

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 74 (I-74)
[90-14HB-1(BR)]BRR
TAZEWELL COUNTY
C-94-008-18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	[90-14HB-1(BR)]BRR	TAZEWELL	14	1
FED. ROAD DIST. NO. 4	I-74			CONTRACT NO. 68D93

D-94-006-18

INDEX OF SHEETS

- 1 COVER SHEET
- 2 COMMITMENTS & GENERAL NOTES
- 3 - 4 SUMMARY OF QUANTITIES
- 5 SCHEDULE OF QUANTITIES
- 6 EXISTING PLAN VIEW OF THE DECK AND CROSS SECTIONS
- 7 EXISTING TYPICAL SECTIONS
- 8 SOUTHBOUND PINECREST CLOSURE/DETOUR DETAILS
- 9 PINECREST CLOSURE FOR BEAM SETTING DETAILS
- 10 LANE CLOSURE TYPICALS
- 11-14 BRIDGE PLANS

LIST OF STANDARDS

701400-09 701428-01
701401-10 701602-08
701411-09 701901-06

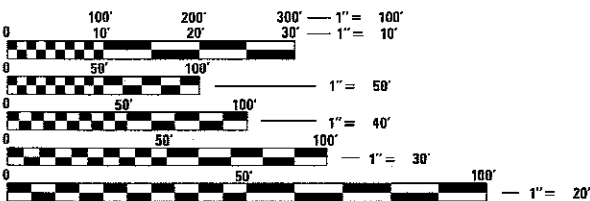
DESIGN DESIGNATION

I-74

ADT = 42,200 (2015)
SU = 1,500
MU = 3,100

PINECREST

ADT = 4,350 (2015)



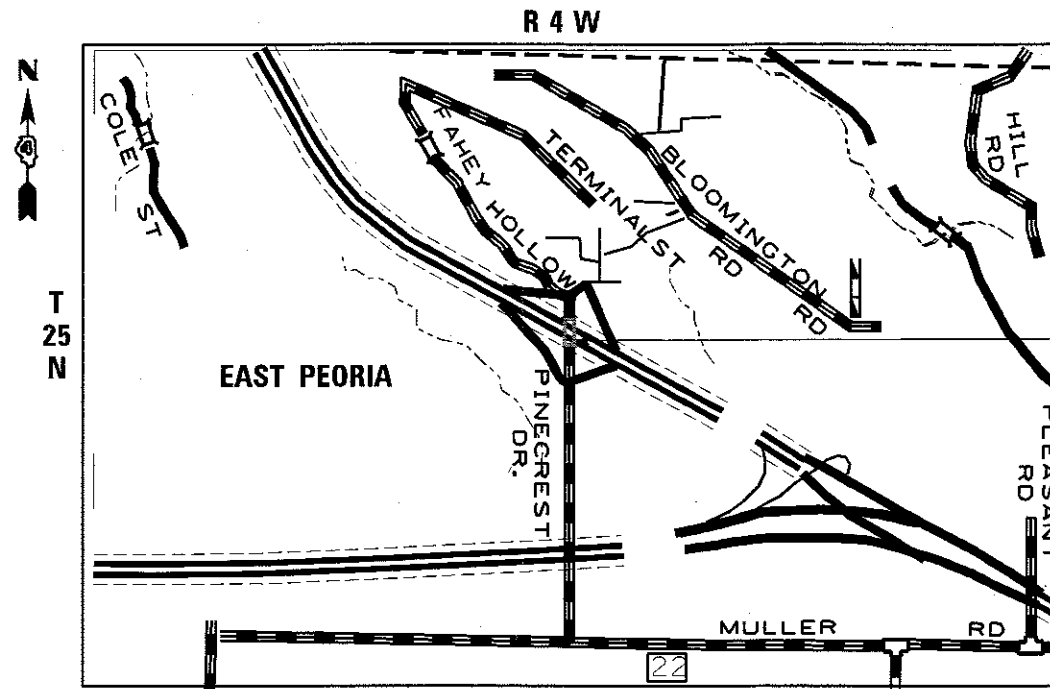
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

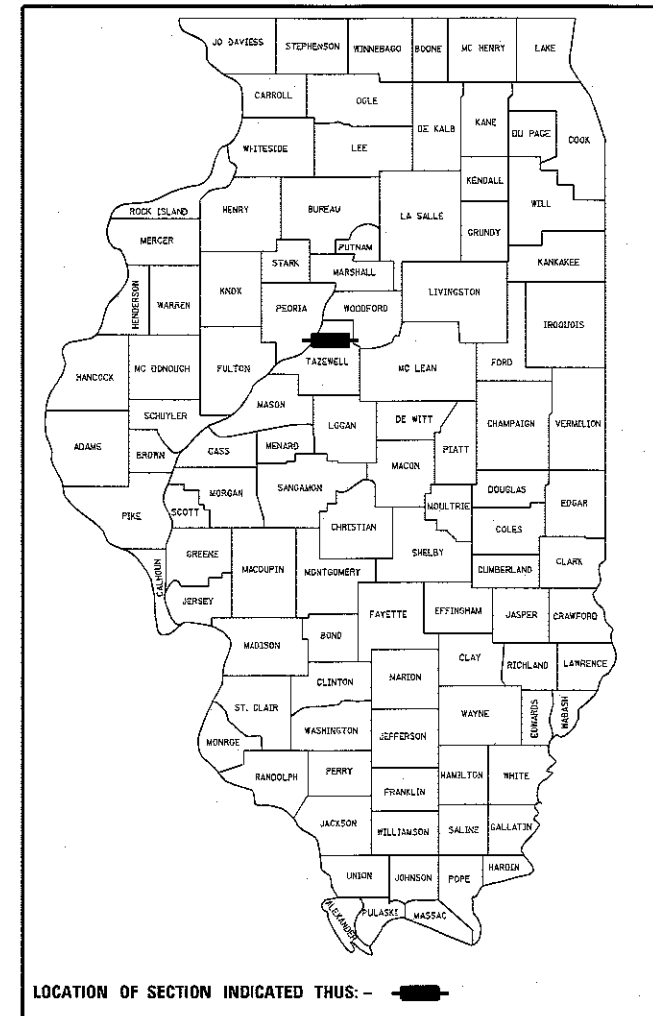
PROJECT ENGINEER: SAMPSON ADADE (309)671-3481

PROJECT MANAGER: MIKE LEWIS (309)671-3454

CONTRACT NO. 68D93
CATALOG NO. 035525-00D



**PROPOSED
IMPROVEMENT**



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

DESCRIPTION:
STEEL BEAM REPLACEMENT AND BEAM STRAIGHTENING REPAIRS ON STRUCTURE CARRYING PINECREST DRIVE OVER I-74 (S.N. 090-0091) AT THE PINECREST INTERCHANGE BETWEEN MORTON AND EAST PEORIA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Sept. 01 2017
Kensil A. Barnett (KSD)
REGION THREE ENGINEER
Oct 13 2017
Naureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT
Oct 13 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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

GROSS LENGTH OF PROJECT 200 FT (.04 MILES)
NET LENGTH OF PROJECT 200 FT (.04 MILES)

REV

GENERAL NOTES

Plan dimensions and details relative to the existing structure and roadway 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.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

The Department reserves the right at anytime to add additional Traffic Control Systems or devices within the active contract limits, by means of an additional contract. All terms of Article 105.08 of the Standard Specifications shall be followed by each Contractor.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 P10100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 P10101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

COMMITMENTS

No Commitments have been made for this Project.

