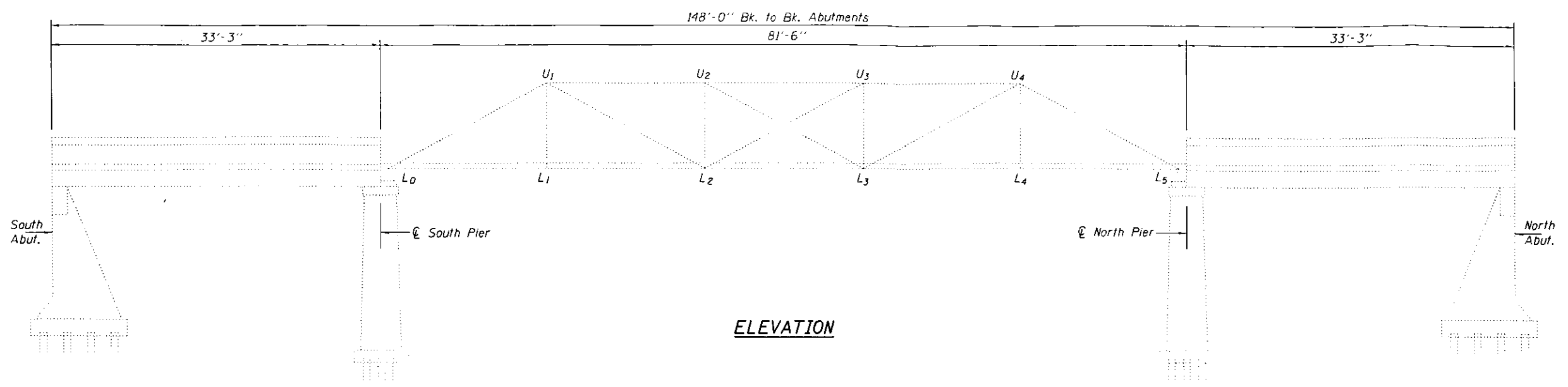
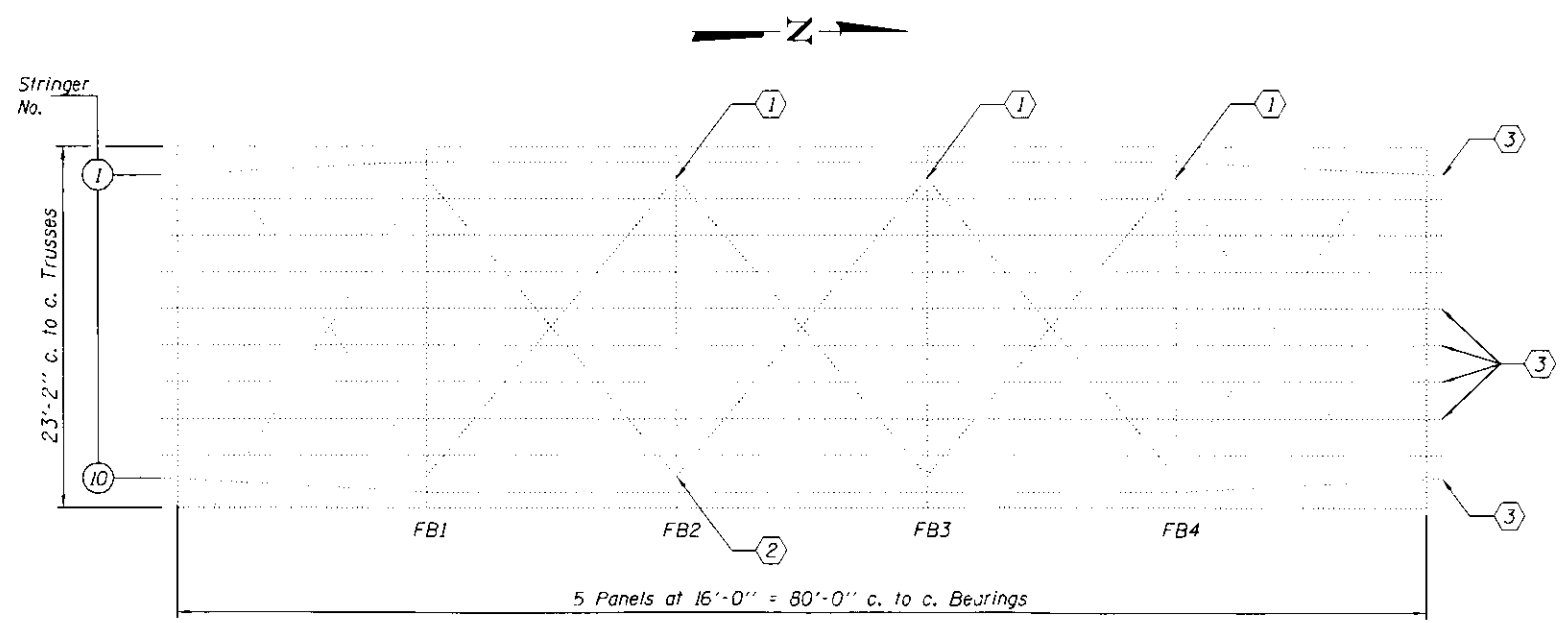


UPIT COPY



ELEVATION

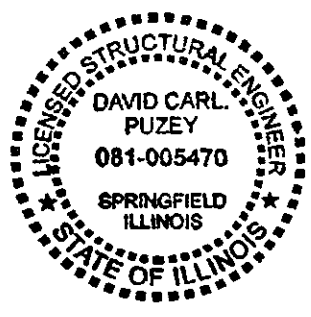


PARTIAL PLAN

- ① - Floorbeam plating.
- ② - Replace plates at end of floorbeam.
- ③ - Beam shoring.

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{1}{16}$ " ϕ , unless otherwise noted.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction, except the pin diameters, 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.
 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 Structural Steel Repair.
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair.
 Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
 The Contractor shall provide support and/or shoring systems for the stringers in the areas of repairs as required. The support and/or shoring systems shall be approved by the engineer. Such approval will not relieve the contractor of responsibility for the safety of the structure. See Special Provisions.

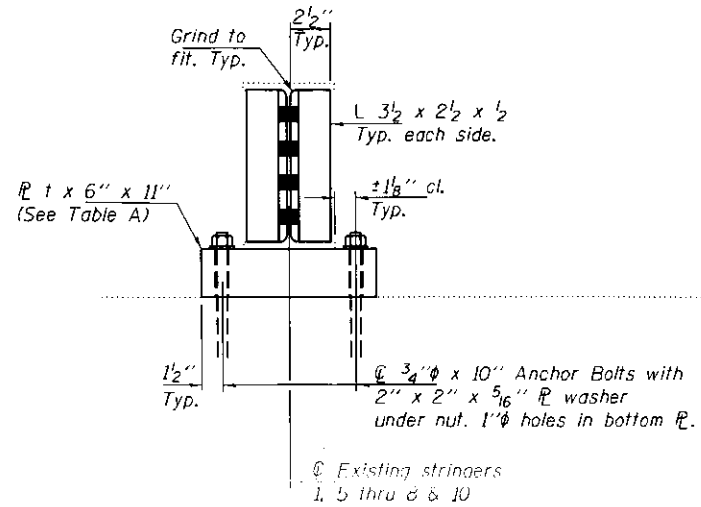


EXPIRES 11-30-2016

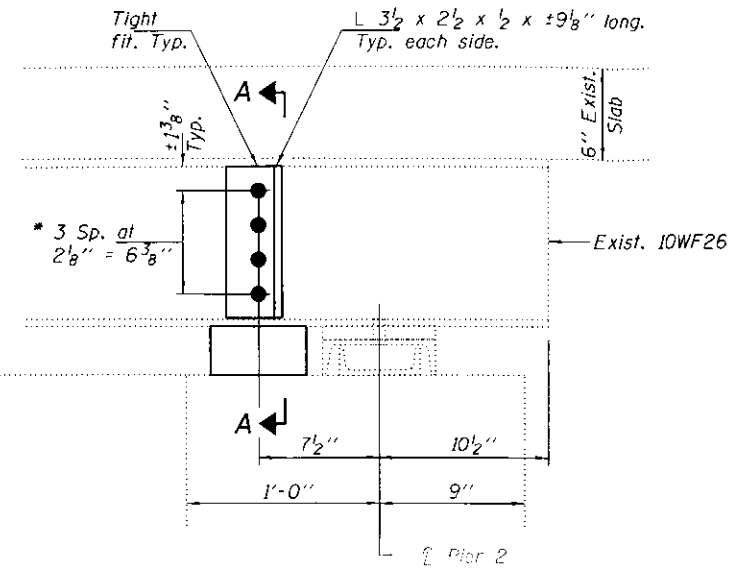
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1280
Anchor Bolts, $\frac{3}{4}$ "	Each	12
Temporary Slab Support System	LS	1

DESIGNED <i>Stephen M. Ryan</i>	CHECKED <i>Adam K. Holloway</i>	DRAWN <i>baliva</i>	CHECKED <i>SMR ATH</i>	DATE JANUARY 21, 2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND ELEVATION SBI 150 (OLD IL 3) OVER MILLER CREEK SN 002-0010	S.B.I. SECTION 150	COUNTY ALEXANDER	TOTAL SHEETS 1	SHEET NO. 1 OF 2 SHEETS
PASSED <i>David Carl Puze</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES				REVISOR	ILLINOIS FED. AID PROJECT					



SECTION A-A



ELEVATION

* 3/4" HS bolts in 1 3/16" holes.

REPAIR 3

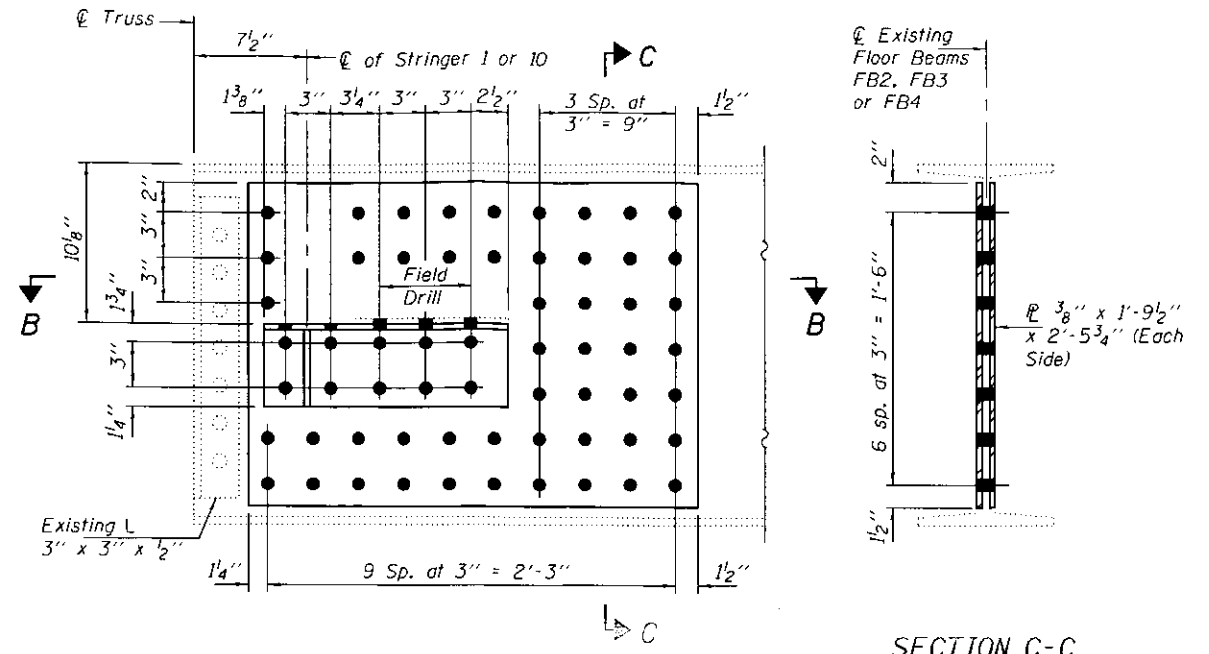
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

TABLE A

Location	t
Stringer 1	3/4"
Stringer 5	3 3/8"
Stringer 6	3 5/8"
Stringer 7	3 1/4"
Stringer 8	2 3/4"
Stringer 10	3/4"

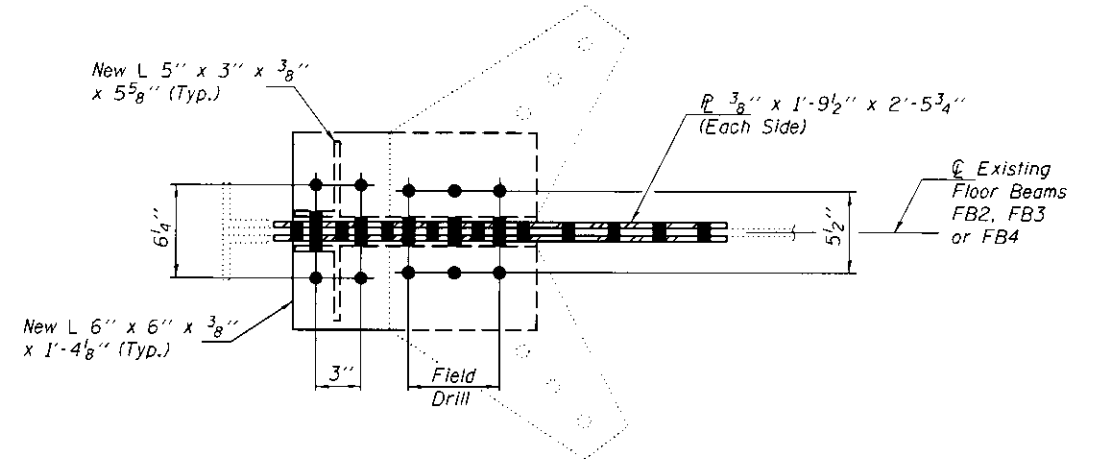
Add 1/8" x 6" x 11" shim plates as required to bring into full contact with deck.



BEAM END REPAIRS 1 & 2

4 Required
Use existing holes in FB2, E. end as template to drill holes in new repair plates.

SECTION C-C



SECTION B-B

DESIGNED SMR
CHECKED ATH
DRAWN baliva
CHECKED SMR ATH

PASSED
DATE JANUARY 21, 2016
ACTING ENGINEER OF BRIDGES AND STRUCTURES

REVISIONS
REVISOR
REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

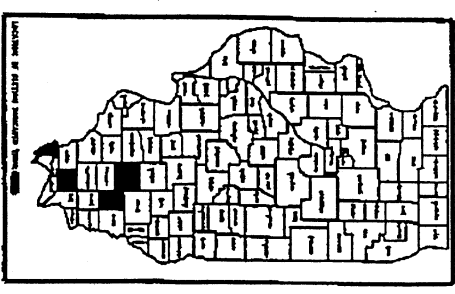
REPAIR DETAILS
SN 002-0010
SHEET NO. 2 OF 2 SHEETS

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
150		ALEXANDER		
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

VARIOUS ROUTES
 D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES
 CONTRACT NO. 78114
 SHEET 1 OF 23

D-99-019-09

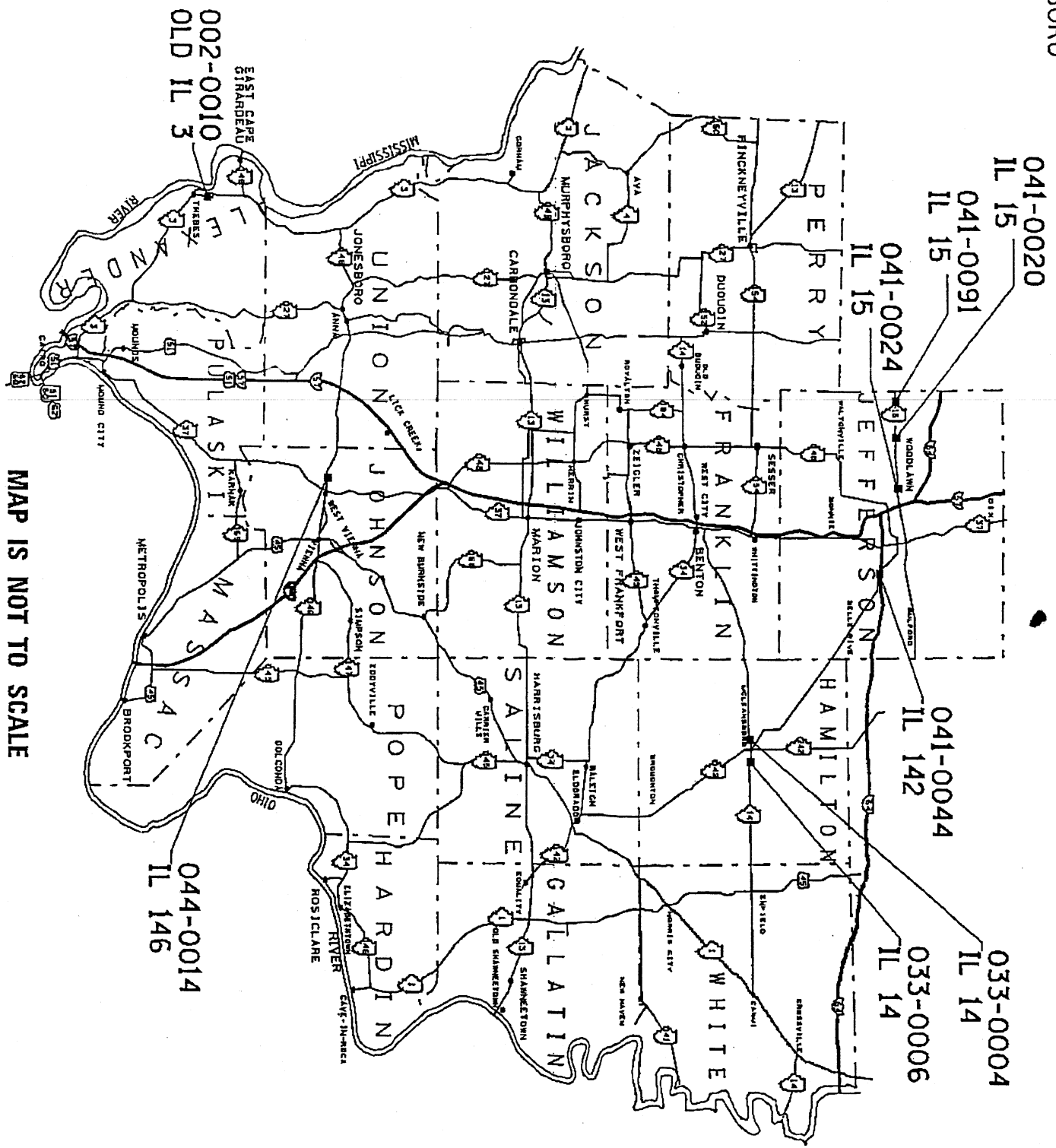


100%
11-16-2009
**PROPOSED
 HIGHWAY PLANS**

VARIOUS ROUTES
 SECTION D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES

C-99-035-09

TOWNSHIPS:
 THEBES
 MCLEANSBORO
 CASNER
 SHILOH
 DODDS
 ELVIRA



PROJECT ENGINEER: DENNIS HILLEBRENNER 549-2171 CENTREX 782-4554
 SQUAD LEADER: RICHARD BRASEL

JULIE 1-800-892-0123

MAP IS NOT TO SCALE
 FOR SIGNATURE SHEET, SEE SHEET NO. 2
 FOR INDEX OF SHEETS, SEE SHEET NO. 3
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5
CONTRACT NO. 78114

0100-0010

002-0010

SUMMARY OF QUANTITIES

*VARIOUS
COUNTIES*

				RURAL								
				100% STATE								
				CONSTRUCTION TYPE CODE: SFTY-2A								
				COUNTY	ALEXANDER	HAMILTON		JEFFERSON				JOHNSON
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	002-0010	033-0004	033-0006	041-0020	041-0024	041-0044	041-0091	044-0014	
20300100	CHANNEL EXCAVATION	CU YD	327		135		192					
28100207	STONE RIPRAP, CLASS A4	TON	324					324				
28100209	STONE RIPRAP, CLASS A5	TON	3345	887			303		417	263	1475	
28100210	STONE RIP-RAP, CLASS A5 (SPECIAL)	TON	548			548						
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	205		205							
28200200	FILTER FABRIC	SQ. YD	4390	865		585	318	413	444	276	1489	
67100100	MOBILIZATION	L. SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L. SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	

VARIOUS ROUTES
 D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES
 CONTRACT NO. 78114
 SHEET 5 OF 23

VARIOUS ROUTES
D9 SCOUR REPAIR 2009-1
VARIOUS COUNTIES
CONTRACT NO. 78114
SHEET 6 OF 23

002-0010

Old Illinois Rte. 3
Miller Creek
Inventory HS 11.7
Operating HS 18.9
Load Restrictions
Single Unit: 15 Tons
Combination 3S-1: 20 Tons
Combination 3S-2: 20 Tons

041-0020

Illinois Rte. 15
Elk Horn Creek
Inventory HS 26.3
Operating HS 39.1

041-0091

Illinois Rte. 15
Stream
Inventory HS 21.2
Operating HS 35.4

033-0004

Illinois Rte. 14
Bear Creek
Inventory HS 14.8
Operating HS 25.2

041-0024

Illinois Rte. 15
Big Muddy Overflow
Inventory HS 29.6
Operating HS 49.3

044-0014

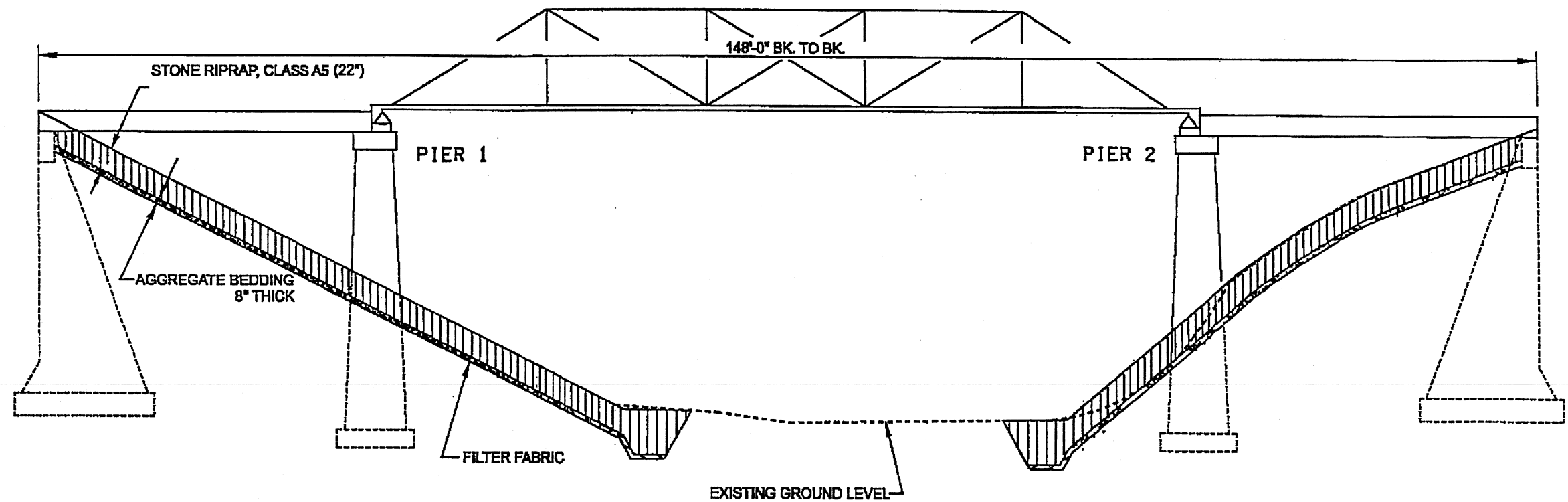
Illinois Rte. 146
Cache River
Inventory HS 16.4
Operating HS 26.7

