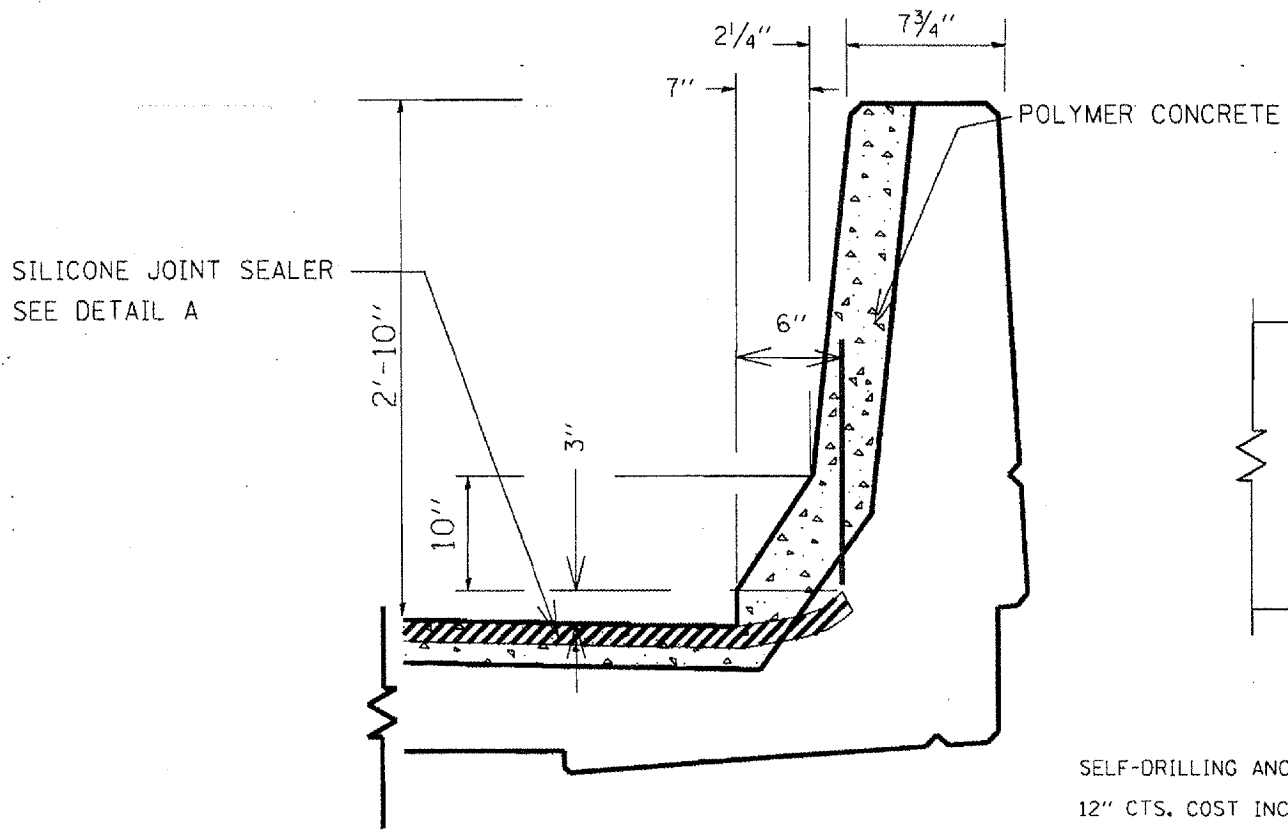
BSD-1

11-1-06

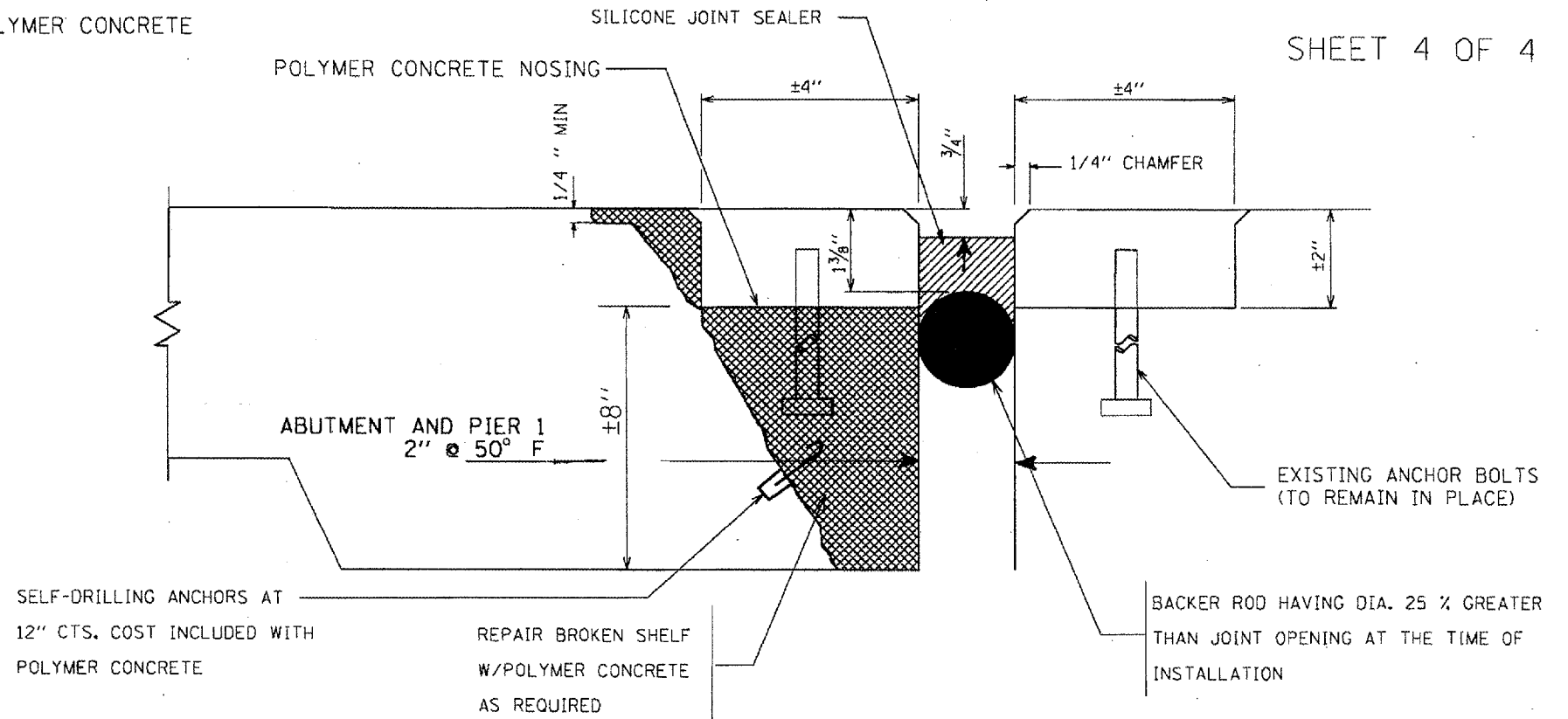
BAR SPLICER DETAILS
IL 31 OVER BNSF RR
KENDALL COUNTY
SN 047-0006

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2006-007	KANE, KENDALL	38	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

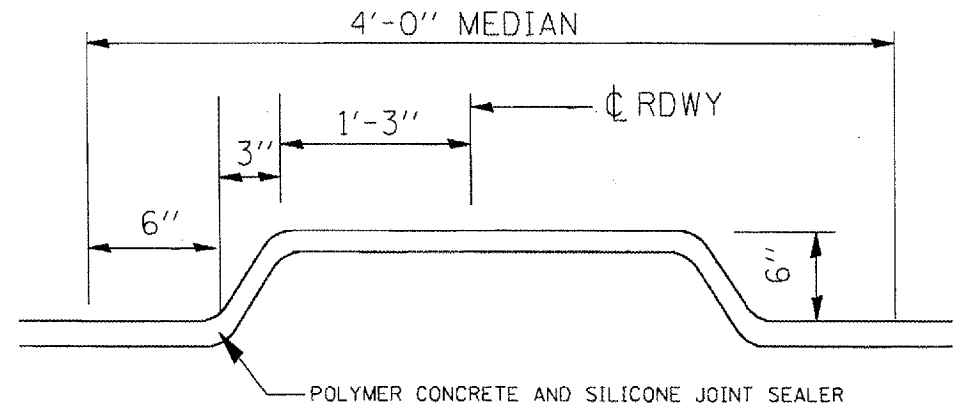
SHEET 4 OF 4



END OF SEAL TREATMENT



DETAIL A



SEAL TREATMENT AT MEDIAN

PLOT DATE • 12/7/2007
 PLOT SCALE • 1/8" = 1'-0"
 USER NAME • mshelton

Rev

REVISIONS	
NAME	DATE

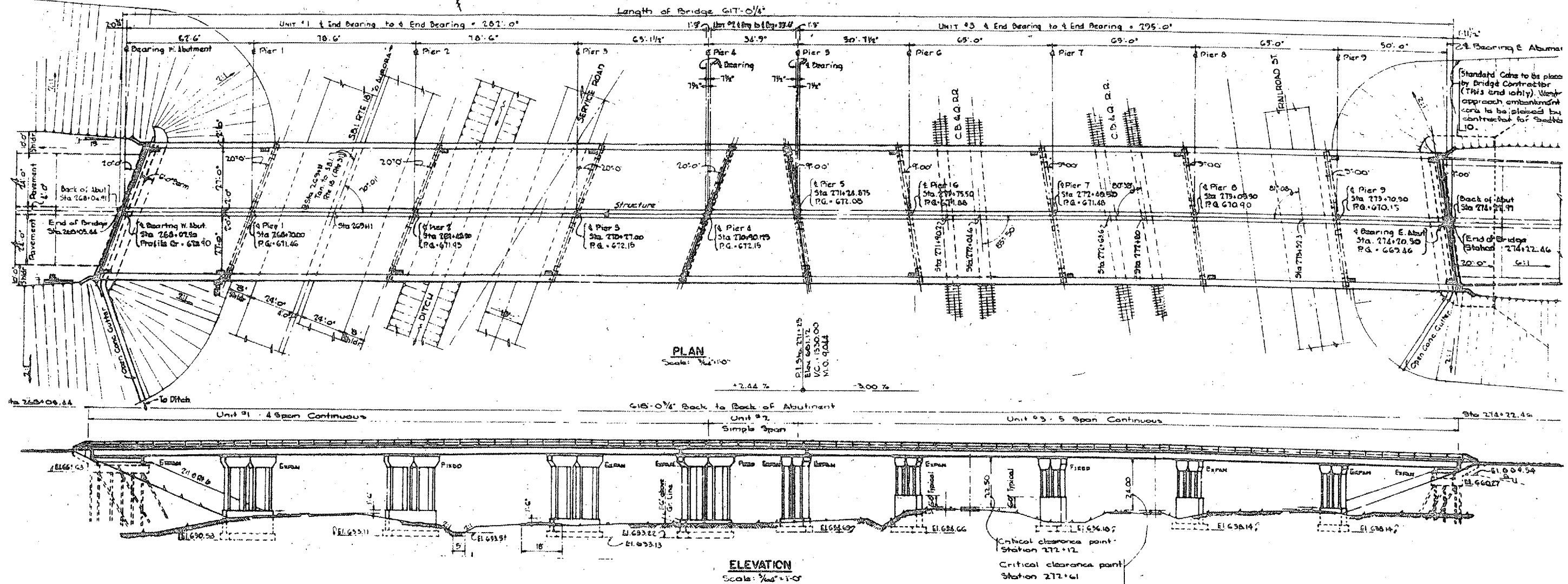
ILLINOIS DEPARTMENT OF TRANSPORTATION
 REPAIR DETAIL A
 LOCATION 1
 IL 31 OVER BNSF RR
 SN 047-0006
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	9

CONTRACT NO. 60B26

SHEET 1 of 27

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

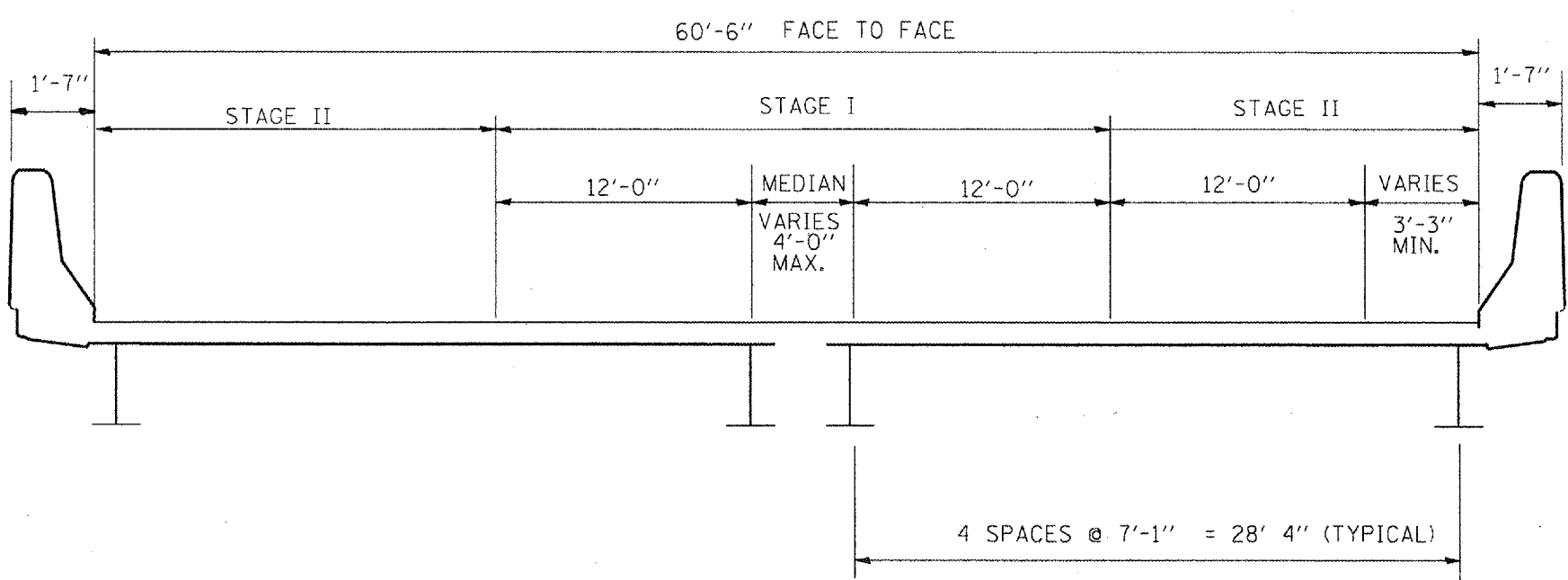
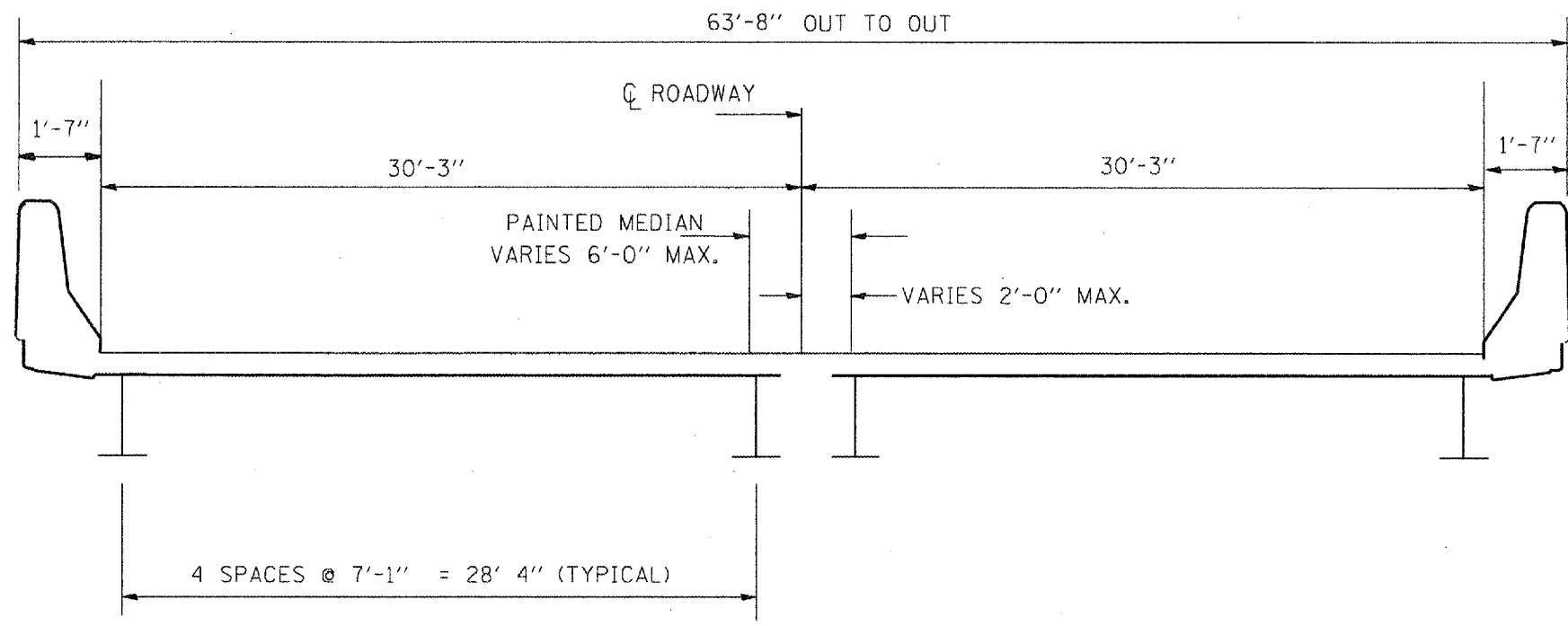