PROJECT SPECIFIC NOTES

Included in the scope of this project after the steel work is complete is the replacement of all protective shield components that have been damaged or removed from the superstructure during this or previous beam repairs above the Eastbound lanes. Any protruding fastener items on existing shielding shall be removed and replaced to produce a smooth safe working platform. Cost included with the BEAM STRAIGHTENING. Work to be coordinated at least one week in advance with the Bridge Maintenance Engineer, Mark Eckhoff at I.D.O.T PH. (309) 671-4463

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS - GENERAL NOTES - PROJECT SPECIFIC NOTES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			74	(90-14HB-11BR)BRR	TAZEWELL	14	2	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 68D93					
	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. 4 I-74 FED. AID PROJECT					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE
				URBAN
50102400	CONCRETE REMOVAL	CU YD	1.1	1.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1.1	1.1
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	12330	12330
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	51	51
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	10920	10920
Z0003600	BEAM STRAIGHTENING	L SUM	1	1
Z0073300	TEMPORARY SHORING AND CRIBBING	L SUM	1	1

CONST. CODE
00B
100% ✓
STATE
URBAN

14

FILE NAME :	USER NAME : #USER#	DESIGNED -	REVISED -
FILE.EL		DRAWN -	REVISED -
	PLOT SCALE : #SCALE#	CHECKED -	REVISED -
	PLOT DATE : #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-1] (BR) DBR	TAZEWELL	14	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D93	

REV

SCHEDULE OF QUANTITIES

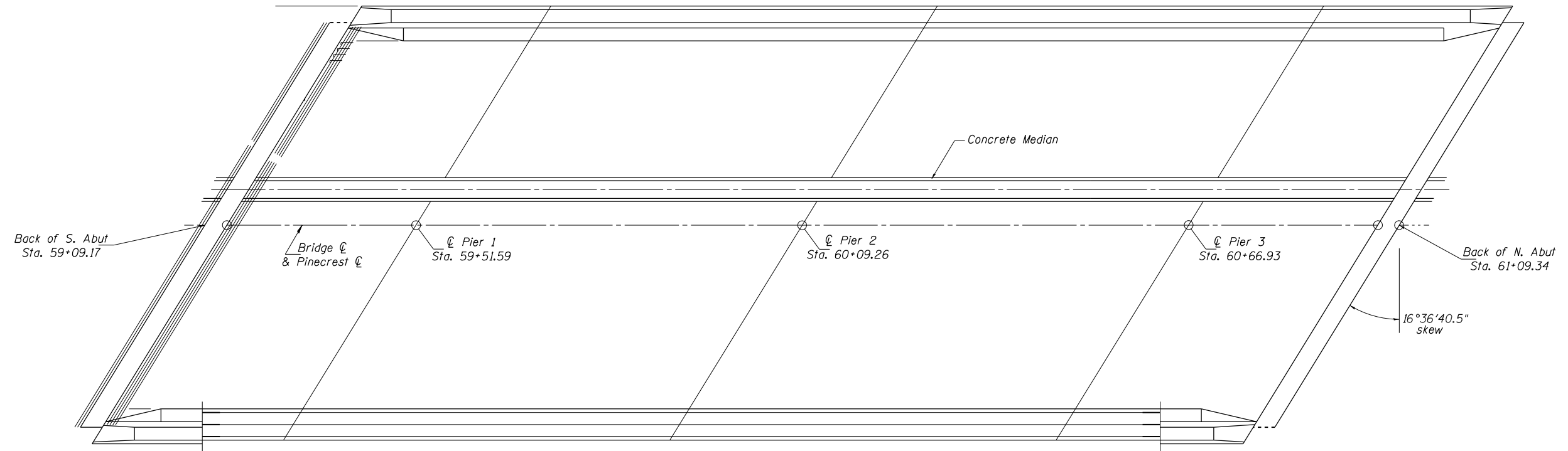
LOCATIONS STA. TO STA.	TRAFFIC CONTROL & PROTECTION (SPECIAL)
	L. SUM
JOBSITE	1
	TOTAL 1

LOCATIONS	CHANGEABLE MESSAGE SIGN
	CAL DAY
**I-74 WB DETOUR	22
**I-74 EB	22
**PINECREST SOUTH	7
TOTAL	51

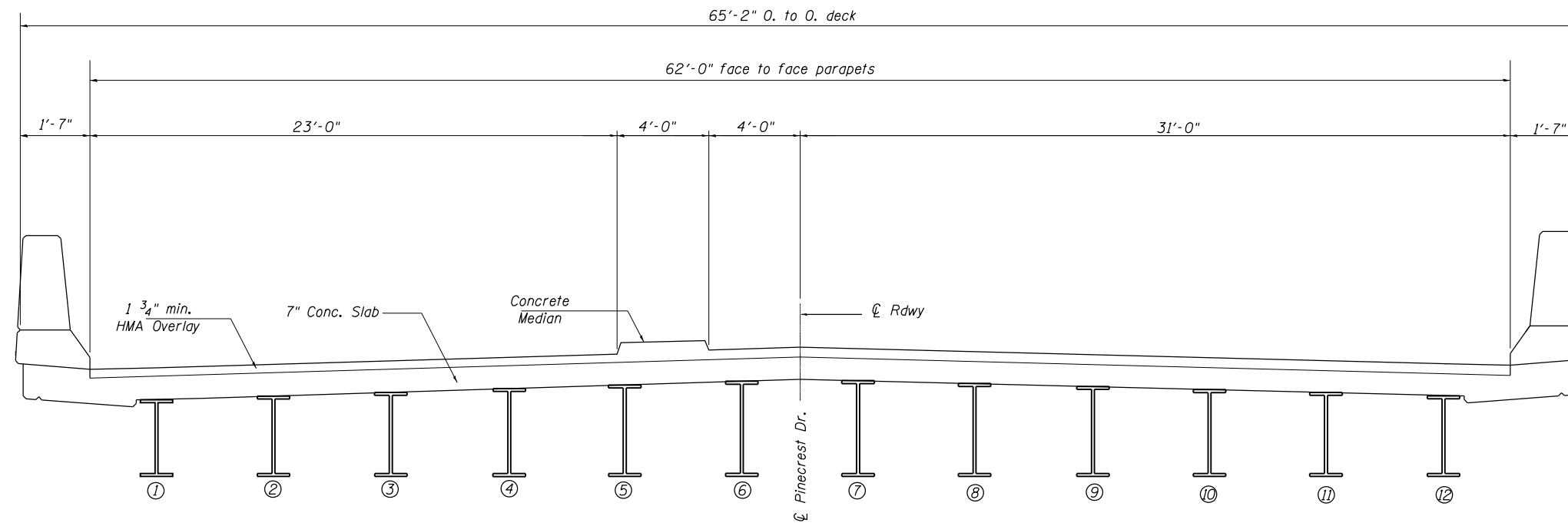
SEE SPECIAL PROVISION

** TO BE PLACED 7 DAYS PRIOR TO ANY LANE
CLOSURES ON I-74

	MOBILIZATION	TC & PROT STANDARD 701401	TC & PROT STANDARD 701411	TC & PROT STANDARD 701602	ENGINEER FIELD OFFICE TYPE A
	L. SUM	L. SUM	EACH	L. SUM	CAL MO
	1	1	1	1	2
TOTAL	1	1	1	1	2



PLAN VIEW OF EXISTING DECK



EXISTING CROSS SECTION
(Looking NORTH)

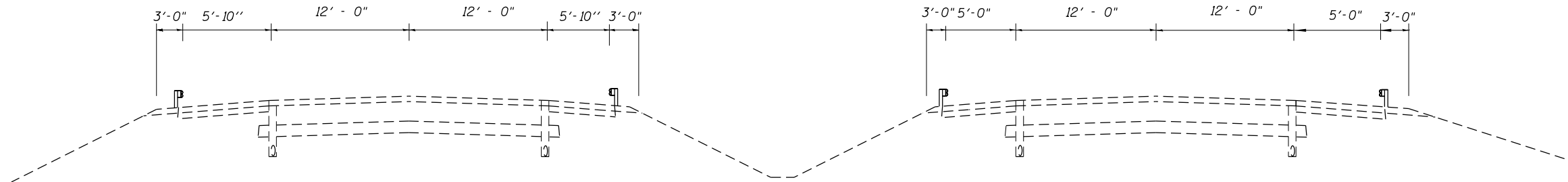
FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED -	REVISED -
	PLOT DATE = \$DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN AND TYPICAL SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-(BR)BRR	TAZEWELL	14	6
FED. ROAD DIST. NO. 4 I-74			FED. AID PROJECT	
			CONTRACT NO. 68D93	

I-74 TYPICAL SECTION (FOR INFORMATION ONLY)