033-0006

Illinois Rte. 14
Lakey Creek
Inventory HS 27.4
Operating HS 44.3

041-0044

Illinois Rte. 142
Dodds Creek
Inventory HS 15.9
Operating HS 31.4



ELEVATION

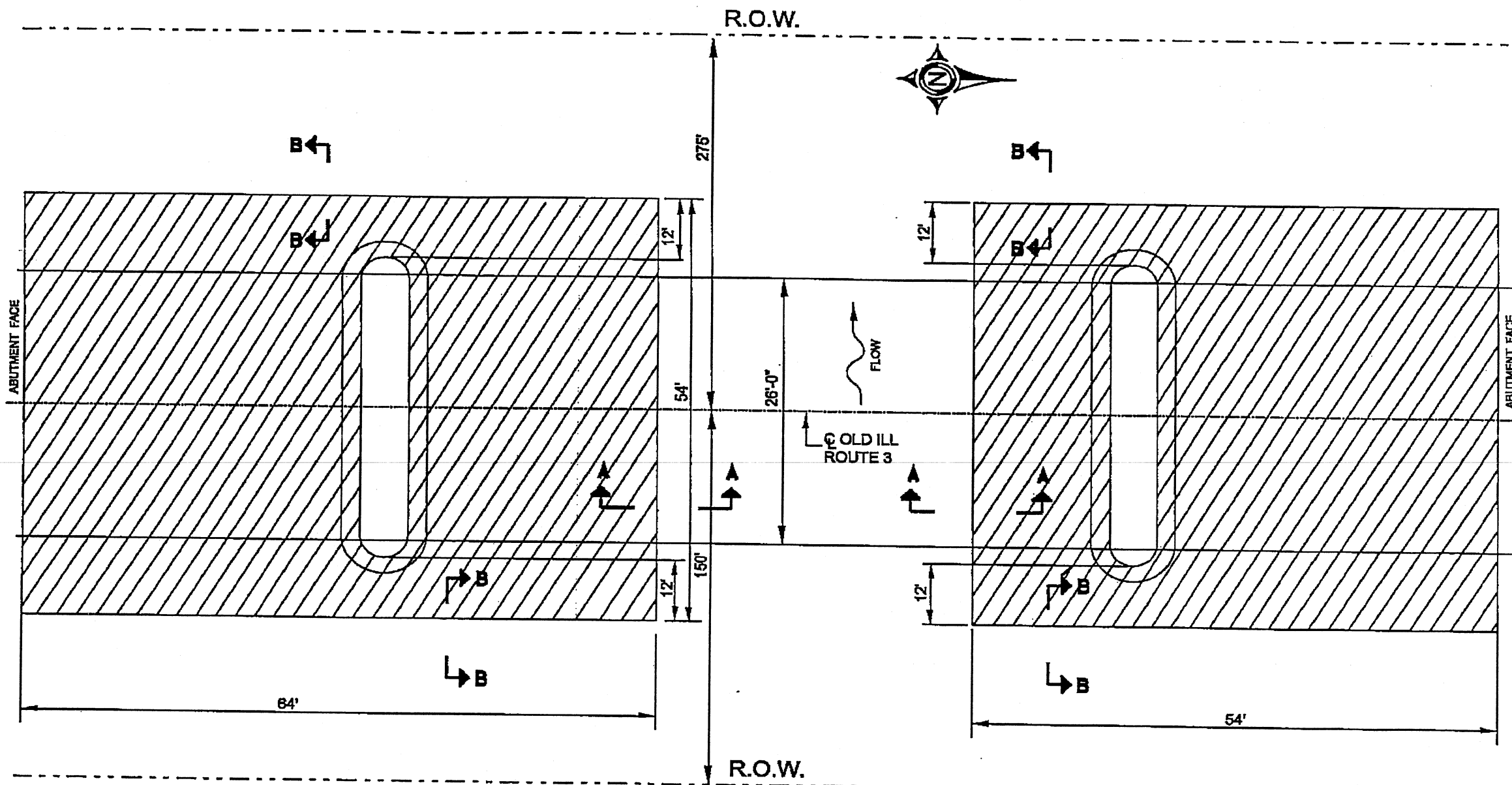
BILL OF MATERIAL	
FILTER FABRIC	865 SQ. YDS.
RIPRAP CLASS A4	887 TON

NOTES:

SEE SHEET 23 OF 23 FOR TOE DETAILS.
 EXCAVATION FOR TOE AT PIER 2 REQUIRES EXCAVATION IN ROCK.

VARIOUS ROUTES
 D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES
 CONTRACT NO. 78114
 SHEET 7 OF 23

S/N 002-0010



PLAN VIEW

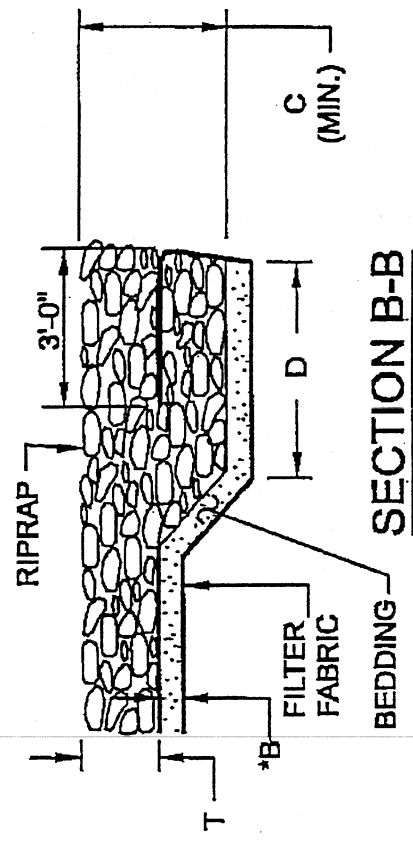

 FILTER FABRIC
 AGGREGATE BEDDING (8")
 STONE RIPRAP, CLASS A5 (22")

S/N 002-0010

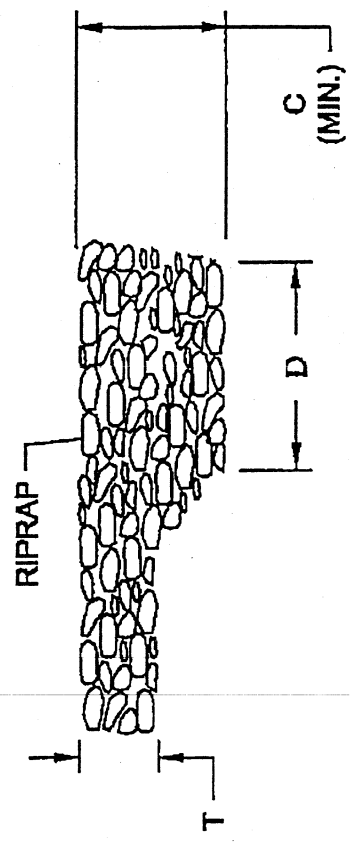
VARIOUS ROUTES
 D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES
 CONTRACT NO. 78114
 SHEET 8 OF 23

VARIOUS ROUTES
 D9 SCOUR REPAIR 2009-1
 VARIOUS COUNTIES
 CONTRACT NO. 78114
 SHEET 23 OF 23

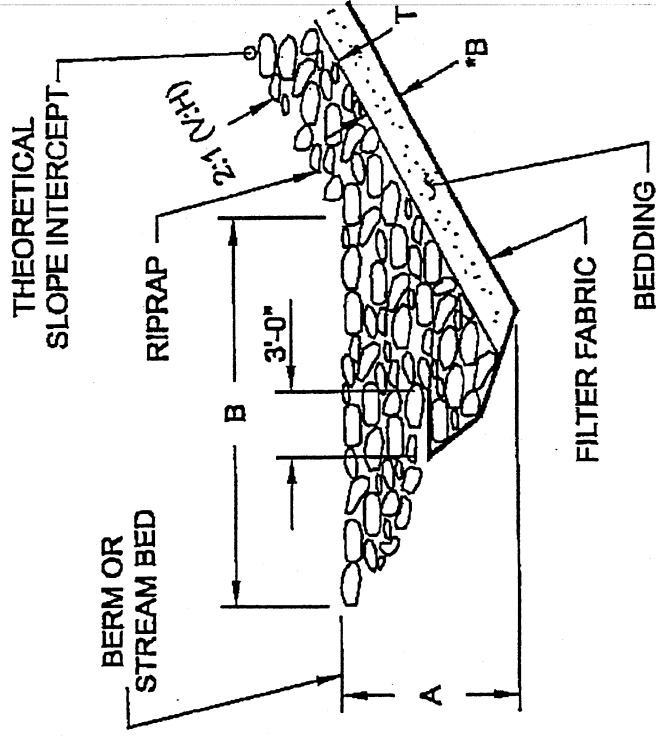
RIPRAP CLASS A	T	*B	C	D
RR4	16"	6"	2'-8"	4'-0"
RR5	22"	8"	3'-8"	5'-6"
RR6	26"	10"	4'-4"	6'-6"
RR7	30"	12"	5'-0"	7'-6"



SECTION B-B



SECTION D-D



SECTION A-A

RIPRAP CLASS A	T	*B	A	B
RR4	16"	6"	4'	8'
RR5	22"	8"	5'	10'
RR6	26"	10"	6'	12'
RR7	30"	12"	7'	14'

STONE RIPRAP - TYPICAL DETAILS

INDEX OF SHEETS

SHEET NO. DESCRIPTION

- 1 TITLE, SIGNATURES, INDEX OF SHEETS, STANDARDS,
- 2 SUMMARY OF QUANTITIES,
- 3 ELEVATION, GENERAL NOTES, BILL OF MATERIAL
- 4 TRUSS REPAIRS
- 5 APPROACH REPAIRS

STANDARDS

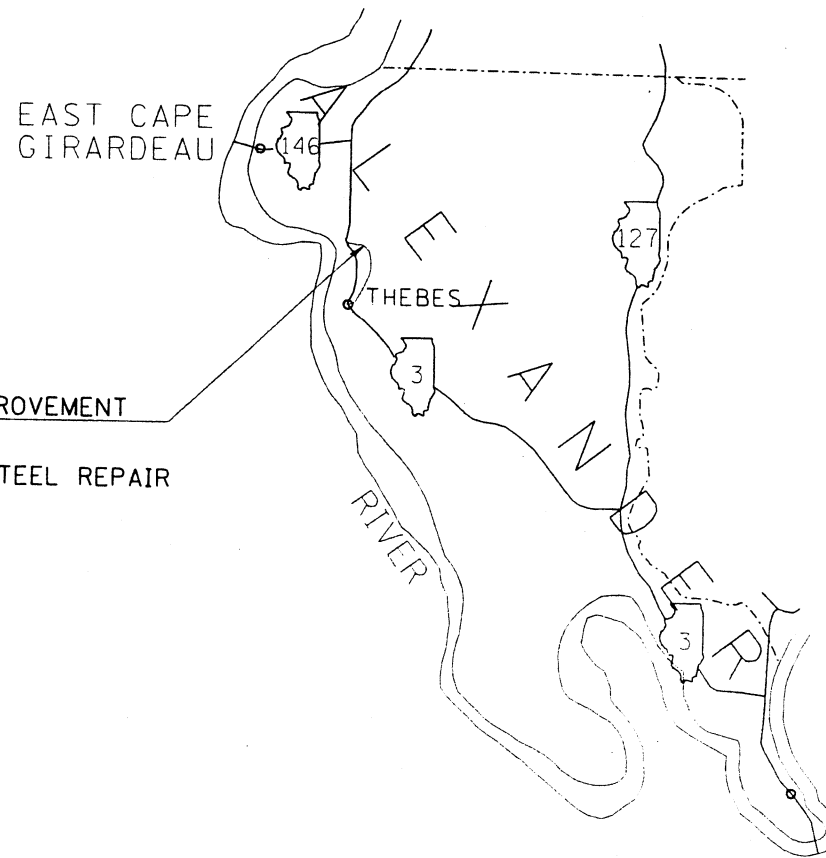
B.L.R . 21-6
702001

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PROPOSED
HIGHWAY PLANS**

**SBI ROUTE 150 (OLD ILL 3)
BRIDGE REPAIRS
ALEXANDER COUNTY
DAY LABOR CONTRACT 06G903**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OLD 13	BRIDGE REPAIRS	ALEXANDER	5	1



PROPOSED IMPROVEMENT
SN 002-0010
STRUCTURAL STEEL REPAIR

SN: 002-0010
THEBES TOWNSHIP
ADT = 175
INVENTORY RATING HS 11.2
OPERATING RATING HS 18.9

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 or www.julie1call.com

DAY LABOR CONTRACT NO. 06G903

002-0010

MAP NOT TO SCALE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

1802L

002-0010

(618) 549-2171
CENTREX 782-4554

PROJECT ENGINEER: LARRY L. PICHE
SOILS LEADER: RITA GAUTNEY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 06G903

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OLD 13	.	ALEXANDER	5	2
FED. ROAD DIST. NO. 7		ILLINOIS		

• BRIDGE REPAIRS

SUMMARY OF QUANTITIES

CODE NO	ITEM DESCRIPTION	UNIT	QUANTITY
50102400	CONCRETE REMOVAL	CU. YD.	0.2
50300255	CONCRETE SUPERSTRUCTURE	CU. YD.	5.6
50501130	STRUCTURAL STEEL REPAIR	POUND	540
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	330
67100100	MOBILIZATION	L. SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION STANDARD BLR 21	L. SUM	1
X7015050 X7015000	PORTABLE CHANGEABLE MESSAGE SIGN	EACH CAL. MO.	2 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PREPARED BY *John Amthor*
DISTRICT OPERATIONS ENGINEER

EXAMINED BY *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

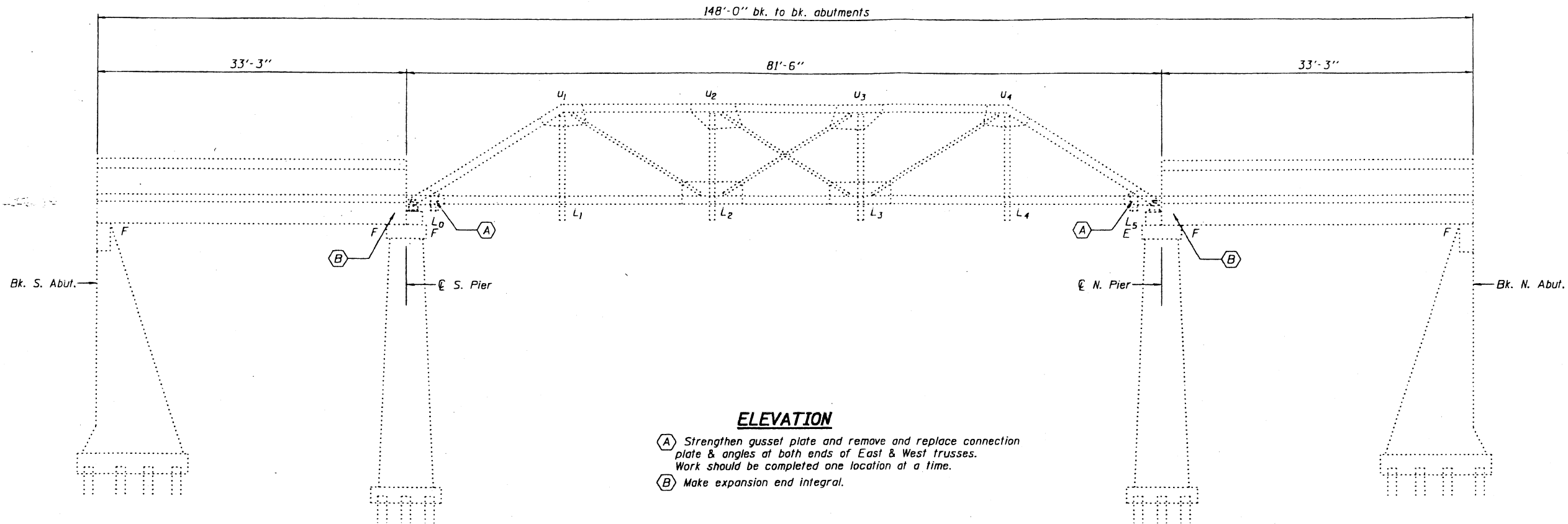
EXAMINED BY *Danny L. Oyster*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

APPROVED *Sept 9* 20 *05*
May Kanner
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	NO.	SHEET NO. 1
13	W	ALEXANDER	5	3	3 SHEETS
FED. ROAD DIST. NO. 1	AL. PRIOR	FED. AID PROJECT			

Contract Number:
BRIDGE REPAIRS



ELEVATION

- (A) Strengthen gusset plate and remove and replace connection plate & angles at both ends of East & West trusses. Work should be completed one location at a time.
- (B) Make expansion end integral.

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

GENERAL NOTES

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

Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{13}{16}$ " ϕ , unless otherwise noted.

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.

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".

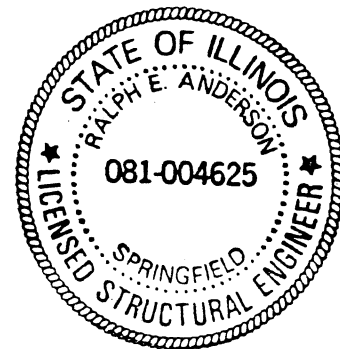
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Furnishing and Erecting Structural Steel.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

All construction joints shall be bonded.
Structure to be closed to traffic during repairs.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	540
Concrete Removal	Cu. Yd.	0.2
Concrete Superstructure	Cu Yd.	5.6
Reinforcement Bars, Epoxy Coated	Pound	330



EXPIRES 11-30-2006

DESIGNED	Mike Treglo	DATE	June 14, 2005
CHECKED	Paul J. John	EXAMINED	John A. Morris
DRAWN	baliva	PASSED	Ralph E. Anderson
CHECKED	MST PSJ		

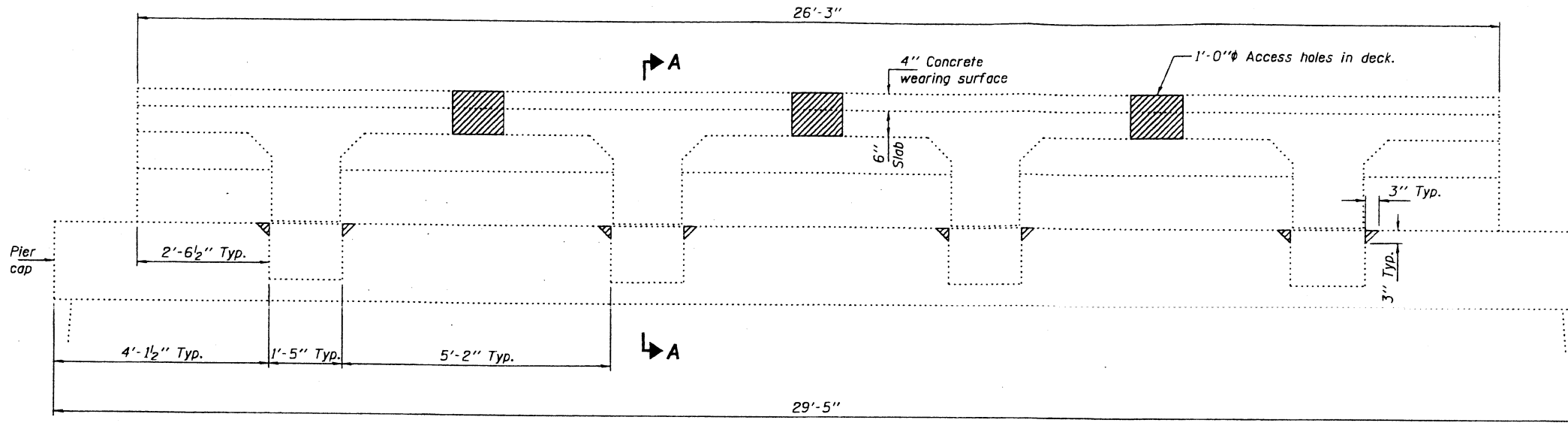
ELEVATION
SBI 150 OVER MILLER CREEK
ALEXANDER COUNTY
SN 002-0010

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

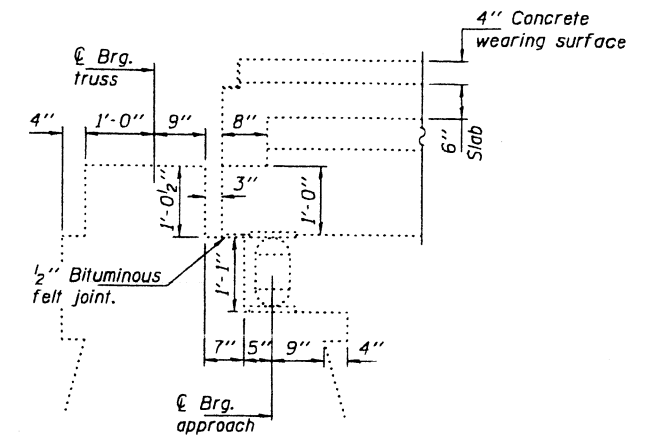
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
013	*	ALEXANDER	5	4
FED. ROAD DIST. NO. 7		FED. ROAD PROJECT		SHEET NO. 2 3 SHEETS

Contract Number:

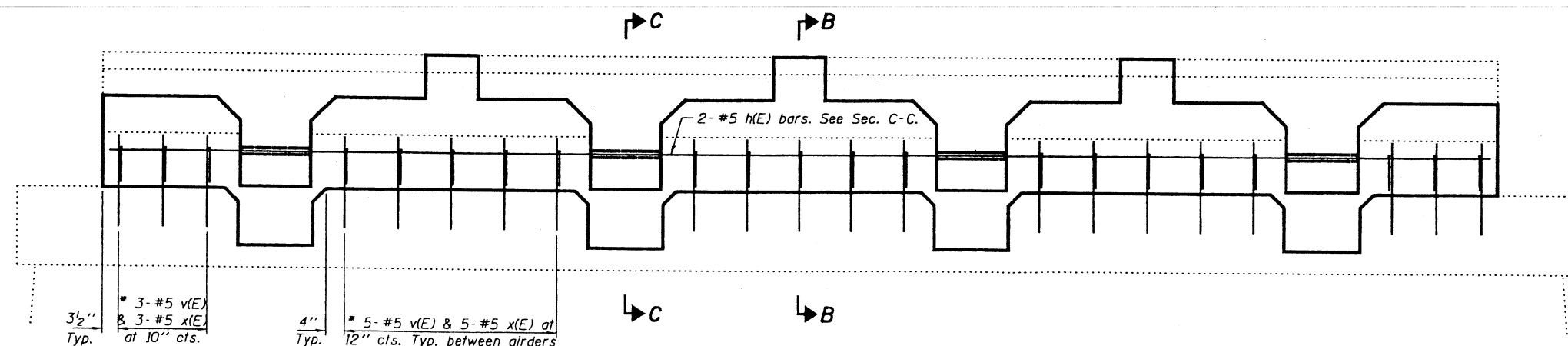
* BRIDGE REPAIRS



EXISTING CROSS SECTION
(Showing removal)
Hatched areas indicate concrete removal

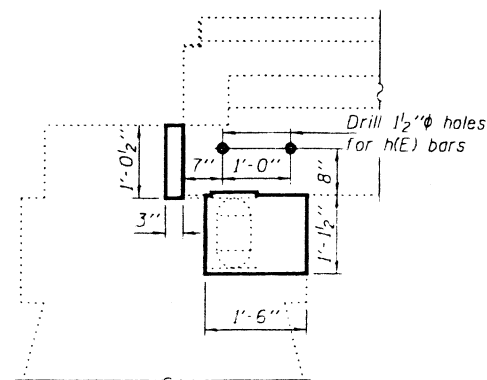


SECTION A-A
(South or North Pier)

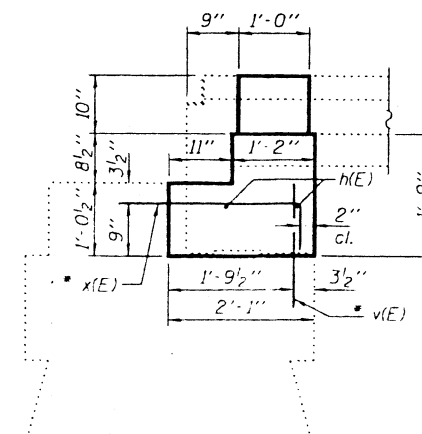


PROPOSED CROSS SECTION

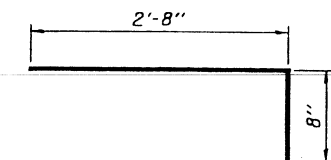
* Epoxy grout v(E) & x(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



SECTION C-C
(South or North Pier)



SECTION B-B
(South or North Pier)



BAR x(E)

The Contractor shall use extreme care during concrete removal so as not to damage the beams.
Existing reinforcement 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 shall be included with Concrete Removal.

