76666 1-21-11 LETTING ITEM 087

FOR INDEX OF SHEETS

1 COVER SHEET

SUMMARY OF QUANTITIES, GENERAL NOTES & COMMITMENTS

STATE OF ILLINOIS

CHNTON

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 805 (IL 161)

SECTION 7BR-2

BRIDGE REPAIR

CLINTON COUNTY

C-98-025-11

R 1 W

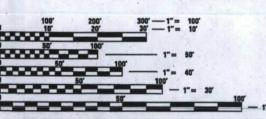
HIGHWAY STANDARDS

000001-06

701201-04

701901-01

014-0025



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

PROJECT MANAGER BILLIE OWEN 618-346-3189

CONTRACT NO. 76E66 014-0025



R 2 W

TRAFFIC DATA

MU = 3.5 %



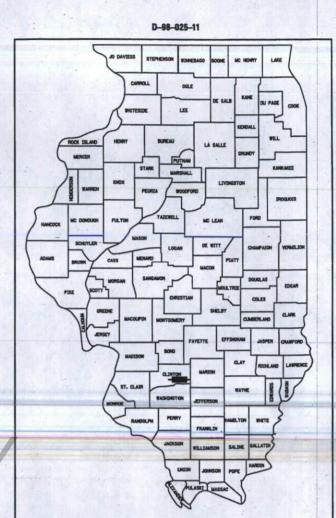
GROSS LENGTH = 0.122 MILE NET LENGTH = 0.122 MILE

BRIDGE REPAIRS TO IL 161 OVER CROOKED CREEK

644' - 4" BK TO BK ABUTMENTS

SN 014-0025

LONGITUDE: 89.19367



CLINTON 8

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Christing M. Reobler DIRECTOR OF HIGHWAYS, CHIEF ENGINE

OF THE STATE OF ILLINOIS

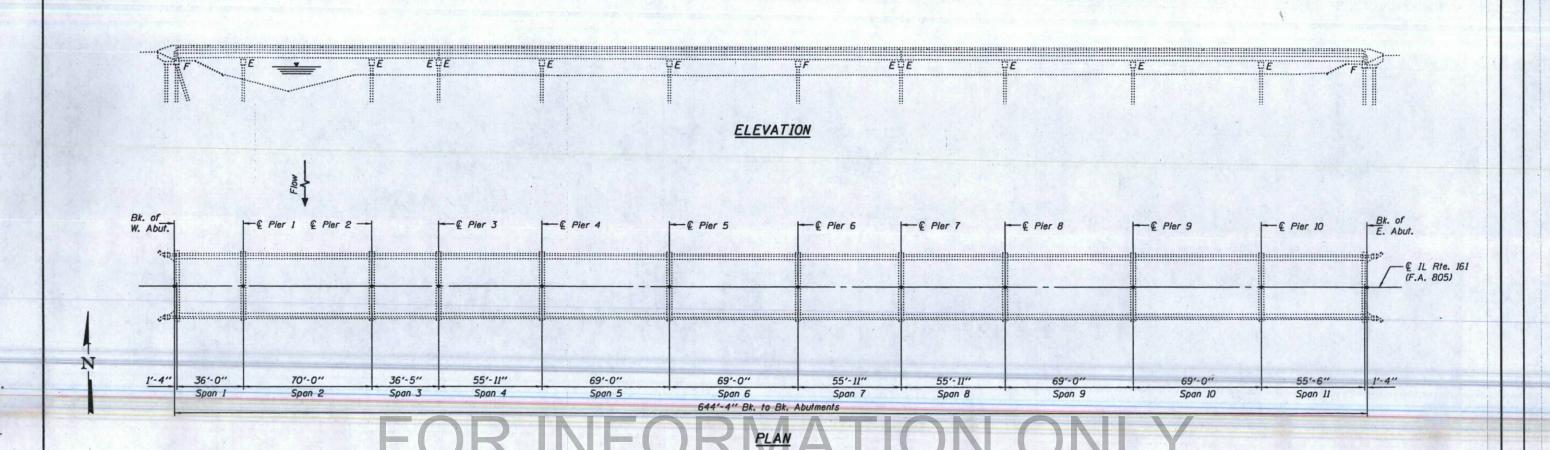
LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS

PROJECT ENGINEER PATTI LeBEAU 618-346-3179

LATITUDE: 38.53489



GENERAL NOTES

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

unless otherwise noted.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Existing 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 1. Cost included with Structural Steel Repair. 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. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

diaphragm removal and replacement.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Materials used for epoxy injection shall be as specified in Article 1025 of

the Standard Specifications. If the work is not performed under stage construction, temporary traffic control shall be utilized such that traffic shall not be allowed at locations during steel

TOTAL BILL OF MATERIAL

TOTAL DIEE OF MITT		
ITEM	UNIT	TOTAL
Concrete Superstructure	Cu. Yd.	1.7
Structural Steel Repair	Pound	5930
Reinforcement Bars, Epoxy Coated	Pound	350

IL 161 OVER CROOKED CREEK

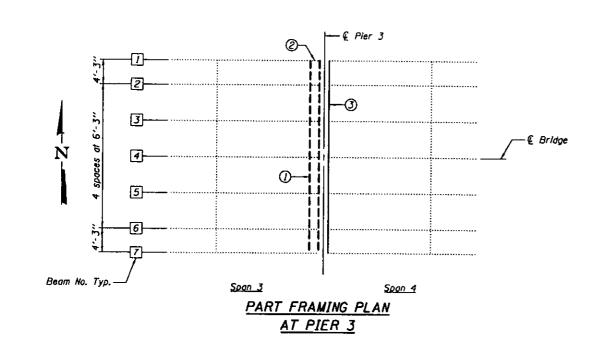
DESIGNED / WZulu CHECKED VICTOR H. VEGO DRAWN baliva

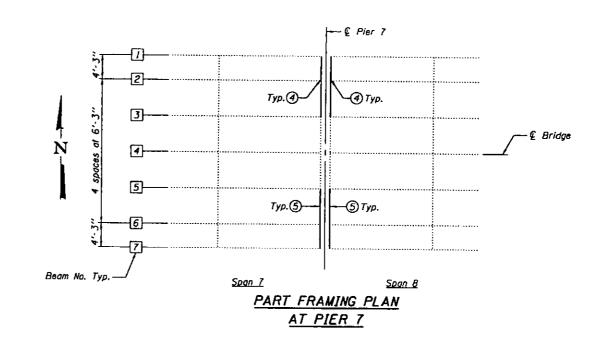
EXPIRES 11-30-2012

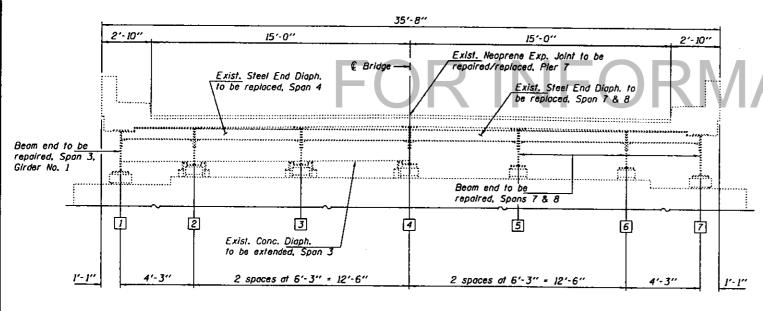
DATE NOVEMBER 22. 2010

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN AND ELEVATION SN 014-0025 SHEET NO. 1 OF 6 SHEETS