**FOR
INFORMATION
ONLY**

**ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2
PLAN & ELEVATION
US 30 OVER IL 31 & BNSF RR
SN 045-0039
SPAN 1 & 2**

CONTRACT NO.				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
860 349	2006-007 I	KANE/KENDALL	38	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 2 OF 27



CROSS SECTION
LOOKING EAST

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC STAGING
LOCATION 2
IL 31 OVER BNSF RR
SN 045-0039

SCALE: VERT. DATE
HORIZ. DATE

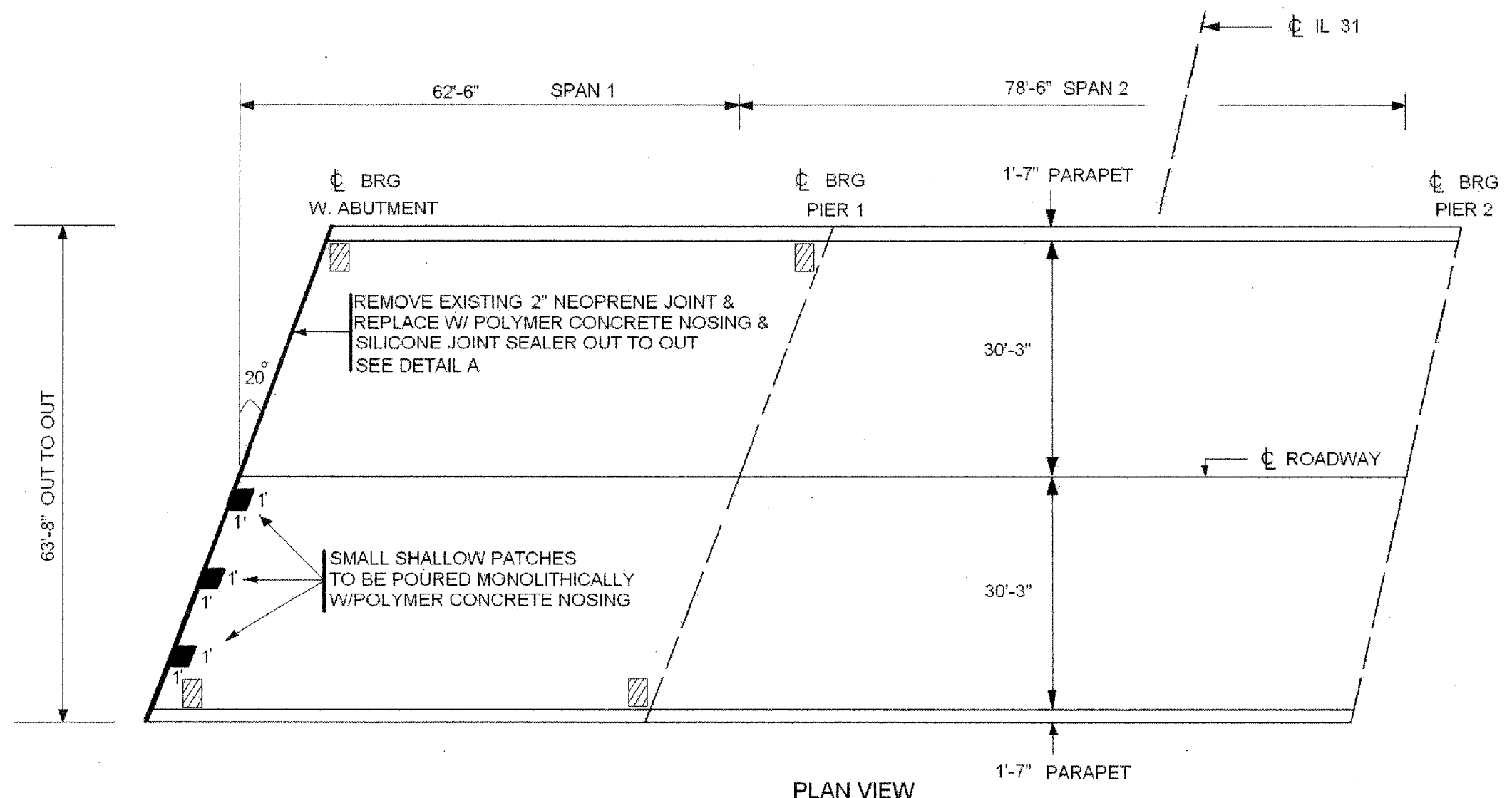
DRAWN BY
CHECKED BY

PLOT DATE: 9/11/2007
FILE NAME: c:\pwork\1104\11042786.dwg
PLOT SCALE: 1/8"=1'-0"
USER NAME: m1042786

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	11

CONTRACT NO. 60B26

SHEET 3 OF 27



PLAN VIEW

SCUPPERS TO BE CLEANED = 4.0 EACH

TOTAL BILL OF MATERIALS		
ITEM	UNIT	QTY
POLYMER CONCRETE	CU FT	16.2
SILICONE JOINT SEALER, 2"	FOOT	196.0
SILICONE JOINT SEALER, 2 1/2"	FOOT	63.3
CLEANING DRAINAGE SYSTEM	L SUM	1
STRUCTURAL REPAIR TO CONCRETE ≤ 5"	SQ FT	1671.8
STRUCTURAL REPAIR TO CONCRETE > 5"	SQ FT	66.2
TEMPORARY SHORING & CRIBBING	EACH	12

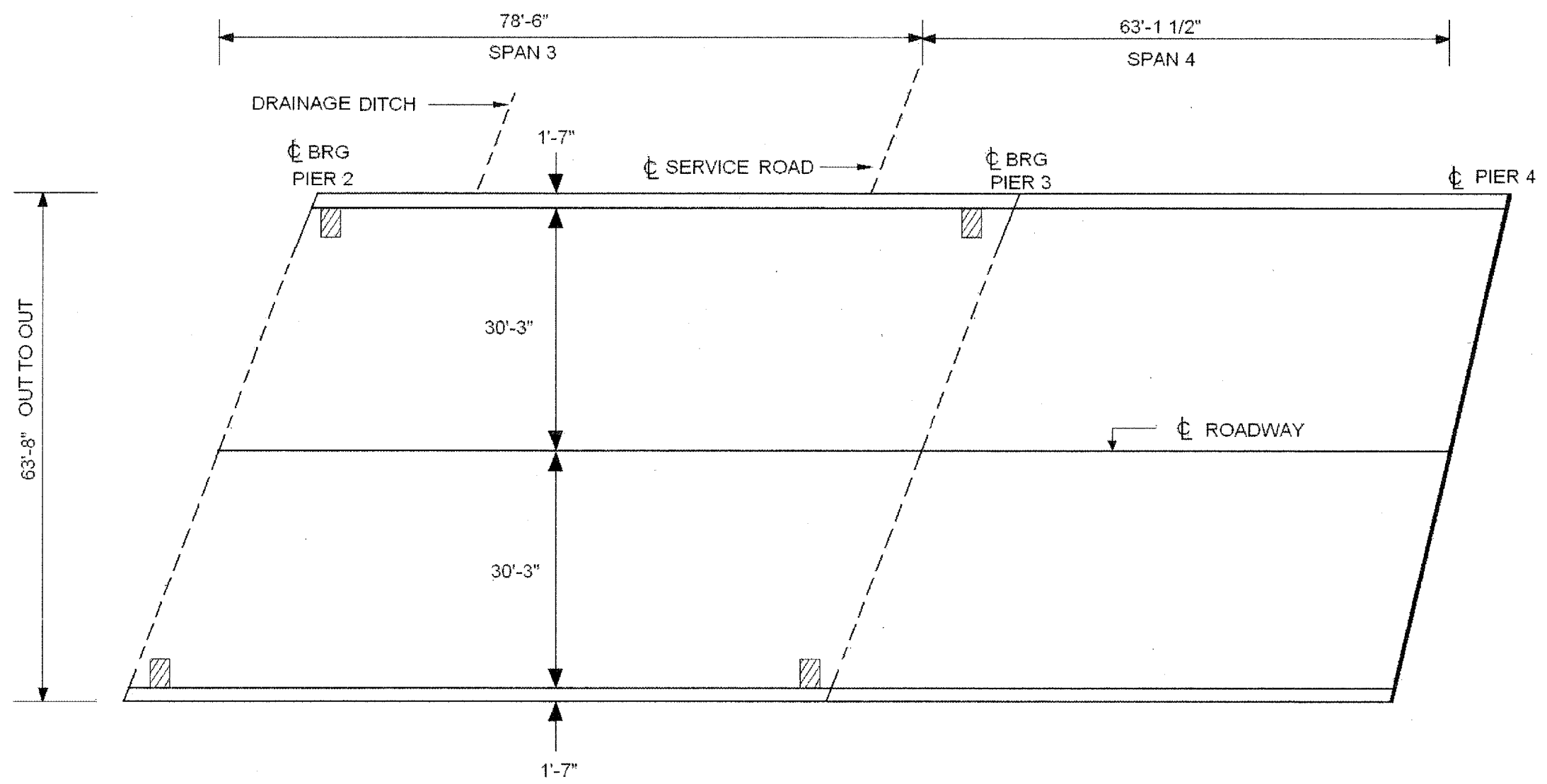
FOR DETAIL A SEE SHEET 7 OF 27


ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2
DECK PLAN
US 30 OVER IL 31 & BNSF RR
SN 045-0039
SPAN 1 & 2

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	12

CONTRACT NO. 60B26

SHEET 4 of 27



 SCUPPERS TO BE CLEANED = 4.0 EACH
 SEE SHEET 27 OF 27

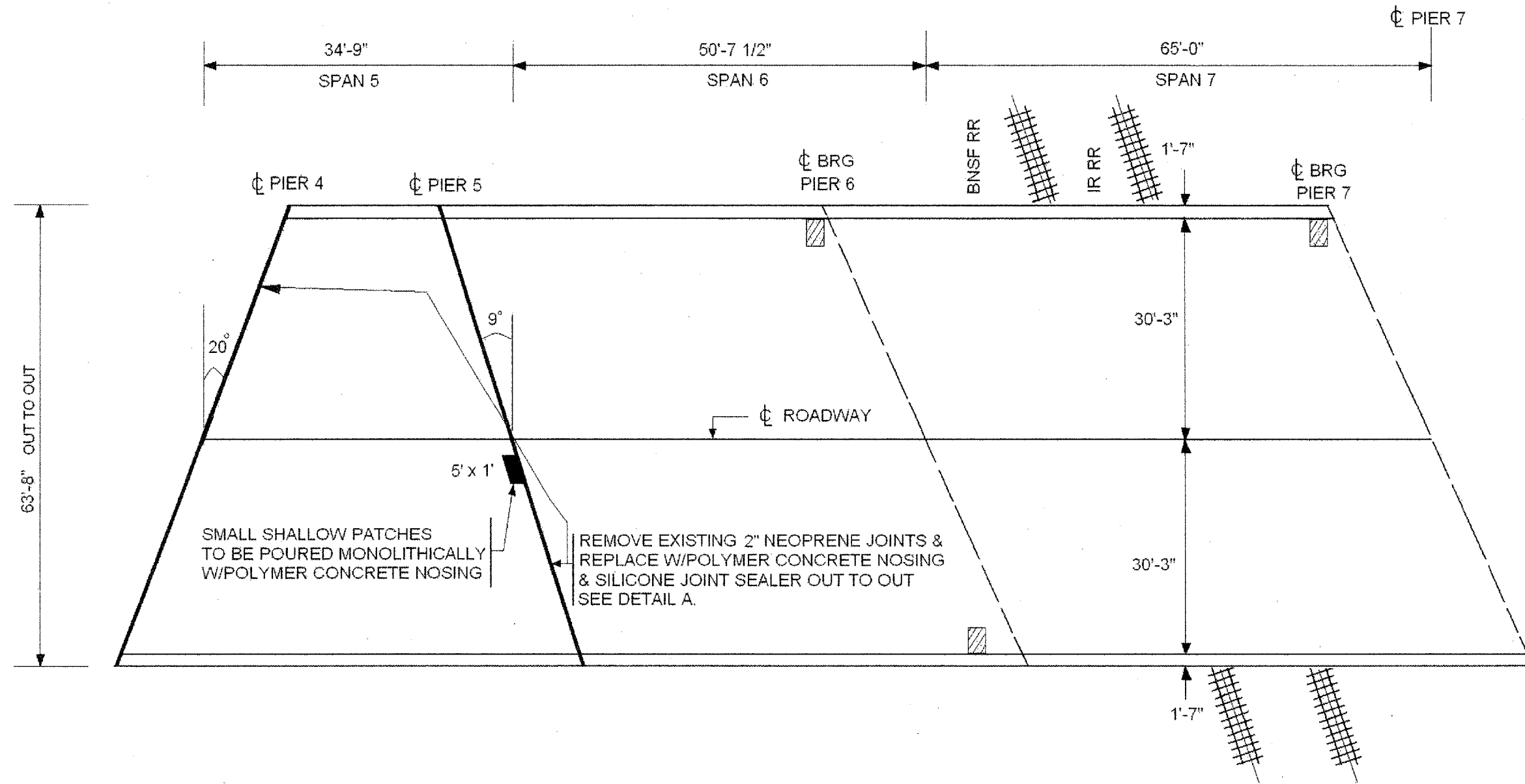
PLAN VIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2
 DECK PLAN
 US 30 OVER IL 31 & BNSF RR
 SN 045-0039
 SPAN 3 & 4

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	13

CONTRACT NO. 60B26

SHEET 5 OF 27



PLAN VIEW

FOR DETAIL A SEE SHEET 7 OF 27

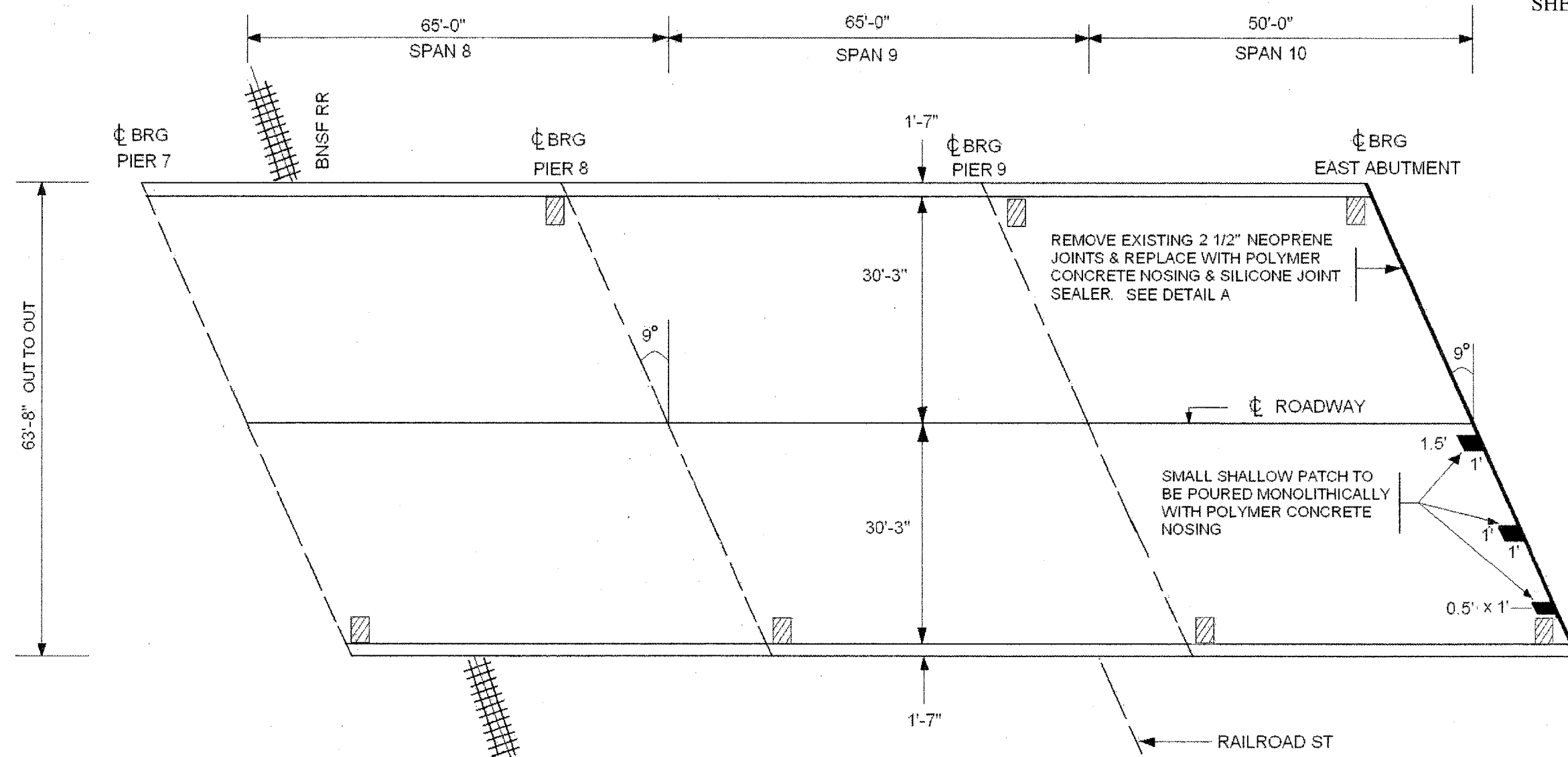
SCUPPERS TO BE CLEANED = 3.0 EACH
SEE SHEET 27 OF 27