BILL OF MATERIAL
2 APPROACHES

Bar	No.	Size	Length	Shape
h(E)	4	#5	25'-11"	—
v(E)	42	#5	1'-9"	—
x(E)	42	#5	3'-4"	└
Concrete Removal			Cu. Yd.	0.2
Concrete Superstructure			Cu. Yd.	5.6
Reinforcement Bars, Epoxy Coated			Lbs.	330

Reinforcement bars designated (E) shall be epoxy coated.

APPROACH REPAIRS
SBI 150 OVER MILLER CREEK
ALEXANDER COUNTY
SN 002-0010

DESIGNED	MJT
CHECKED	PSJ
DRAWN	baliva
CHECKED	MJT PSJ

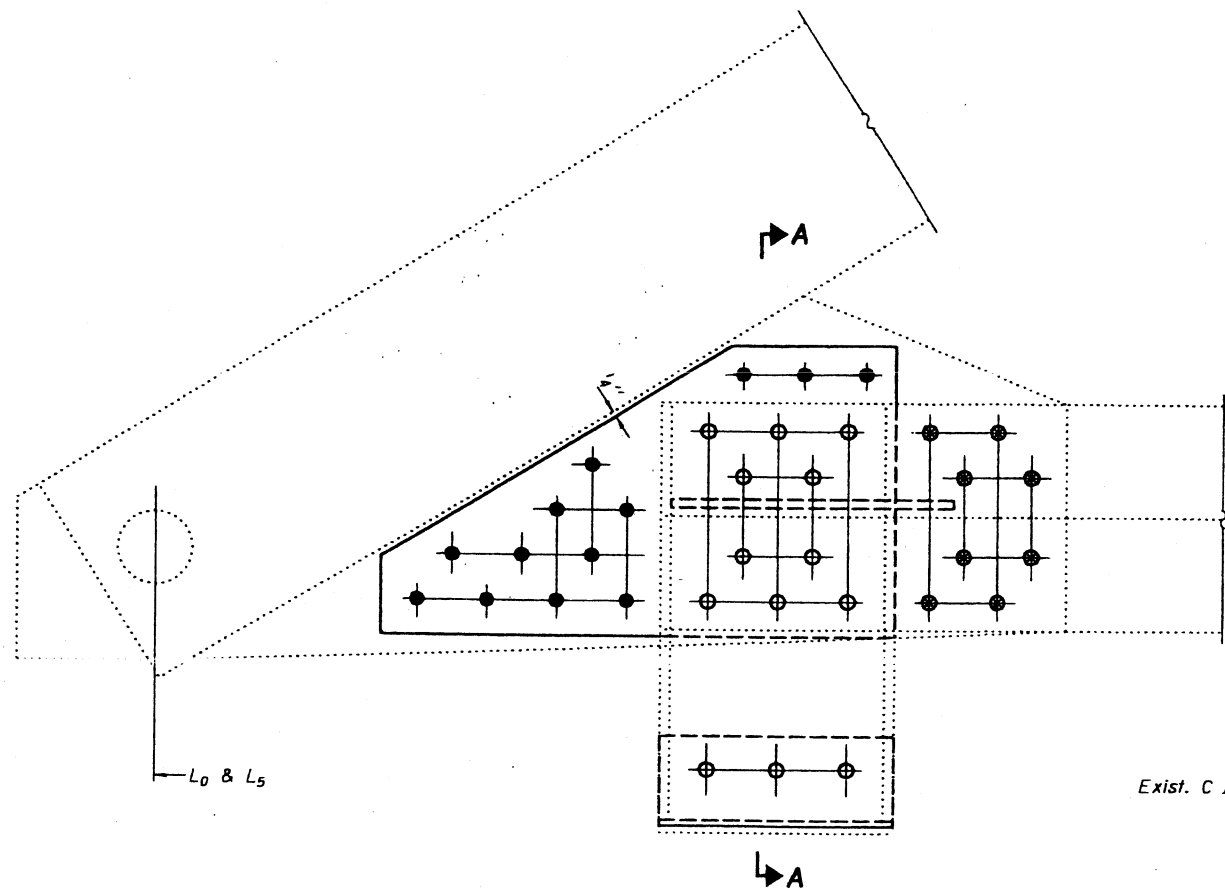
JUNE 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

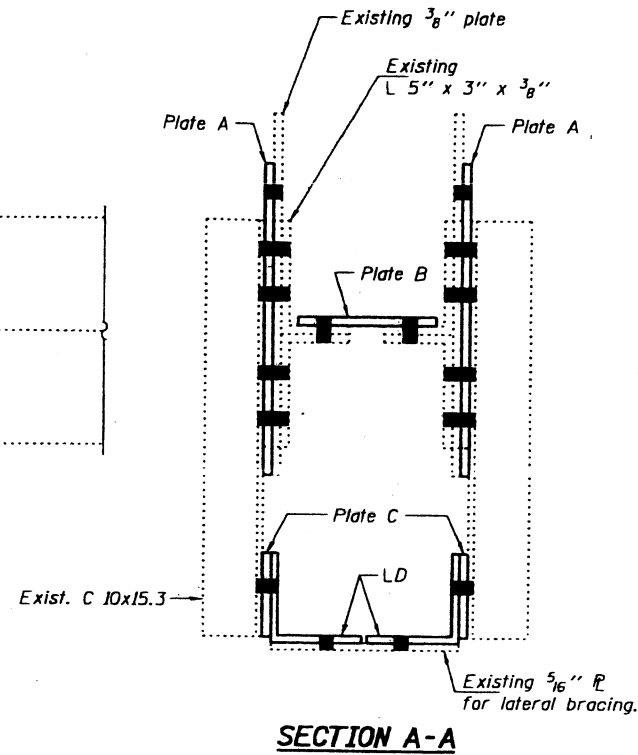
ROUTE NO.	SECTION	DRAWN	SHEETS	SHEET	SHEET NO.
OLD 13	*	ALEXANDER	5	5	3 SHEETS

Contract Number:

*BRIDGE REPAIRS



REPAIR A
(4 Locations)



SECTION A-A

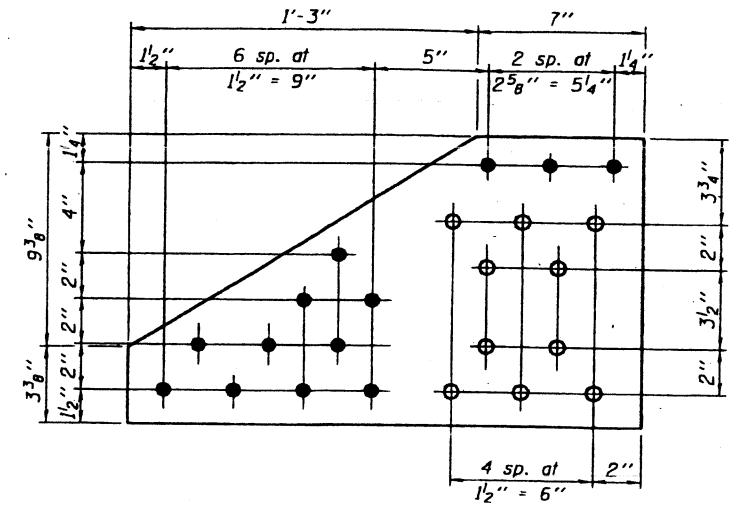


PLATE A
3/8" x 1'-0 3/4" x 1'-10"
(8 required)

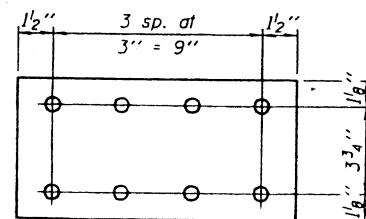


PLATE B
3/8" x 6" x 1'-0"
(4 required)

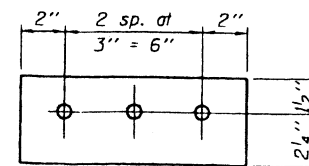
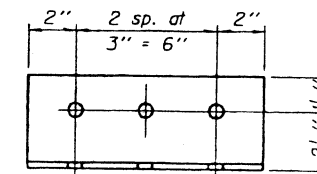
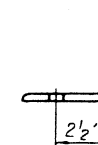


PLATE C
3/8" x 3-3/4" x 10"
(8 required)



ANGLE D
4" x 4" x 5/16"
(8 required)



- Notes:
- Replace all existing 3/4" rivets & bolts with new 3/4" HS bolts.
 - ⊗ Remove existing rivet and replace with new 3/4" HS bolt. Work to be done 1 rivet at a time. (Perform this repair first).
 - Verify location in existing members before drilling holes in repair plate/angle.
 - Use shop drilled hole in repair plate as a template to field drill holes in existing member.

Rivets not removed, as evidenced by Photos 5, 6 & 12
TRUSS REPAIRS
from 4/15/04 Damage Inspection. SBI 150 OVER MILLER CREEK
ALEXANDER COUNTY
SN 002-0010

DESIGNED	MJT
CHECKED	PSJ
DRAWN	baliva
CHECKED	MJT PSJ

JUNE 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF CIVIL/STRUCTURAL SERVICES
PASSED *Ralph E. Carlson*
SUPERVISOR OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	SHEETS	TOTAL SHEETS	SHEET NO.
S.B.I. 150		ALEXANDER		5 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts. Bolts 3/4" φ, open holes 13/16" φ, unless otherwise noted.

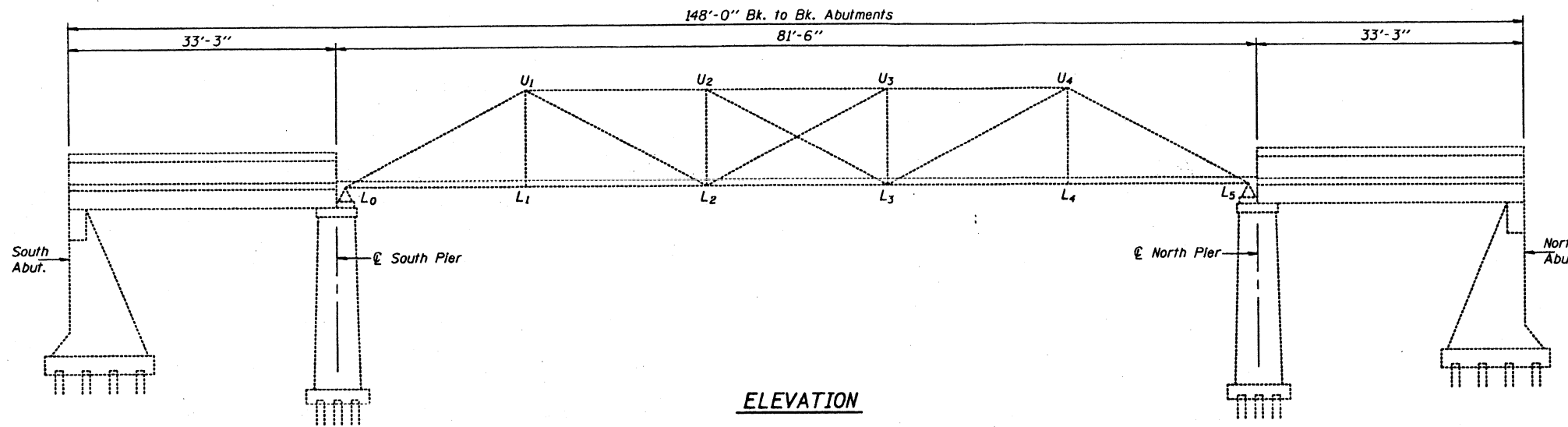
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction 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.

Existing Structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Adjacent Areas of Existing Steel Structures".

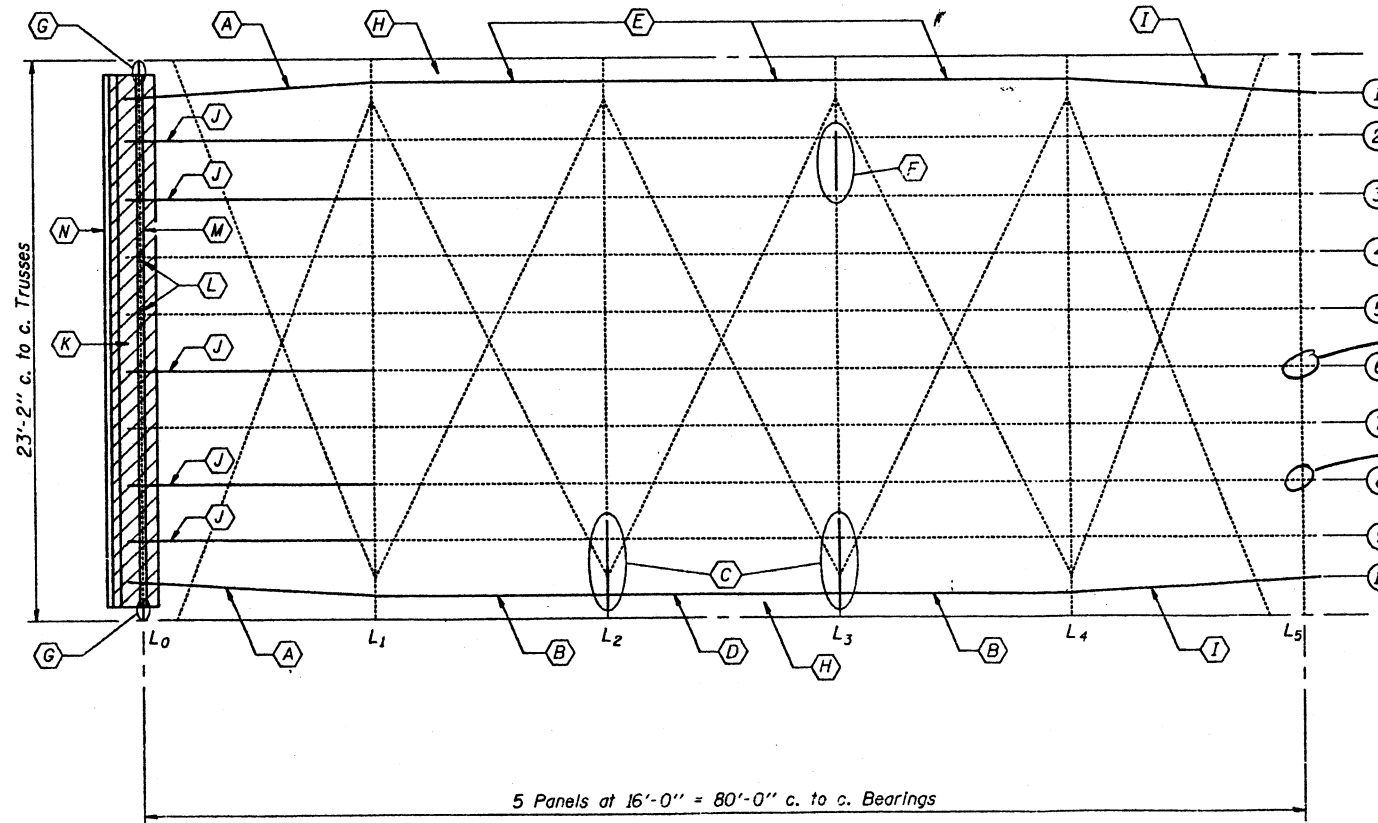
The inorganic zinc rich primer/acrylic/acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".

The Contractor shall provide support and/or shoring systems for the slab and stringers in the area of existing stringer removal and at other locations as required in order to maintain the "as-built" deck profile. The support and/or shoring systems shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure. See Special Provisions.

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



ELEVATION



FRAMING PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	9,170
Floor Drains	Each	10
Temporary Support System	L.S.	1
Concrete Removal	Sq. Yd.	1.0
Concrete Superstructure	Sq. Yd.	1.0
Reinforcement Bars, Epoxy Coated	Pound	80
Deck Slab Repair (Partial Depth)	Sq. Yd.	36
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	330

Crk @ Bottom of web 1/2" from Bottom Flange 8" Long, 1" x 4" tube @ end
11/15/12 per Donald Tempinson
Assume d stringer didn't exist for load Rating. FB still controlled

- Notes: (A) (B) (D) (E) & (I) Remove and Replace Stringer and Clip Angles connecting to Floor Beams.
(C) Add Plates to Floor Beam
(F) Add Angles to Bottom Flange of Floor Beam
(G) Add Plates to Bolster Assembly
(H) Remove and Replace Existing Deck Drains
(J) Remove & Replace Stringer
(K) Remove & Replace end of deck
(L) Jack & shim stringers tight against deck. (Cost included with Furnishing & Erecting Structural Steel)
(M) Remove & Replace Bearing Channels.
(N) Remove & Replace Joint Angle & Plate.