COUNTY TOTAL SHEET NO.
CLINTON 8 3
CONTRACT NO. 76E66 SECTION







ID NO.	LOCATION	MEMBER	REPAIR/REPLACE
D	Pier 3. Span 3 All bays	Conc. Diaph.	Extend diaphragm to top of existing concrete cap, see detail sheet 3 of 6
2	Pler 3, Span 3 Beam No. 1	Steel Beam	Perform beam web end repair, see detail sheet 3 of 6
3	Pier 3, Span 4 All bays	Steel Diaph.	Replace end diaphragm and conn. angles, see detail sheet 5 of 6
•	Pier 7. Span 7-Beams 1, 2 & 5-7 Span 8-Beams 1-3 & 5-7	Steel Beam	Perform beam web end repair, see detail sheet 4 of 6
(5)	Pier 7, Span 7 & 8 Bays 1, 2, 5 & 6	Steel Dioph.	Replace end diaphragm and conn. angles, see detail sheet 6 of 6

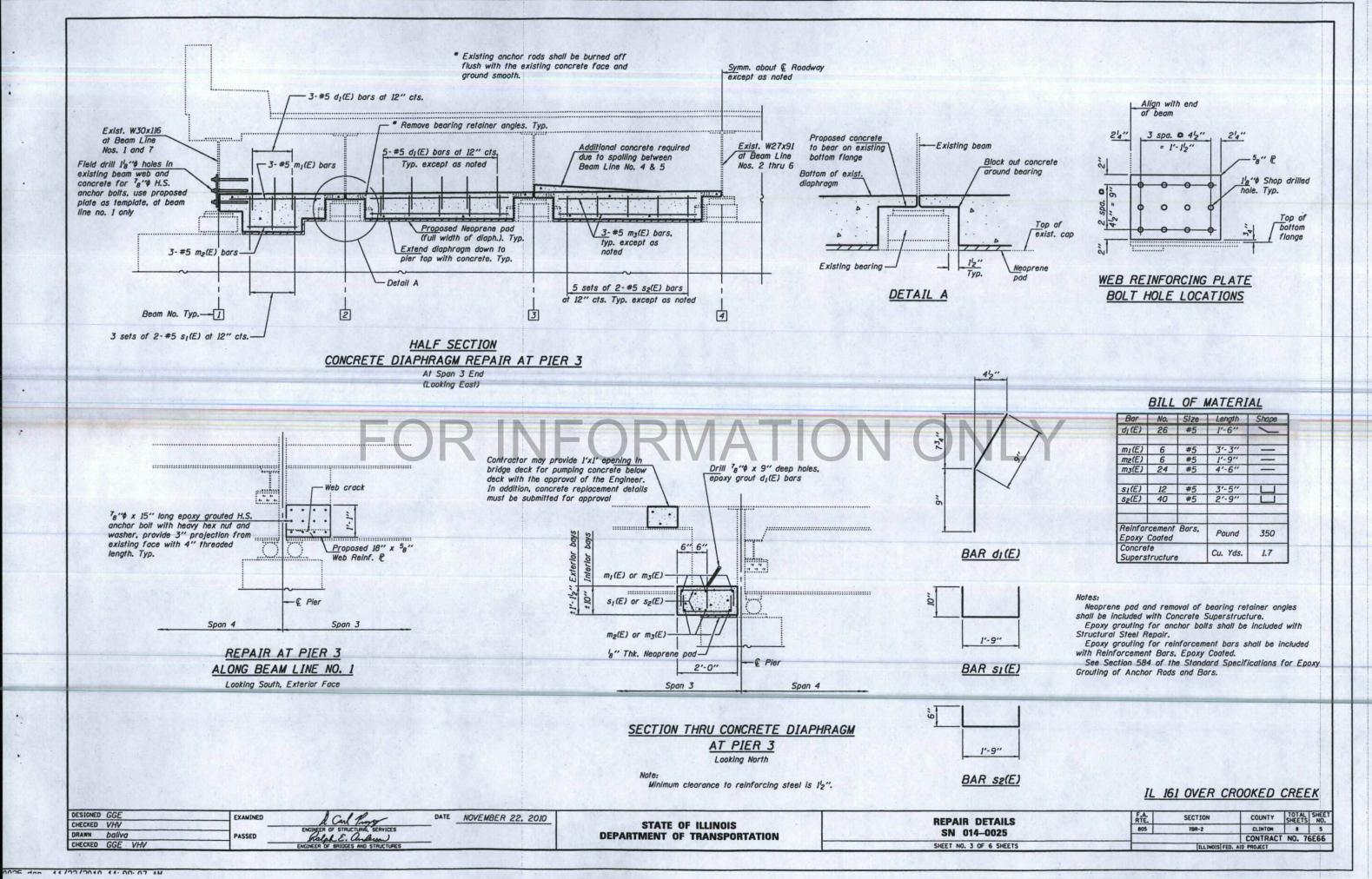
HALF SECTION
AT PIER 3
(Looking East)