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2
DECK PLAN
US 30 OVER IL 31 & BNSF RR
SN 045-0039
SPAN 5 - 7

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	14

CONTRACT NO. 60B26

SHEET 6 of 27



PLAN VIEW

— SCUPPERS TO BE CLEANED = 7.0 EACH

SEE SHEET 27 OF 27

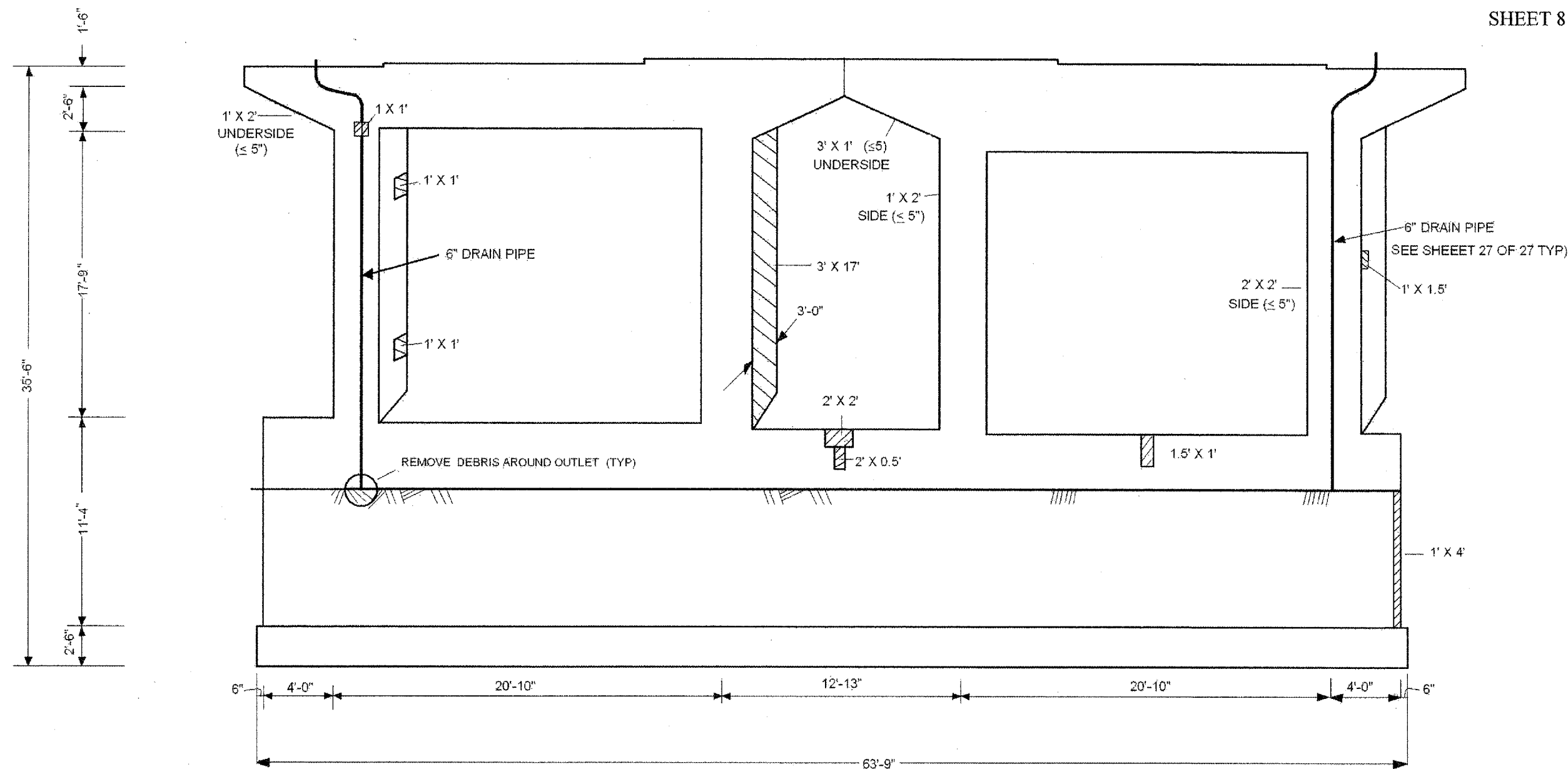
FOR DETAIL A SEE SHEET 7 OF 27

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2
 DECK PLAN
 US 30 OVER IL 31 & BNSF RR
 SN: 045-0039
 SPAN 8 - 10

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	16

CONTRACT NO. 60B26

SHEET 8 OF 27



1 OF 2

PIER 1 WEST FACE
(LOOKING EAST)

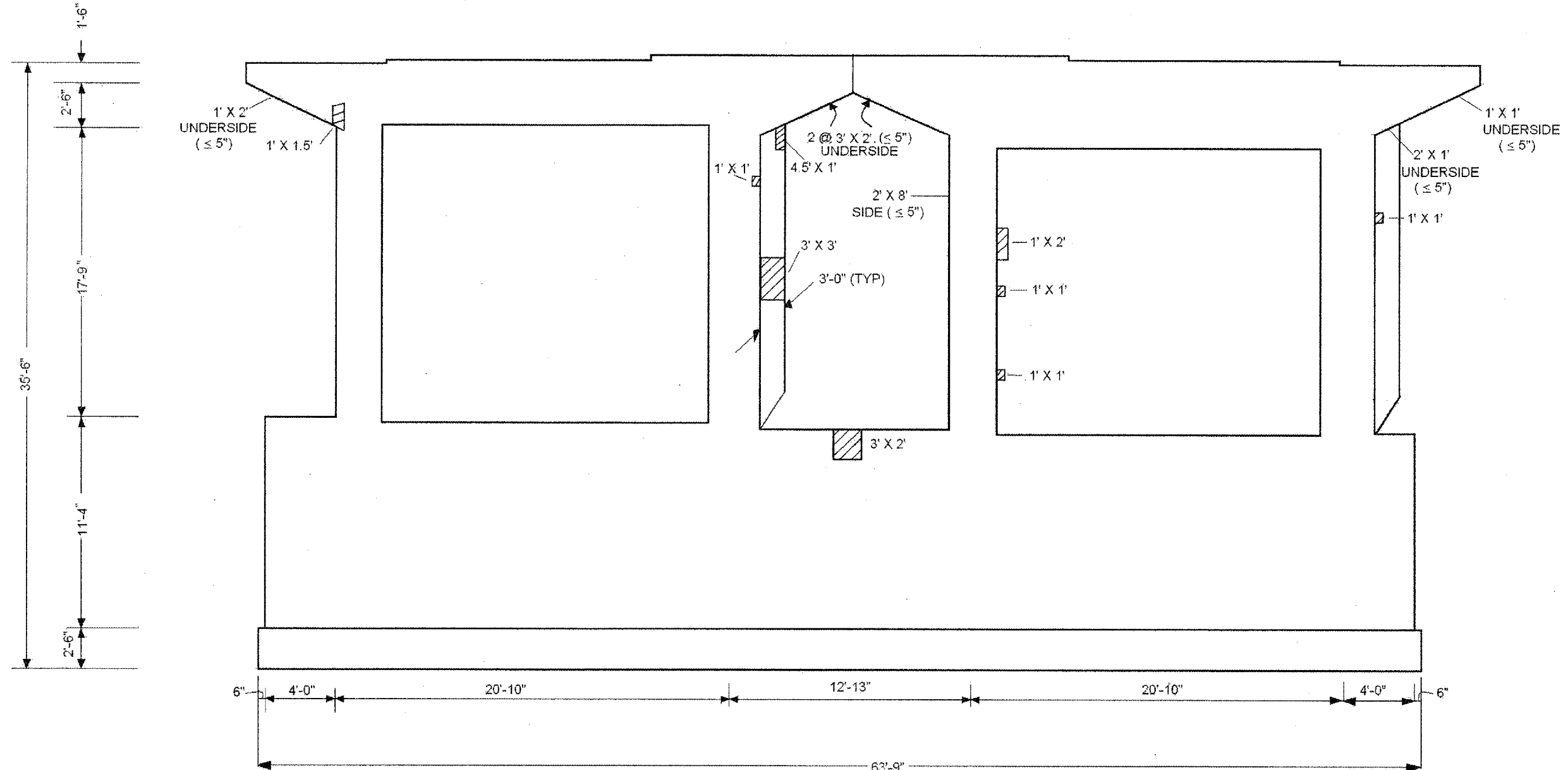
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 1 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	17

CONTRACT NO. 60B26

SHEET 9 OF 27



2 OF 2

— STRUCTURAL REPAIR OF CONCRETE (≤5")
 WEST FACE = 77.0 SQ. FT.
 EAST FACE = 60.0 SQ. FT.
 TOTAL 137.0 SQ. FT.

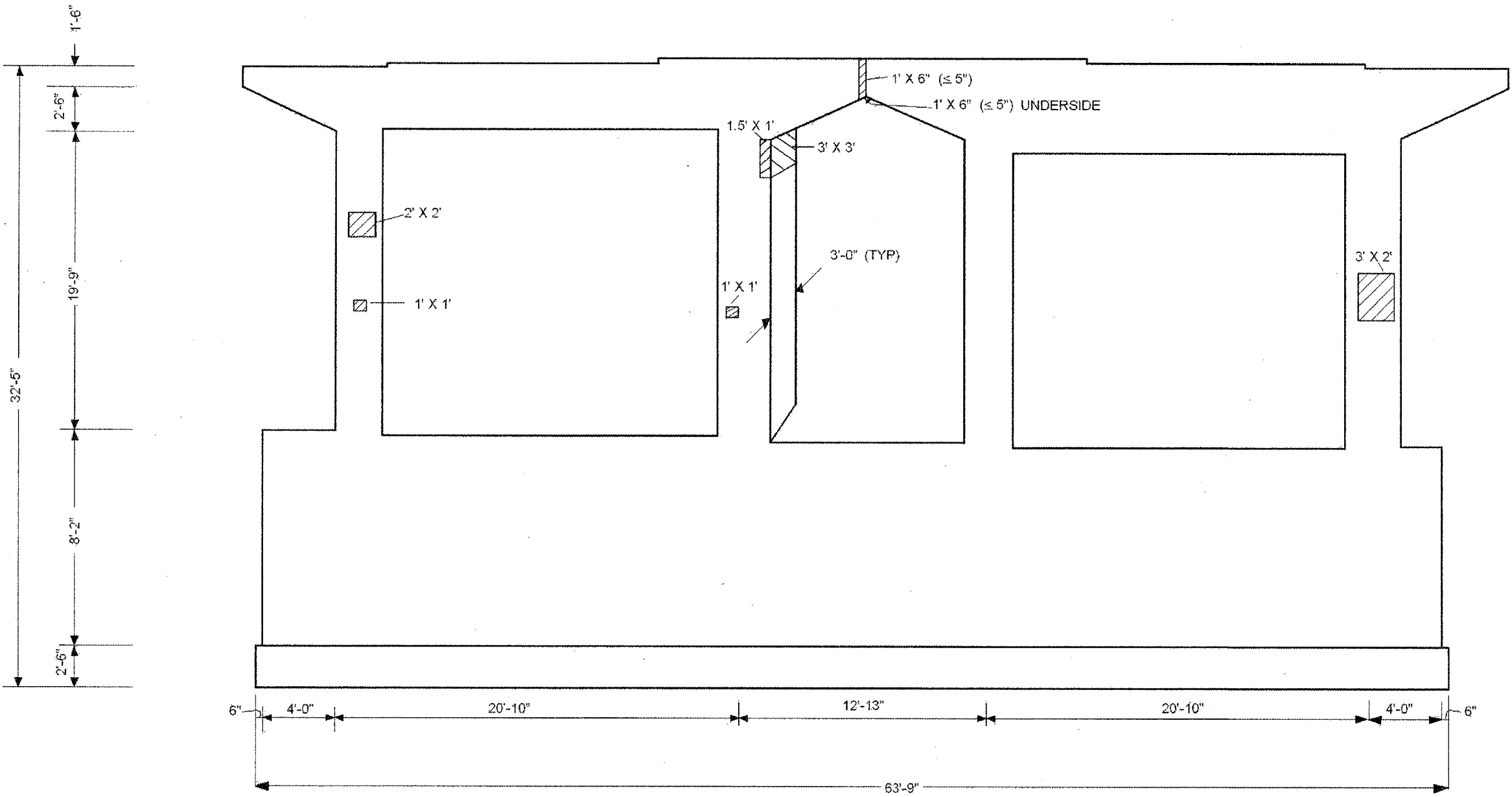
PIER 1 EAST FACE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2
 PIER 1 EAST FACE
 US 30 OVER IL 31 & BNSF RR
 SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	18

CONTRACT NO. 60B26

SHEET 10 OF 27



1 OF 2

PIER 2 WEST FACE

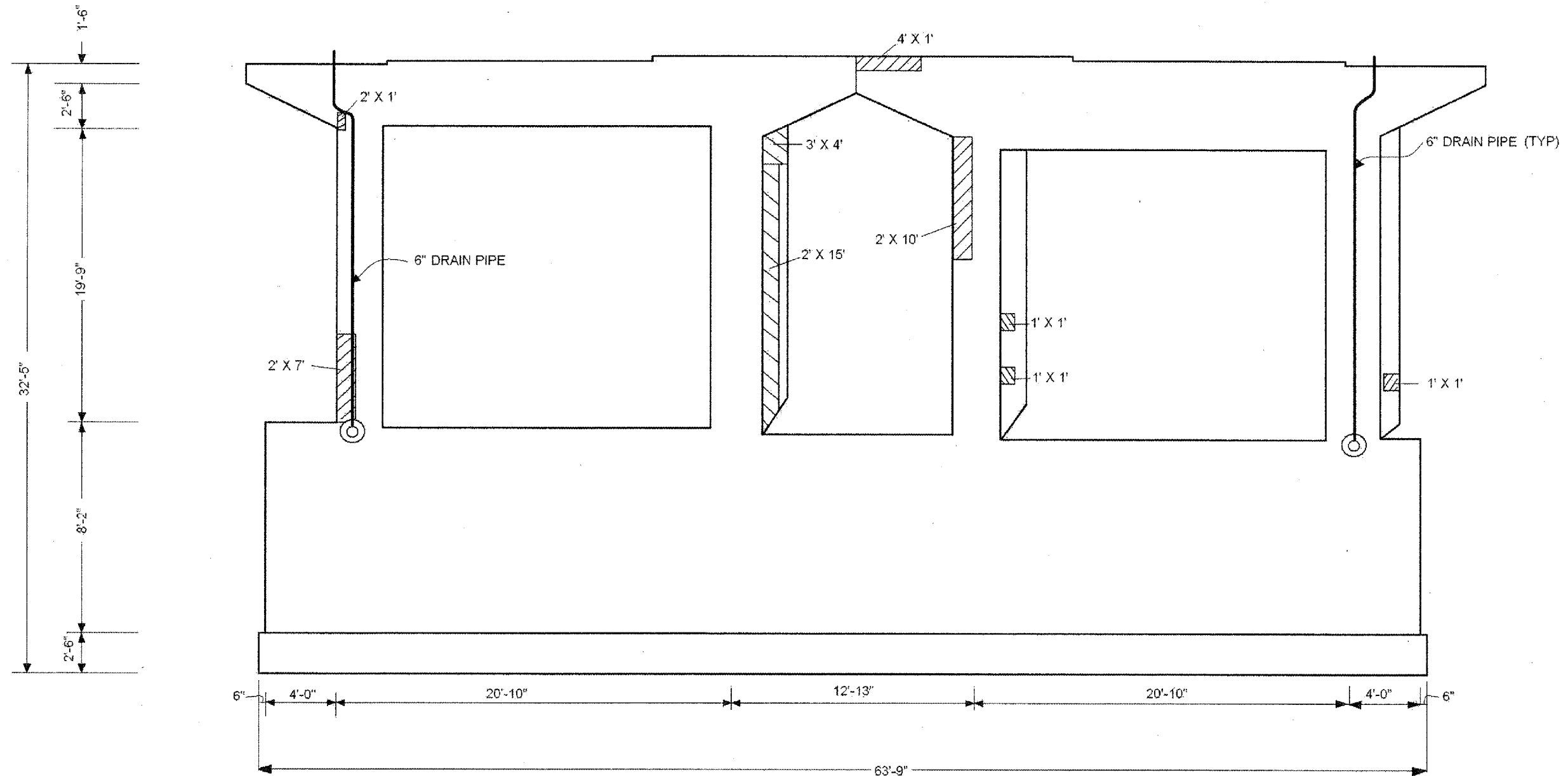
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 2 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	19


CONTRACT NO. 60B26

SHEET 11 OF 27



2 OF 2

 — STRUCTURAL REPAIR OF CONCRETE ($\leq 5"$)
 WEST FACE: 34.5 SQ. FT.
 EAST FACE: 85.0 SQ. FT.
 TOTAL: 119.5 SQ. FT.