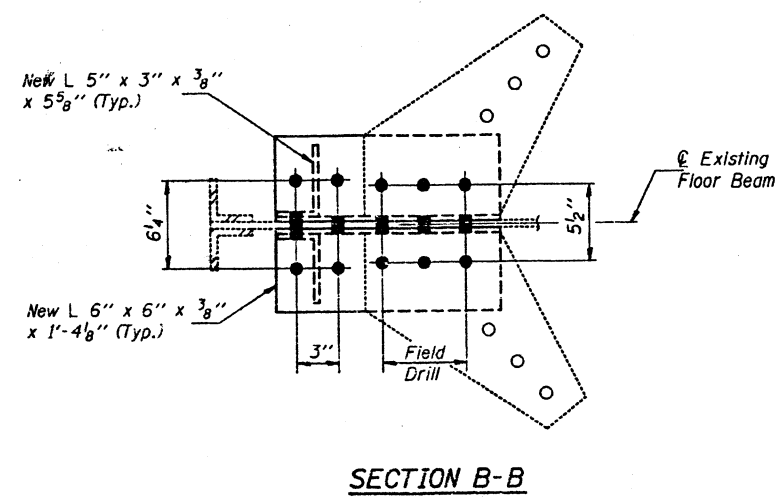
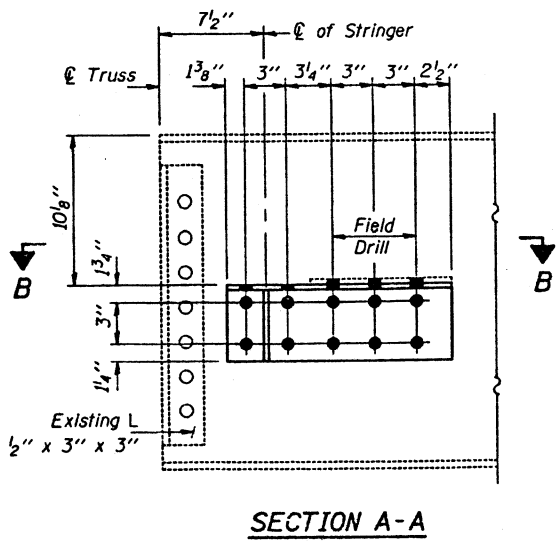
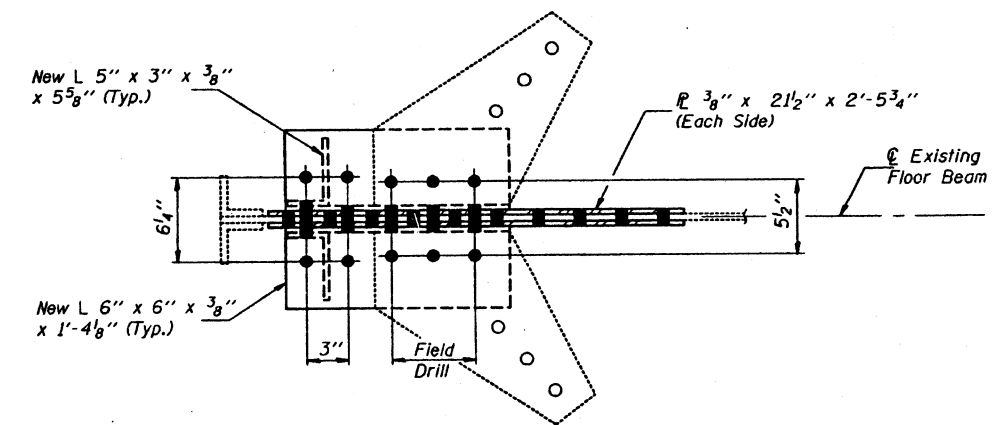
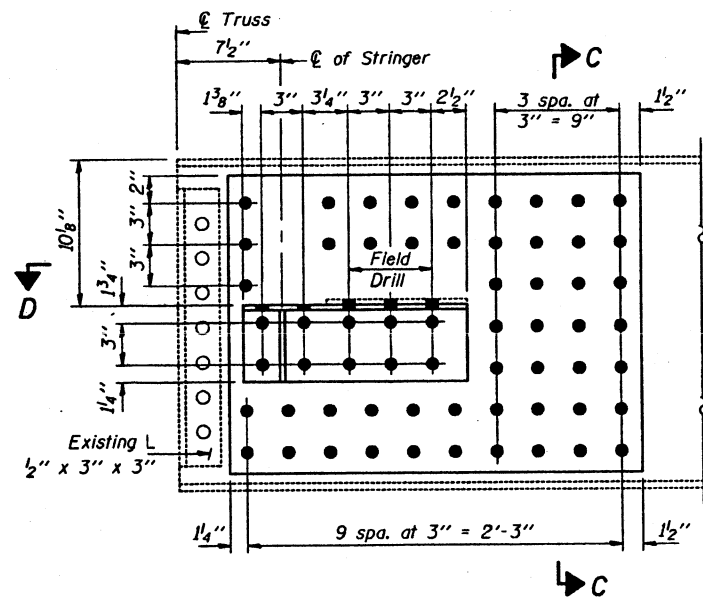
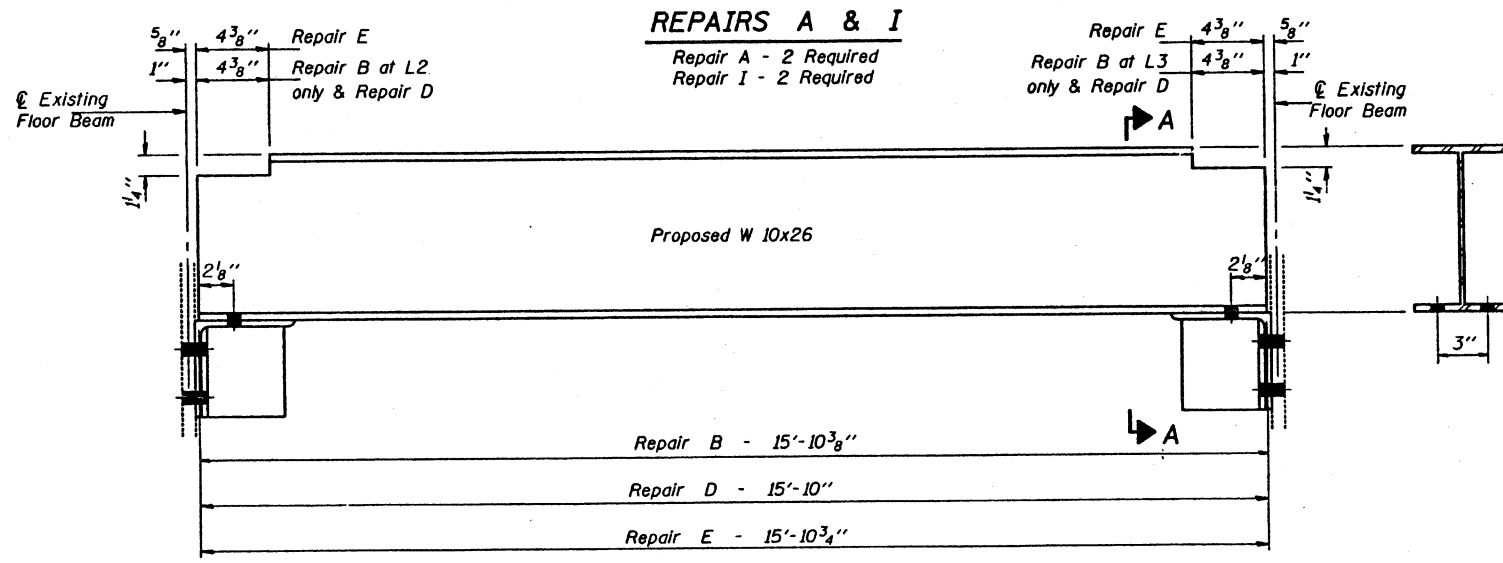
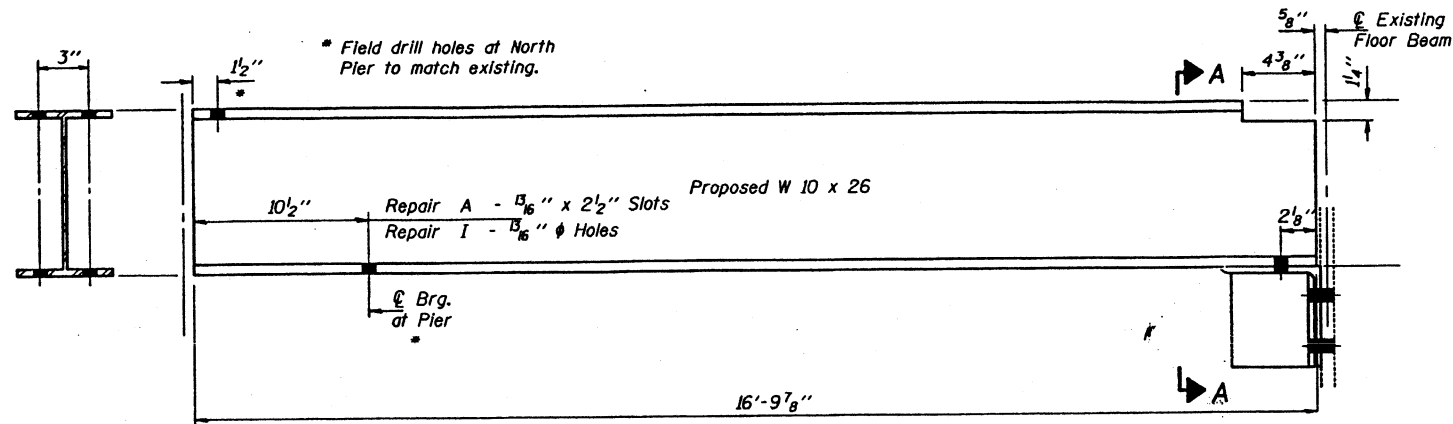
DESIGNED *Nicholas J. Smith*
CHECKED *Victor H. Veliz*
DRAWN *r.b. carbonell*
CHECKED *MSJ VHV*

MARCH 16, 2000
EXAMINED *John A. Morris*
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

**BRIDGE REPAIRS
OVER MILLER CREEK
S.B.I. RTE. 150 SEC. 133 B
ALEXANDER COUNTY
S.N. 002-0010**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	DISTRICT	COUNTY	SECTION	SHEET
S.B.I. 150		ALEXANDER		5 SHEETS
FILE NO. DIST. FILE	ALIAS	FILE NO. PROJECT		

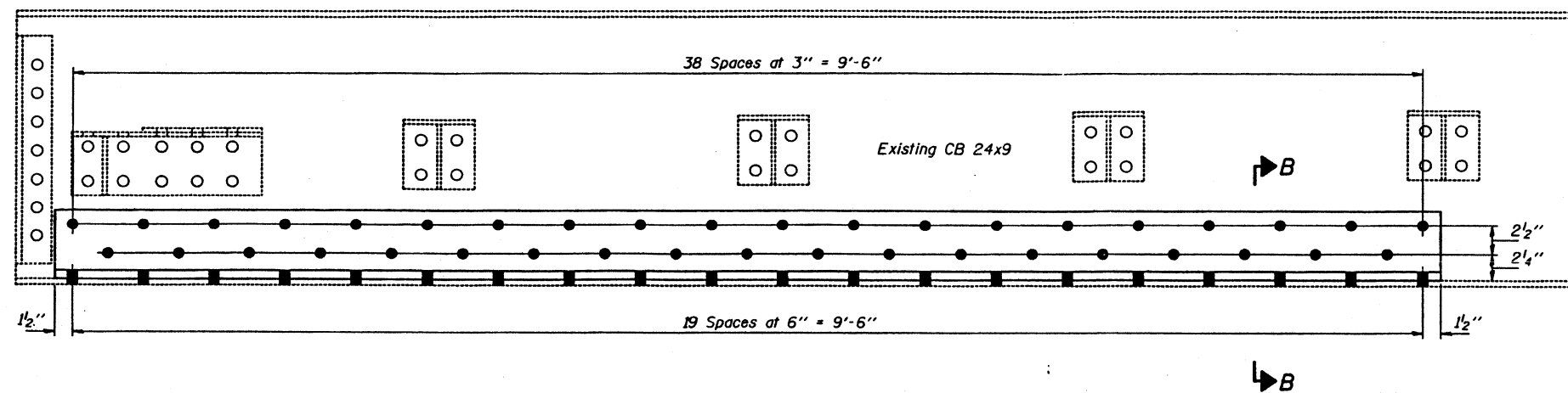


DESIGNED	N.J.S.	MARCH 16, 2000
CHECKED	V.H.V.	EXAMINED <i>John A. Moris</i> ENGINEER OF STRUCTURAL SERVICES
DRAWN	r.b. carbonell	PASSED
CHECKED	N.J.S. V.H.V.	ENGINEER OF BRIDGES AND STRUCTURES

BRIDGE REPAIRS
OVER MILLER CREEK
S.B.I. RTE. 150 SEC. 133 B
ALEXANDER COUNTY
S.N. 002-0010

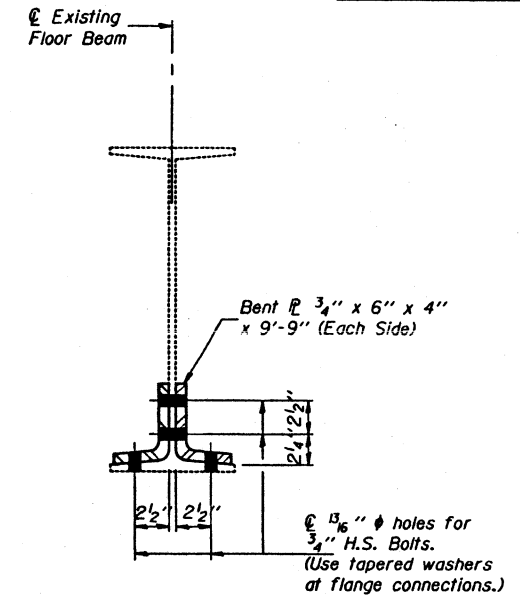
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNT	DATE	SHEET NO.	SHEET NO. 3 5 SHEETS
S.B.I. 100		ALEXANDER			
PROJ. AND DIST. NO.	DESIGNED	PROJECT			

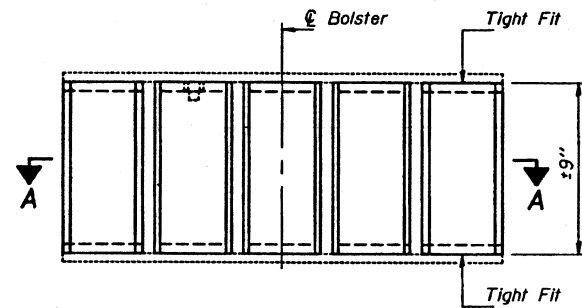


REPAIR F

Required: 2 Bent P's 3/4" x 6" x 4" x 9'-9"

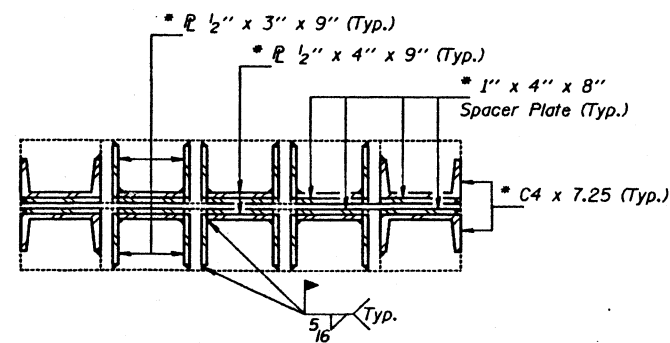


SECTION B-B



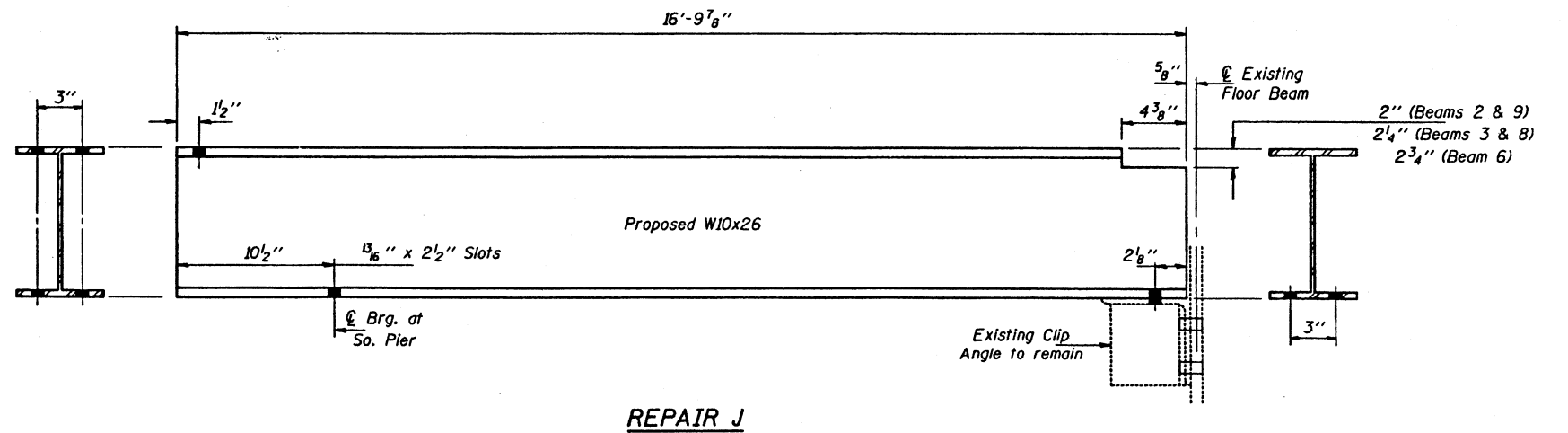
**REPAIR G
BOLSTER RETROFIT**

(No. Required 2)



SECTION A-A

* Contractor should carefully verify in the field that all pieces will fit before ordering material. Plates should be trimmed as necessary for proper fit.



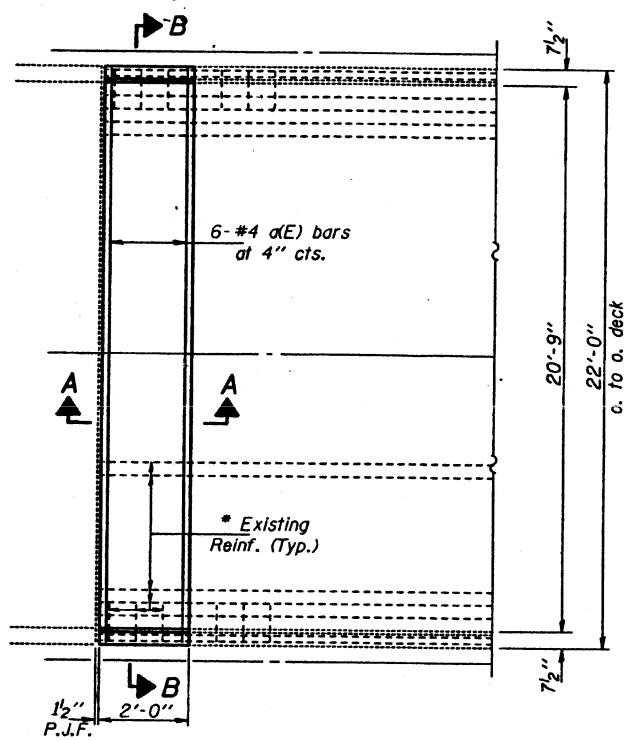
REPAIR J

DESIGNED	N.J.S.	MARCH 16, 2000
CHECKED	V.H.V.	EXAMINED <i>John A. Morris</i>
DRAWN	D-Herbert r.b. carbonell	PASSED
CHECKED	N.J.S. V.H.V.	ENGINEER OF BRIDGES AND STRUCTURES

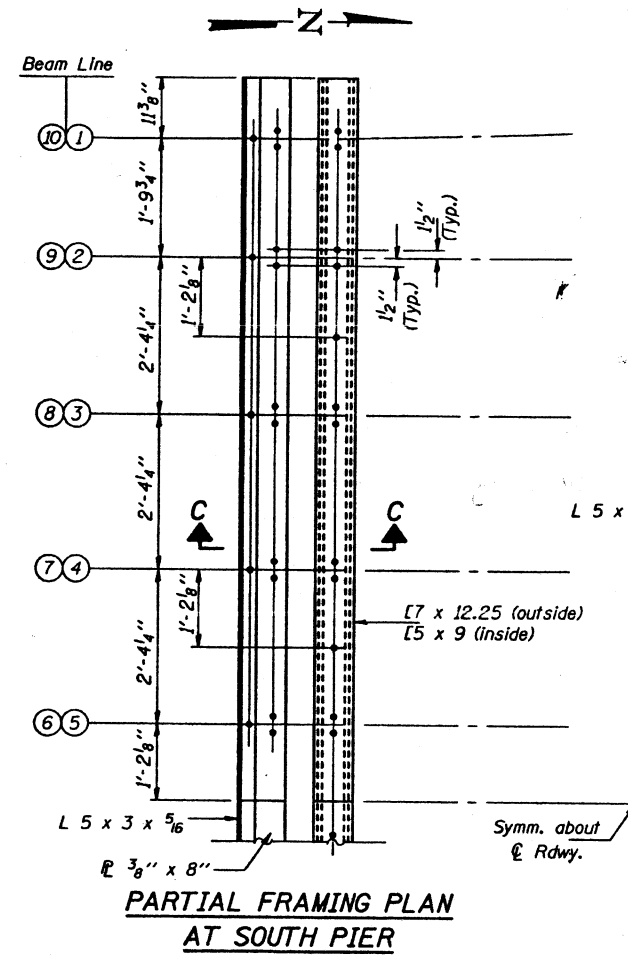
BRIDGE REPAIRS
OVER MILLER CREEK
S.B.I. RTE. 150 SEC. 133 B
ALEXANDER COUNTY
S.N. 002-0010

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
S.B.I. 150		ALEXANDER		5 SHEETS
FILE NO. (SHEET NO.)	DATE	FILE NO. PROJECT		

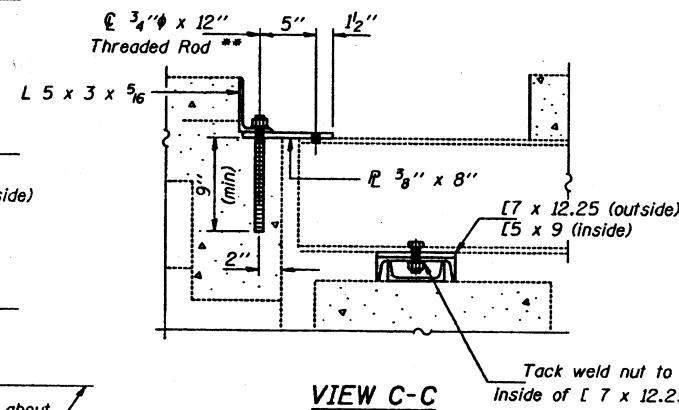


PARTIAL PLAN

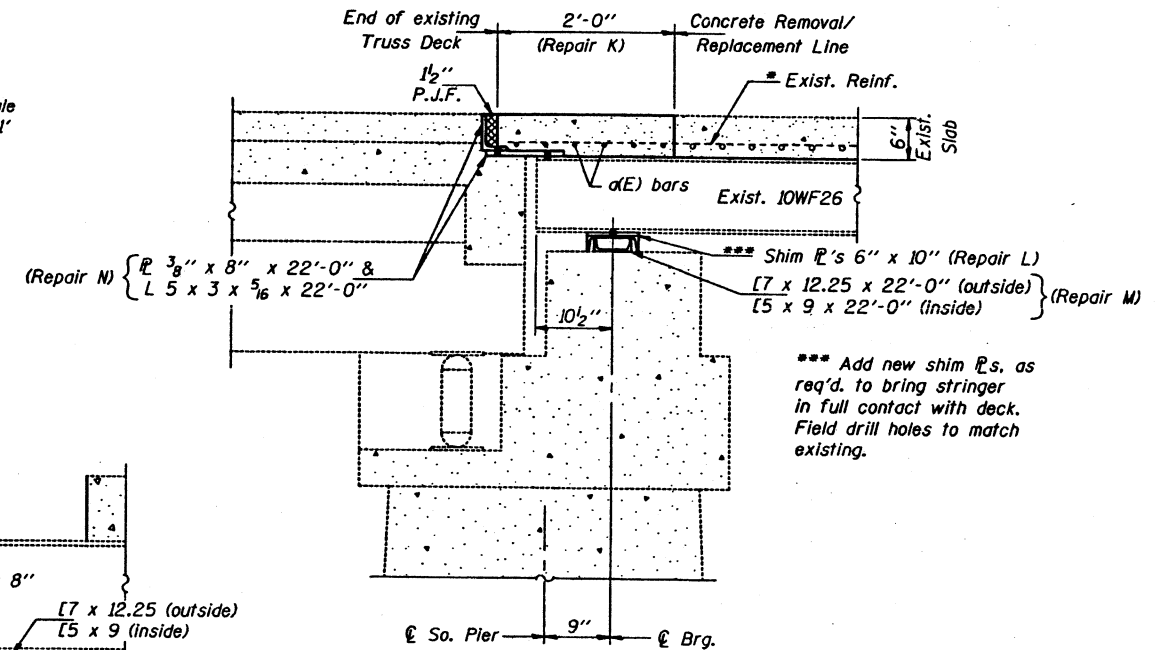


PARTIAL FRAMING PLAN
AT SOUTH PIER

Note: Channels, Joint \bar{r} and angle may be furnished in two 11' sections and field welded at \bar{r} Rdwy.