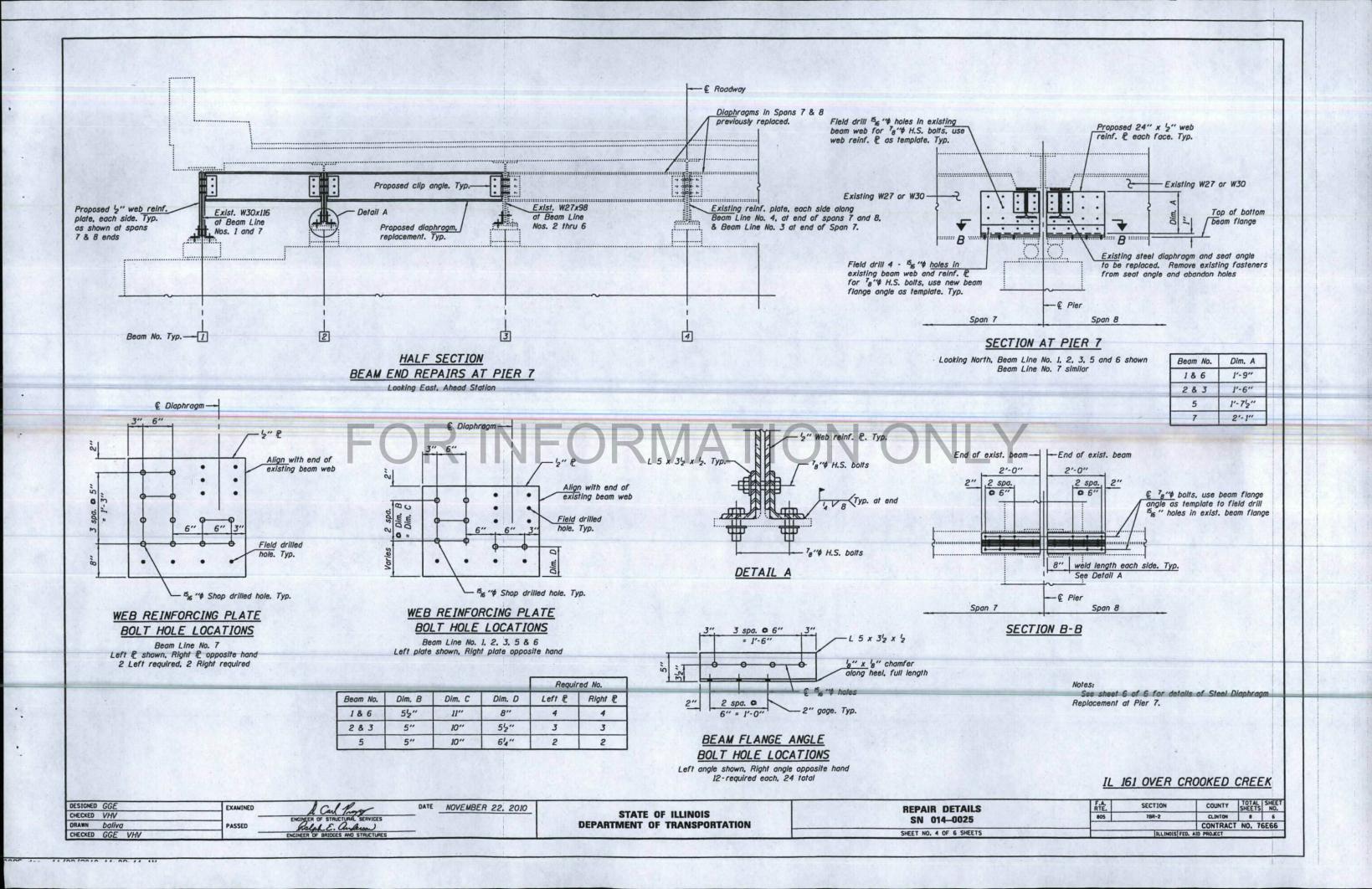
HALF SECTION

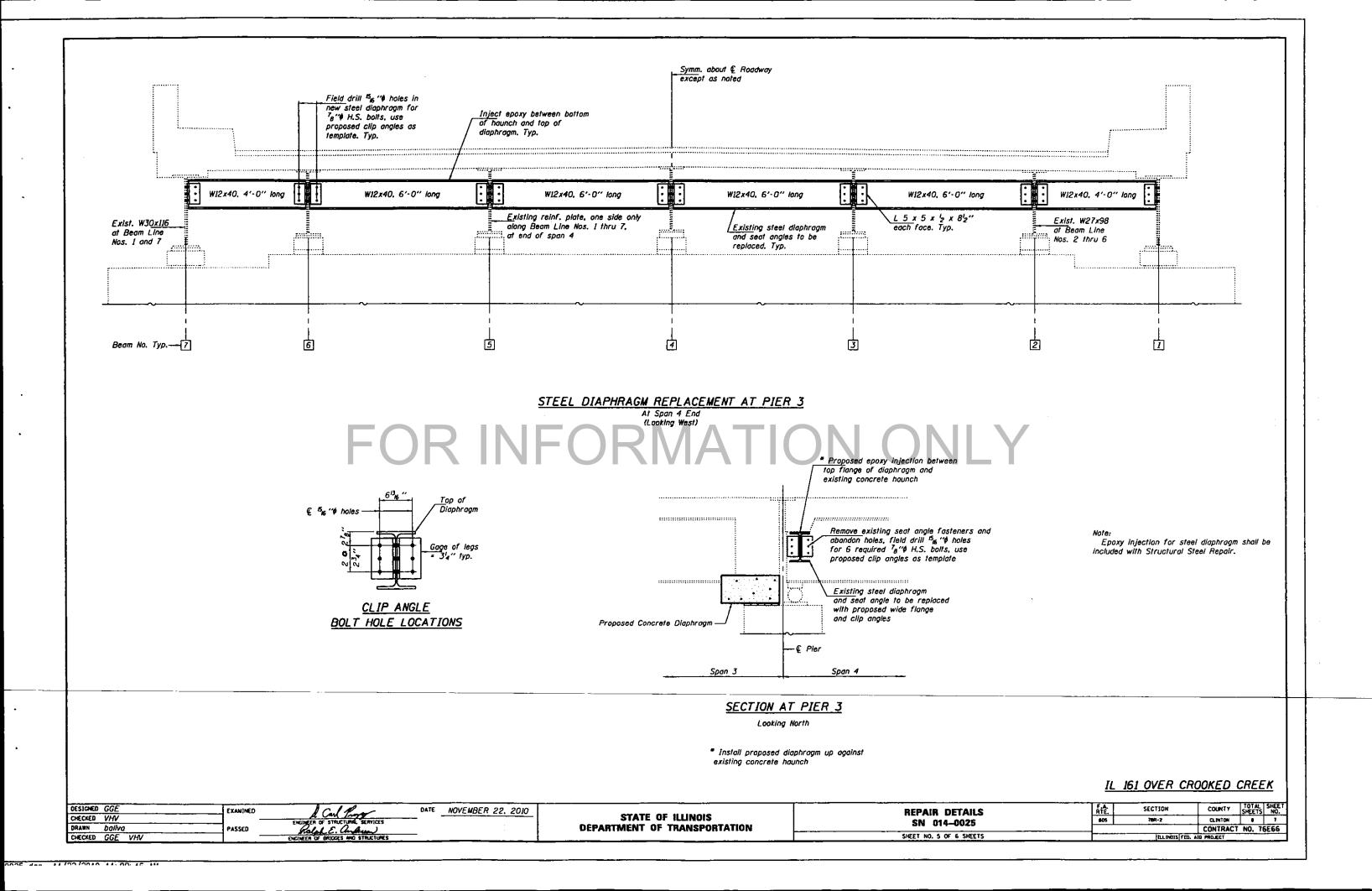
AT PIER 7
(Looking East)