 REPAIR 2' OF PIPE. INSTALL 90° ELBOW @ EACH LOCATION = 2 EACH @ 4'
 (INCLUDED IN COST OF CLEANING DRAINAGE SYSTEM)
 SEE SHEET 27 OF 27

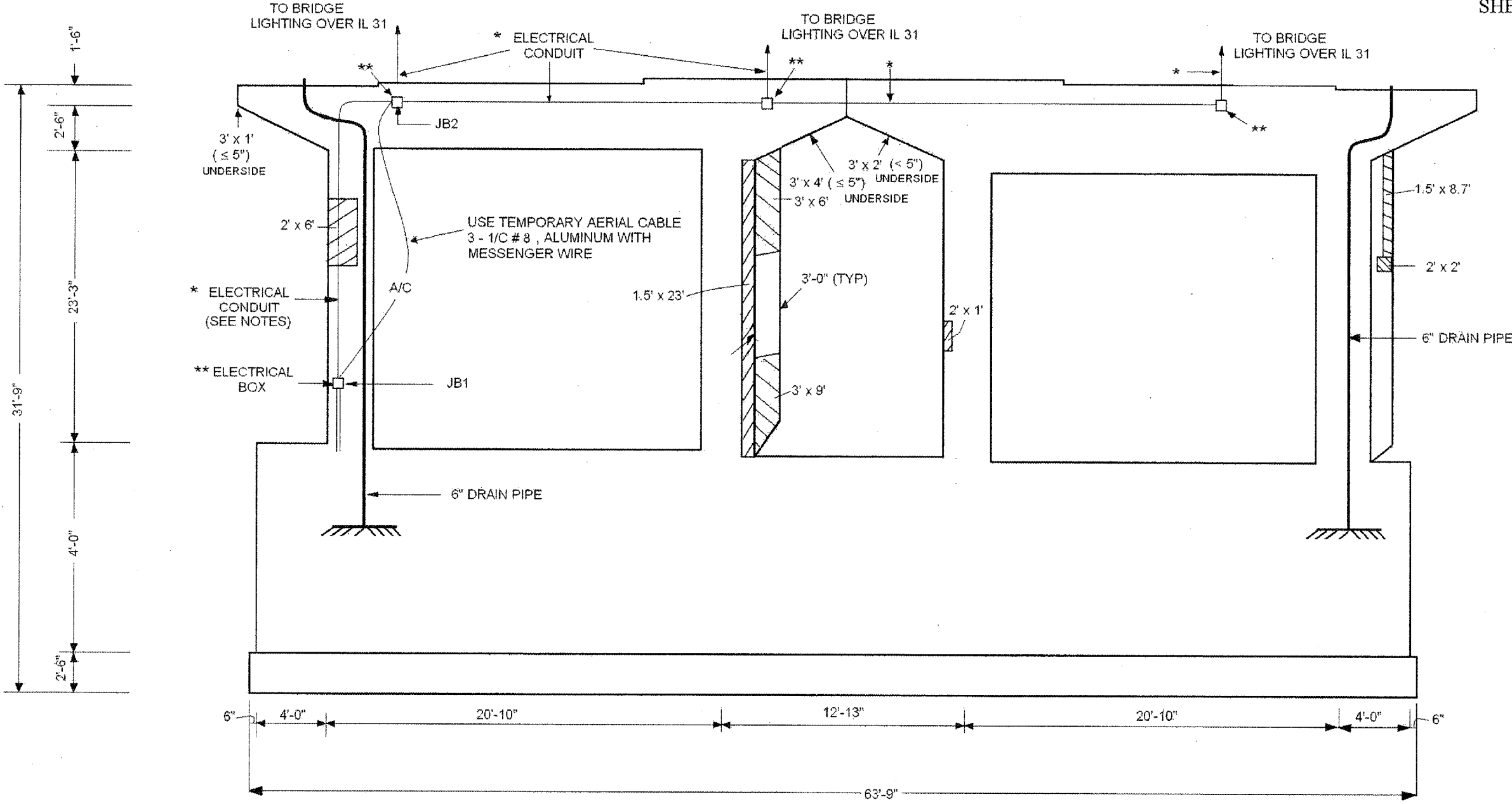
PIER 2 EAST FACE
(LOOKING WEST)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 2 EAST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	20

CONTRACT NO. 60B26
SHEET 12 OF 27



PIER 3 WEST FACE
(LOOKING EAST)

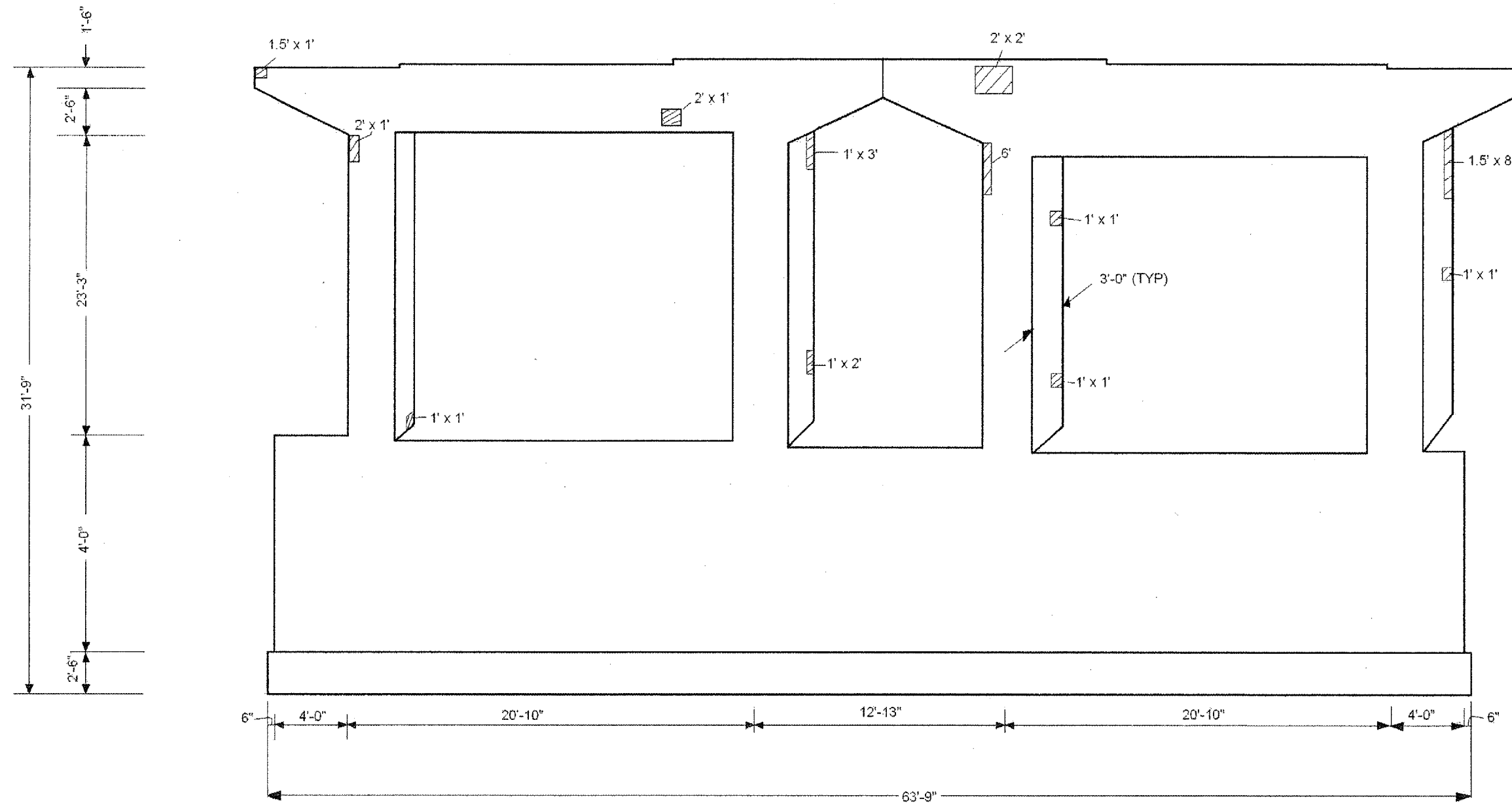
- NOTE
1. REMOVE EXISTING CONDUIT & CABLE BETWEEN JB1 & JB2.
 2. INSTALL TEMPORARY AERIAL CABLE BETWEEN JB1 & JB2.
 3. INSTALL PROPOSED 1" GALVANIZED STEEL PVC COATED CONDUIT ATTACHED TO STRUCTURE & PROPOSED ELECTRICAL CABLE 3-1C, 1/C #10 GROUND.

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2
PIER 3 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	21


CONTRACT NO. 60B26

SHEET 13 OF 27



2 OF 2

PIER 3 EAST FACE
(LOOKING WEST)

	STRUCTURAL REPAIR OF CONCRETE ($\leq 5"$)
	WEST FACE: 131.6 SQ. FT.
	EAST FACE: 36.5 SQ. FT.
	TOTAL: 168.1 SQ. FT.

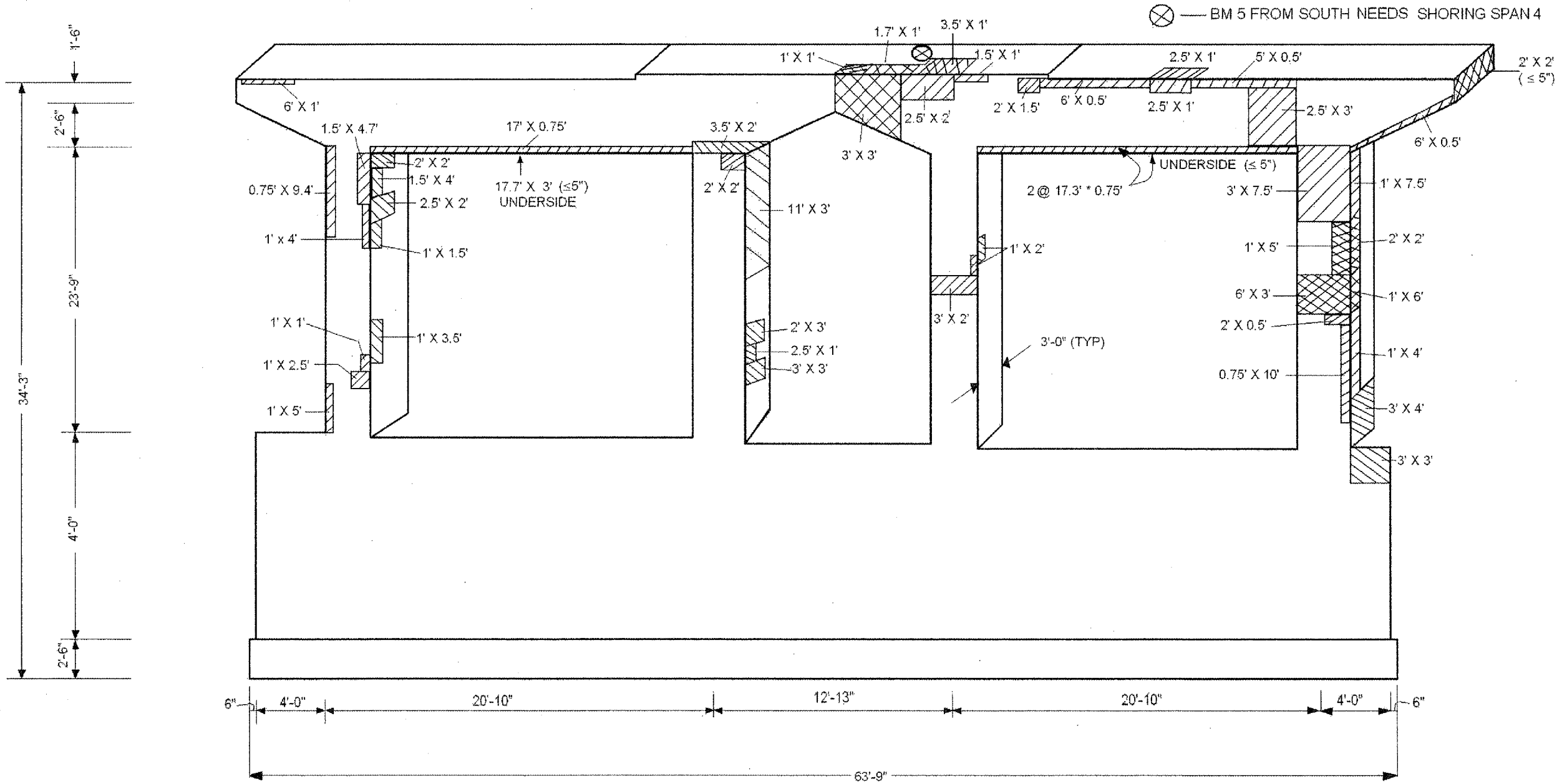
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 3 EAST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	22

CONTRACT NO. 60B26

SHEET 14 OF 27



1 OF 2

PIER 4 WEST FACE
(LOOKING EAST)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

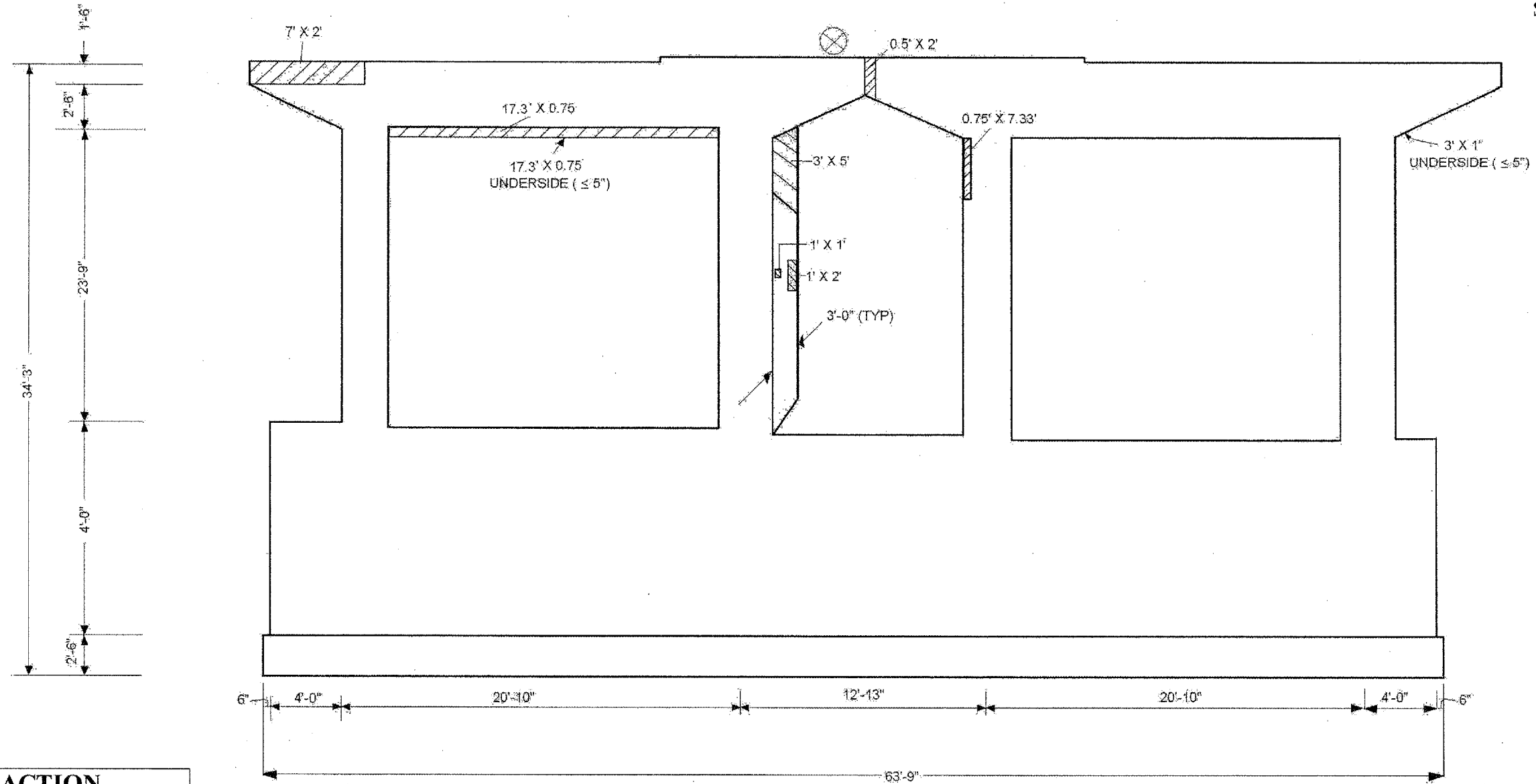
PIER 4 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	23

BEAM 5 FROM SOUTH NEEDS SHORING SPAN 5

CONTRACT NO. 60B26

SHEET 15 OF 27



REACTION		
	SPAN 4	SPAN 5
R DL (K)	26.4	27.5
R LL (K)	37.8	37.6
R IMP (K)	10.0	10.7
R (TOTAL)	74.2	75.8

⊗ — BEAM END SUPPORT REQ. BEAM 5 (WEST FACE)
TEMPORARY SHORING & CRIBBING

WEST FACE: 1
EAST FACE: 1
TOTAL: 2

▨ — STRUCTURAL REPAIR OF CONCRETE ($\leq 5"$)

WEST FACE: 310.1 SQ. FT.
EAST FACE: 67.5 SQ. FT.
TOTAL: 377.6 SQ. FT.

▩ — STRUCTURAL REPAIR OF CONCRETE ($> 5"$)
WEST FACE: 56.2 SQ. FT.