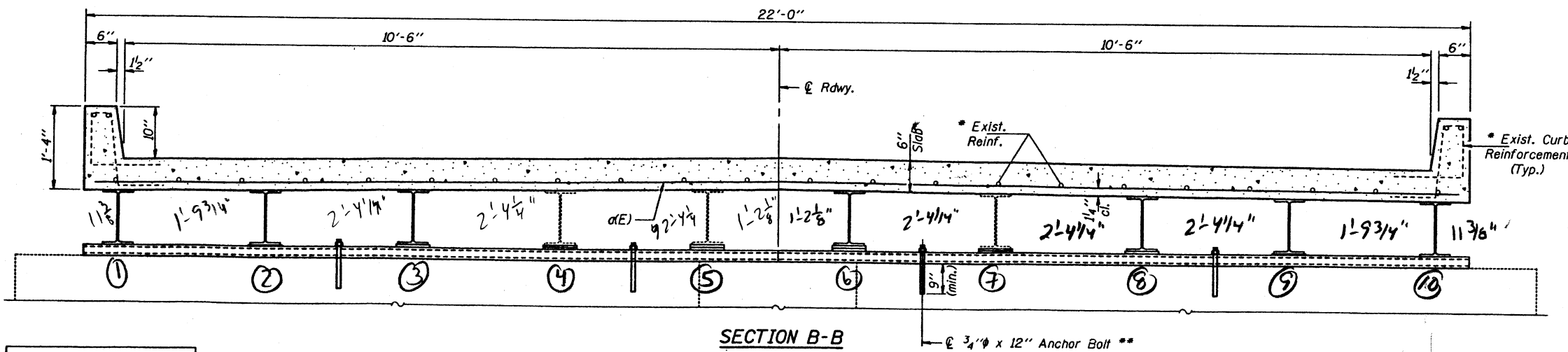


VIEW C-C



SECTION A-A
(REPAIRS K, L, M & N)

* Existing longitudinal bars and curb bars are to be cleaned, straightened, and incorporated into new const. Cost shall be included with Concrete Superstructure.
** Drill & epoxy grout in 1" ϕ x 9" (min.) holes in accordance with Art. 584 of the Std. Specs.



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$\alpha(E)$	6	#4	21'-0"	
Concrete Removal			Cu. Yd.	1.0
Concrete Superstructure			Cu. Yd.	1.0
Reinforcement Bars, Epoxy Coated			Lbs.	80

Reinforcement bars designated (E) shall be epoxy coated.

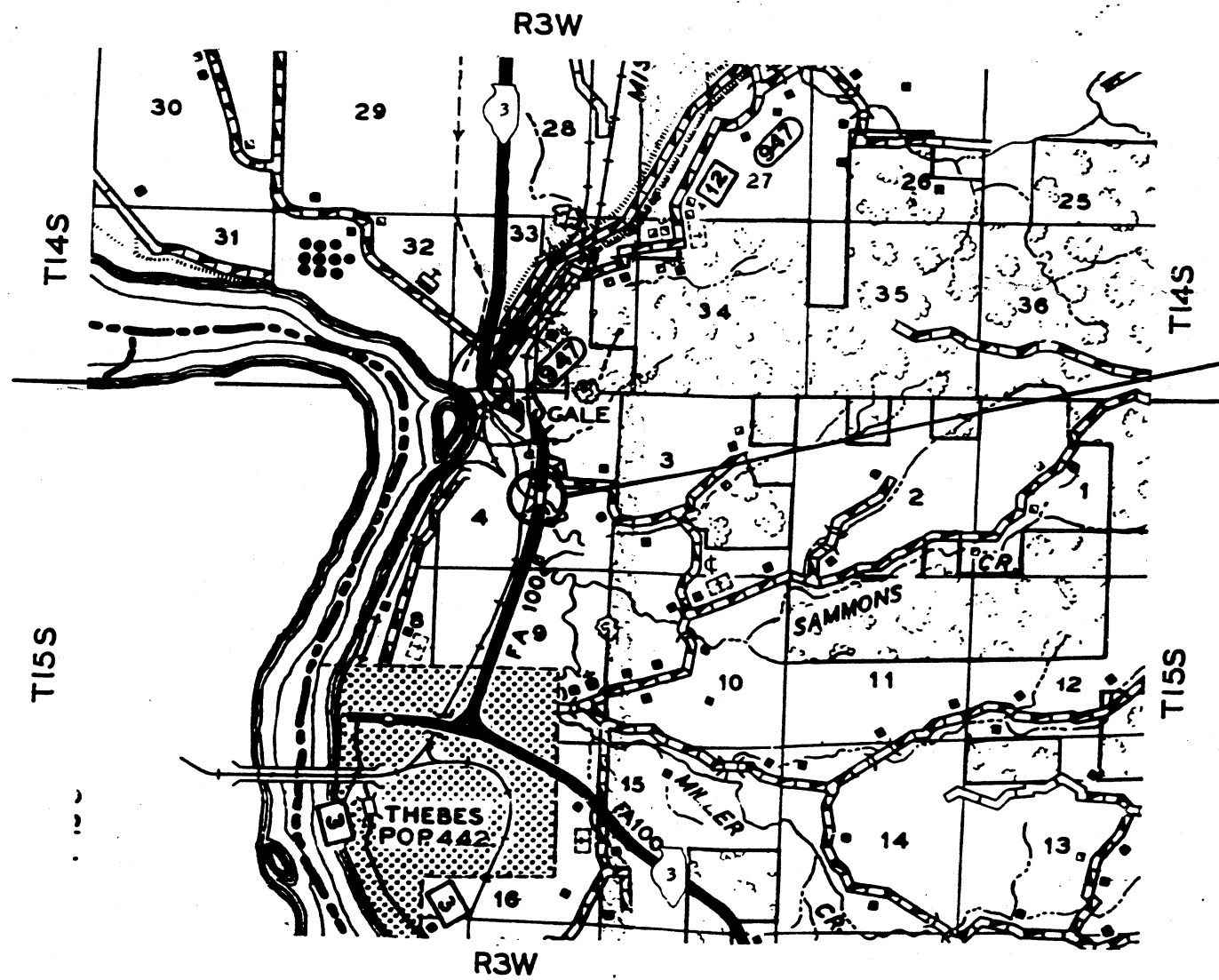
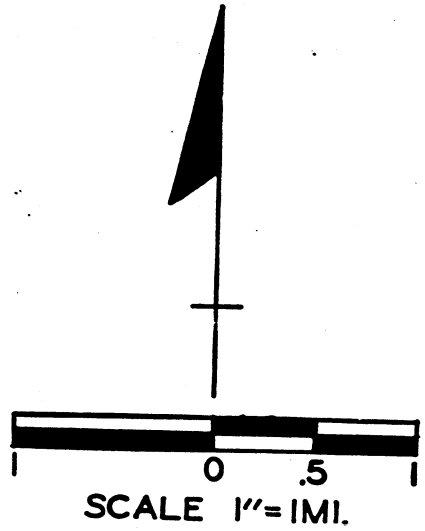
BRIDGE REPAIRS
OVER MILLER CREEK
S.B.I. RTE. 150 SEC. 133 B
ALEXANDER COUNTY
S.N. 002-0010

DESIGNED	N.J.S.	MARCH 16, 2000
CHECKED	V.H.V.	EXAMINED <i>John A. Morris</i> ENGINEER OF STRUCTURAL SERVICES
DRAWN	D-herbert	PASSED
CHECKED	N.J.S. V.H.V.	ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 S.B.I. RTE. 150
 SEC.133 B&C-I-DL
 ALEXANDER COUNTY
 SLT-99-001-75

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	✕	ALEXANDER	5	1
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

✕ SEC.133 B&C-I-DL



LOCATION OF PROPOSED IMPROVEMENT
 (MILLER CREEK)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Jan 21 1975
J. F. Newton
 DISTRICT ENGINEER

EXAMINED _____ 19__
 ENGINEER OF ROAD PLANS AND CONTRACTS

PASSED _____ 19__
 ENGINEER OF DESIGN

APPROVED _____ 19__
 CHIEF HIGHWAY ENGINEER

APPROVED _____ 19__
 DIRECTOR

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	5	2
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* SEC. 133 B & C - I - DL

GENERAL NOTES

AT ALL LOCATIONS WHERE A HIGH TYPE PAVEMENT JOINS AN EXISTING HIGH TYPE PAVEMENT A SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT SHALL BE INCIDENTAL TO THE TYPE OF PAVEMENT BEING CONSTRUCTED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, SUMMARY OF QUANTITIES
3-4	PLAN DETAILS
5	PROFILE OF SOUTH APPROACH
	STANDARD 2230-9
	STANDARD 2231-3
	STANDARD 2298-4
	STANDARD 2299-5
	STANDARD 2300-1
	STANDARD 2302-3
	STANDARD 2306-4
	STANDARD 2309-3

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
CONCRETE WEARING SURFACE REMOVAL	SQ. YD.	72.5
CONCRETE WEARING SURFACE	CU. YD.	10.1
CONCRETE REMOVAL (PARTIAL DEPTH)	CU. YD.	1.0
CONCRETE PATCHING (PARTIAL DEPTH)	CU. YD.	1.0
CONCRETE REMOVAL	CU. YD.	.3
CLASS X CONCRETE	CU. YD.	.3
REINFORCEMENT BARS	POUND	100
ALUMINUM FLOOR DRAINS 4"X6"X24"	EACH	12
ASPHALT REMOVAL	SQ. YD.	28
BITUMINOUS CONCRETE SURFACE COURSE, CLASS I	TON	15
GUARDRAIL REMOVAL	LIN. FT.	150
STEEL PLATE BEAM GUARDRAIL, SINGLE RAIL	LIN. FT.	300
TERMINAL END SECTION	EACH	4
TRAFFIC CONTROL - STANDARD 2309	EACH	1

PREPARED BY Harry D. Day
DISTRICT DESIGN ENGINEER

EXAMINED BY Carl L. Witt
DIST. MAINTENANCE ENGINEER

EXAMINED BY A. E. Zelis
DIST. TRAFFIC ENGINEER

EXAMINED BY P. J. McAnnik
DIST. MATERIALS ENGINEER

EXAMINED BY F. J. Mays
DIST. LAND ACQ. ENGINEER

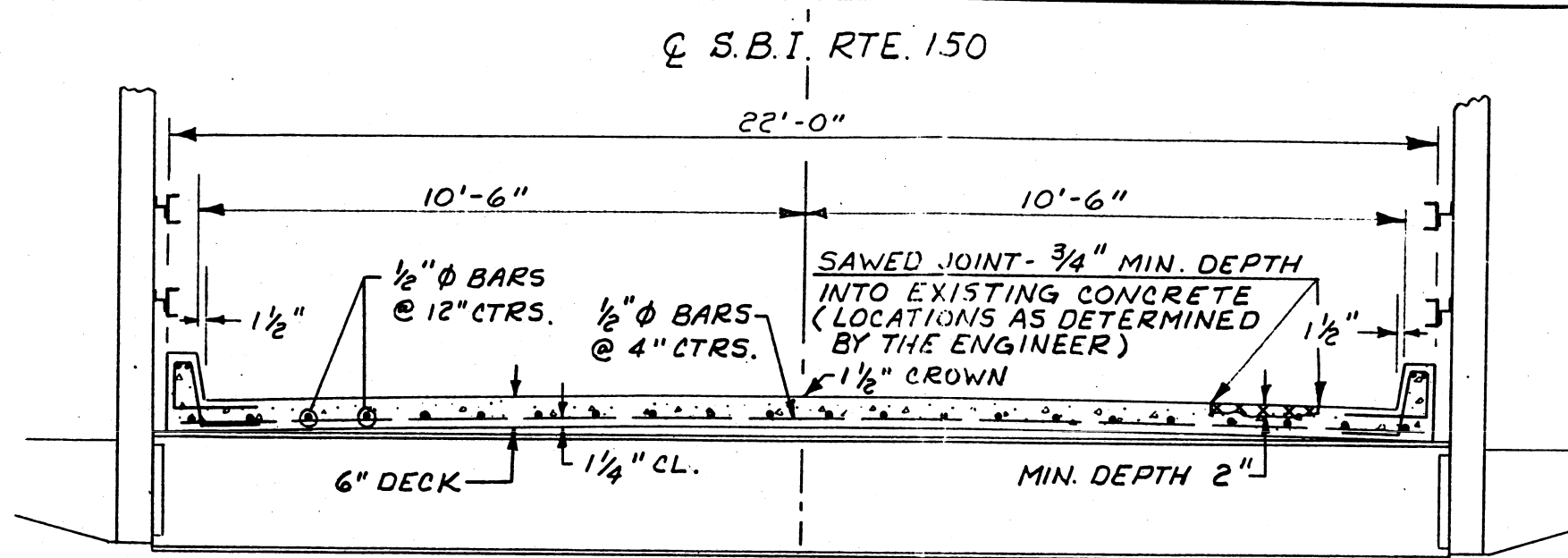
EXAMINED BY R. D. Wiley (Acting)
DIST. CONST. ENGINEER

J. F. Newton
DISTRICT ENGINEER

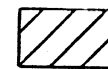


Jan. 21, 1975
DATE

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	5	3
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* SEC. 133 B & C - I - DL



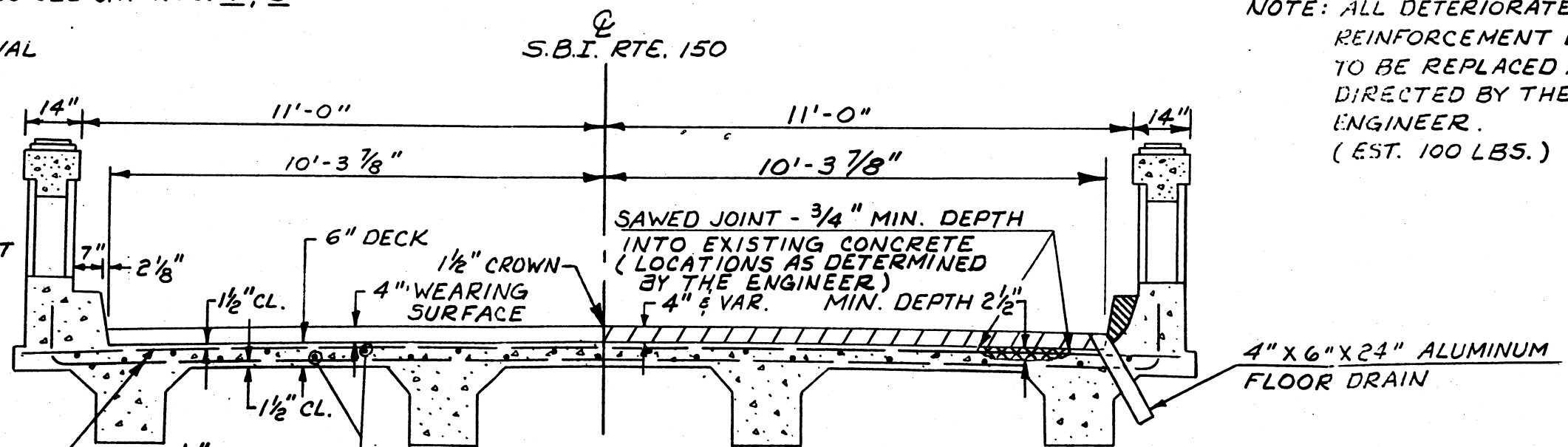
LEGEND

-  INDICATES CONCRETE WEARING SURFACE REMOVAL & REPLACEMENT FOR LIMITS & THICKNESS SEE SHT. NOS. 4 & 5
-  INDICATES CONC. REMOVAL AND CONC. PATCHING (PARTIAL DEPTH) EST. 1.0 CU. YD. EACH
-  INDICATES CONCRETE REMOVAL AND CLASS X CONCRETE REPLACEMENT (CURB REPAIR) EST. .3 CU. YD. EACH

HALF SECTION EXISTING

HALF SECTION PROPOSED

TRUSS



NOTE: ALL DETERIORATED REINFORCEMENT BARS TO BE REPLACED AS DIRECTED BY THE ENGINEER. (EST. 100 LBS.)

1/2" □ BARS @ 6" CTRS. TOP & BOTTOM

1/2" □ BARS @ 24" CTRS. TOP & BOTTOM

APPROACH SPANS

HALF SECTION EXISTING

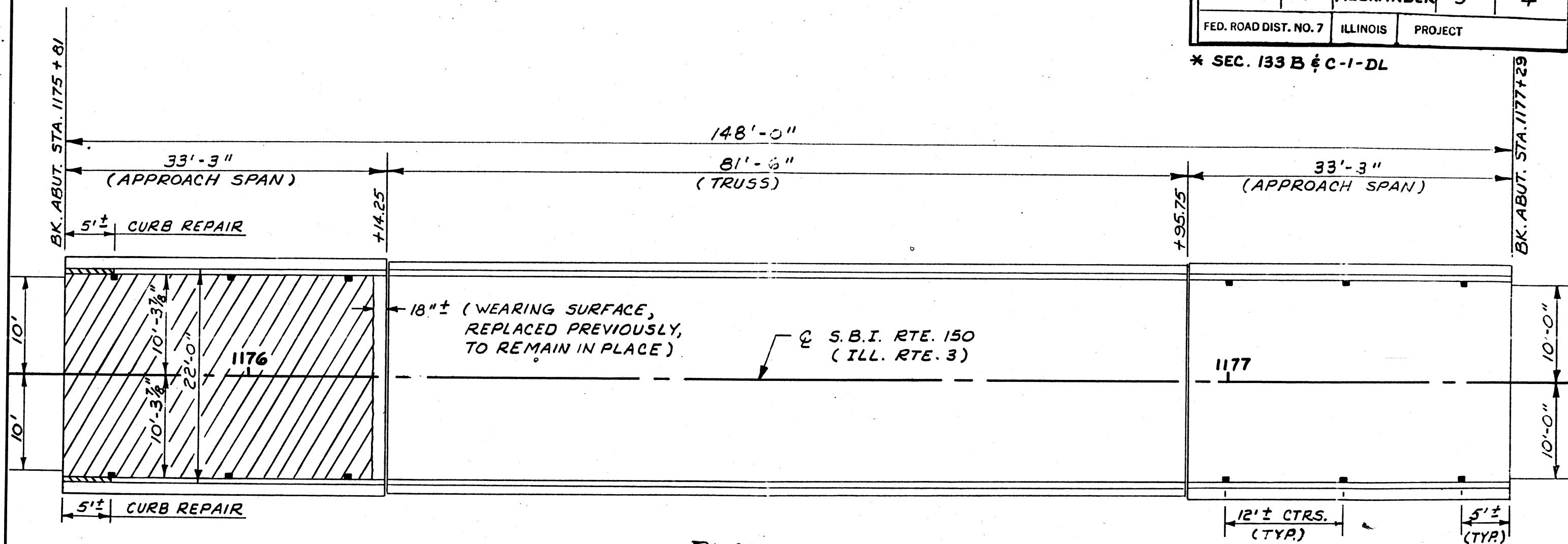
HALF SECTION PROPOSED

STA. 1176 + 55
MILLER CREEK






ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	5	4
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

* SEC. 133 B & C-1-DL



PLAN

LEGEND

-  INDICATES CONCRETE WEARING SURFACE REMOVAL - EST. 72.5 SQ. YDS.
-  CONCRETE WEARING SURFACE EST. 10.1 CU. YDS. (SEE SHT. 5 FOR THICKNESS)
-  INDICATES ALUM. FLOOR DRAINS (12 REQ'D.)

NOTE: ALL EXISTING GUARD RAIL TO BE REMOVED 150 LIN. FT.

STEEL PLATE BEAM GUARD RAIL TO BE INSTALLED AT EACH CORNER (75 LIN. FT. EACH) 300 LIN. FT. REQ'D.

TERMINAL END SECTION 4 EACH

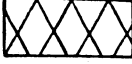
STA. 1176 + 55
MILLER CREEK

PROPOSED PROFILE GRADE
SOUTH APPROACH & APPROACH SPAN


ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	5	5
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

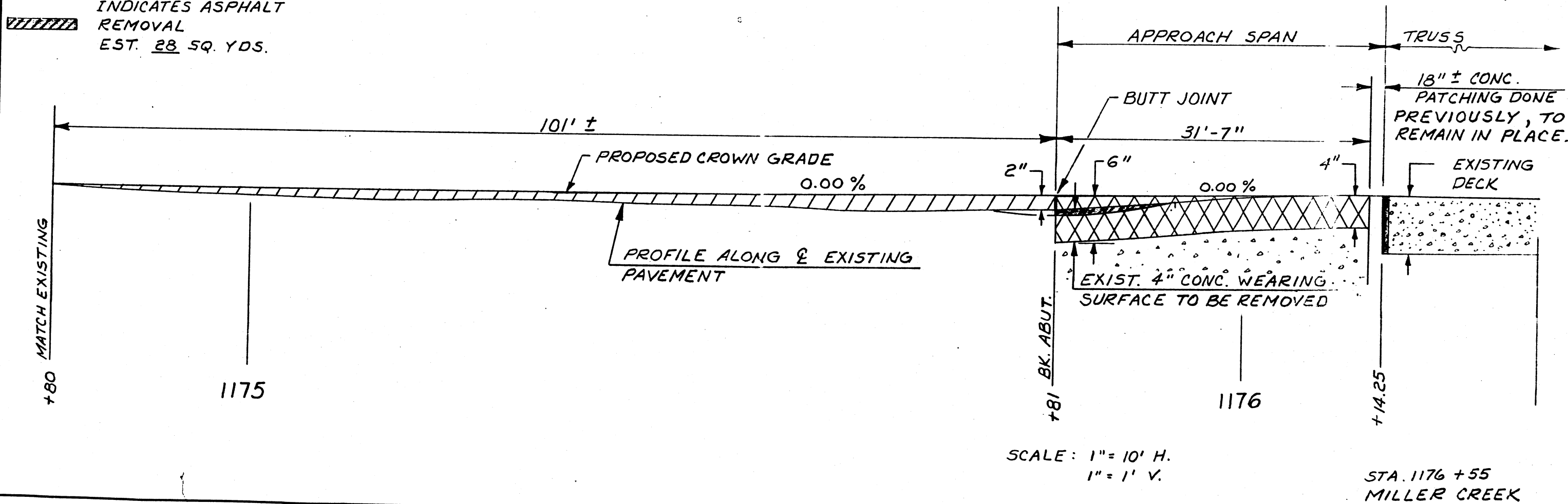
* SEC. 133 B & C-1-DL

LEGEND

 INDICATES CONCRETE WEARING SURFACE REMOVAL AND CONCRETE WEARING SURFACE REPLACEMENT (4" TO 6" THICK.) FOR LIMITS AND EST. QUANTITY SEE SHT. NO. 4.