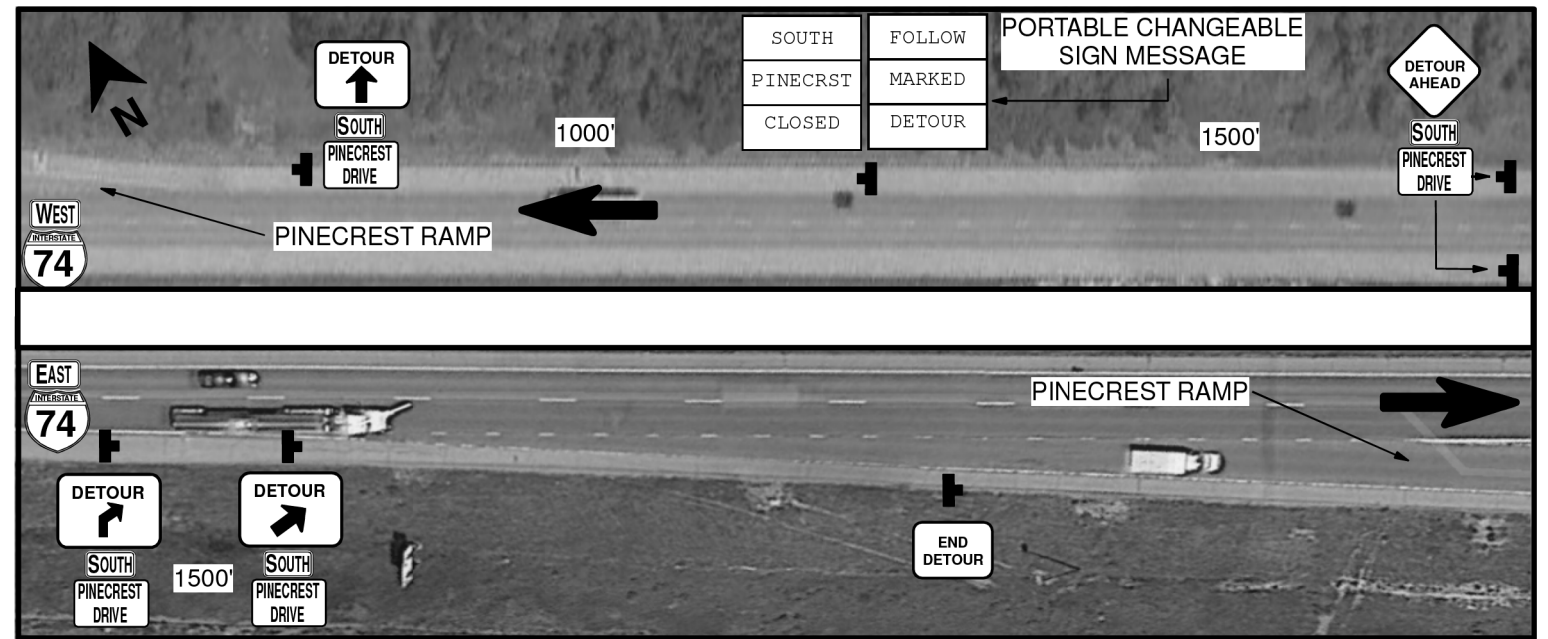
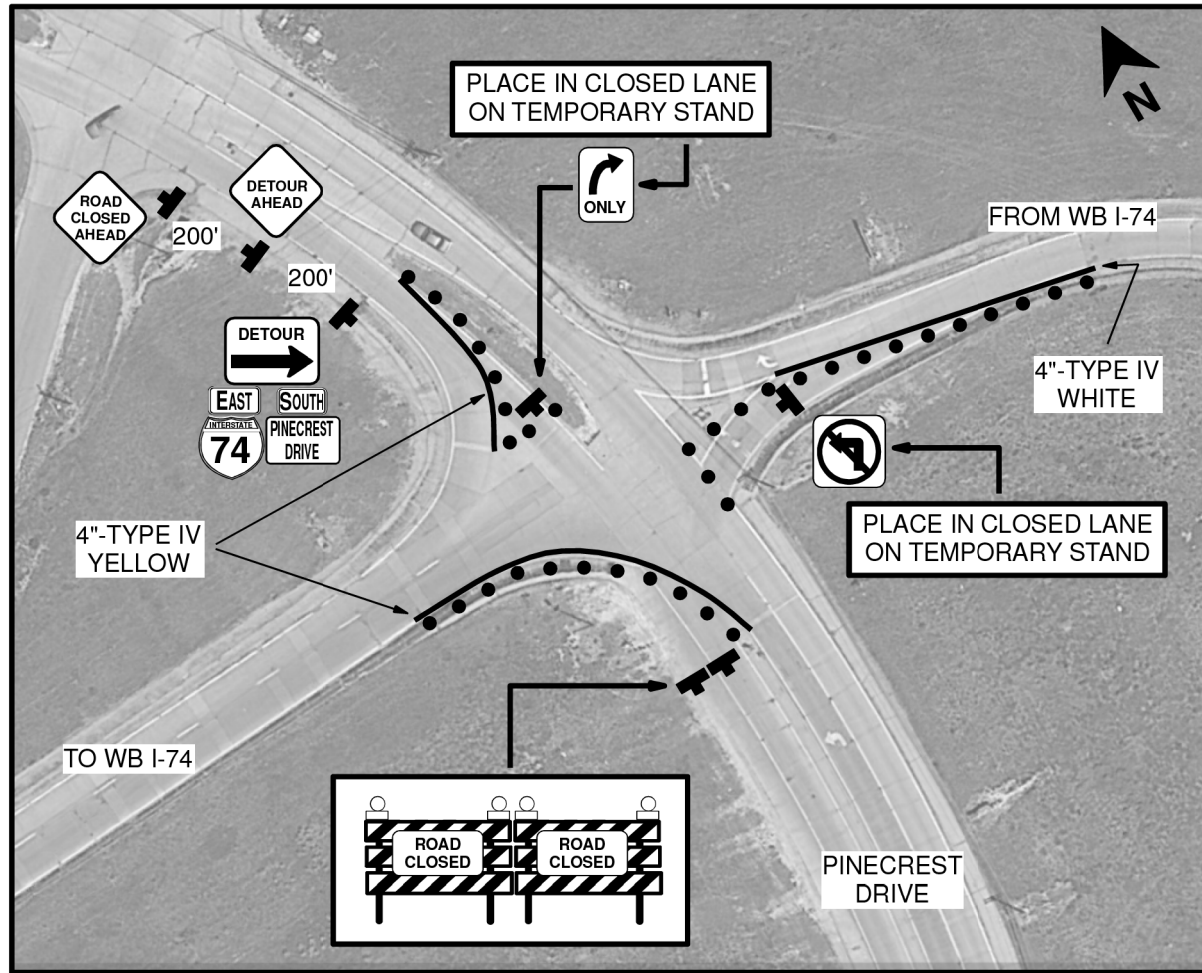
EXISTING TYPICAL SECTION F.A.I. ROUTE 74 (I-74)

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
*\$FILEL\$		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-74 TYPICAL SECTION
(FOR INFORMATION ONLY)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-1]XBR BBR	TAZEWELL	14	7
CONTRACT NO. 68093				
ILLINOIS FED. AID PROJECT				



● LIGHTED DRUM

TYPE IV TAPE- 400'- PLACEMENT/REMOVAL INCIDENTAL TO CONTRACT TRAFFIC CONTROL SPECIAL PAY ITEM.

EASTBOUND I-74 SIGN LOCATIONS MAY NEED TO BE ADJUSTED ACCORDINGLY WITH MAINLINE LANE CLOSURE SIGNS.

DETOUR SIGNAGE SHALL BE POST MOUNTED EXCEPT AS NOTED ON DETAIL PLAN SHEETS.



M4-9- 48" X 36" BLACK ON ORANGE



M3-24" X 12" BLACK ON WHITE

WHITE ON BLUE OVER INTERSTATE SHIELD



30" X 24" BLACK ON ORANGE

TYPICALS

SOUTHBOUND PINECREST CLOSURE/DETOUR DETAIL

(NOT TO SCALE)

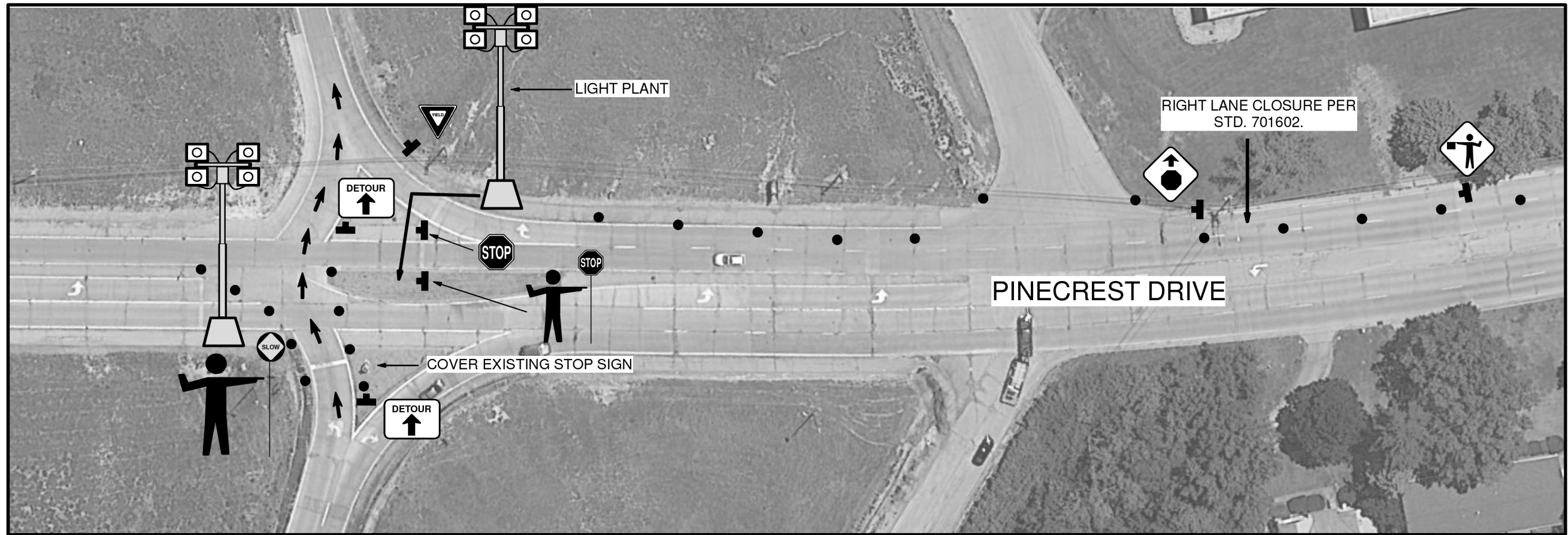
MODEL: 140DELMARIES
FILE NUMBER: 37123

USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = \$DATE\$	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-1](BR)BBR	TAZEWELL	14	8
CONTRACT NO. 68D93				
ILLINOIS FED. AID PROJECT				



PINECREST BEAM SETTING NOTES:

HIGHWAY STANDARD 710602 SHALL BE UTILIZED TO REDUCE TRAFFIC TO ONE LANE ONLY DURING THE CLOSURE/DETOUR.