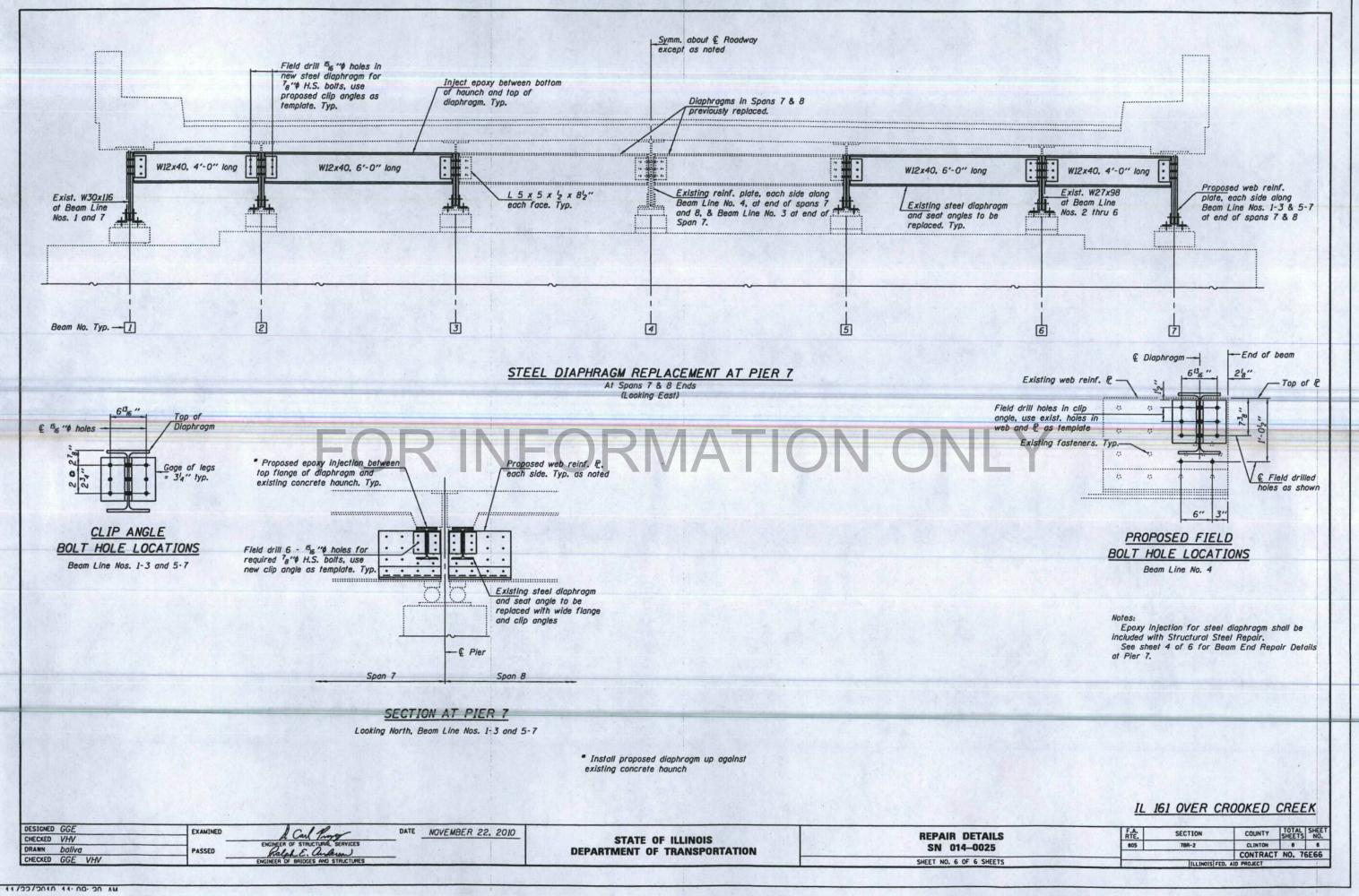
IL 161 OVER CROOKED CREEK

DESIGNED GGE CHECKED VHV DRAWN ballva CHECKED GGF VHV PASSED EXAMINED EXAMINED L Col fing ENCINEER OF STRUCTURAL SERVICES Kalak E. Condian	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REPAIR/REPLACEMENT SCHEDULE SN 014-0025	RTE. SECTION 605 198-2	COUNTY TOTAL SHE SHEETS NO CLINTON B 1 CONTRACT NO. 76E66
CHECKED GGE VHV ENGINEER OF MIDGES AND STRUCTURES		SHEET NO. 2 OF 6 SHEETS	DLINOIS FO	FED. AID PROJECT









STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CLINTON 24

P-98-068-83

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A. ROUTE 805 SECTION (7-1) RS-1, 7BI **CLINTON COUNTY** RESURFACING AND BRIDGE DECK REPAIRS

C-98-051-84

SECTION 7BI BRIDGE DECK REPAIRS BEGIN SECTION (7-1) RS-1 STA. 728+89.67 TO STA. 734+34.0 STA, 524+50 END SECTION (7-1) RS-1 STA. 803+50

LOCATION OF SECTION INDICATED THUS:

STA. EQUATION 662+37.8 BK =

664+64.7 AH

LOCATION MAP

SCALE: /" = / MILE

NET LENGTH OF SECTIONS

MALEMENTALISM OF COLUMN PERSON PERSON PROPERTY OF STREET STREET STREET STREET STREET STREET STREET STREET STREET

7BI - 544.33 FT = 0.103 MI.