 INDICATES BITUMINOUS CONCRETE SURFACE COURSE, CLASS I EST. 15.0 TONS

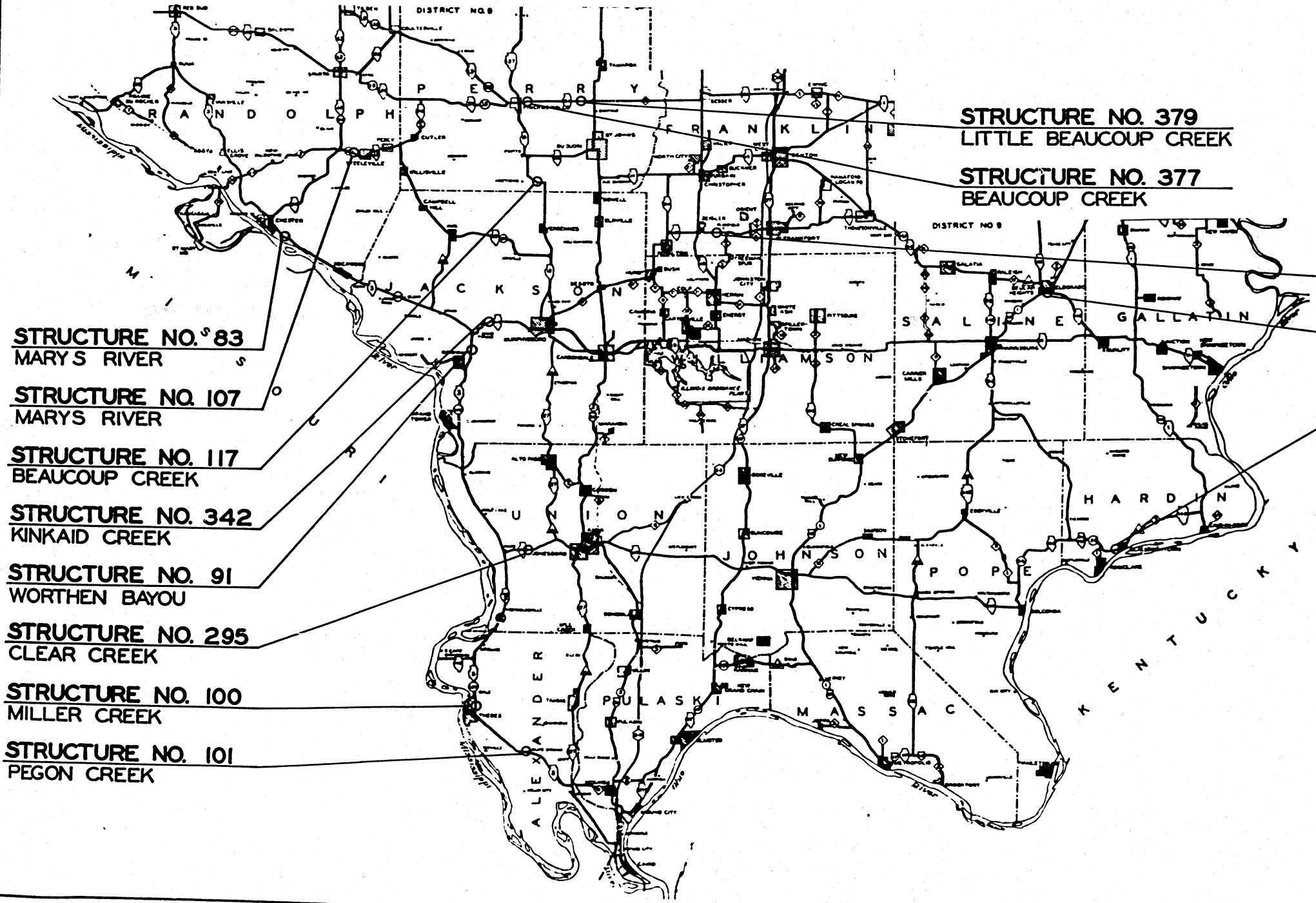
 INDICATES ASPHALT REMOVAL EST. 28 SQ. YDS.



STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
DISTRICT 9
PREFORMED EXPANSION JOINTS
 DL-99-885-00

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
DISTRICT 9				1
PREFORMED EXPANSION JOINTS				
FED ROAD DIST 7	ILLINOIS	PROJECT		

P-99-106-70



- STRUCTURE NO. 83
MARYS RIVER
- STRUCTURE NO. 107
MARYS RIVER
- STRUCTURE NO. 117
BEAUCOUP CREEK
- STRUCTURE NO. 342
KINKAID CREEK
- STRUCTURE NO. 91
WORTHEN BAYOU
- STRUCTURE NO. 295
CLEAR CREEK
- STRUCTURE NO. 100
MILLER CREEK
- STRUCTURE NO. 101
PEGON CREEK

- STRUCTURE NO. 379
LITTLE BEAUCOUP CREEK
- STRUCTURE NO. 377
BEAUCOUP CREEK

- STRUCTURE NO. 349
BIG MUDDY RIVER
- STRUCTURE NO. 278
- STRUCTURE NO. 324
BIG CREEK

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

SUBMITTED APRIL 3 1970

J. F. Newton
 DISTRICT ENGINEER

EXAMINED _____ 19____

ENGINEER OF ROAD PLANS AND CONTRACTS

PASSED _____ 19____

ENGINEER OF DESIGN

APPROVED _____ 19____

CHIEF HIGHWAY ENGINEER

APPROVED _____ 19____

DIRECTOR

REEL 9-67

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
Z102-4	PREFORMED JOINT SEALER	LIN. FT.	770

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, SUMMARY OF QUANTITIES, SCHEDULE OF QUANTITIES
3	STANDARD 2298-1
4	STANDARD 2299-1
5	STANDARD 2300
6	STANDARD 2303-1

SCHEDULE OF QUANTITIES

STRUCTURE MAINT. NO.	MARKED RTE.	CONST. RTE.	CONST. SEC.	COUNTY	NO. OF JOINTS	LENGTH PER JT.	LENGTH PER STRUCTURE
93	ILL. 3	S.B.I. 150	1216C	RANDOLPH	2	24	48
91	ILL. 3	S.B.I. 150	1308Y	JACKSON	2	47	94
100	ILL. 3	S.B.I. 150	133BC	ALEXANDER	1	25	25
101	ILL. 3	S.B.I. 150	135B-1	ALEXANDER	2	49	98
107	ILL. 4	S.B.I. 154	110BC	RANDOLPH	2	24'-6"	49
117	ILL. 13	S.B.I. 13	15BC-0	PERRY	1	24	24
273	ILL. 142	S.B.I. 142	125B-1	SALINE	2	41	82
265	ILL. 146	S.B.I. 146	104DE	UNION	2	24'-6"	49
324	ILL. 146	S.B.I. 34	5BC	HARDIN	2	23	46
342	ILL. 149	S.B.I. 144	1018&C	JACKSON	1	25	25
349	ILL. 149	S.B.I. 149	105BC	FRANKLIN	3	24'-4"	73
377	ILL. 154	S.B.I. 154	108B-1	PERRY	3	41	123
379	ILL. 154	S.B.I. 154	108BY	PERRY	1	34	34
TOTAL							770

PREPARED BY: Harry D. Key
 DISTRICT DESIGN ENGINEER

EXAMINED BY: P. H. Miller
 DISTRICT MAINTENANCE ENGINEER

EXAMINED BY: A. E. Gubala
 DISTRICT TRAFFIC ENGINEER

EXAMINED BY: R. M. Crowl
 DISTRICT MATERIAL ENGINEER

EXAMINED BY: F. S. Maxwell
 DISTRICT RIGHT OF WAY ENGINEER

EXAMINED BY: Arnold Kuznetsov
 DISTRICT CONSTRUCTION ENGINEER

APPROVED BY: J. F. Newton
 DISTRICT ENGINEER

DATE: APRIL 3, 1970

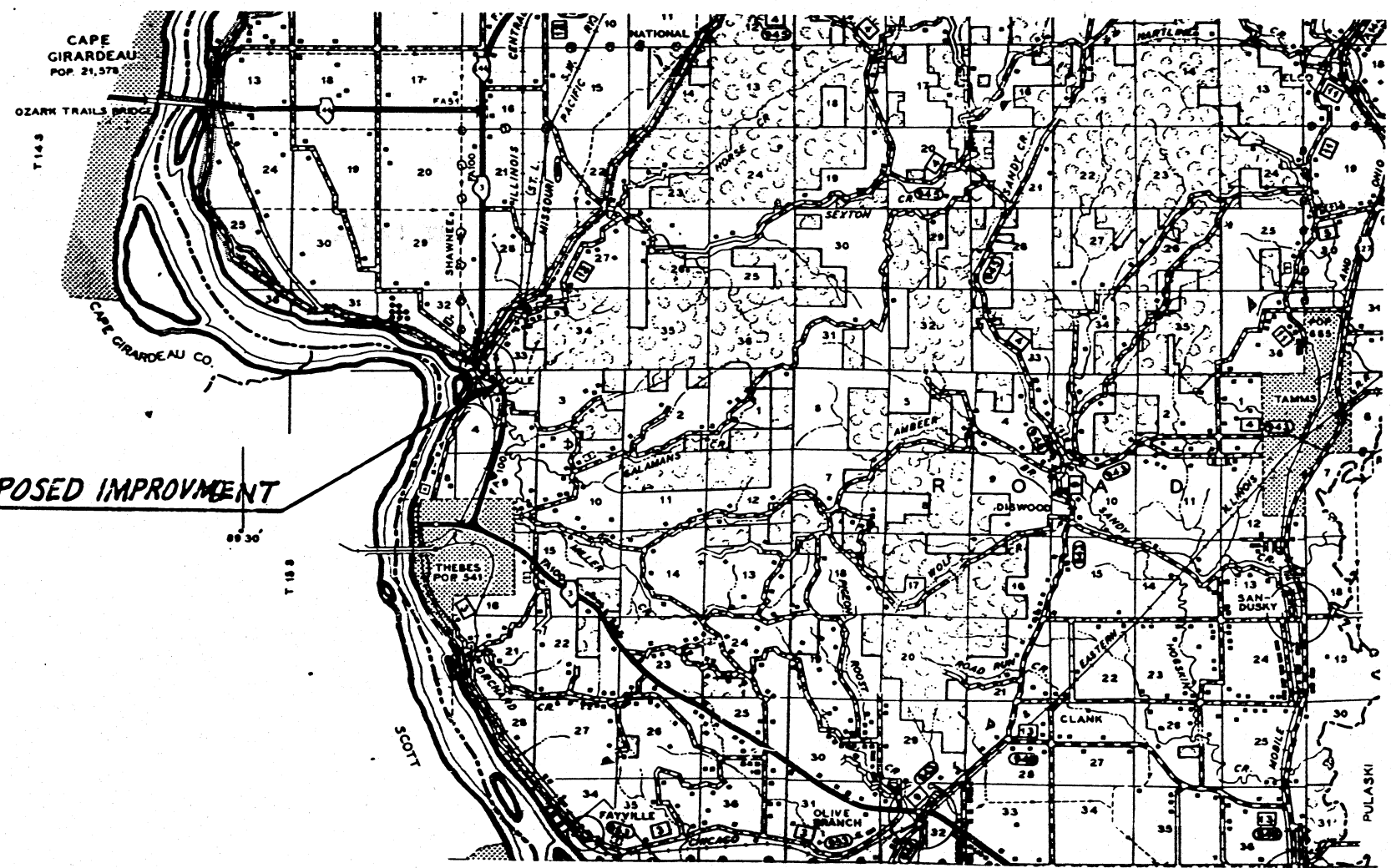
* 133-I-1-DL

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	1
FED ROAD DIST. 7	ILLINOIS PROJECT			

P-99-018-71

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 S.B.I. ROUTE 150
 SEC. 133-I-1-DL
 ALEXANDER COUNTY

INDEX OF SHEETS SHEET NO. 3
 SUMMARY OF QUANTITIES SHEET NO. 3



LOCATION OF PROPOSED IMPROVEMENT

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

SUBMITTED MAY 12 19 71
J. F. Newton
 DISTRICT ENGINEER

EXAMINED _____ 19 _____

ENGINEER OF ROAD PLANS AND CONTRACTS

PASSED _____ 19 _____

ENGINEER OF DESIGN

APPROVED _____ 19 _____

CHIEF HIGHWAY ENGINEER

APPROVED _____ 19 _____

DIRECTOR

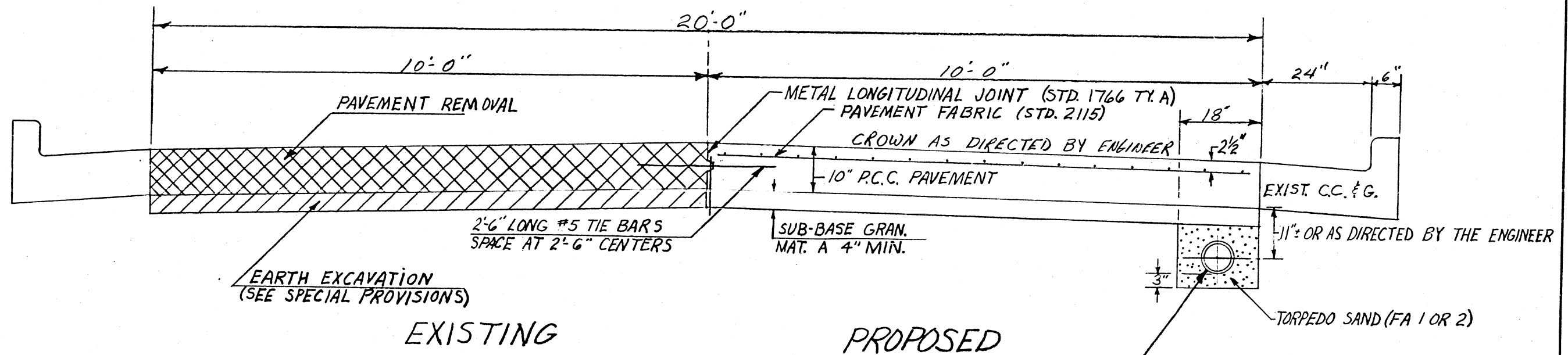
NET LENGTH OF IMPROVEMENT=121 LINFT.=0.023 MI.
 APPROX. SCALE: 1"=2 MI.

REEL 9-67

* 133-I-1-DL

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	2
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

TYPICAL SECTION



PIPE UNDERDRAINS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER LIN. FT. FOR PIPE UNDERDRAIN 6" WHICH PRICE SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE TORPEDO SAND AND HARDWARE CLOTH.

*133-I-1-DL

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	3
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
213001	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	63
408012	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT. 10"	SQ. YD.	276
408013	PAVEMENT FABRIC	SQ. YD.	269
408014	PROTECTIVE COAT	SQ. YD.	276
607152	PIPE UNDERDRAINS 6"	LIN. FT.	240
617001	PAVEMENT REMOVAL	SQ. YD.	276
Z10639	TRAFFIC CONTROL AND PROTECTION STANDARD 2309	L. SUM	1

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTION
3	GENERAL NOTES; SUMMARY OF QUANTITIES; INDEX OF SHEETS
4	PLAN LAYOUT
5	DETAIL OF EXPANSION JOINT
6	PIPE UNDERDRAIN CONNECTION
7	STD. 2115-3
8	STD. 1766-6
9	STD. 2323
10	STD. 2298
11	STD. 2299
12	STD. 2300
13	STD. 2309

GENERAL NOTES

PROTECTIVE COAT SHALL BE APPLIED TO THE NEW PAVEMENT AND P.C.C. PATCHES IN THE GUTTER FLAG AS DIRECTED OR APPROVED BY THE ENGINEER.

AT ALL LOCATIONS WHERE A HIGH TYPE PAVEMENT JOINS AN EXISTING HIGH TYPE PAVEMENT A SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT SHALL BE INCIDENTAL TO THE TYPE OF PAVEMENT BEING CONSTRUCTED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPUTED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

PREPARED BY H. D. Kay
DISTRICT DESIGN ENGINEER

EXAMINED BY R. H. Williams
DISTRICT MAINTENANCE ENGINEER

EXAMINED BY A. E. Zedalis
DISTRICT TRAFFIC ENGINEER

EXAMINED BY R. M. Cronin
DISTRICT MATERIAL ENGINEER

EXAMINED BY S. W. Waples
DISTRICT RIGHT OF WAY ENGINEER

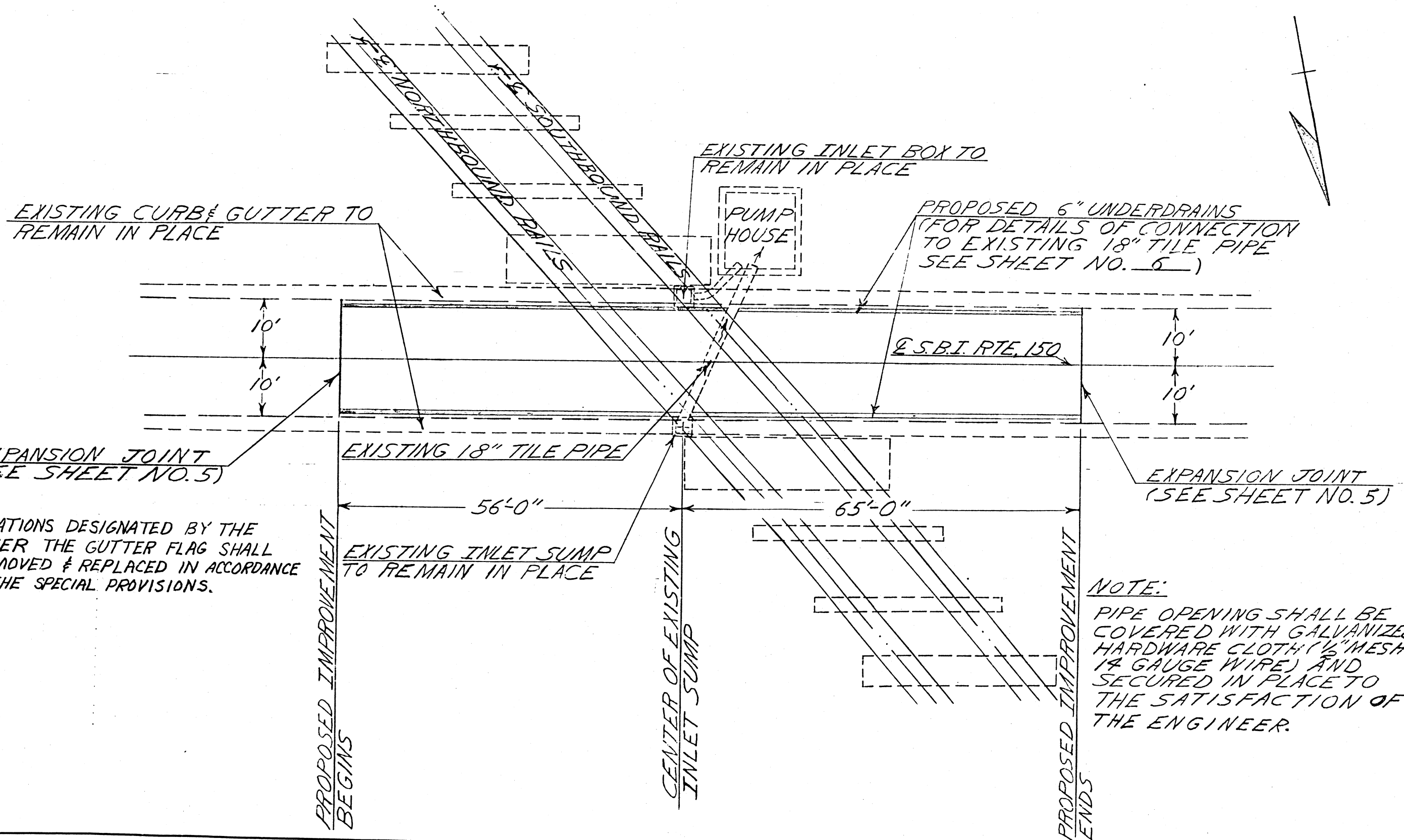
EXAMINED BY Arnold Lenzini
DISTRICT CONSTRUCTION ENGINEER

APPROVED J. F. Newton
DISTRICT ENGINEER
MAY 12, 1971
DATE

*133-I-1-DL

ROUTE NO.	SEC	COUNTY.	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	4
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

PLAN-LAYOUT



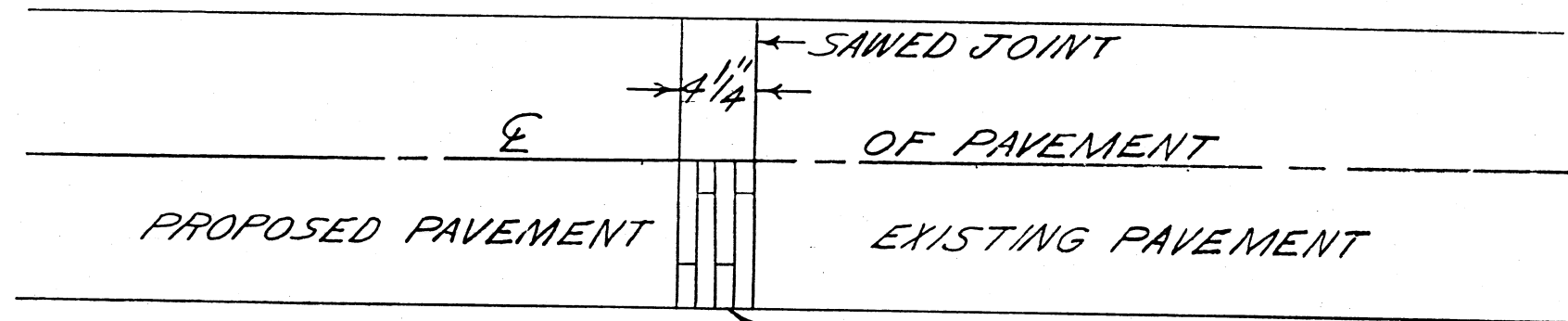
NOTE:
 AT LOCATIONS DESIGNATED BY THE ENGINEER THE GUTTER FLAG SHALL BE REMOVED & REPLACED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

NOTE:
 PIPE OPENING SHALL BE COVERED WITH GALVANIZED HARDWARE CLOTH (1/2" MESH 14 GAUGE WIRE) AND SECURED IN PLACE TO THE SATISFACTION OF THE ENGINEER.