TWO OVERHEAD LIGHT PLANTS SHALL BE UTILIZED AS SHOWN TO ILLUMINATE THE FLAGGERS. LOCATIONS MAY BE ADJUSTED TO ACTUAL FIELD CONDITIONS BUT MUST BE OVERHEAD OF THE FLAGGERS.

MAINLINE 74 TRAFFIC SHALL TAKE PRECEDENCE OVER PINECREST TRAFFIC.

FLAGGERS, ADDITIONAL SIGNAGE AND DEVICES, AS SHOWN, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL SPECIAL.

STANDARD 701602 SHALL BE PAID PER 70102632.

PINECREST CLOSURE FOR BEAM SETTING DETAIL.

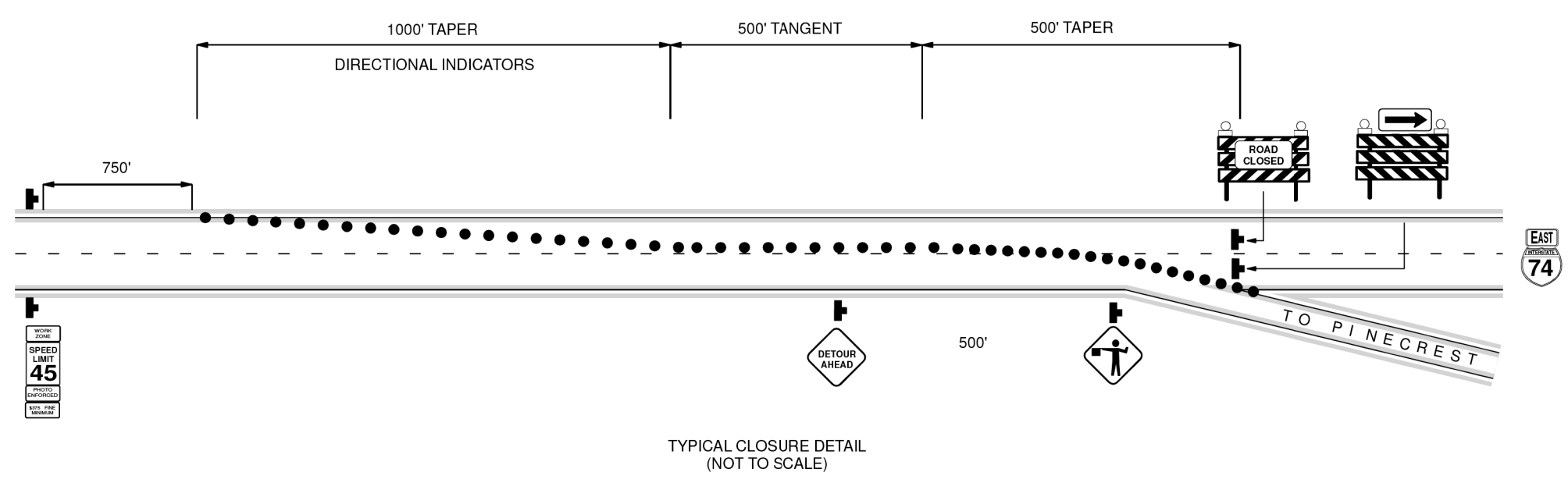
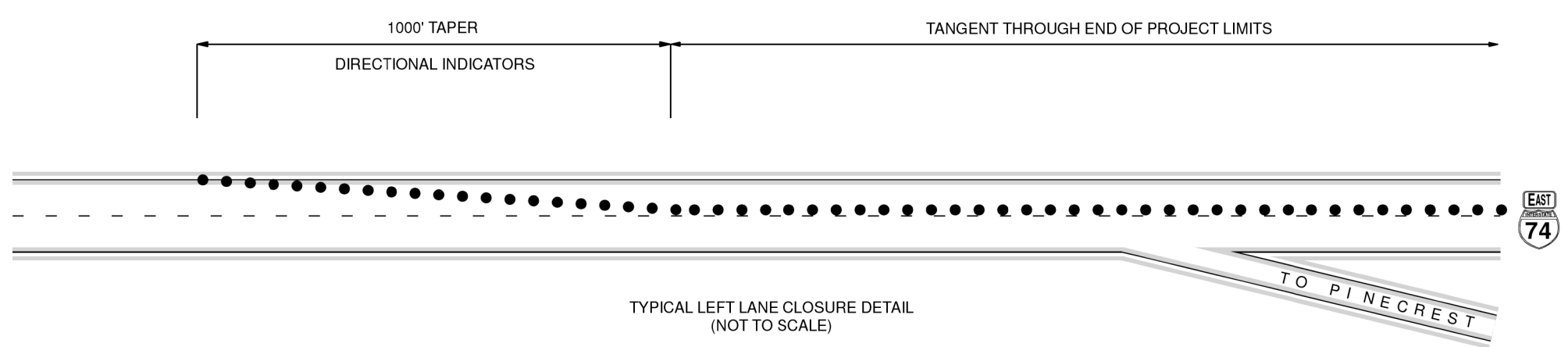
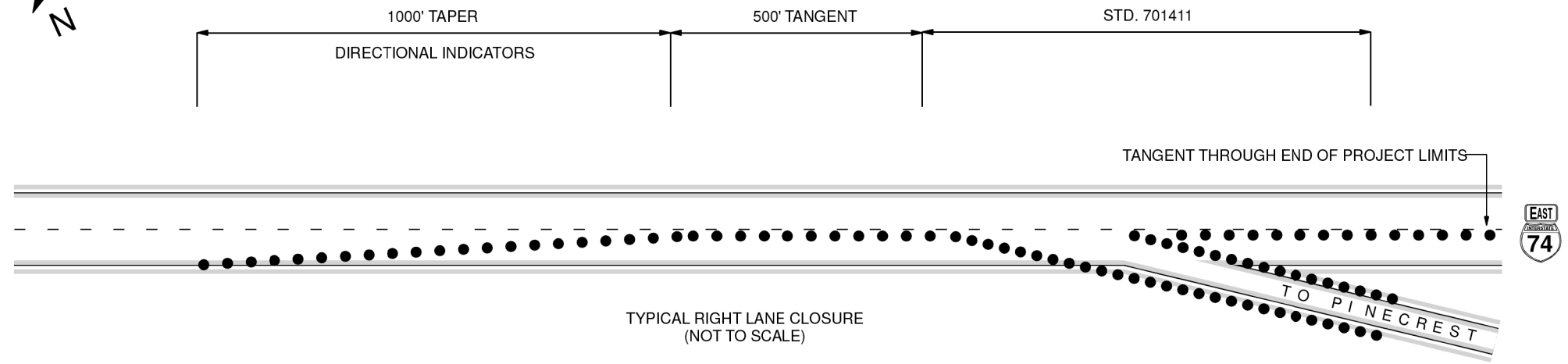
MODEL: 140DELMAMES
FILE NAME: 311213

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-1](BR)BBR	TAZEWELL	14	9
CONTRACT NO. 68D93				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES:

LANE CLOSURES SHALL BE AS SHOWN ACCORDING TO THE HIGHWAY STANDARDS WITH ADDITIONAL SIGNAGE AND DEVICES AS SHOWN.

THE INTENT OF THE TYPICAL DETAILS SHOWN IS TO KEEP THE INITIAL START OF THE WORK ZONE IN THE SAME LOCATION. THIS WILL ALLOW THE CONTRACTOR TO NOT HAVE TO RELOCATE ANY SIGNAGE BASED ON A LANE CLOSURE OR THE CLOSURE/DETOUR.