MICROFILMED AWARDED RESIDENT ENGINEER AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS

CONTRACT NO. 38408

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STANDARDS

2230-13

2239-7

2298-7

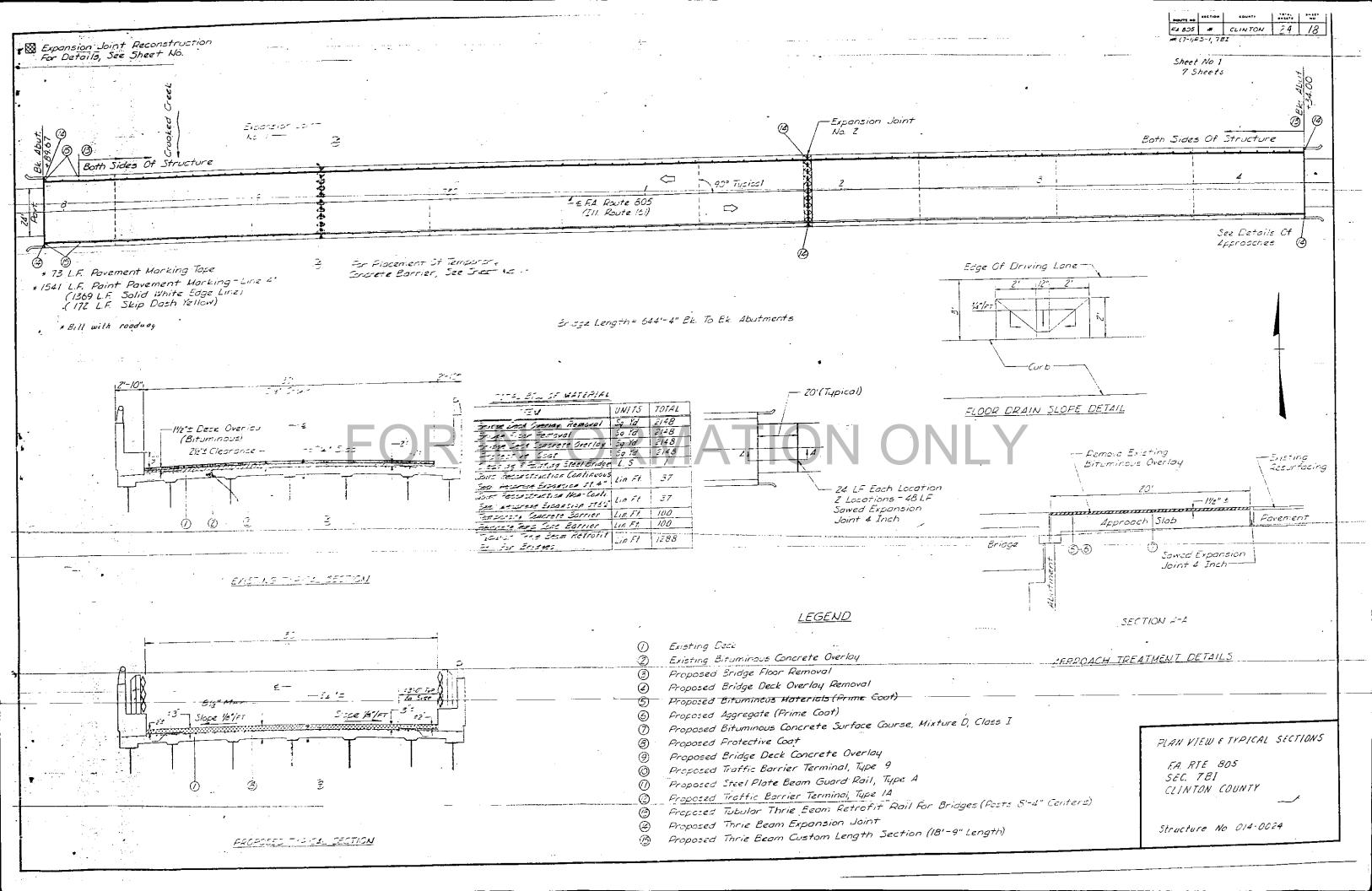
2305-5

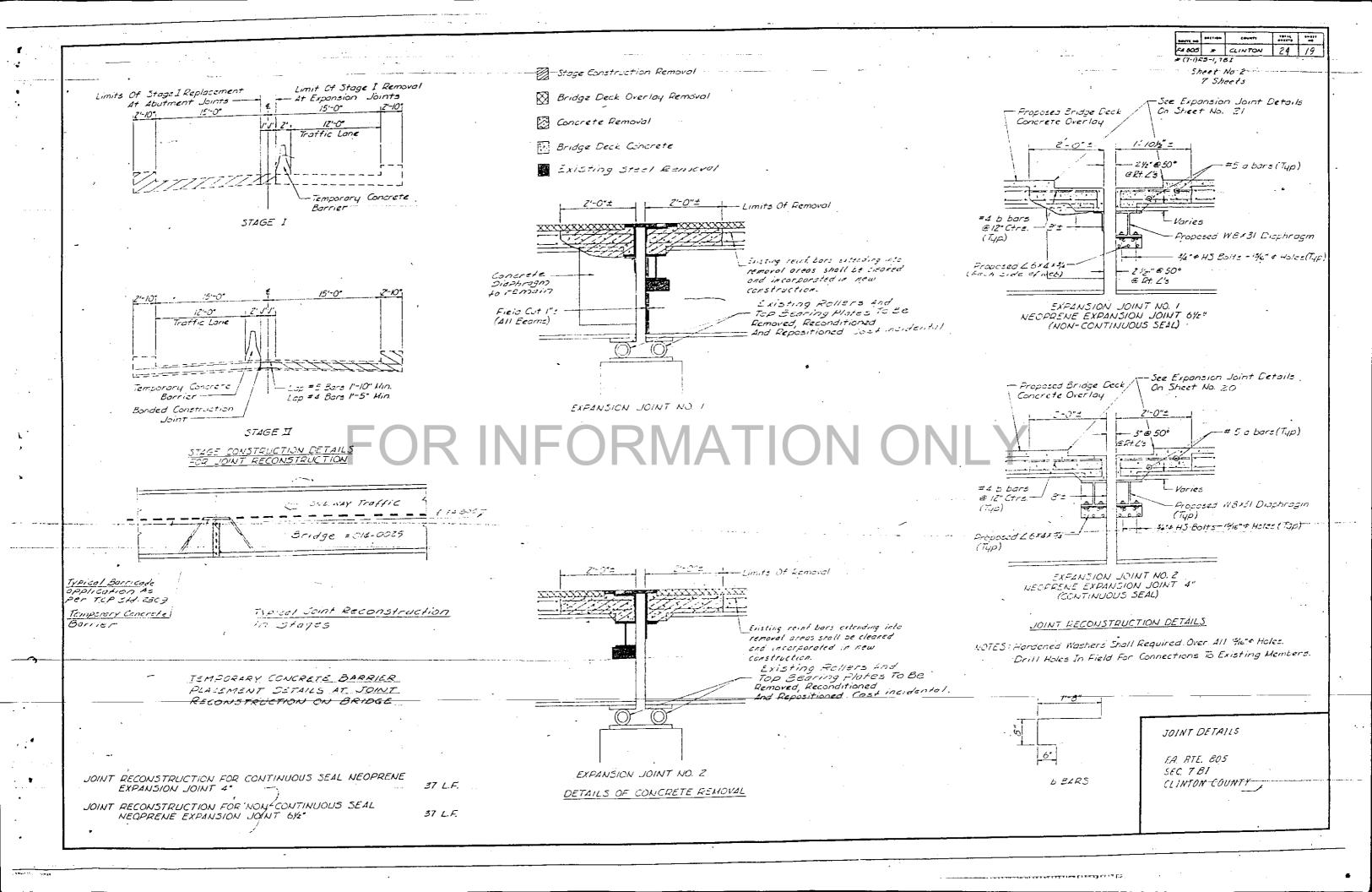
2309-7

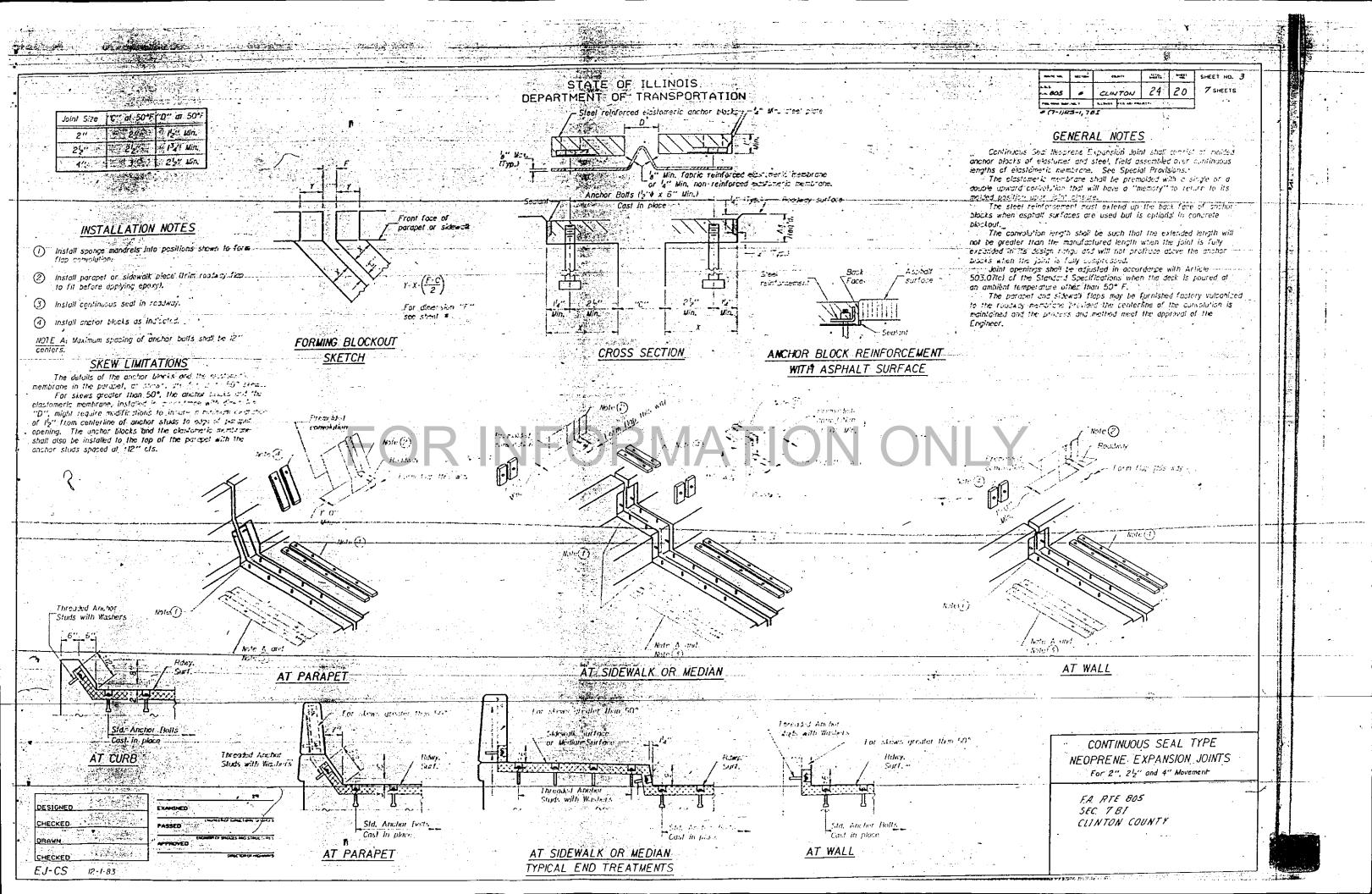
2325-5 2336-3 2346-2 2348-2 2383-1

2299-10 2300-3 2302-5

SECTION(7-1)R5-1, 781 F. A. ROUTE 805







DEPARTMENT OF TRANSPORTATION

NEOPRENE EXPANSION JOINTS (62), (9) and (13)
(See Special Provisions)