*133-I-1-DL

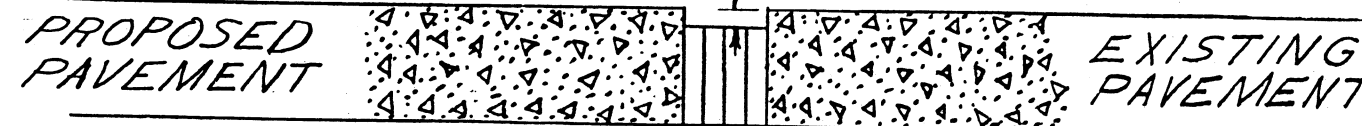
ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

DETAIL OF EXPANSION JOINT



PLAN VIEW

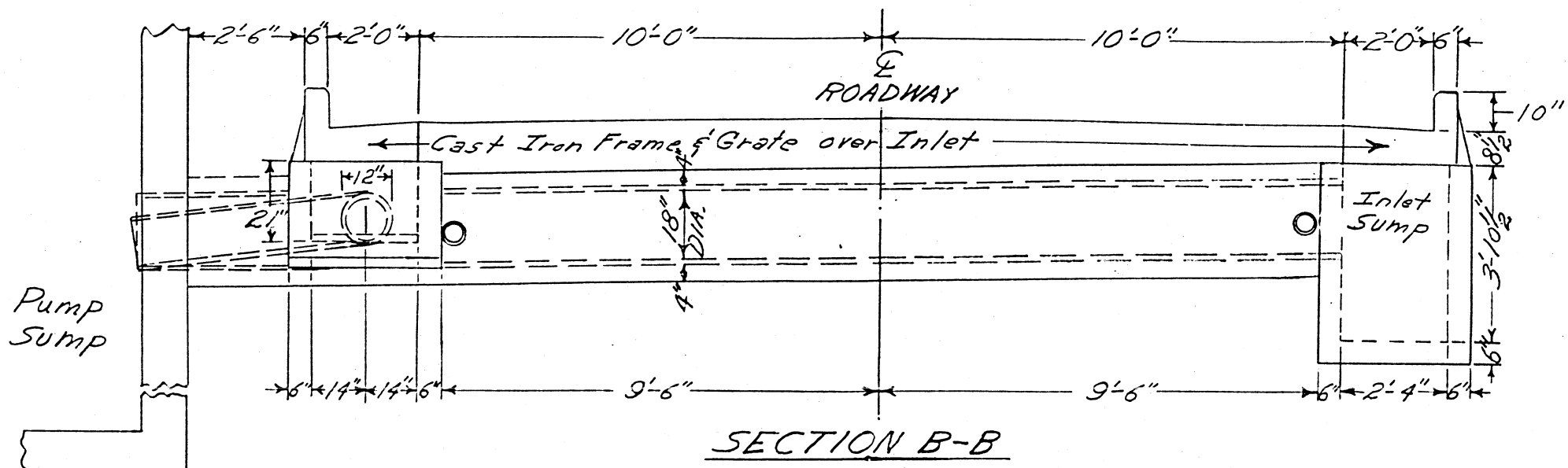
4 PIECES @ 1" PREMOULDED JOINT FILLER
INCIDENTAL TO SAWED JOINT 1/4"



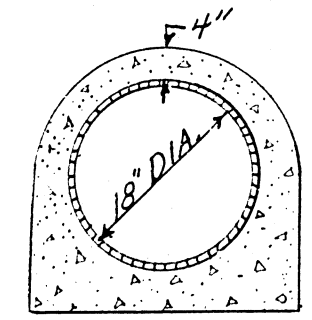
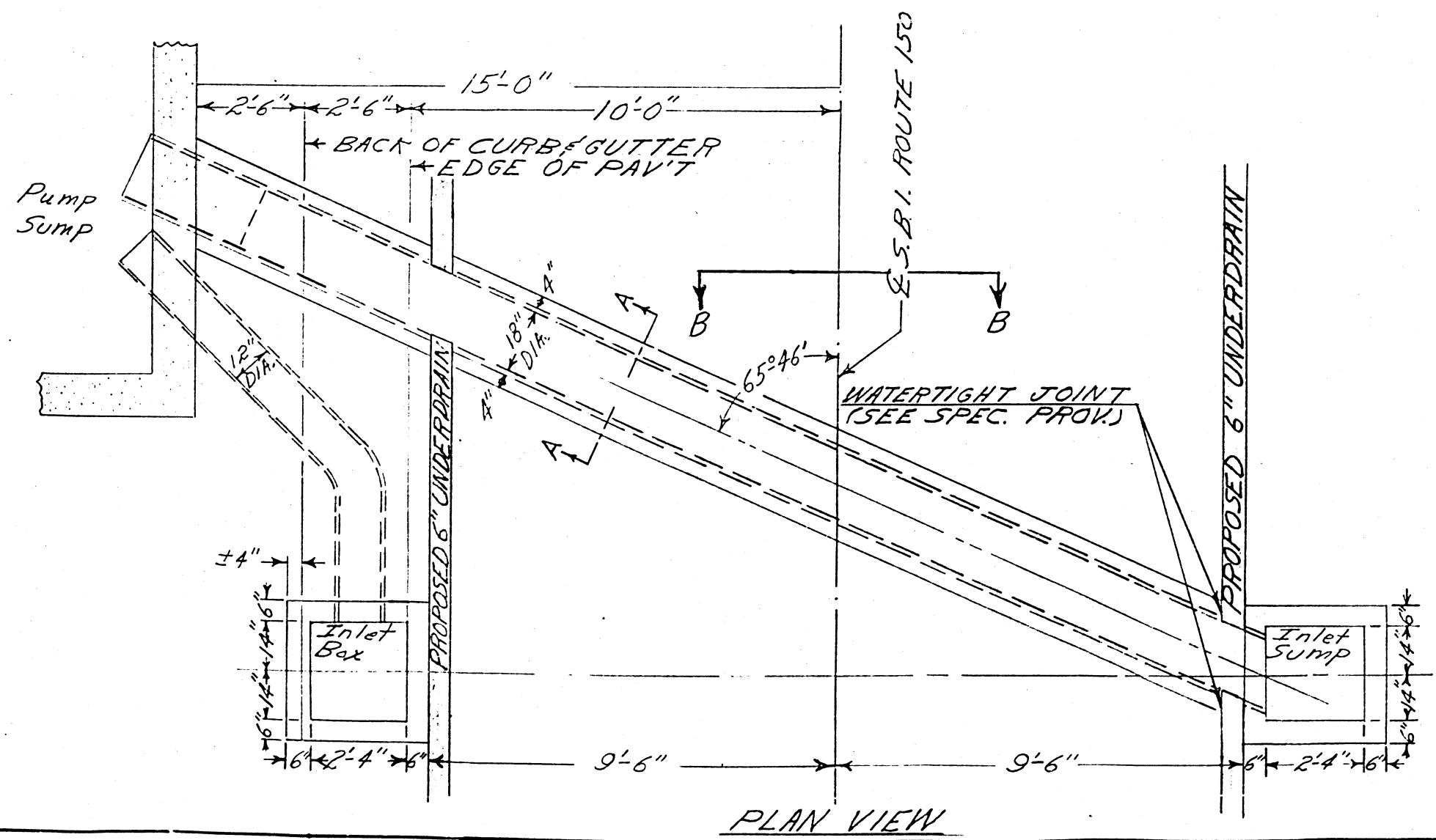
LONGITUDINAL SECTION

PREMOULDED JOINT FILLER SHALL BE EVEN WITH
OR EXTEND BELOW THE BOTTOM OF THE PAVEMENT

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 150	*	ALEXANDER	13	6
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	



DETAIL OF PIPE UNDERDRAIN CONNECTION



SEC. A-A

BOND MADE	SEC.	COUNTY	TOTAL SHEETS	PK. #1
150	613	ALEXANDER	46	1
SEE ROAD DIST.	ILLINOIS	SECTION	PROJECT	201

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
STATE BOND ISSUE HIGHWAY**

INDEX TO SHEETS

SEC. 133A

Sheet No 1	Cover Sheet
2	Standards No 1232 & 1250
3	Schedule of Quantities
4	Typical Cross Sections
5	Plan & Profile Sta 1082+84 To 1110+00
6	1110+00 - 1150+00
7	1150+00 - 1180+00
8	1180+00 - 1210+00
9	1210+00 - 1227+00
10-28	Inclusive Cross Sections
29	Standard Cuv. Design 828-1
29	Spec. Cuv. Design Sta 1091+70, 1093+10, 1102+40
30	1103+20, 1107+65, 1112+32, 1119+58
31	1122+00, 1126+15, 1132+20, 1152+35
32	1155+35, 1164+00, 1167+34, 1180+50
33	1193+40, 1220+00, 1226+44
34	Standard No 1162

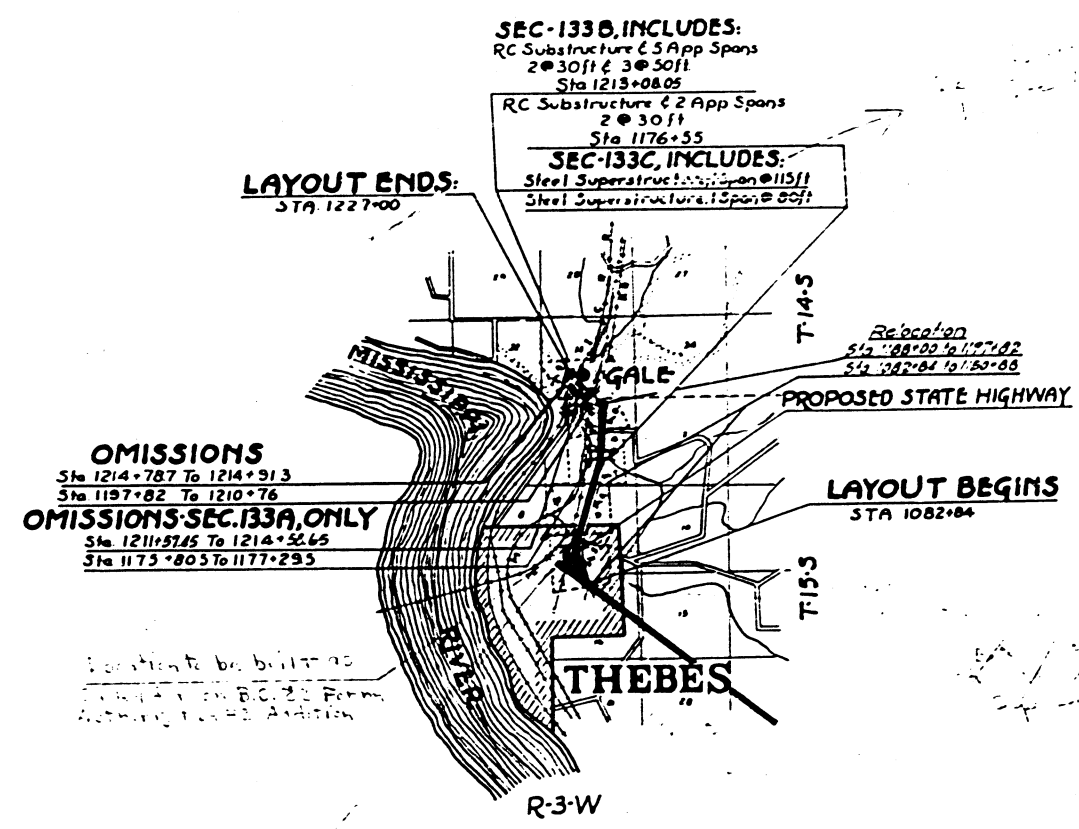
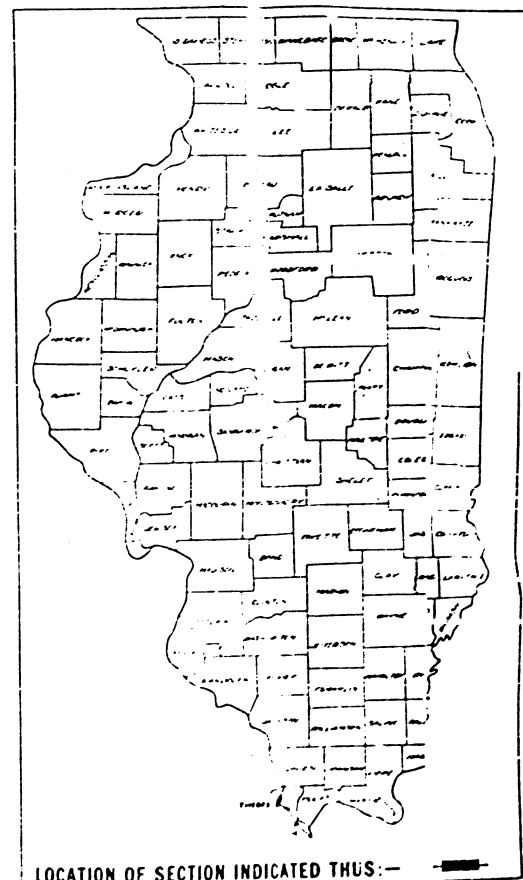
SEC. 133B-C

Sheet No 1	Cover Sheet
7	Plan & Profile
9	
35-42	Inclusive, Spec. Br. Design, Sta 1173+85 (Sheets 1 to 8 of 8)
43	Spec. Br. Design, Sta. 1176+35 (Sheet 1 of 4)
44	1176+35 (- 3 of 4)
45	1176+35 (- 4 of 4)
46	1176+35 (- 2 of 4)
46	Standard No 1177

SCALES
PLAN 1" = 100 FT.
PROFILE, HOR. 1" = 100 FT.
PROFILE, VERT. 1" = 10 FT.
CROSS-SECTIONS 1" = 10 FT.

ROUTE 150-SECS. 133A, 133B, 133C ALEXANDER COUNTY
F. A. PROJECT 201-C

From a point near the NE Corner of the NE 1/4 of the NW 1/4 of Section 16, T-15-S, R-3-W, of the 3^d PM
To a point near the Center of the SW 1/4 of Sec 33, T-14-S, R-3-W, of the 3^d PM.



OMISSIONS
Sta 1214+787 To 1214+913
Sta 1197+82 To 1210+76

OMISSIONS-SEC. 133A, ONLY
Sta 1211+5745 To 1214+5665
Sta 1175+803 To 1177+293

LAYOUT
Approximate Scale - 1 inch = 1 mile
Net Length of Layout - 12,102.9 ft = 2.2922 mi.

STATE LINE	-----	RETAINING WALL	=====
COUNTY LINE	-----	BASE OR SURVEY LINE	-----
CITY, VILLAGE OR TOWN	-----	LEVEE	=====
TOWNSHIP LINE	-----	CULVERT	=====
SECTION LINE	-----	STORM SEWER	=====
GRANT LINE	-----	TILE DRAIN	=====
SECTION CORNER	-----	DROP INLET	=====
FENCE LINE	-----	TROLLEY POLE	-----
UNFENCED PROPERTY	-----	POWER POLE	-----
RIGHT OF WAY LINE	-----	TELEPHONE OR TELEGRAPH POLE	-----
GUARD RAIL	-----	MARSH	-----
STEAM RAILROAD	-----	HEDGE	-----
ELECTRIC RAILROAD	-----		

Special Cover Sheet for revised Plans.

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

APPROVED: MARCH 21, 1928.

PREPARED BY: C. D. Dwyer

DESIGNED BY: R. C. ...

CONSTRUCTED BY: ...

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER, Bureau of Public Roads

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER, Bureau of Public Roads

APPROVED

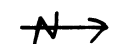
CHIEF, Bureau of Public Roads

*This is the reel # for these pages but they are missing on the reel. Will be re-microfilmed

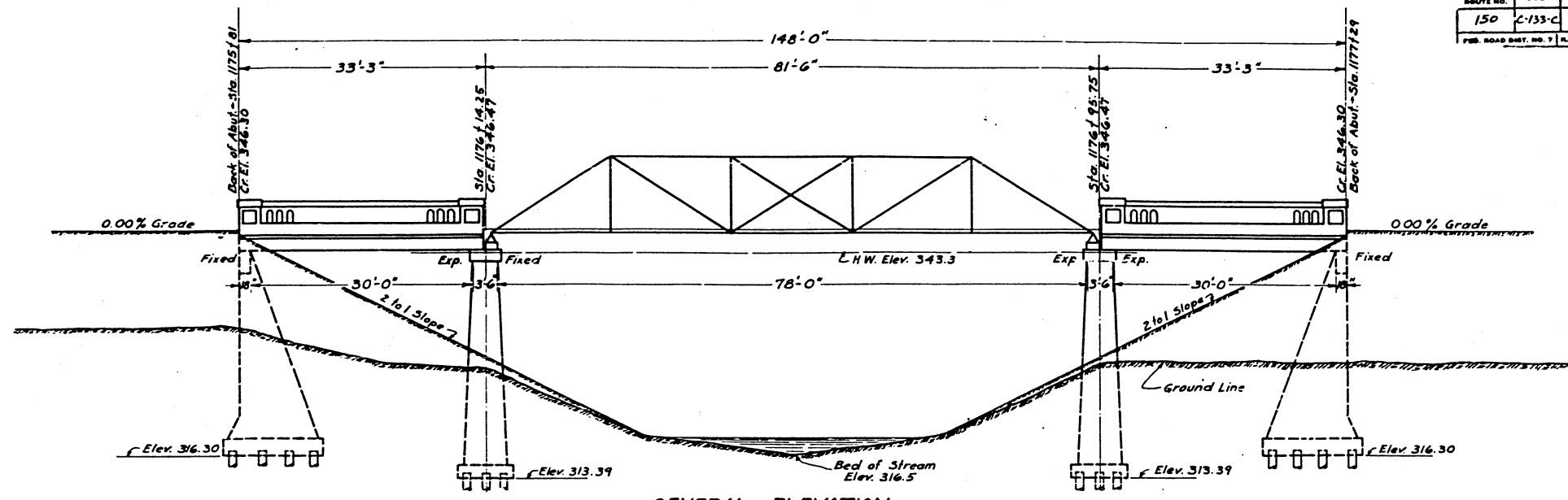
REEL 9-24

No existing structure.
 B.M. — S. & W. in roof of 20' Gum tree
 60 ft. Left Sta. 1176.00 = Elev. 333.94.

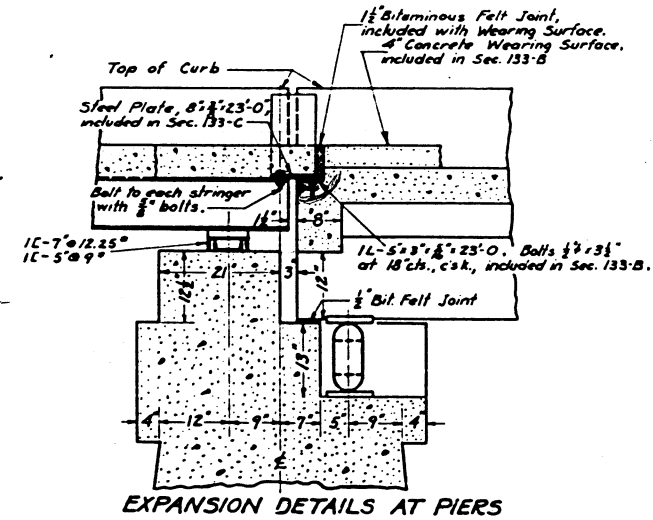
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS



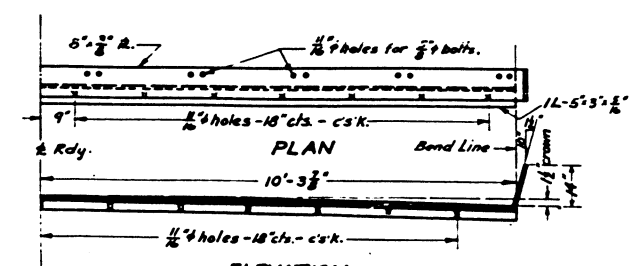
PROJECT NO.	150	CITY	Alexander	DATE	46	SHEET NO.	43
SHEET NO. 1				SHEETS 4			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 201							
SHEET NO.							
SHEETS							
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 201							



GENERAL ELEVATION
 HORIZONTAL & VERTICAL SCALE = 1"=10'

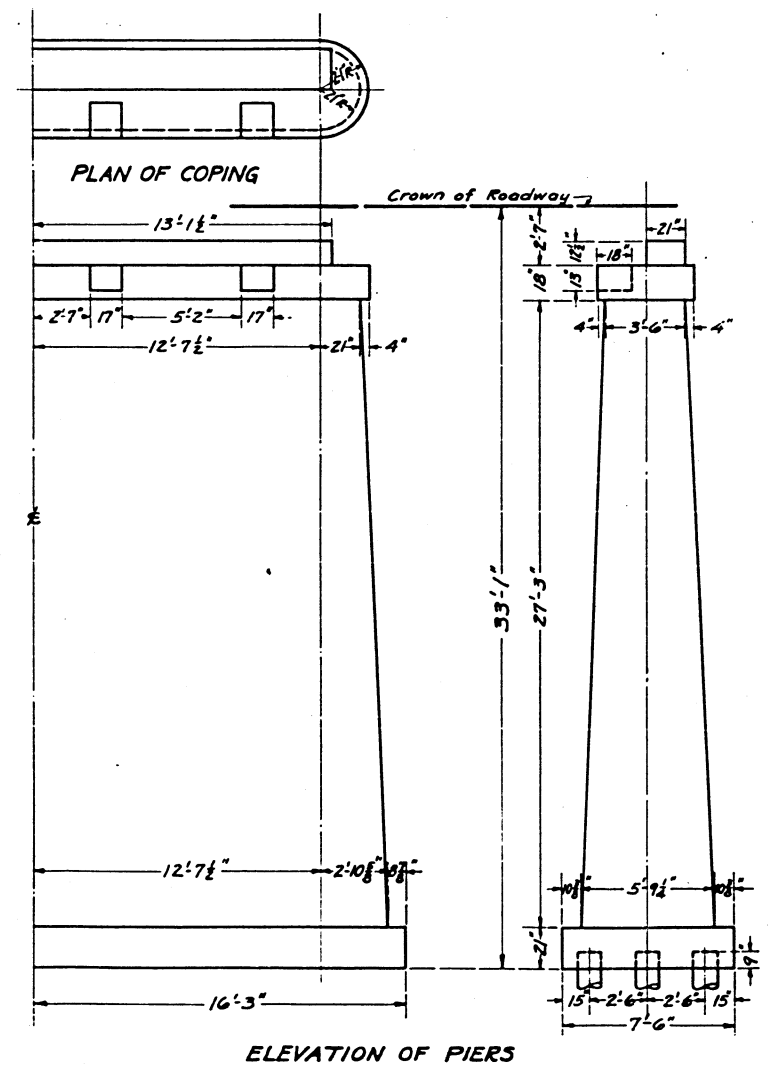


EXPANSION DETAILS AT PIERS



ELEVATION
 DETAIL OF EXPANSION GUARD

2 Req'd.
 Total Wt = 370 Lbs. — Sec. 133-B
 Total Wt. = 490 Lbs. — Sec. 133-C



ELEVATION OF PIERS

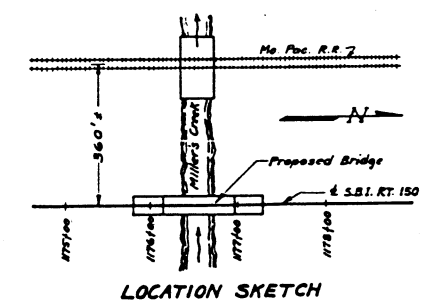
TOTAL BILL OF MATERIAL

	Steel Super	Conc. Super	Piers	Abuts.	Total - Sec. B	Total - Sec. C
Class A Concrete — Cu. Yds.			318.6		318.6	
Class X Concrete — Cu. Yds.	36.2	77.2		130.7	207.9	36.2
Iron Castings — Lbs.	1370					1370
Reinforcing Steel — Lbs.	5730	19,960		6140	26,100	5730
Structural Steel — Lbs.	64520	370			370	64520
Rockers & Plates — Lbs.		2028			2028	
Untreated Piles — Lin. Ft.			1240	1120	2360	
4" P.C.C. Pavement — Sq. Yds.		150.4			150.4	
Name Plate		1			1	
Floor Drains Ea.	10					10

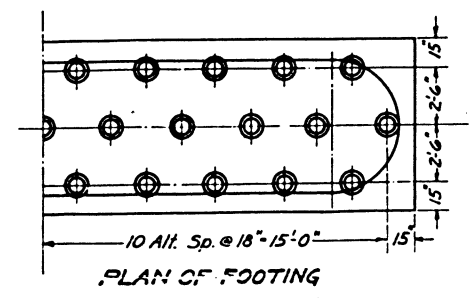
• 20T. Untr. Piles — Est Length 280 Lin. Ft.
 17T. 280
 15T. 1520
 10T. 280

BILL OF MATERIAL — 2 PIERS
 Class A Concrete — Cu. Yds. 318.6

• 15 Ton Untr. Piles.
 62 Req'd.
 Use class A concrete throughout piers.