ADDITIONAL SIGNAGE AND DEVICES SHOWN SHALL BE INCLUSIVE OF THE TRAFFIC CONTROL SPECIAL PAY ITEM.

LANE CLOSURE TYPICALS

MODEL: 140DELMARIES
FILE: 140MB: 37123

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-14HB-1](BR)BBR	TAZEWELL	14	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D93	

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Fasteners shall be high strength bolts. Flange splice holes shall be $\frac{1}{8}'' \phi$ for $\frac{3}{4}'' \phi$ bolts. Web splice holes shall be $\frac{1}{8}'' \phi$ for $\frac{3}{4}'' \phi$ bolts.

After the new beam is in its final position and/or beam straightening operations have been completed, the Engineer in the field shall check to see that the top flange is tight against the slab. If not, the Contractor shall inject epoxy between the existing concrete deck and the top flange of the beam. See Special Provision "Epoxy Injection".

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

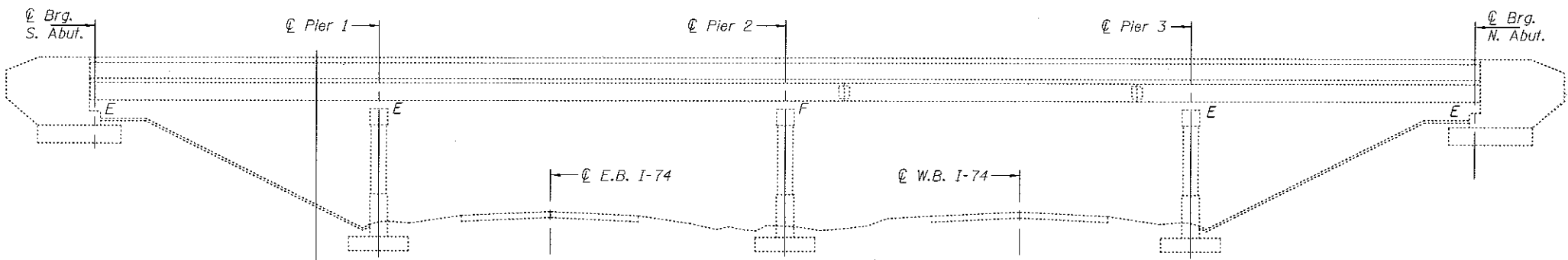
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

The Contractor shall provide support and/or shoring systems for the slab and beam in the area of existing beam removal. See Special Provision "Temporary Slab Support System."

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

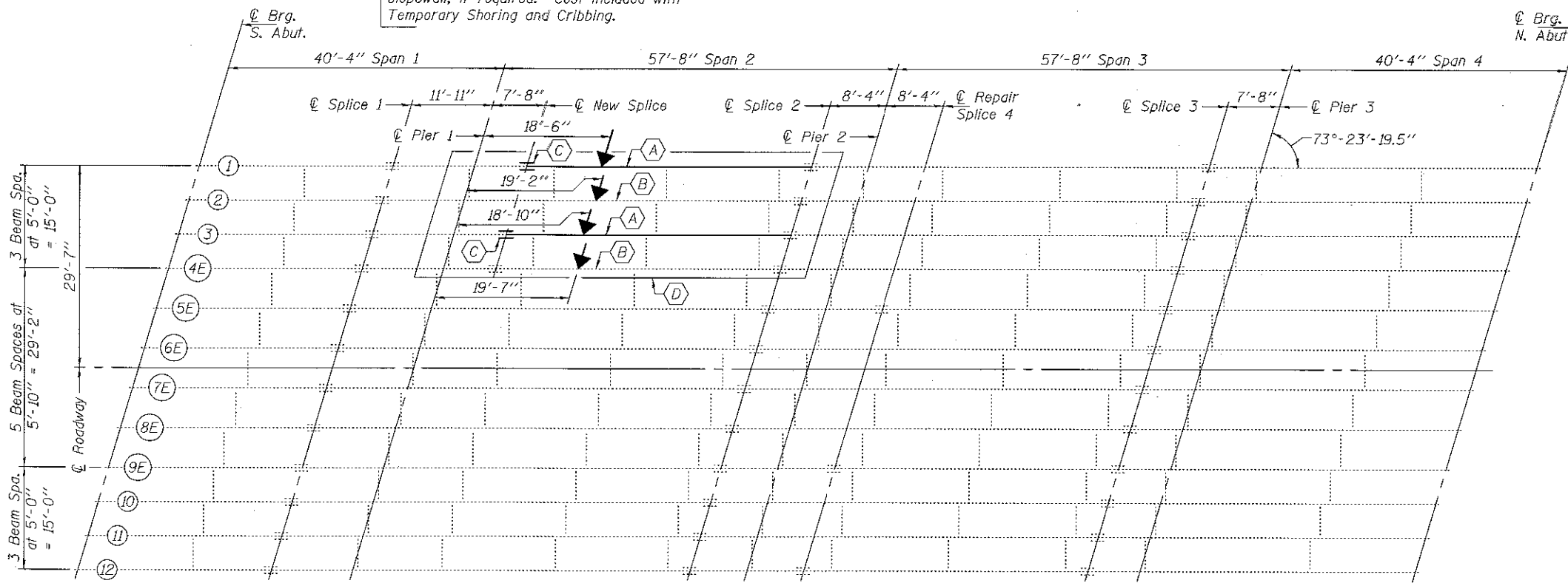
The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6. See Article 506 of the Standard Specifications.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.



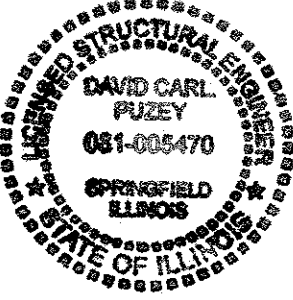
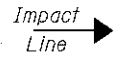
ELEVATION

Temporary shoring may be required to facilitate alignment of existing splice. Use 12" x 12" Timbers or HP's to be paid for as Temporary Shoring and Cribbing. Remove and replace slopewall, if required. Cost included with Temporary Shoring and Cribbing.



PLAN

- (A) - Existing beam to be removed & replaced.
- (B) - Existing beam to be straightened.
- (C) - New splice to be created.
- (D) - Existing permanent protective shield to be removed & reinstalled to facilitate work. Cost included with Furnishing & Erecting Structural Steel.



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	1.1
Concrete Superstructure	Cu. Yd.	1.1
Structural Steel Removal	Pound	10,920
Furnishing and Erecting Structural Steel	Pound	12,330
Beam Straightening	L.S.	1
Temporary Slab Support System	L.S.	1
Temporary Shoring and Cribbing	L.S.	1

Expires: November 30, 2018

DESIGNED Victor H. Veliz
 CHECKED Adrian T. Holloway
 DRAWN Kyle M. Steffen
 CHECKED VHV/ATA

PASSED
 [Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

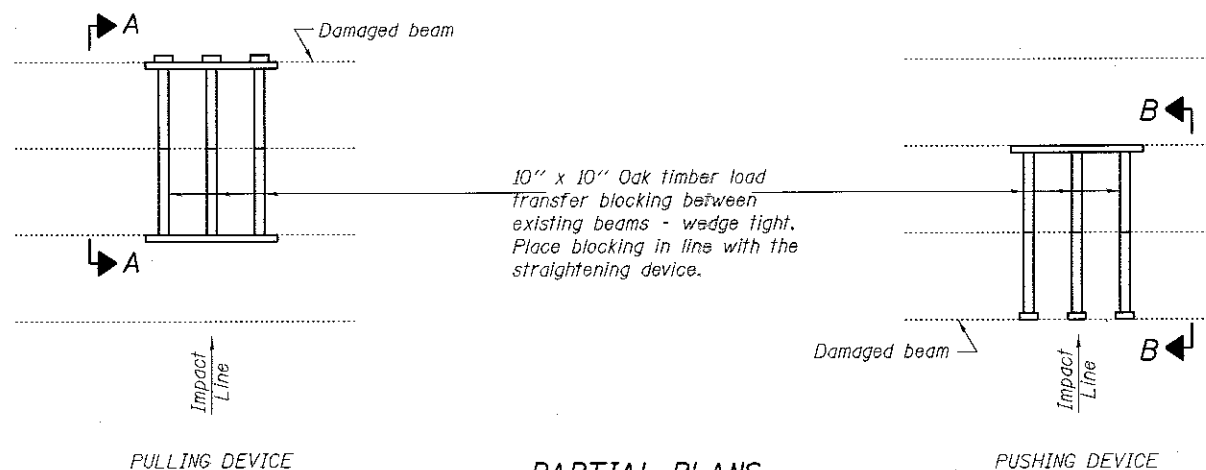
DATE SEPTEMBER 20, 2017
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 PINECREST DRIVE OVER F.A.I. ROUTE 74
 SN 090-0091
 SHEET NO. 1 OF 4 SHEETS