(6%) TRANSFLEX, MODEL 650

Supplier General Tire Company $\frac{Blackout \ Dimensions}{T = 3\frac{1}{4}^{n}, \ A = 2\frac{1}{8}^{n}, \ B = 9\frac{7}{8}^{n}}$

(9) TRANSFLEX MODEL 900

General Tire Company

7:4" , A:216". B:124"

(13) TRANSFLEX, MODEL 1300

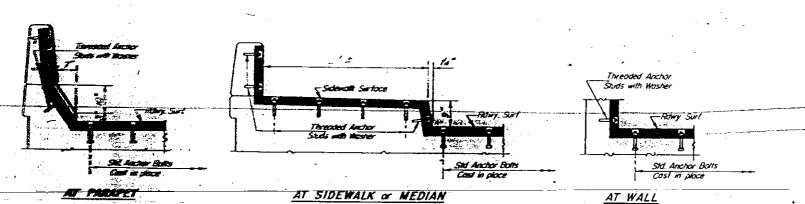
7:54" . A:24" . 8: 175

post menings seed at argumen in accuracy.

523.7 had at the Self Special when the decid is poured at an amount ampointing other than 50° F.

JOHN SOLE	C & 501	"ס"
55	1. 45*	3.
3	52	7.
	2 72"	15

FOR INFORMATION ONLY



TYPICAL END TREATMENTS

NEOPRENE EXPANSION JOINTS For 61, 9" and 13" movements

FA RIE 805 SEC 7 EI CLINTON COUNTY

EJ-T 2-185

(OLF) 1625 L.F. Steel Plate Beam Guard Roll Removal

4 Sa. Trottic Barrier Terminal, Type 9

4 Ea. Traffic Barrier Terminal, Type 14

4 Ea. Traffic Barrier Terminal, Type 14

(625 L.F.)