PIER 4 EAST FACE
(LOOKING WEST)

2 OF 2

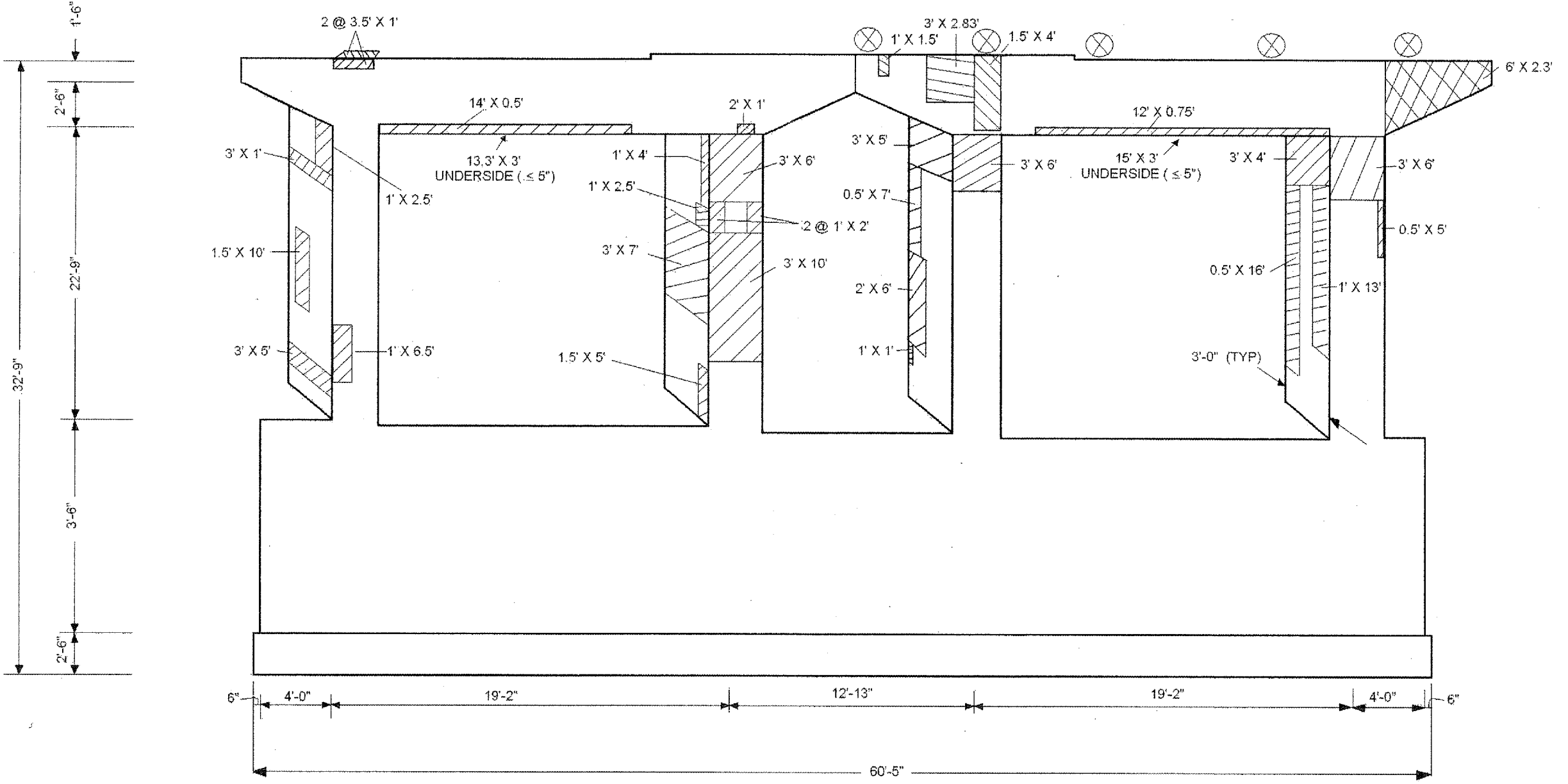
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 4 EAST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	24

CONTRACT NO. 60B26
SHEET 16 OF 27

⊗ BMS 1-5 FROM SOUTH NEED SHORING SPAN 5



1 OF 2

PIER 5 WEST FACE
(LOOKING EAST)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

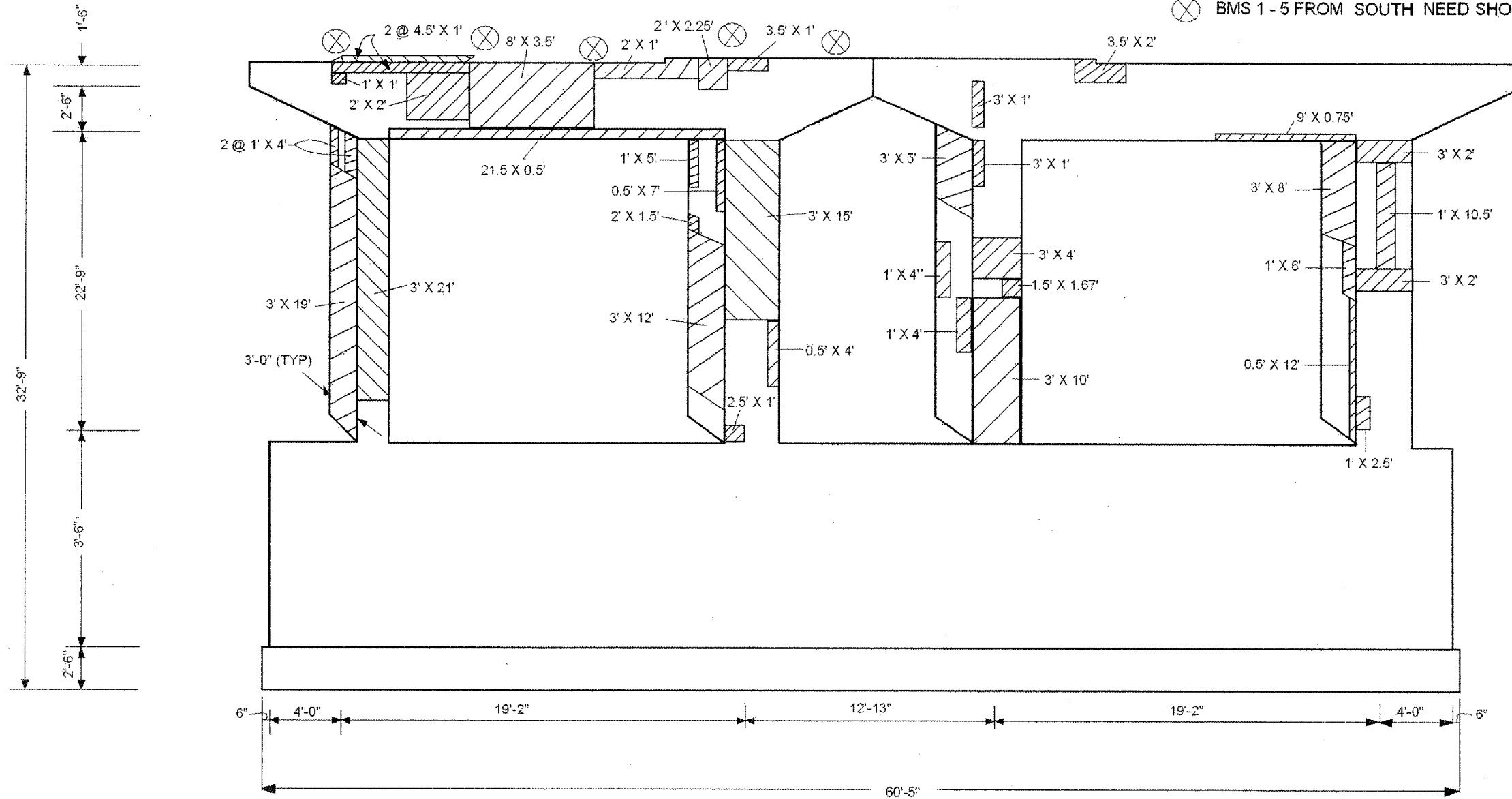
PIER 5 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	25

CONTRACT NO. 60B26

SHEET 17 OF 27

⊗ BMS 1 - 5 FROM SOUTH NEED SHORING SPAN 6



REACTION		
	SPAN 5	SPAN 6
R DL (K)	27.5	20.2
R LL (K)	37.6	35.9
R IMP (K)	10.7	10.2
R (TOTAL)	75.1	66.3

⊗ BEAM END SUPPORT REQ. BEAM (EAST & WEST FACE)
 TEMPORARY SHORING & CRIBBING -
 WEST FACE: EACH - 5
 EAST FACE: EACH - 5
 TOTAL EACH - 10

▨ STRUCTURAL REPAIR OF CONCRETE (≤ 5")
 WEST FACE: 358.0 SQ. FT.
 EAST FACE: 436.0 SQ. FT.
 TOTAL 794.0 SQ. FT.

▩ STRUCTURAL REPAIR OF CONCRETE (> 5")
 WEST FACE 14.0 SQ. FT.

PIER 5 EAST FACE
 (LOOKING WEST)

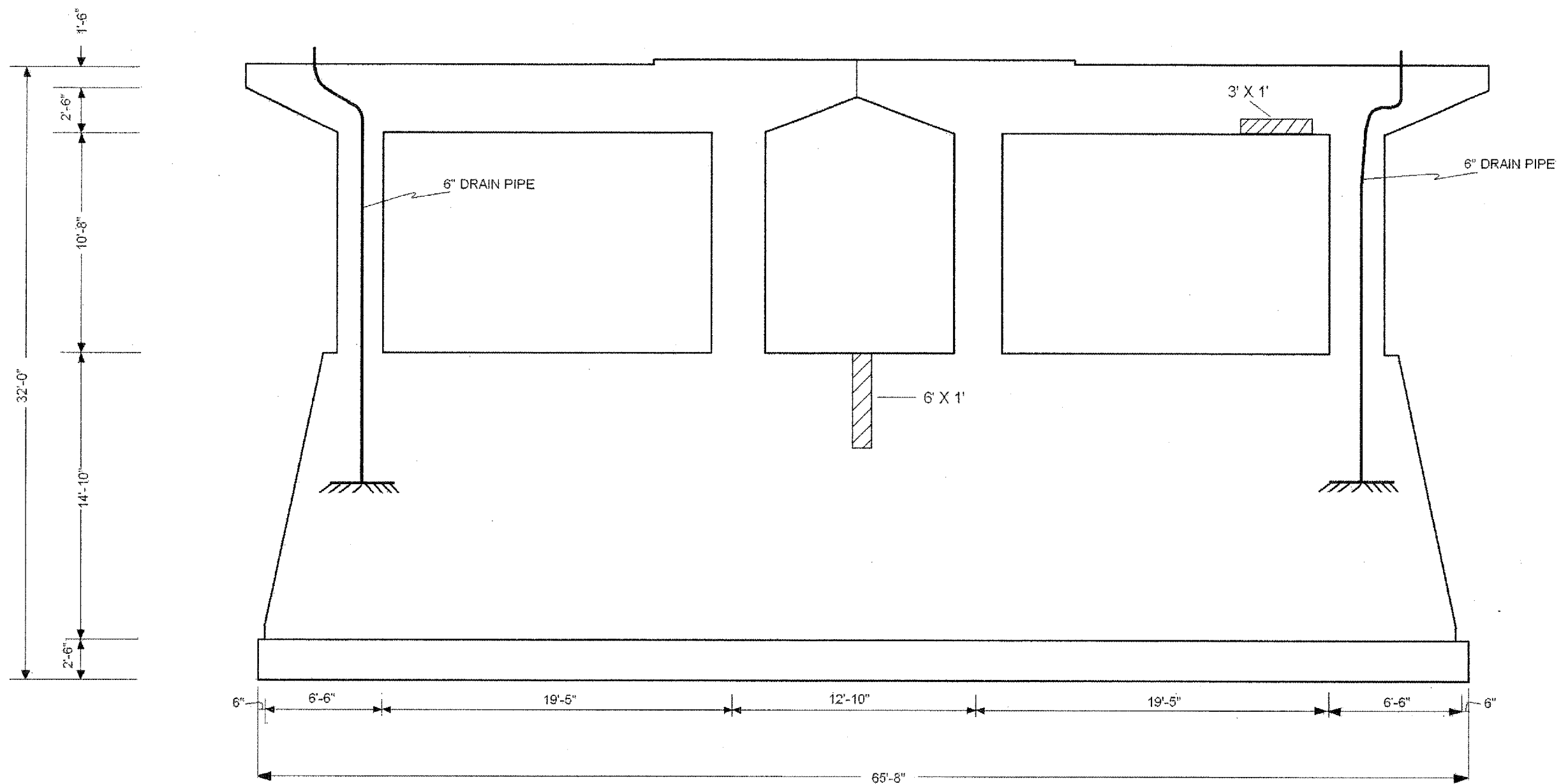
2 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2
 PIER 5 EAST FACE
 US 30 OVER IL 31 & BNSF RR
 SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	26

CONTRACT NO. 60B26

SHEET 18 OF 27



PIER 6 WEST FACE
(LOOKING EAST)

-  - SCR ≥ 5" = 0
-  - STRUCTURAL REPAIR OF CONCRETE (< 5")
WEST FACE = 9 SQ. FT.

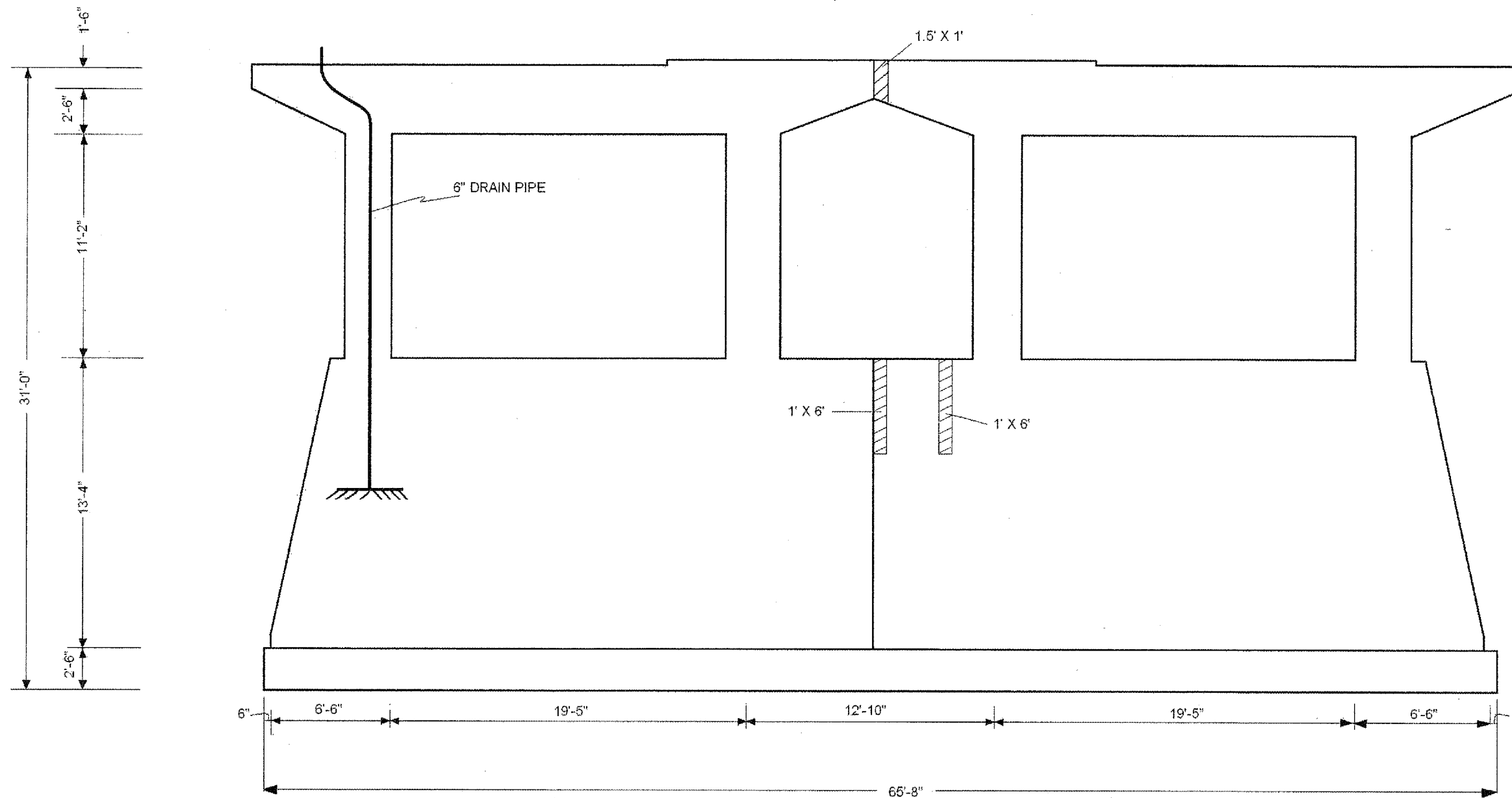
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 6 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	27

CONTRACT NO. 60B26

SHEET 19 OF 27



1 OF 2

PIER 7 WEST FACE
(LOOKING EAST)