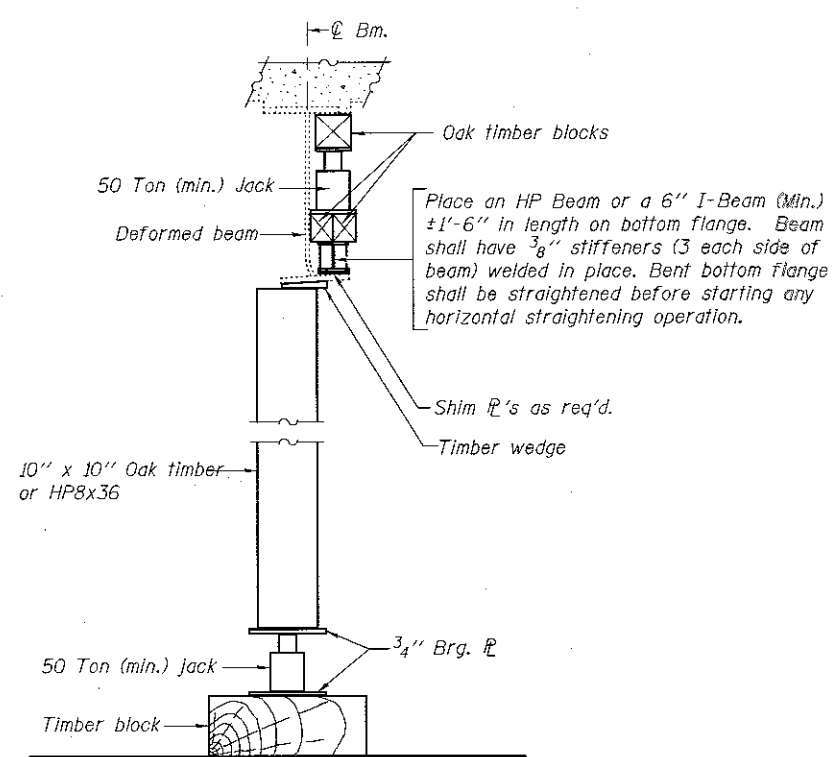
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(80-148B-18R)BR	TAZEWELL	14	11

CONTRACT NO. 68D93
 ILLINOIS FED. AID PROJECT

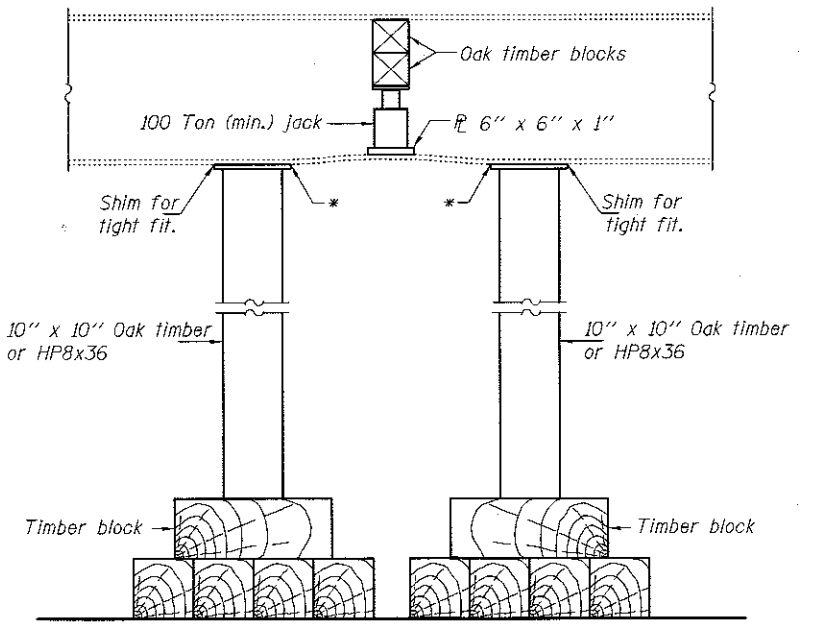


PARTIAL PLANS
SUGGESTED BEAM STRAIGHTENING METHODS

Straightening force shall be maintained on all load transfer blocking during beam straightening.



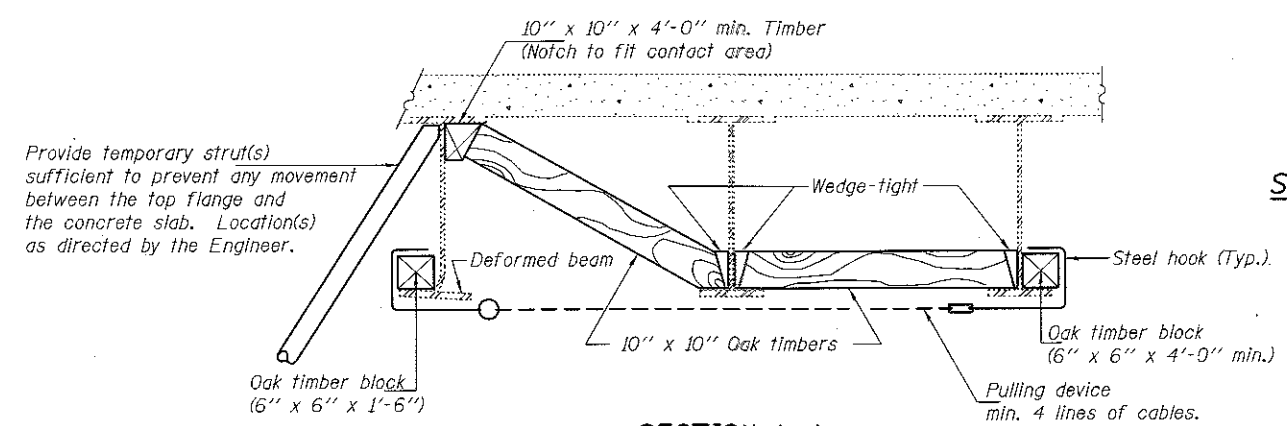
SUGGESTED VERTICAL STRAIGHTENING DETAIL
(To correct flange rotation.)



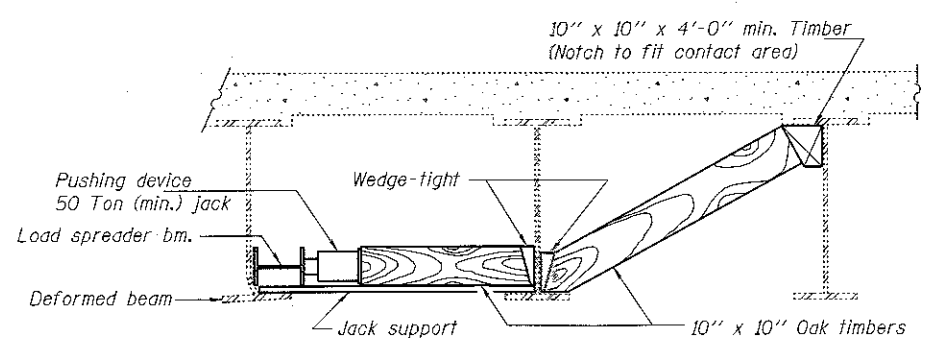
SUGGESTED VERTICAL STRAIGHTENING DETAIL
(To correct localized vertical flange deformations.)

* Edge of plate shall line up with edge of deformation.

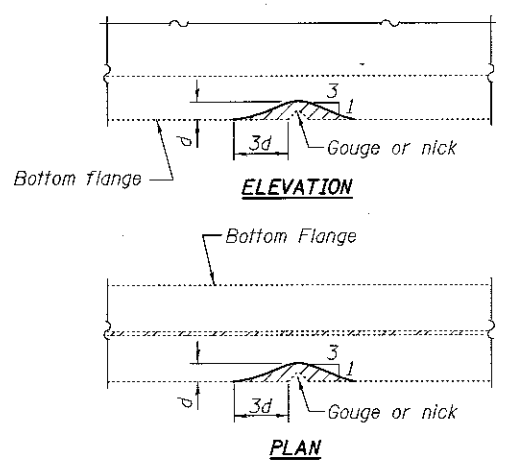
Notes:
Braces and jack assembly shall be placed on same side of web.
Bent bottom flange shall be straightened before starting any horizontal straightening operations.



SECTION A-A



SECTION B-B



GRINDING DETAIL

Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Ground surfaces shall be inspected for cracks using magnetic particle testing prior to initiating any beam straightening operations. Any cracks that cannot be removed by grinding approximately 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. Ground surfaces shall be spot cleaned and painted with an aluminum epoxy mastic primer followed by a finish coat to match the color of the existing beam. Cost of grinding, testing and spot painting included with Beam Straightening.