GUARD RAIL DETAILS AT BRIDGE APPROACHES

For Legend, See Sheet No 18

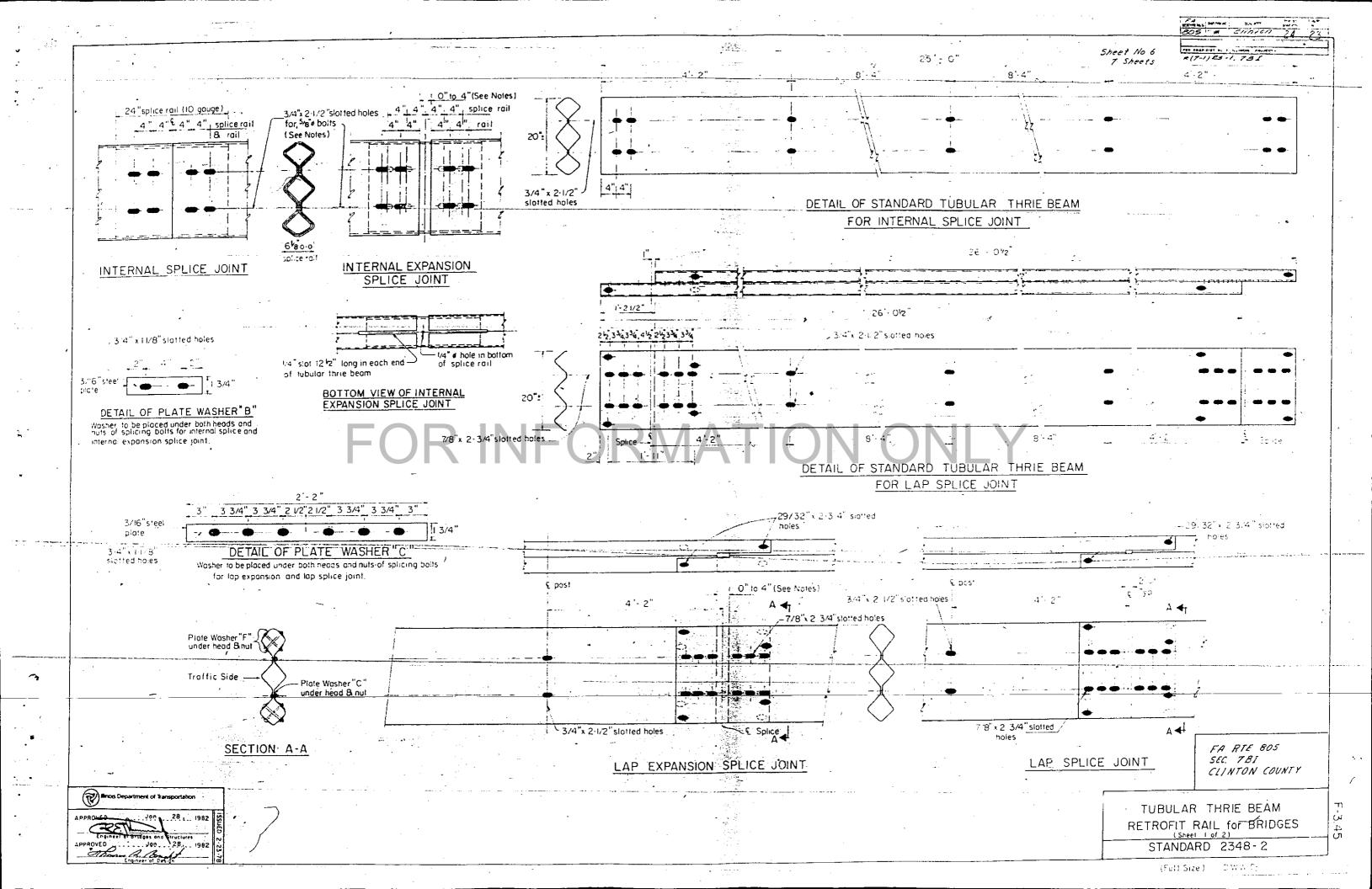
FE 505 M CLINTON 24 CC

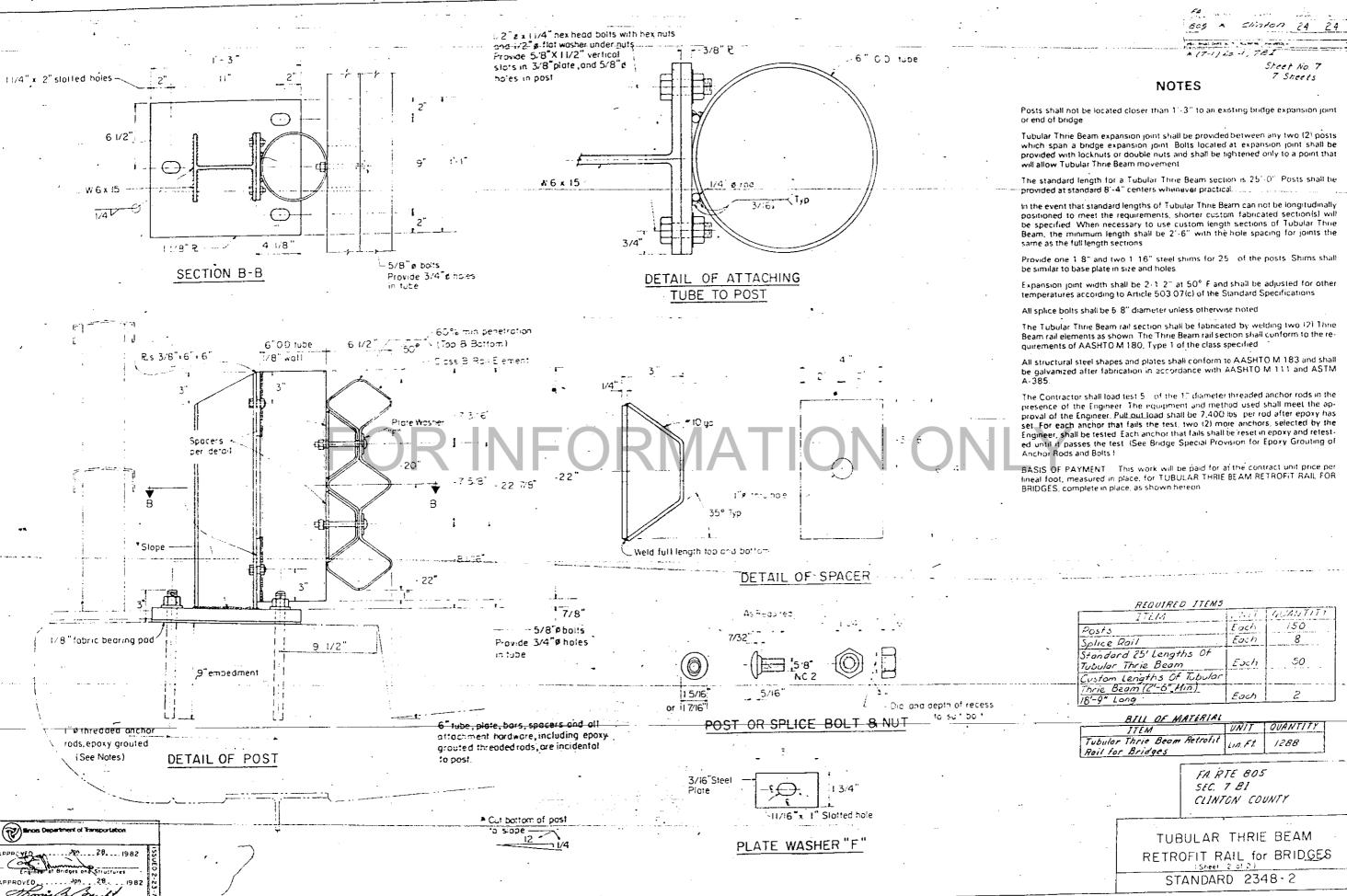
Sheet No. 5 7 Sheets

FOR INFORMATION ONLY

GUARD RAIL APPLICATION

FA RTE 805 SEC. TBI CLINTON COUNTY





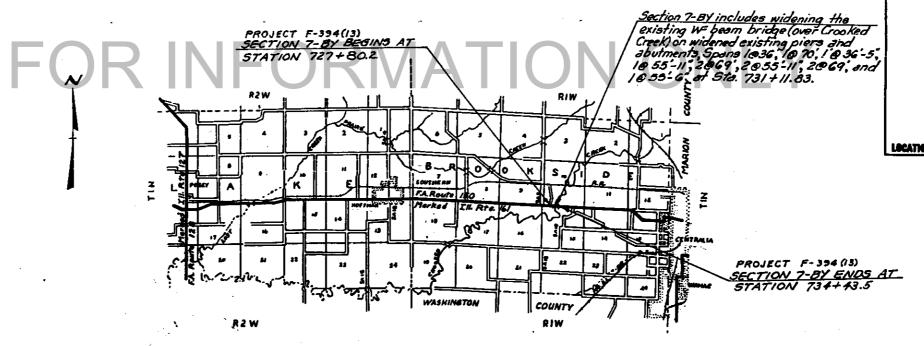
(Full Size) DWW Sr

INDEX OF SHEETS ON SHEET NO.2

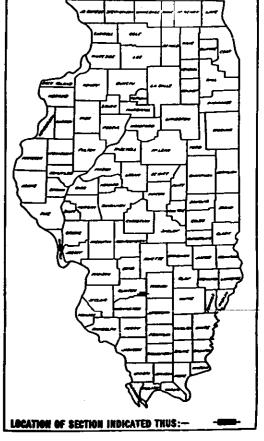
STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SCALES | PLAN | 1 MCH | 160 PT. | PROPILE, MAR. | 1 MCH | 160 PT. | PROPILE, VERT. | 1 MCH | 10 PT. | CROSS-SECTIONS | 1 MCH | 5 PT.

F.A. ROUTE 150, SECTION 7-BY CLINTON COUNTY PROJECT F-394 (I3)







LAYOUT

APPROX. SCALE | INCH + I MILE NET LENGTH 6633FT.= QI26 . MILE = PROJECT LENGTH

ROAD CLASSIFICATION: 430-M-60

DEPARTMENT OF COMM	ERCE
APPROVED	,
DIVISION ENGINEER	DATE

B.M. & N.W. Corner Wingwoll 15' Lt 727' 90 Elev 455.48
Einsting Bridge - Steel I BM with spons os shown 24' Roodway on R.C. Pile
bents Handrail and other Concrete to be removed for
widening Structure. STATE OF ILLINOIS 1974 COT SHEET NO / DEPARTMENT OF PUBLIC WORKS & BUILDINGS Clinton 251 17 4 9 SHEETS DIVISION OF HIGHWAYS -HW Elev 447.9 Channel Elev 448. 75 Chr 666 15 Encorotion ·Sta 734.05 100:0 110:0' Level - Stream Bed Elev 433.7 ELEVATION. Crown Elevations are given at top of existing Concrete plus 0.13 -Ensting Slape wall to remain in place Existing SILLE ADII --to remove a poce Corry Channel Excavation to ROW lines -ROW. Ines 1 Pror 8 510 732 - 39 17 Cr [hi 455 56 (Pher' 1) - S10 133-7717 - Cr (Kev 455 29 BK & Abut Sto 734-34-00 Cr ENEV 455 16 £ Pier *5 Sta 730 - 58.33 Cr Elev 455 63 E PKT 16 510 731+ ET 33 Cr Elev 455.68 1 Par • 9 510 133 • US 17 Cr Elev 455. 46 ER W. Abut | E Pier 1 Sto 727-8967 - Sto 728 - 2700 Or Elev 455 13 ; Cr Elev 455.22 E Pier + 3 5to 729 + 33 4C Cr Elev 455 49 Sto 120 + 89.33 Cr Elev 455.62 LE ROWY (Symm) 1 Pier . 2 Sta 728+97.00 Cr Elev 155 13 69:0 55:11 55 11" 36'0' 70.0 644: 4" BK to BK ADUIS PLAN TOTAL BILL OF MATERIAL SIN 3rd PM Closs X Concrete shall be used throughout except in handrail and posts. Handrail Concrete shall be used in handrail end posts. Araposed Improvement The Concrete Floor Slob shall be finished in accordance with Article 51.19 of the Standard Specifications. Field connections, 4' Rivets open holes 12" except Coarse aggragate used in parapet rail must be absolutely free of chert, flint, limonite, lignite and soft sends tone. All rockers, rollers, bearing plotes, lead plates pintles and Anchor bolts, shall be fabricated and set in occordance with Article 51.15 of the Standard Specifications, and are included in quantity of Struct-... LOCATION .. PLAN