LOCATION SKETCH



PLAN OF FOOTING

STANDARD	COMPUTED — M.P. SPRERAN	EXAMINED — 7-9-1931	BRIDGE ENGINEER
	CHECKED — J.R.R.		
SPECIAL	DRAWN — M.P.S.	PASSED — [Signature]	ENGINEER OF DESIGN
	CHECKED — [Signature]		
	ASSEMBLED — [Signature]	APPROVED — [Signature]	CHIEF HIGHWAY ENGINEER
	CHECKED — [Signature]		

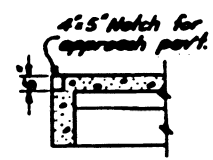
S.B.I. RT. 150 — SEC. 133-B+C
 ALEXANDER COUNTY
 STA. 1176+55

150	6-133B	Alexander	17	17
-----	--------	-----------	----	----

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
150	6-133B	Alexander	17	17

ILLINOIS FED. AID PROJECT 201

Parapet wall at abut. only
for parapet wall at piers
see sheet 01



NOTCH AT ABUTS.

P.C. - c of piers

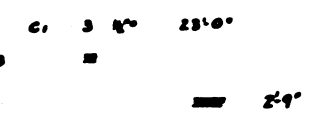


Omit Drains

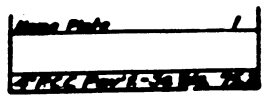
Omit Rakers
at abuts.



ONE SPAN



17'0"
2'-9"

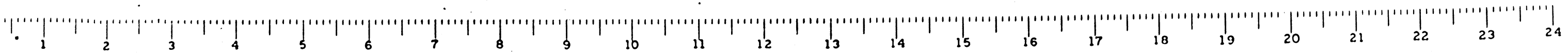


S.B.I. RT. 150 - SEC. 133-B
ALEXANDER COUNTY
STA. 1176 + 55

1004-N

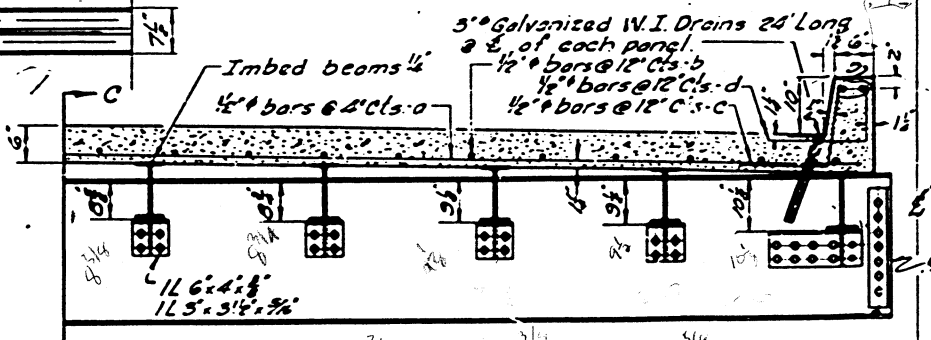
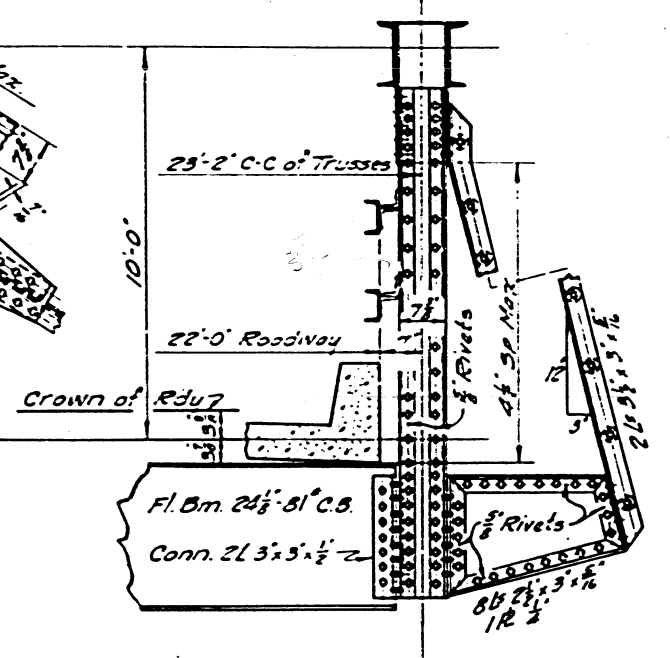
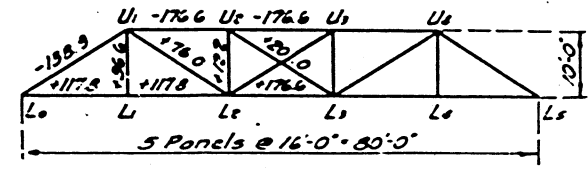
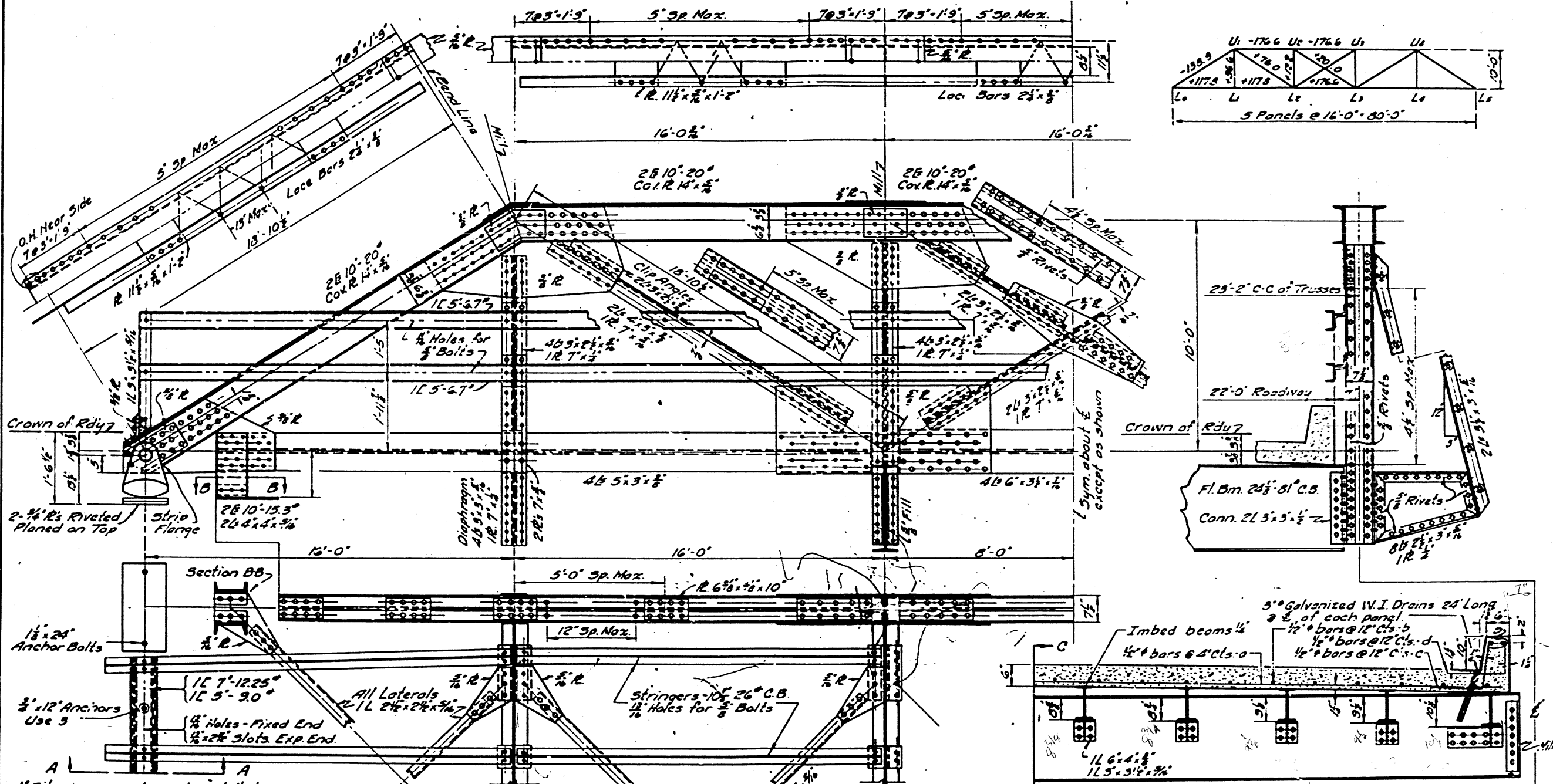
7-9-31
G. J. Couch
H. E. ...
Mark Sheets

H.P. ...
H154012



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
STEEL THROUGH TRUSS
SPAN 80 FT. ROADWAY 22 FT.

SHEET NO.
SHEETS

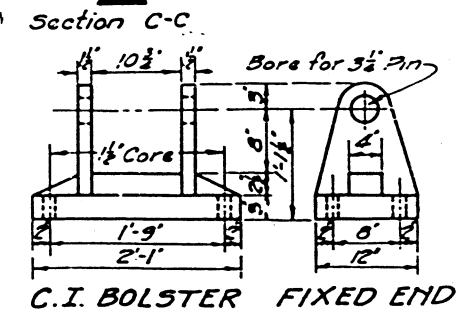
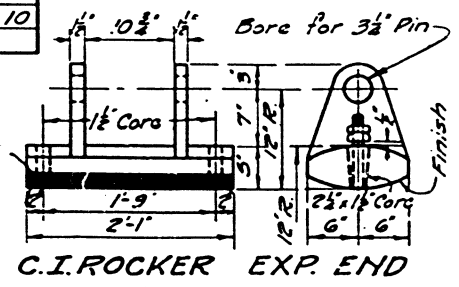
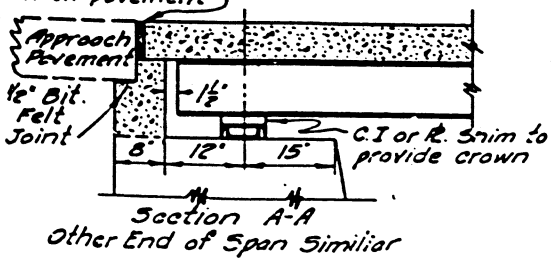


Note:
Rivets 3/4". Holes 5/8", except as noted.
Inspection by Illinois Division of Highways before painting.
Paint (See Specifications) one coat in shop.
Field Connections Riveted except Stringers and Rail
Concrete Floor Slab shall be given a smooth finish
according to the specifications for finishing floor
slabs on concrete bridges.
Trusses to be completely assembled in the shop
for inspection.
Parapet wall to be built by Superstructure Contractor.
Weight of C.I. Rockers and Bolsters is included in
the weight of structural steel. (1570 Lbs.)
Use class X concrete.
Reinforcing steel to be wired securely in place before
concrete is poured.

BILL OF MATERIAL

Car	No.	Size	Length
a	250	1/2"	21'-9"
b	104	1/2"	22'-3"
c	164	1/2"	2'-6"
d	164	1/2"	2'-6"

Structural Steel - Lbs. _____
Reinforcing Steel - Lbs. 5730
Concrete in Floor - Cu Yds. 36.2
Concrete in Parapet - Cu Yds. _____
Floor Drains - Each. 10

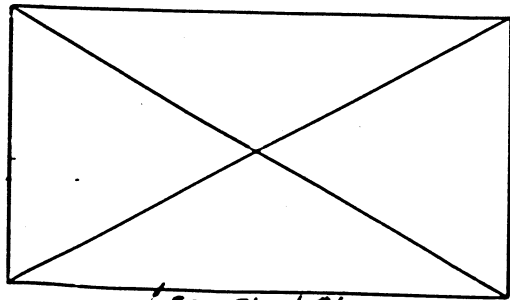


COMPUTED - H. W. Wood	EXAMINED - _____
CHECKED - C. C. Wood	BRIDGE ENGINEER
DRAWN - W. H. Perkins	PASSED - _____
CHECKED - _____	ENGINEER OF DESIGN
SPECIAL ASSEMBLED - _____	APPROVED - _____
CHECKED	CHIEF HIGHWAY ENGINEER

1102-N

150	SEC. 133-C	Alexander	46	44
150	SEC. 133-C	Alexander	17	15

3



See sheet #1

64030

C.I. Rockers & Bolsters-Lbs-1370

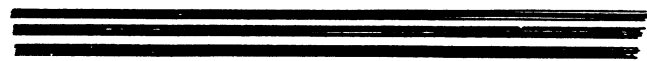
1-9 31

J.F. Burch

H.E. Swanson

Frank J. Shuts

M.P. Superak
R.R. Zohn



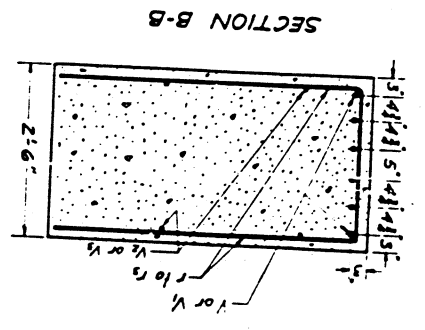
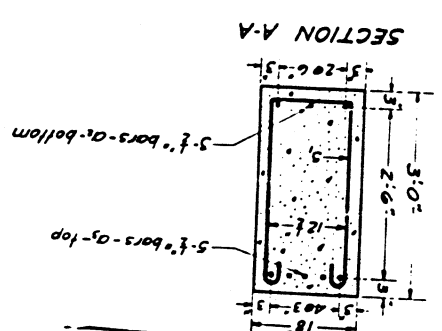
S.B.I. RT. 150 - SEC. 133-C
ALEXANDER COUNTY
STA. 1176+55

1102-N

No existing structure.
 2 ft - 5 ft W in roof of 20' Gum tree
 2 ft - 60 ft left side 1176/100 - Elev 333.94

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

PROJECT NO.	1150	SECTION	150
COUNTY	ALEXANDER	SECTION	17
DATE	4.15.35	SECTION	16
SHEET NO.	4	SECTION	201

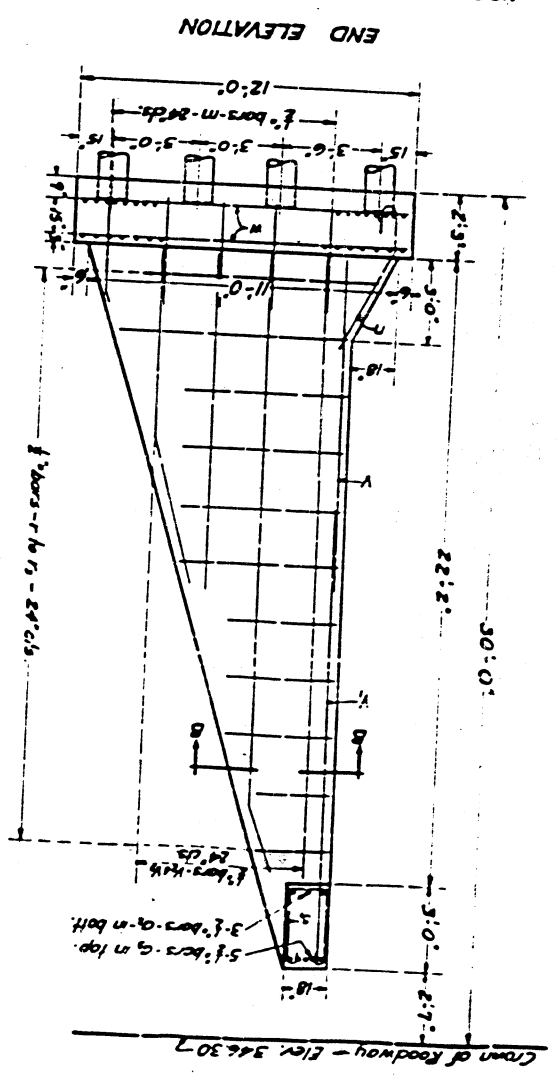


BILL OF MATERIAL - 2 ABUTS.

Bars	No.	Size	Length
a	6	1/2"	23'-6"
b	10	1/2"	27'-6"
c	36	3/4"	11'-0"
d	36	1/2"	16'-0"
e	24	1/2"	22'-0"
f	24	1/2"	12'-0"
g	36	3/4"	11'-0"
h	36	1/2"	23'-6"
i	12	1/2"	18'-0"
j	18	1/2"	15'-6"
k	12	1/2"	9'-6"
l	12	1/2"	7'-0"
m	20	1/2"	7'-6"
n	72	1/2"	23'-0"
o	60	1/2"	23'-0"
p	22	1/2"	11'-9"

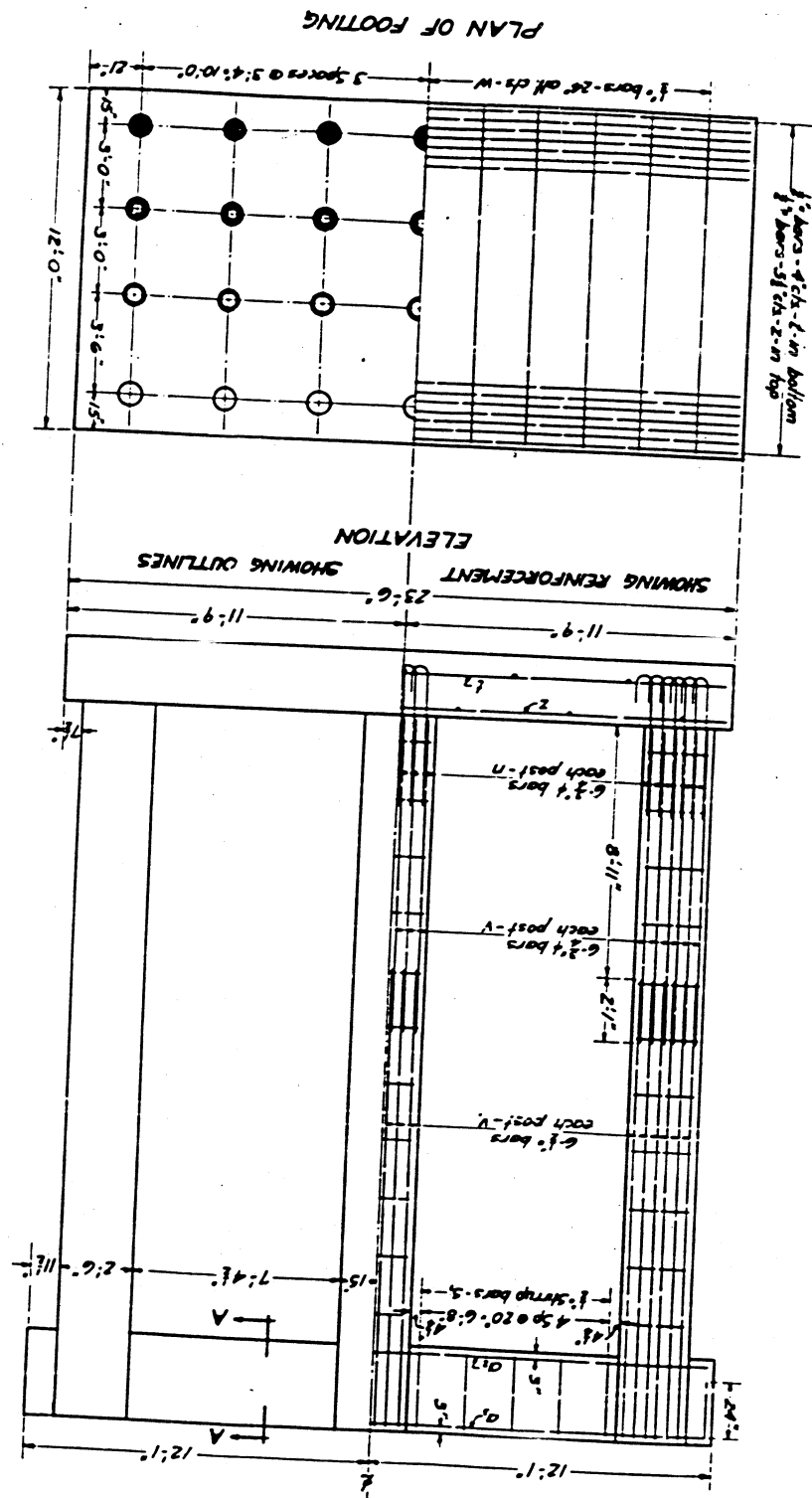
Class X Concrete - CU Yds 130.7
 Reinforcing Steel - Lbs 6140

S.B. RT. 150 - SEC. 133-B
 ALEXANDER COUNTY
 STA 1176+55



- NOTES-
- Class X concrete shall be used throughout.
 - Reinforcing steel shall be wired securely in place before concrete is poured.
 - Piles for two abuts -
 - 20 Ton Unit Piles - 18 Reqd
 - 17 Ton Unit Piles - 18 Reqd
 - 15 Ton Unit Piles - 18 Reqd
 - 10 Ton Unit Piles - 18 Reqd

COMPUTED	M. P. BARNES
CHECKED	H. B. HARRIS
DRAWN	M. P. BARNES
CHECKED	H. B. HARRIS
APPROVED	H. B. HARRIS
DATE	7-9-31



EXAMINED
 7-9-31
 H. B. HARRIS
 M. P. BARNES
 H. B. HARRIS
 M. P. BARNES
 H. B. HARRIS
 M. P. BARNES