TABLE OF DIMENSIONS

BEAM	Dim. X	Dim. Y	Dim. L
2	1/2"	1 1/2"	10'
4E	1"	1 1/4"	10'

EXISTING DEFORMATION TO BE STRAIGHTENED

(Looking South)
(Approximate max. deflections)
Deflected length of beam to be straightened is approximately "L".

REP-11-14-2005

DESIGNED VHV
CHECKED ATH
DRAWN Kyle M. Steffen
CHECKED VHV ATH

PASSED
A. Carl Perry
ENGINEER OF BRIDGES AND STRUCTURES

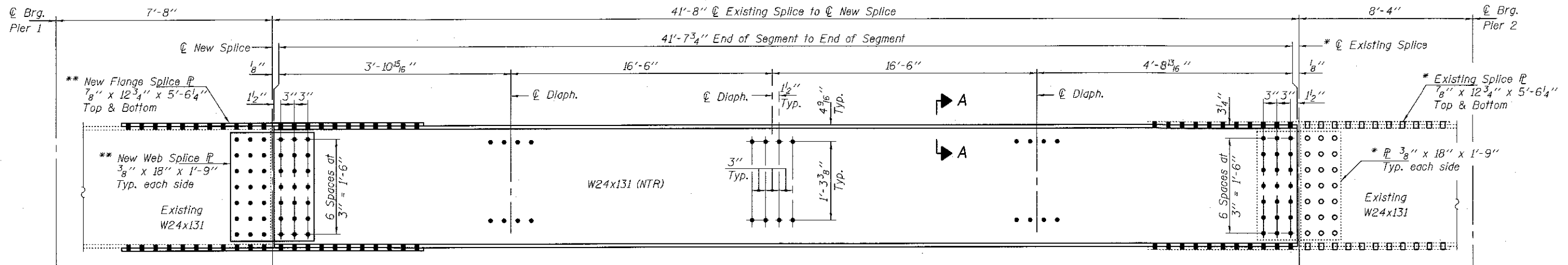
DATE SEPTEMBER 20, 2017
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM STRAIGHTENING DETAILS
SN 090-0091

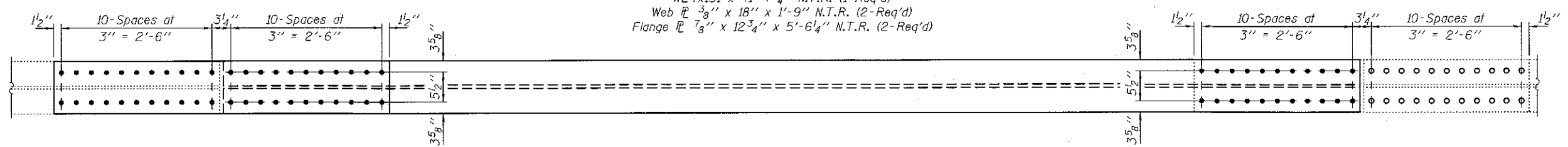
SHEET NO. 2 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(90-14HB-1BR)3BR	TAZEWELL	14	12
CONTRACT NO. 68D93			ILLINOIS FED. AID PROJECT	

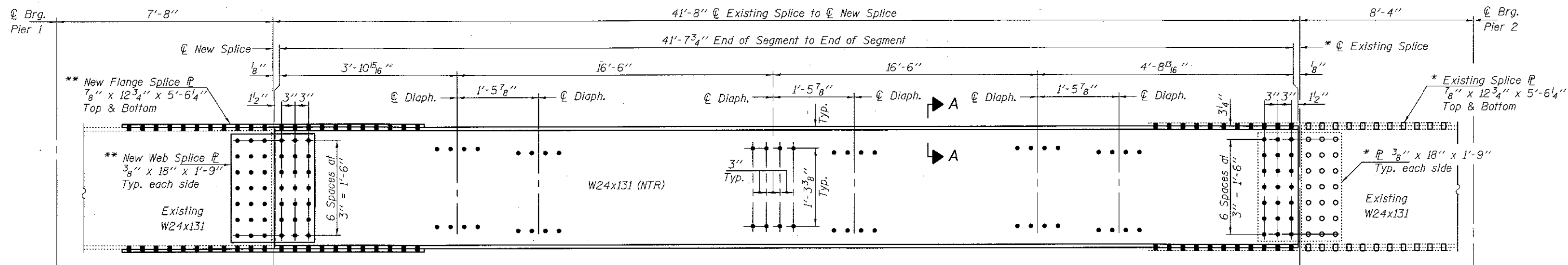


ELEVATION BEAM 1, SPAN 2

(Looking West)
 W24x131 x 41'-7 3/4" N.T.R. (1-Req'd)
 Web \bar{L} 3/8" x 18" x 1'-9" N.T.R. (2-Req'd)
 Flange \bar{L} 7/8" x 12 3/4" x 5'-6 1/4" N.T.R. (2-Req'd)



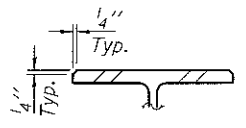
TOP & BOTTOM FLANGE



ELEVATION BEAM 3, SPAN 2

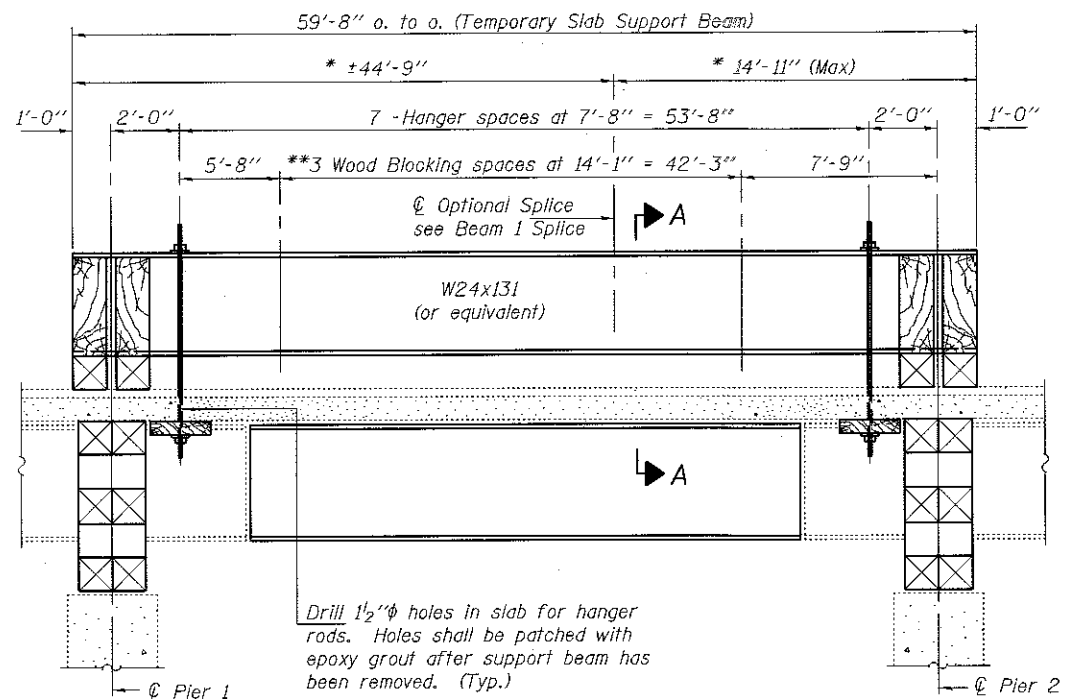
(Looking West)
 W24x131 x 41'-7 3/4" N.T.R. (1-Req'd)
 Web \bar{L} 3/8" x 18" x 1'-9" N.T.R. (2-Req'd)
 Flange \bar{L} 7/8" x 12 3/4" x 5'-6 1/4" N.T.R. (2-Req'd)

- * Use existing splice \bar{L} 's as template to field drill holes in new beam.
- ** Use new splice \bar{L} 's as template to field drill holes in existing beam.



SECTION A-A

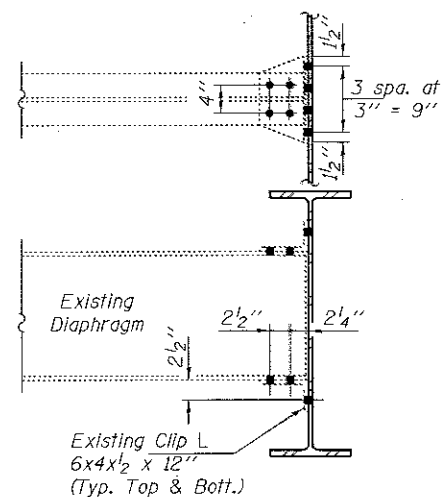
Notes:
 Field drill diaphragm holes in new beams using holes in existing clip L's as a template.
 Natural camber of new beam shall be placed upward for fabrication.
 Diaphragm connection holes shall be 5/16" ϕ for 3/4" ϕ bolts. Two hardened washers shall be required at diaphragm connections.
 The cost of all field drilling required for installation of the steel members is included with Furnishing and Erecting Structural Steel.
 Removal of existing beams to be paid for as "Structural Steel Removal".
 New Beam & Splice \bar{L} 's to be paid for as "Furnishing & Erecting Structural Steel".
 For diaphragm connection details see sheet 4 of 4.