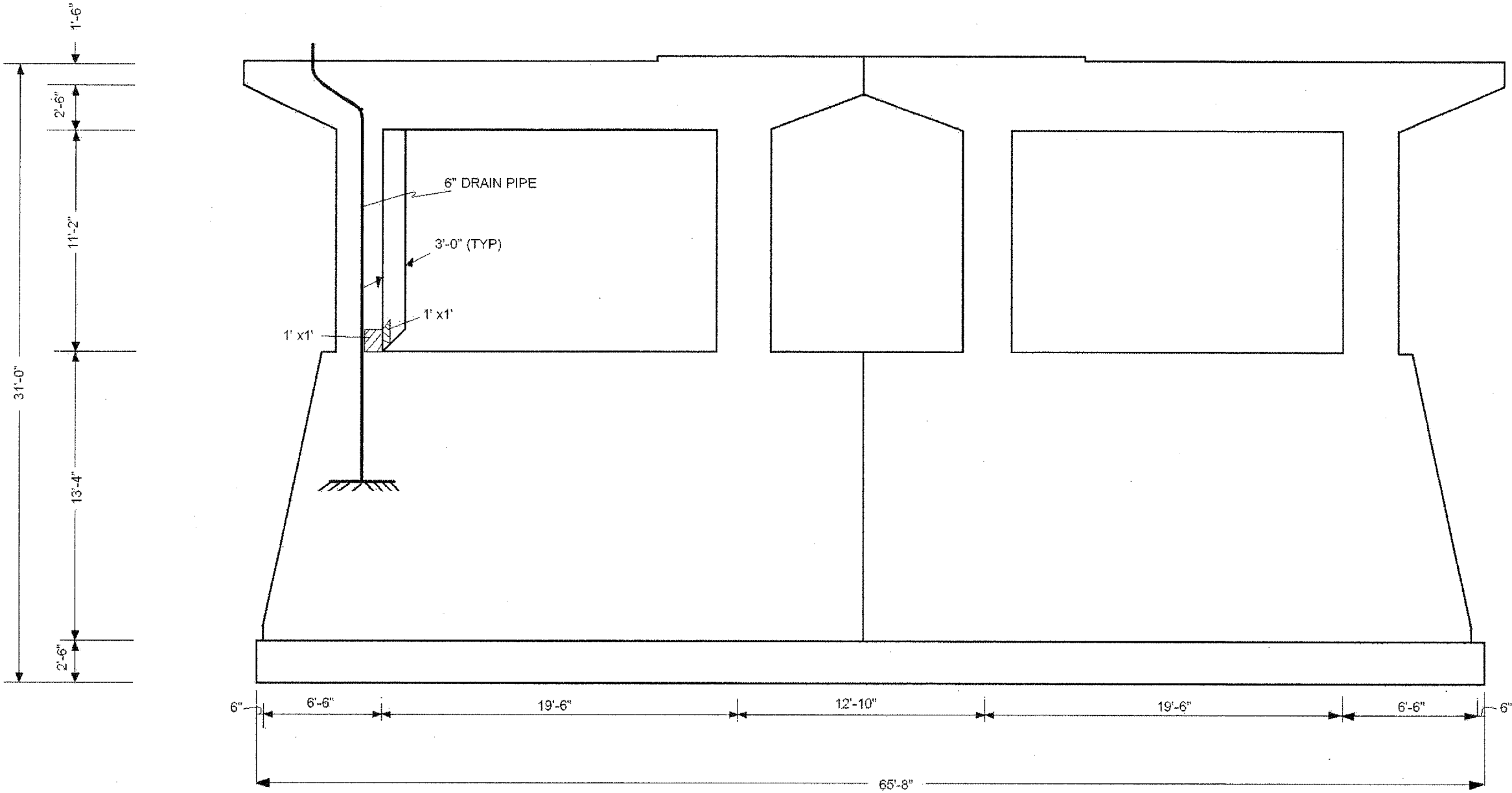
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 7 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	28


CONTRACT NO. 60B26

SHEET 20 OF 27



2 OF 2

PIER 7 EAST FACE
(LOOKIN WEST)

 STRUCTURAL REPAIR OF CONCRETE ($\leq 5"$)
 WEST FACE: 13.5 SQ. FT.
 EAST FACE: 2.0 SQ. FT.
 TOTAL: 15.5 SQ. FT.

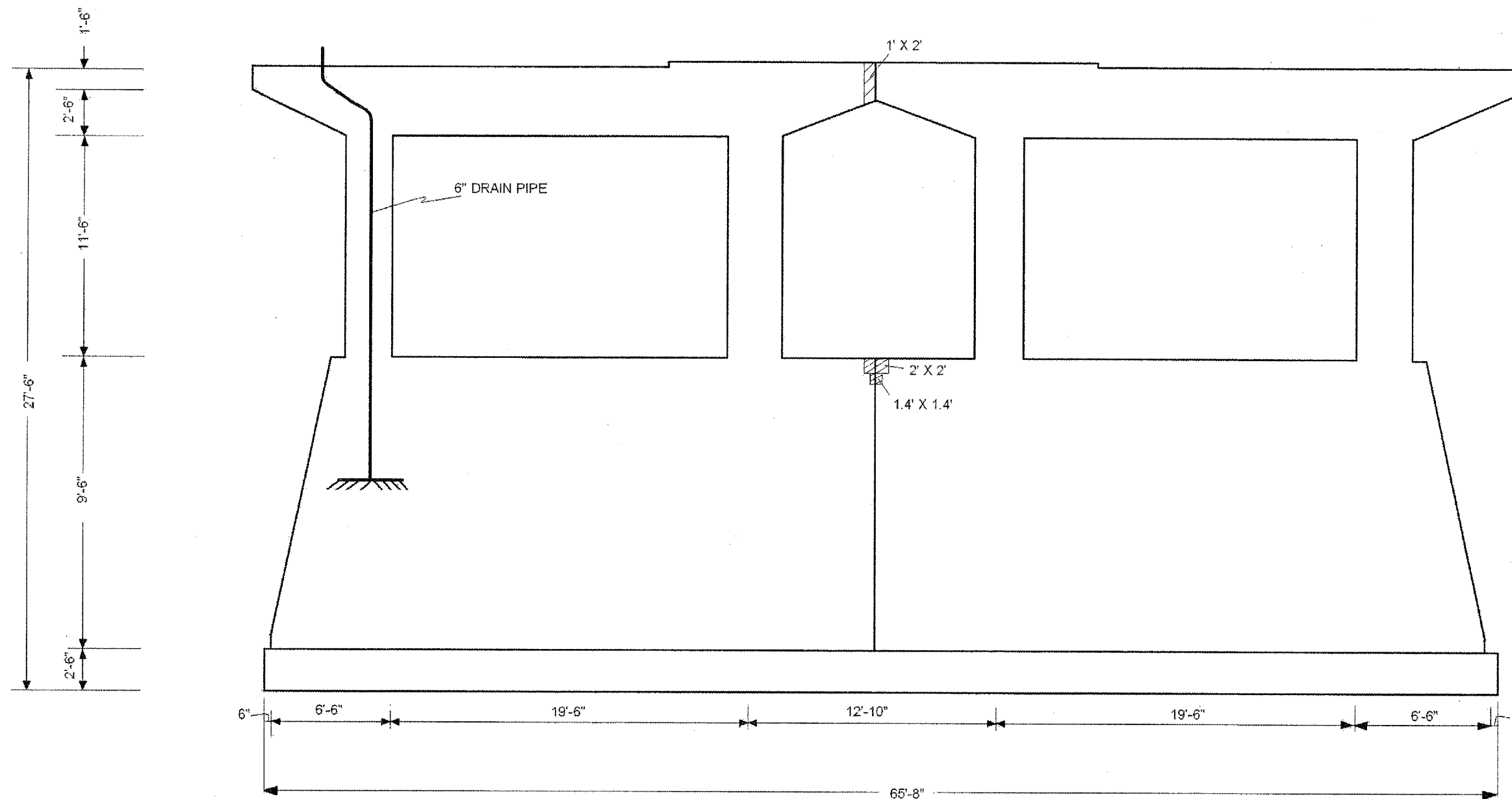
ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2

 PIER 7 EAST FACE
 US 30 OVER IL 31 & BNSF RR
 SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	29

CONTRACT NO. 60B26

SHEET 21 OF 27



1 OF 2

PIER 8 WEST FACE
(LOOKING EAST)

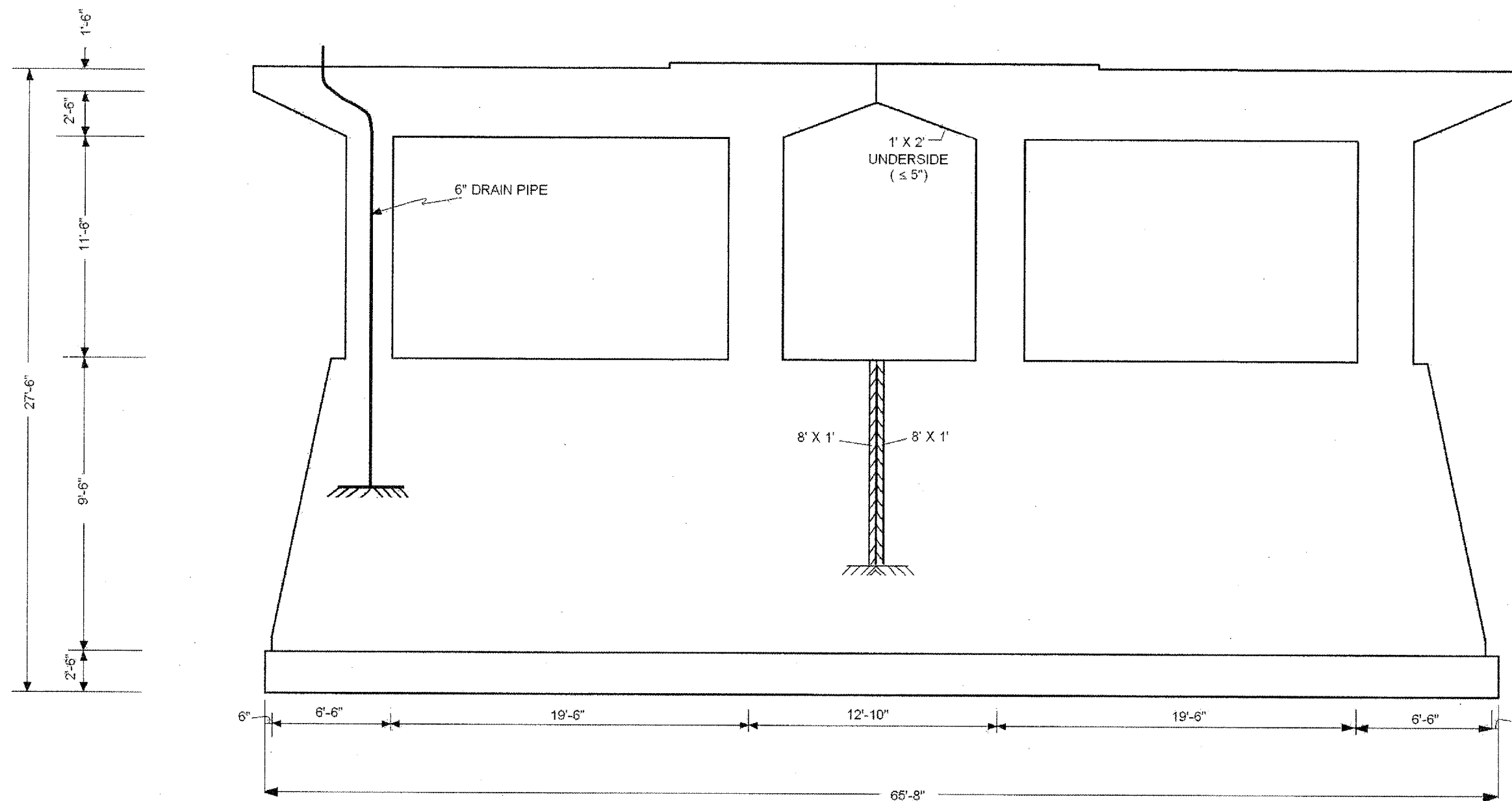
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 8 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

8ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	30

CONTRACT NO. 60B26

SHEET 22 OF 27




STRUCTURAL REPAIR OF CONCRETE (≤ 5")
 WEST FACE: 8.0 SQ. FT.
 EAST FACE: 18.0 SQ. FT.
 TOTAL: 26.0 SQ. FT.

PIER 8 EAST FACE
 (LOOKING WEST)

2 OF 2

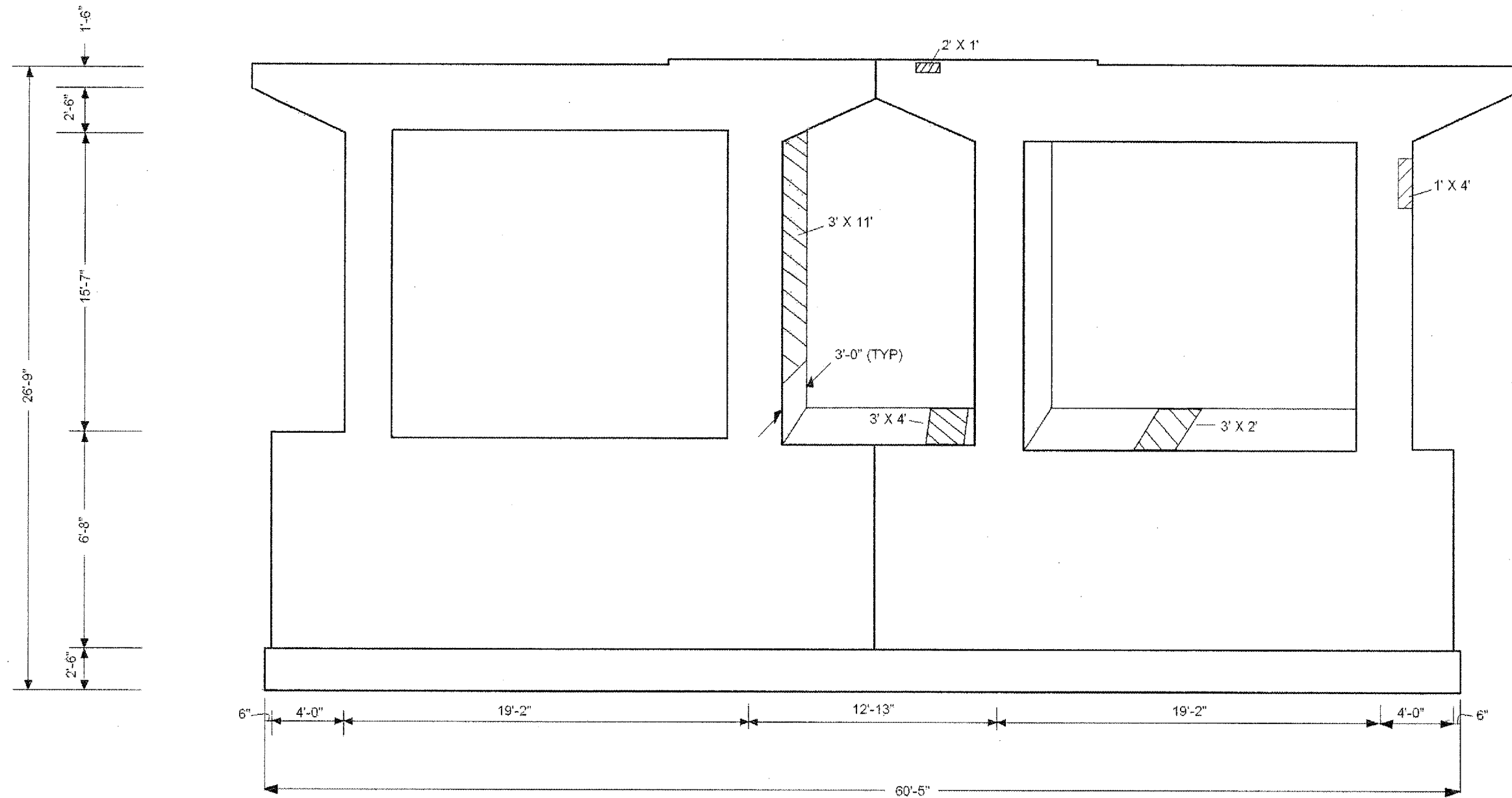
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 8 EAST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	31

CONTRACT NO. 60B26

SHEET 23 OF 27



1 OF 2

PIER 9 WEST FACE
(LOOKING EAST)

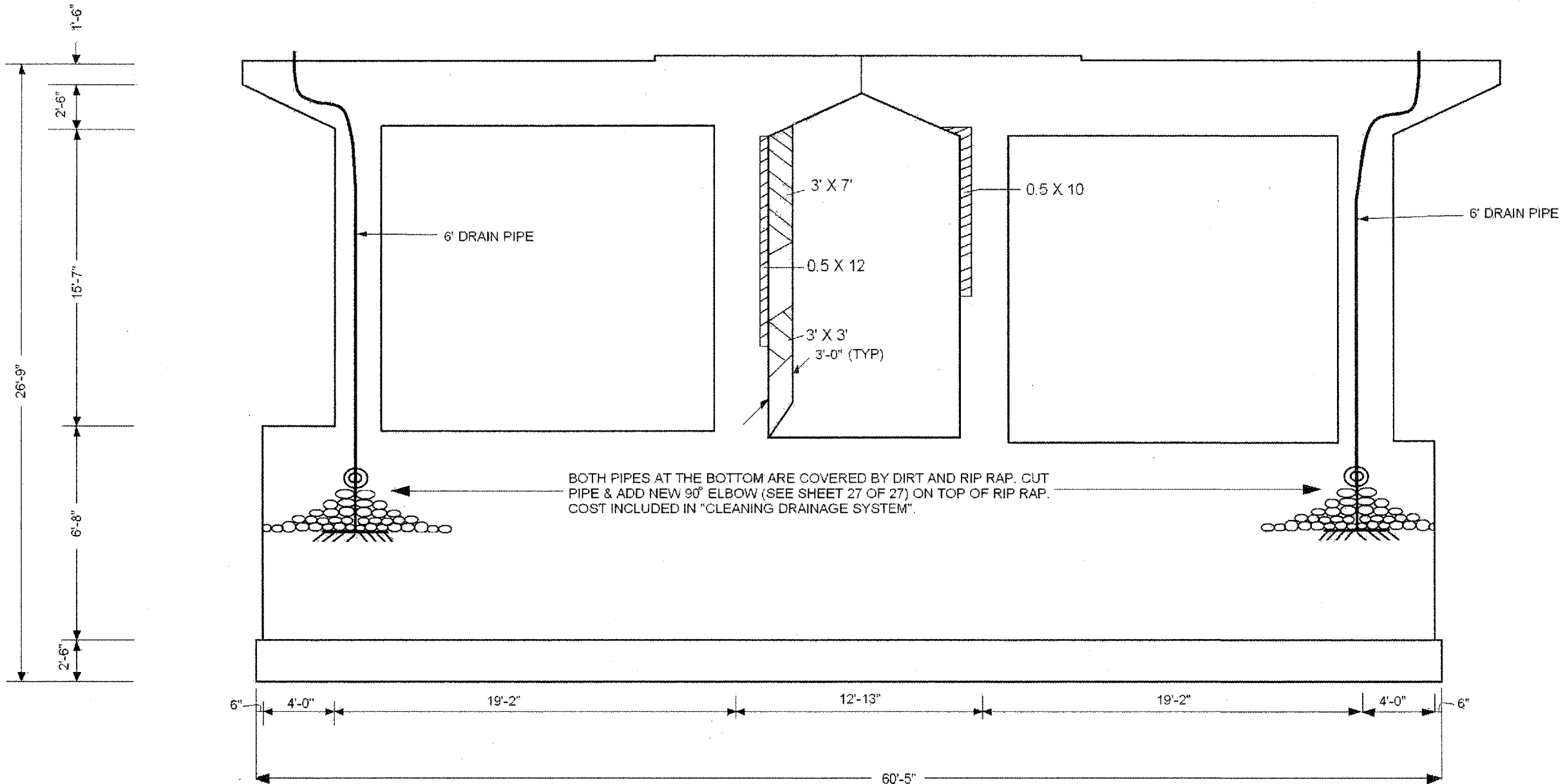
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

PIER 9 WEST FACE
US 30 OVER IL 31 & BNSF RR
SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	32

CONTRACT NO. 60B26


SHEET 24 OF 26



BOTH PIPES AT THE BOTTOM ARE COVERED BY DIRT AND RIP RAP. CUT PIPE & ADD NEW 90° ELBOW (SEE SHEET 27 OF 27) ON TOP OF RIP RAP. COST INCLUDED IN "CLEANING DRAINAGE SYSTEM".

2 OF 2

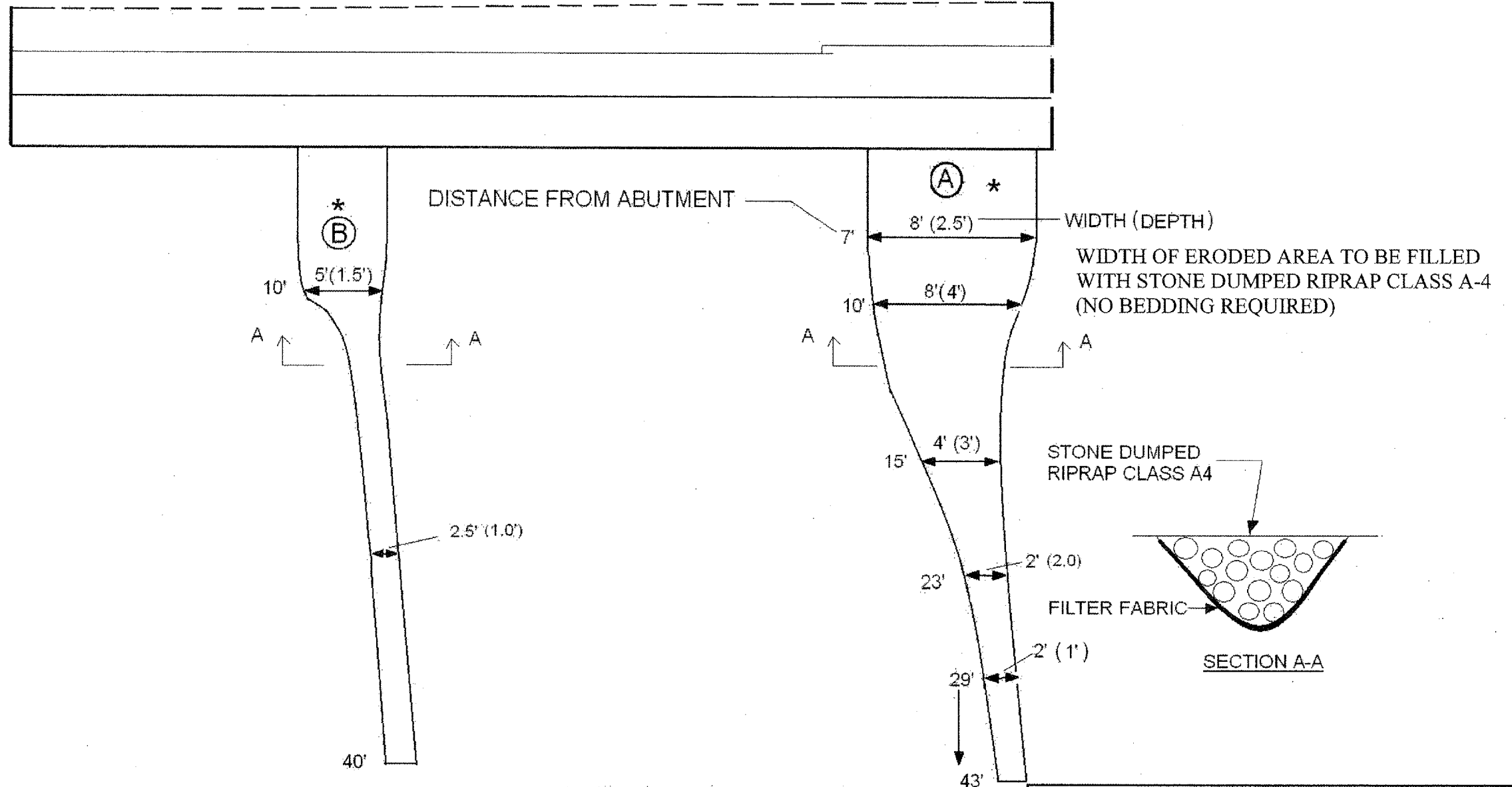
PIER 9 EAST FACE
(LOOKING WEST)

 STRUCTURAL REPAIR OF CONCRETE (≤5")
 WEST FACE: 57.0 SQ. FT.
 EAST FACE: 41.0 SQ. FT.
 TOTAL: 98.0 SQ. FT.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LOCATION 2
 PIER 9 EAST FACE
 US 30 OVER IL 31 & BNSF RR
 SN 045-0039

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	33

CONTRACT NO. 60B26
SHEET 25 OF 27



WEST ABUTMENT SLOPE
(LOOKING WEST)

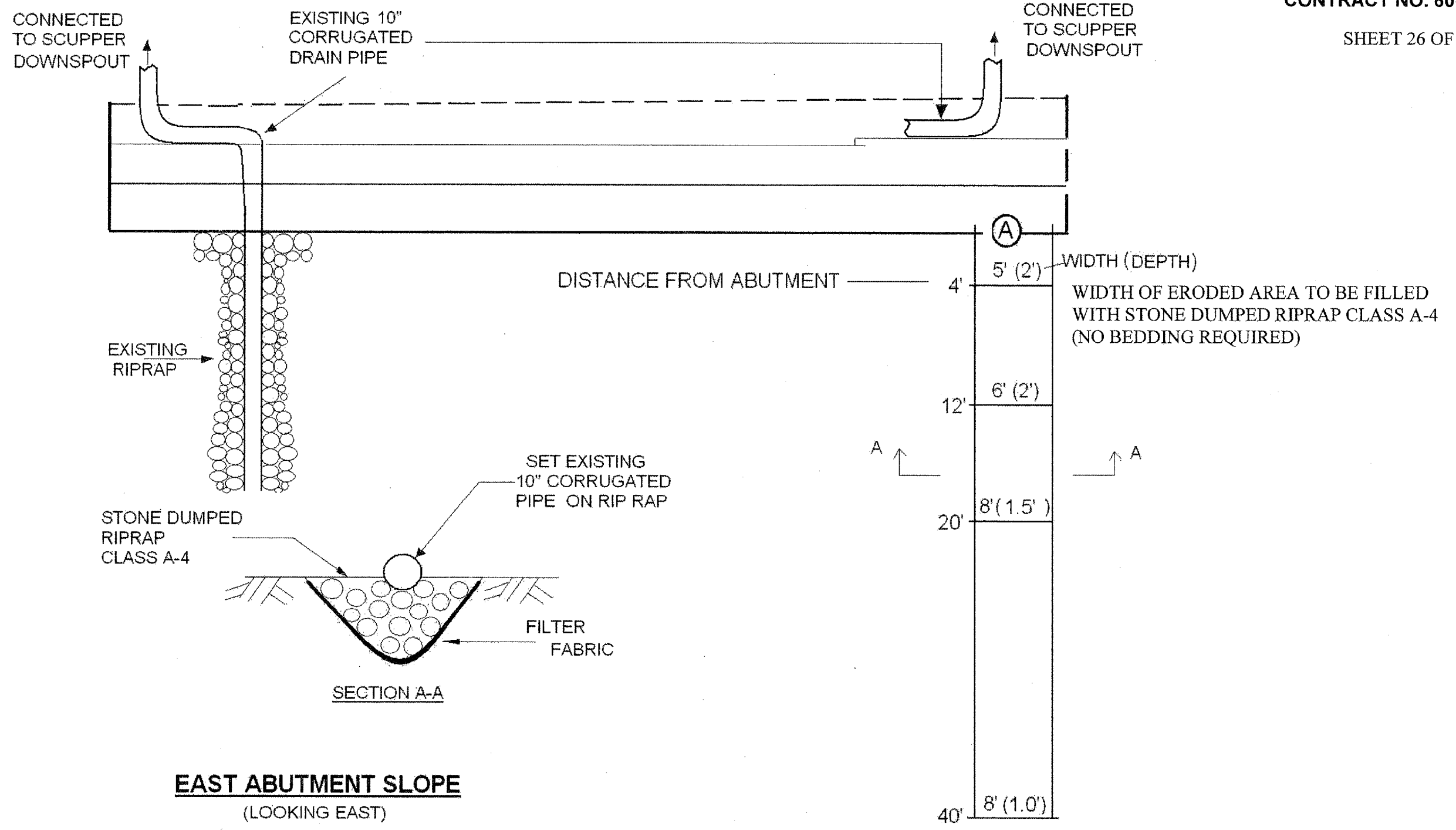
BILL OF MATERIAL
STONE DUMPED RIPRAP 18.8 CU. YD.
FILTER FABRIC 31.2 SQ. YD.

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

US 30 OVER IL 31 & BNSF RR
SN 045-0039
RIPRAP FOR SLOPEWALL
EROSION @ WEST ABUTMENT

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAP 860 AND 349	2006-007 I	KANE & KENDALL	38	34

CONTRACT NO. 60B26
SHEET 26 OF 27



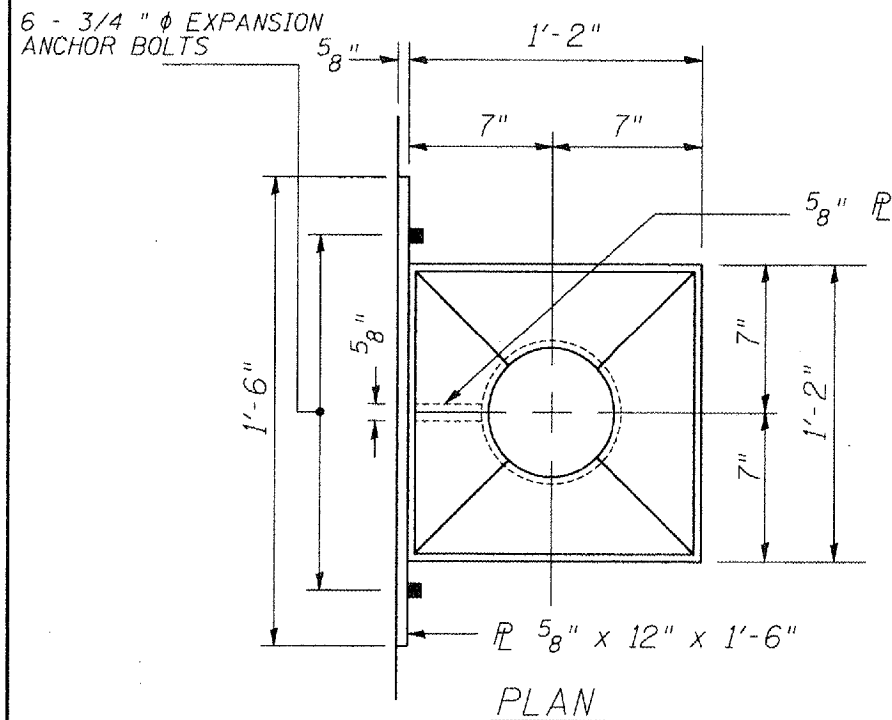
BILL OF MATERIAL

STONE DUMPED RIPRAP	21.6 CU. YD.
FILTER FABRIC	32.4 SQ. YD.

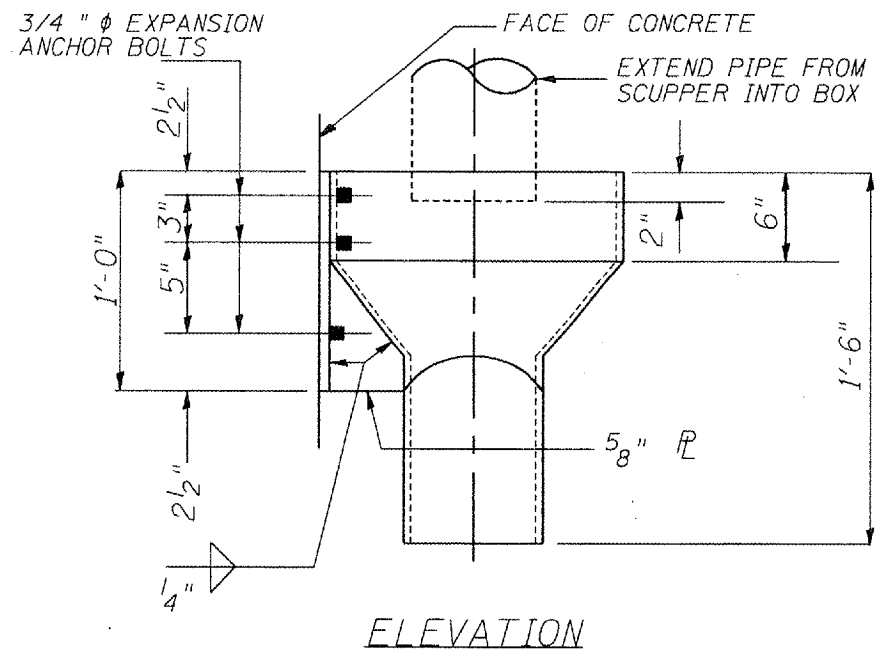
ILLINOIS DEPARTMENT OF TRANSPORTATION
LOCATION 2

US 30 OVER IL 31 & BNSF RR
SN 045-0039
RIPRAP FOR SLOPEWALL
EROSION @ EAST ABUTMENT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
950 349	2006-007 I	KANE/KENDALL	38	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