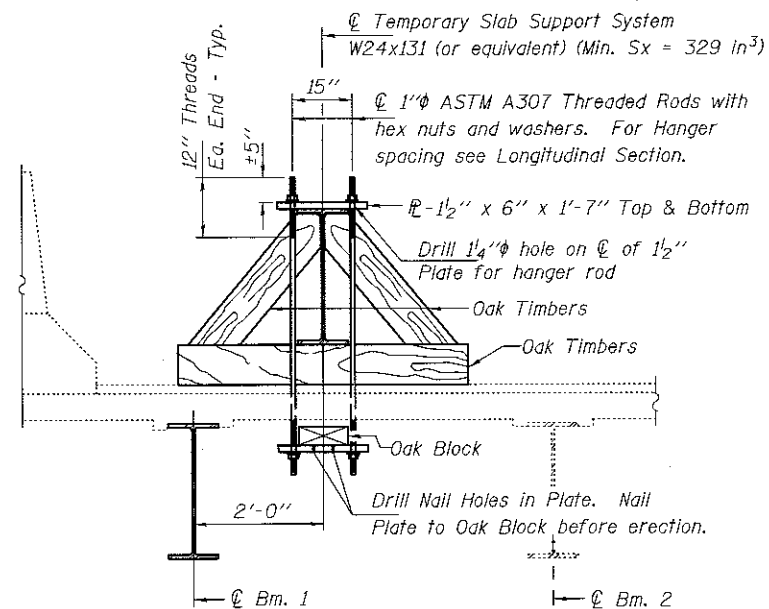
**LONGITUDINAL SECTION
SUGGESTED TEMPORARY SLAB SUPPORT SYSTEM**

* These dimensions may vary for available beams in stock.

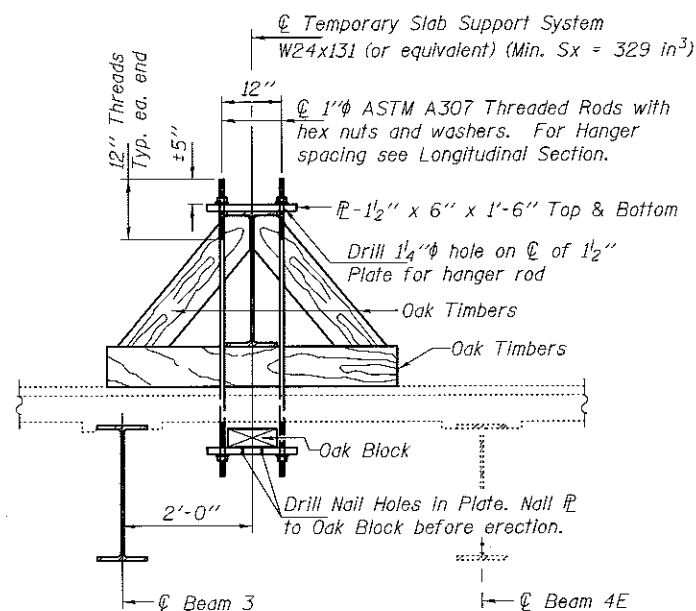
** Wood blocking between supports to be placed after support beam deflects under its own weight.



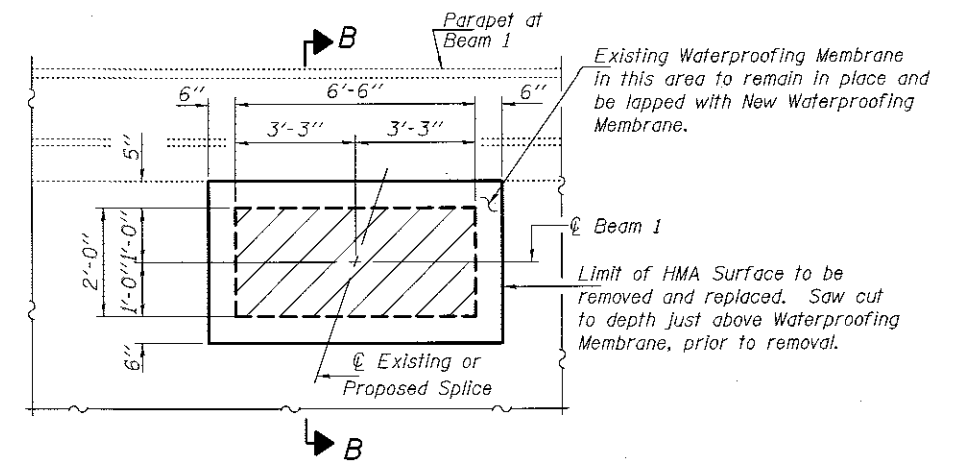
DIAPHRAGM CONNECTION DETAIL



SECTION A-A AT BEAM 1



SECTION A-A AT BEAM 3



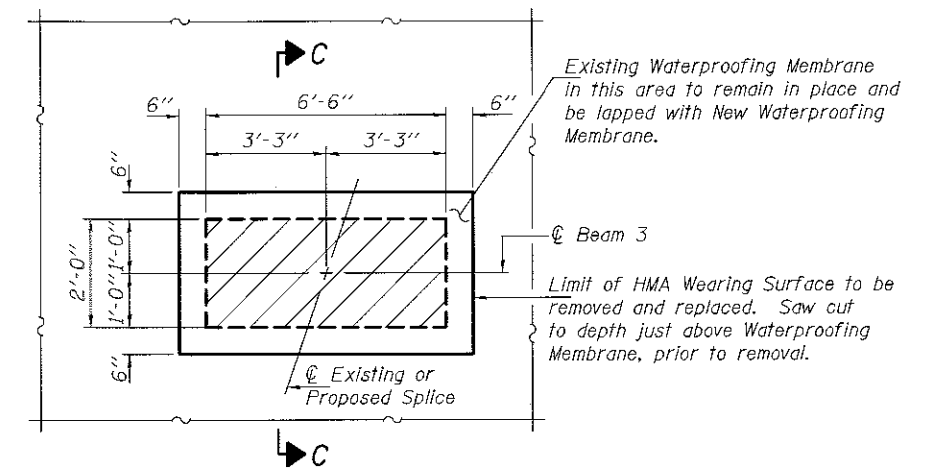
**CONCRETE & HMA SURFACE REMOVAL
REMOVAL AND REPLACEMENT AT BEAM 1**

Notes

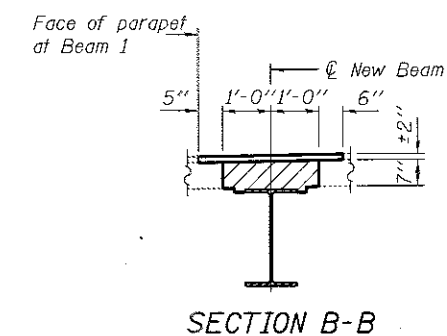
Hatched areas indicate concrete sections to be removed and replaced. Perimeters of concrete removal areas shall be saw cut 3/4" prior to the removal of concrete.

Reinforcement shall be cut only if required for fitting bolts. Cut reinforcement shall be spliced as directed by the Engineer. Cost shall be included with Concrete Removal.

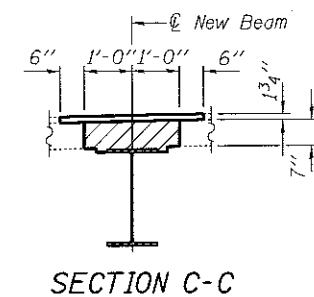
The cost of removing and replacing the existing HMA wearing surface, waterproofing membrane, and saw cutting shall be included with Concrete Removal.



**CONCRETE & HMA SURFACE REMOVAL
REMOVAL AND REPLACEMENT AT BEAM 3**



SECTION B-B



SECTION C-C

DESIGNED VHV
CHECKED ATH
DRAWN Kyle M. Steffen
CHECKED VHV ATH

PASSED

Carl Perry
ENGINEER OF BRIDGES AND STRUCTURES

DATE SEPTEMBER 20, 2017

REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SLAB SUPPORT SYSTEM & REPAIR DETAILS
SN 090-0091

SHEET NO. 4 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[90-144B-11BR]BRR	TAZEWELL	14	14
			CONTRACT NO. 68D93	
ILLINOIS FED. AID PROJECT				