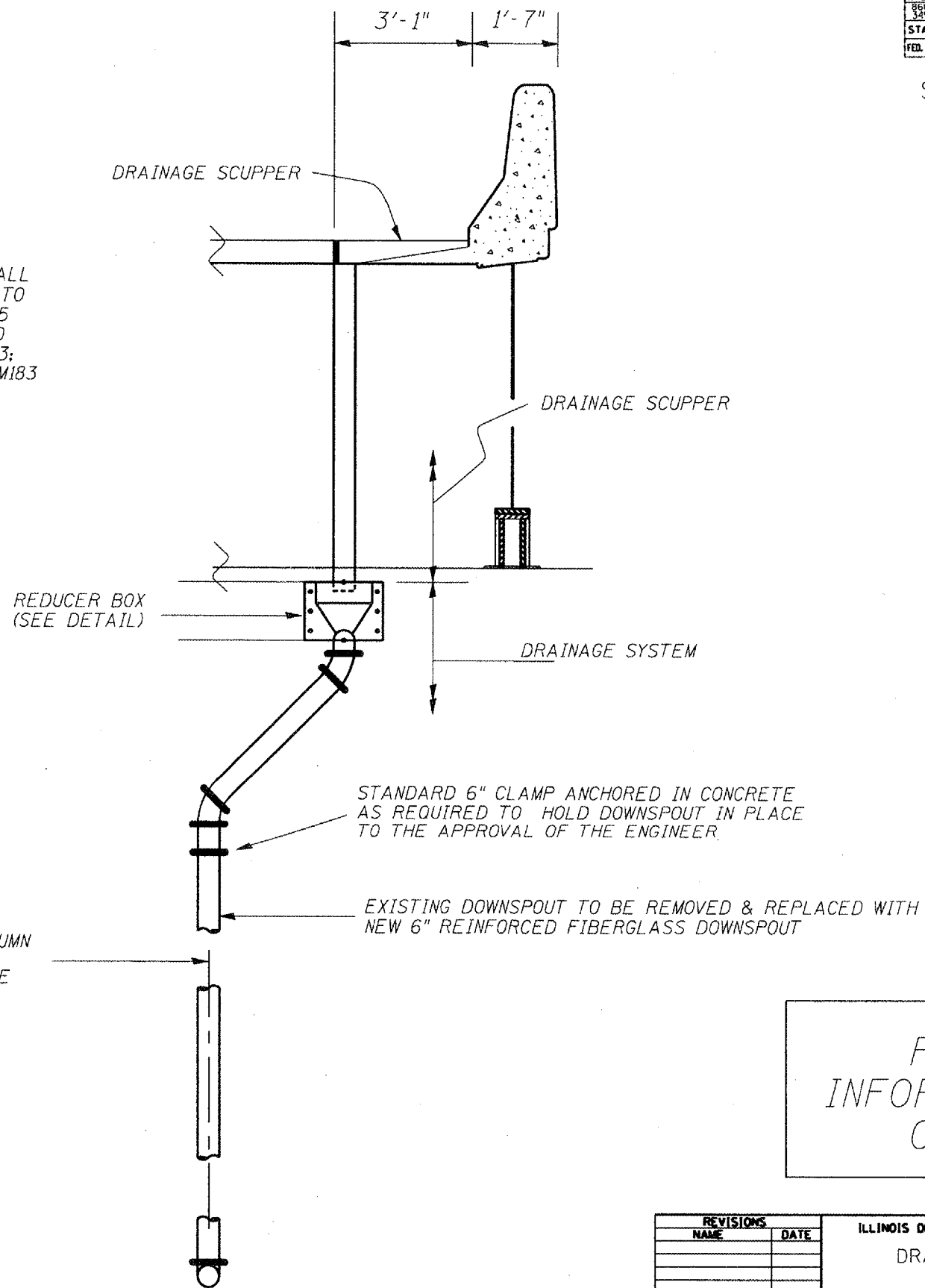
THE REDUCER BOX AND PLATES SHALL EITHER BE CAST IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M185 CLASS 30 OR STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M183; AFTER FABRICATION, ALL AASHTO M183 STEEL SHALL BE GALVANIZED IN ACCORDANCE W/AASHTO M111. BOLTS, NUTS & WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-307 AND SHALL BE GALVANIZED IN ACCORDANCE W/AASHTO M232.



REDUCER BOX DETAIL

NOTE:

THIS SHEET CONTAINS REPRODUCTIONS OF SHEET S10 OF S30, SHEET NO. 25 OF 71 OF CONTRACT 38747 DONE IN 1985 AND IS INTENDED FOR INFORMATION ONLY REGARDING PAY ITEM "CLEANING DRAINAGE SYSTEM", ALL SCUPPERS TO BE CLEANED AS PART OF AND INCLUDED IN THE COST OF "CLEANING DRAINAGE SYSTEM".



DRAINAGE SYSTEM

(TYPICAL AT PIERS) DETAIL AT ABUTMENT IS DIFFERENT

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAIL

LOCATION 1

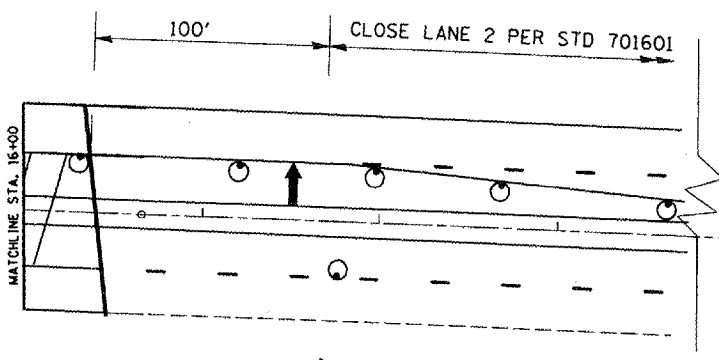
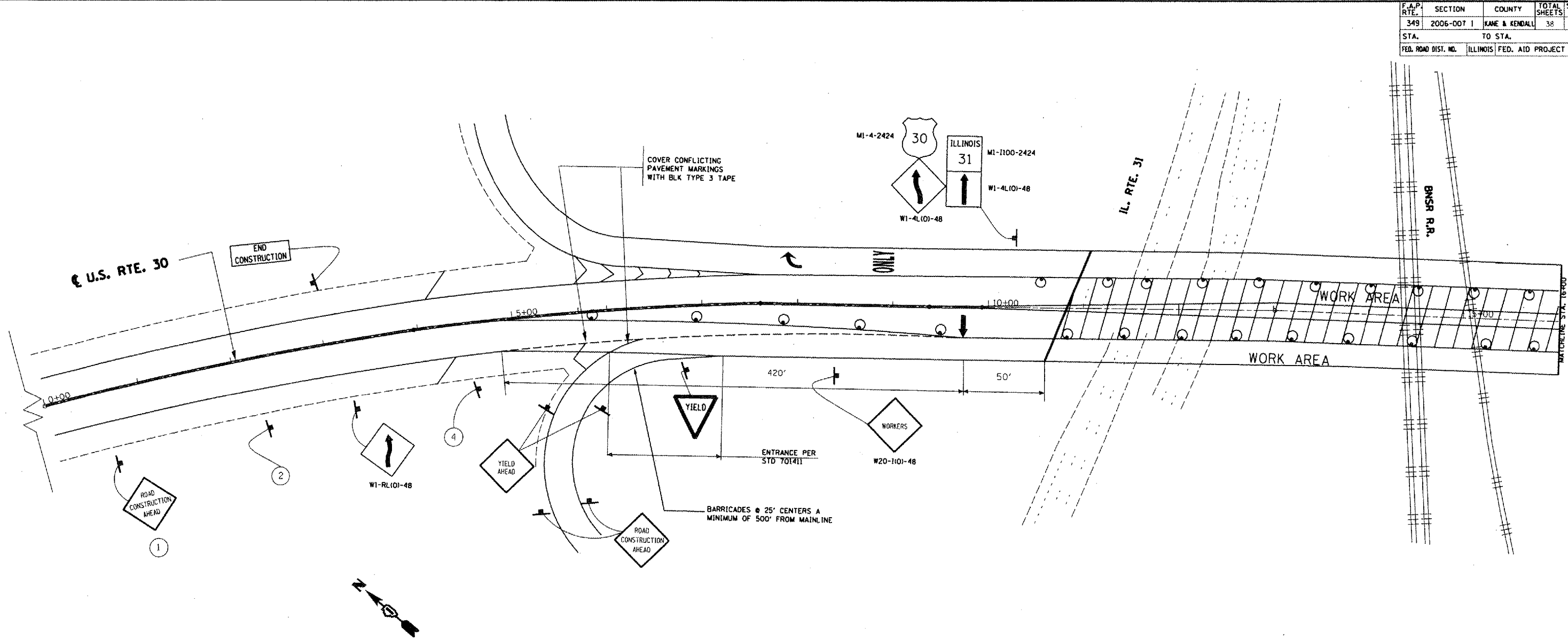
IL 31 OVER BNSF RR

SN 045-0039

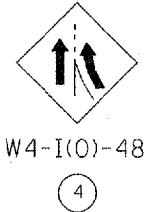
SCALE: VERT. DATE

HORIZ. DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	2006-007 I	KANE & KENDALL	38	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



WORK ZONE	W2-III5(O)-3618
SPEED LIMIT	R2-1-3648
35	
BEGINS	W2-III3(O)-3612
MINIMUM	R2-1106-3618



LEGEND

- ARROW BOARD
- DRUM OR BARRICADE
- SIGN
- WORK AREA
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOC 2
US ROUTE 30 OVER
IL 31 & BNSF R.R.
TRAFFIC STAGING PLAN
STAGE I

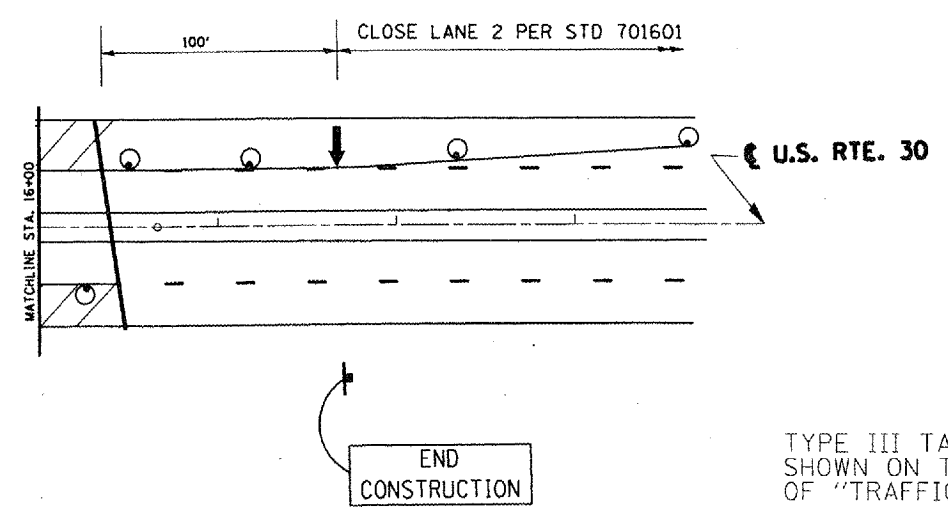
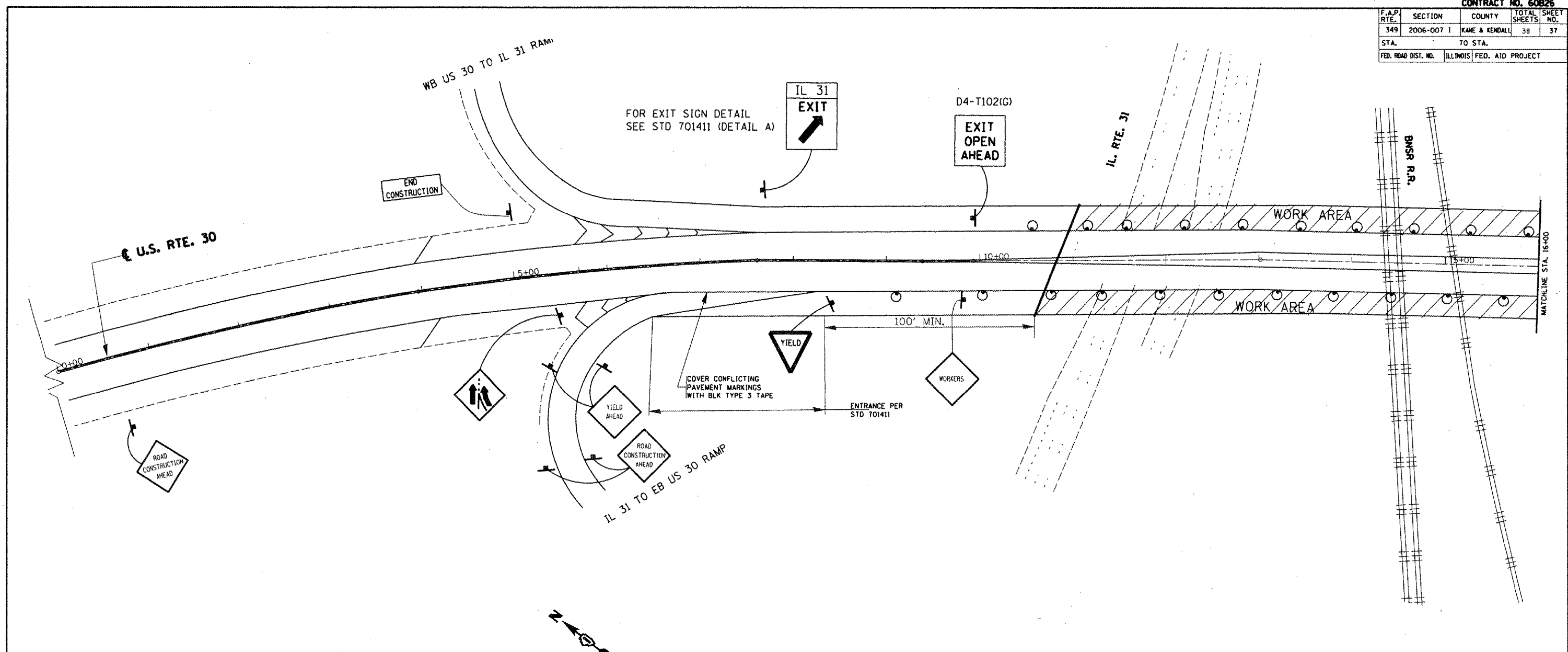
SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 10/2/2007

DRAWN BY
 CHECKED BY

TYPE III TAPE & ITS REMOVAL & TRAFFIC CONTROL SHOWN ON THIS SHEET ARE INCLUDED IN THE COST OF "TRAFFIC CONTROL & PROTECTION (SPECIAL)"

PLOT DATE: 10/2/2007
 FILE NAME: c:\p\projects\103186\loc2\stage1.dwg
 USER NAME: michel1r

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	2006-007 I	KANE & KENDALL	38	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- ARROW BOARD
- DRUM OR BARRICADE
- SIGN
- WORK AREA
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LOC 2
US ROUTE 30 OVER
IL 31 & BNSF R.R.
TRAFFIC STAGING PLAN
STAGE II

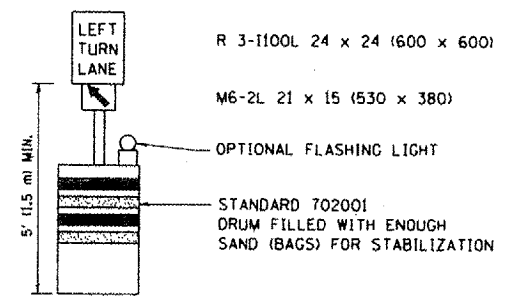
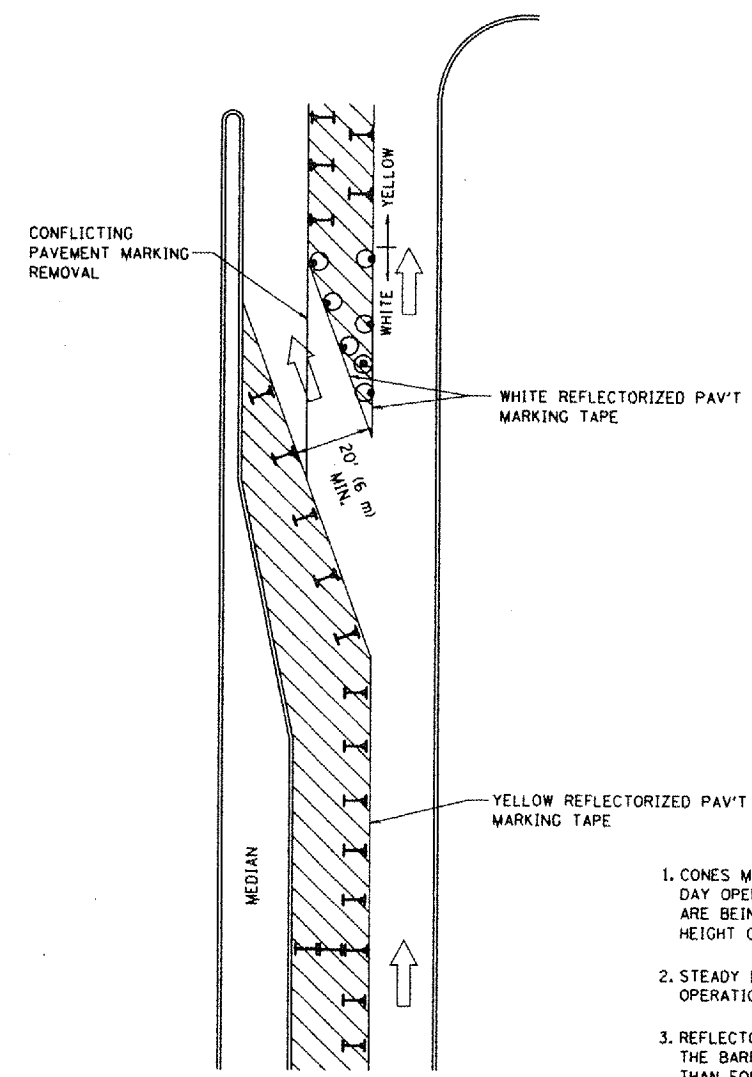
SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 10/2/2007

DRAWN BY
 CHECKED BY

TYPE III TAPE & ITS REMOVAL & TRAFFIC CONTROL SHOWN ON THIS SHEET ARE INCLUDED IN THE COST OF "TRAFFIC CONTROL & PROTECTION (SPECIAL)"

PLOT DATE: 10/2/2007
 FILE NAME: C:\Users\james\Documents\10131686\loc2_traffic_staging.dgn
 USER: james







F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS
260	2006701C	KANE	38
STA.	TO STA.		38
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



GENERAL NOTES

1. 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 CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. 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" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/96
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE
 DRAWN BY
 CHECKED BY LHA
 TC-14

PLOT DATE: 2/6/2007
 FILE NAME: K:\GIS\GIS\MapInfo\TC-14.dwg
 USER NAME: bshapiro