> STATION 751+1L83 BUILT 196 - SY STATE OF ILLINOIS FART ISO SEC. 78Y FA. PROL F-394(13)

LOADING HEO-DIE LETTERING FOR NAME &

Item	Superstr	Substr	R101
Chas X Concrete Outos	3/3:5	13.9	357.4
Hondral Concrete Cultos	23		23
Reinforcement Bors Los	57, G30	4730	62,360
Structural Steel Lbs			282,190
Concrete Removal Cultas	195	30	196
Protective Coat . Selds	-311		.344
Precast Conc Rieskelast		1200	1700
Croansian Balls (8") Loch		96	96
Channel Excandion Culta		7550	7550
Nomes Plates Loch	/		/
Bit Conc Surface Osecrijās	188		188
8A Mot (Prime cool) Gols	214		214
Bridge Deck Season 44	2.45		2:45
Aluminum Handret, Type D Lie Ft.			1285

Contractor shall verify all dimensions in the field before fabricating Structural Steel.

All Cover Plotes and Beams in widened partion shall be Structural Steel. A:3G

GENERAL PLAN É ELEVATION CROOKED CREEK PROJ.F394 (13) FART 150 SEC 7 BY

CLINTON COUNTY STA. 731 + 11.83

See 31 d. 2113

WATERWAY INFORMATION

top of curbs and parapets.

urol Steel.

urol Steel.

Contractor

over Supports.

Dranage Area ------- 109,000 Acres Character -- level rolling, sand clay, woods a cultivated Required Opening --- (30 Year Flood) -- 2900 Sq ft Present Opening --- --- 1581 Sq ft Proposed Opening --- --- 2590 Sq ft Ordinary Water Elev. 4377 Low Water Elev. 436.6

inclusive of the Standard Specifications.

DESIGNED QU & Se CHECKED To Tomak DRAWN SPE CHELLE T. Tamber

Raw 9:1:41 Paraget Rail Add ad

then though that forbut CHT3g MA! How B.C. Abs about to Mount the Abs. 648.

fc · 1400 ps.1. Super fs · 20,000 ps.1. Reinf

DESIGN STRESSES

fs . 20 000 p s i New Beams

ts · 19.000 psi Existing Beams

LOADING HZO-516-44

IN GENERAL HOTE AND THE PORT OF THE PROPERTY COST. IN TOTAL BAL OF MATERIAL ACCOUNTY TO A SECURITY OF THE PROPERTY OF THE PROP

Anchor bolts shall be set before bolting diaphrogms

The roadway expansion plates shall be fabricated and erected to fit the crown of the roadway.

Expansion bolls shall be self drilling expansion

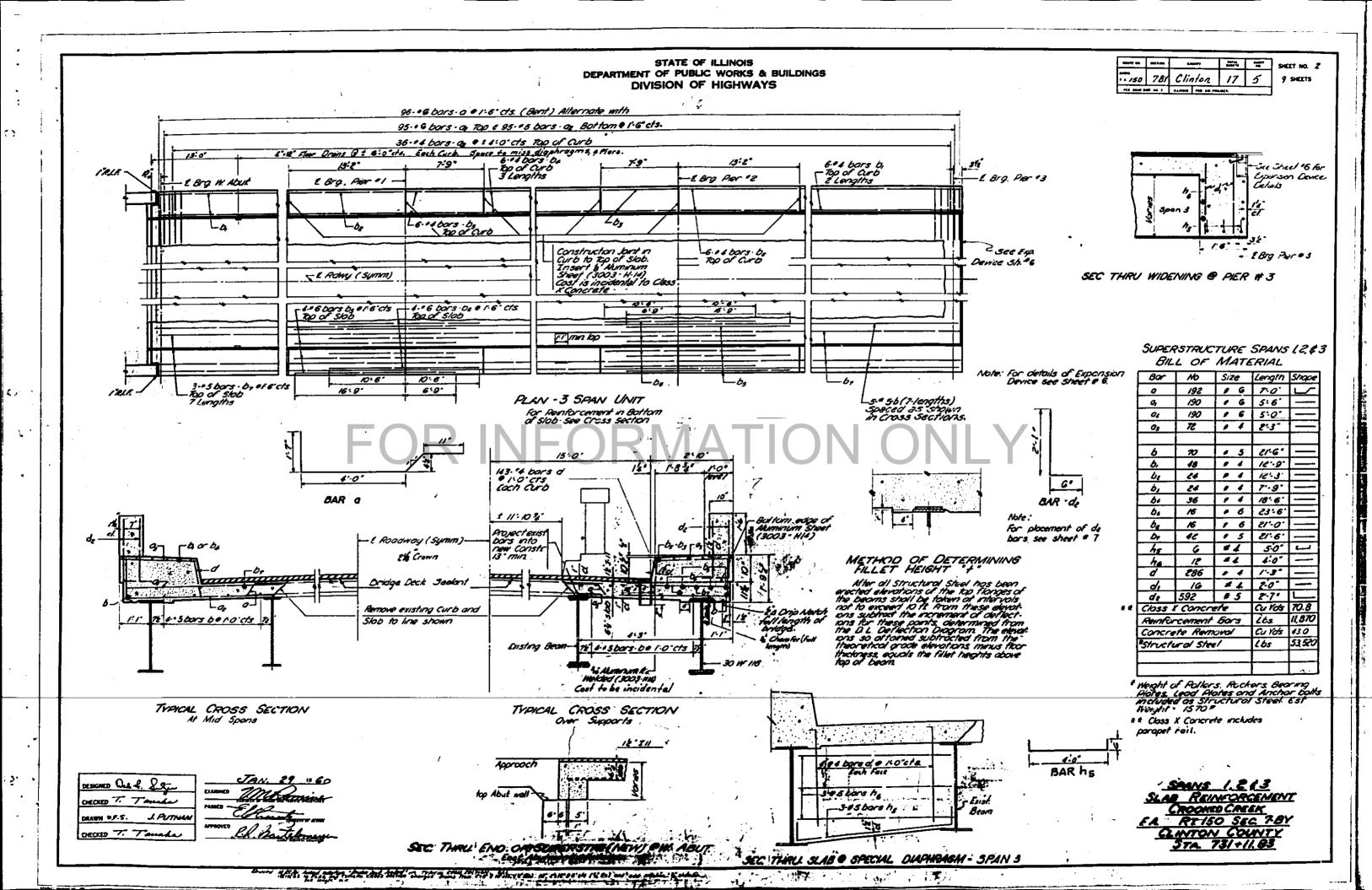
shells with 8° hooked ball. Expansion Guards are included in quantity of Struct-

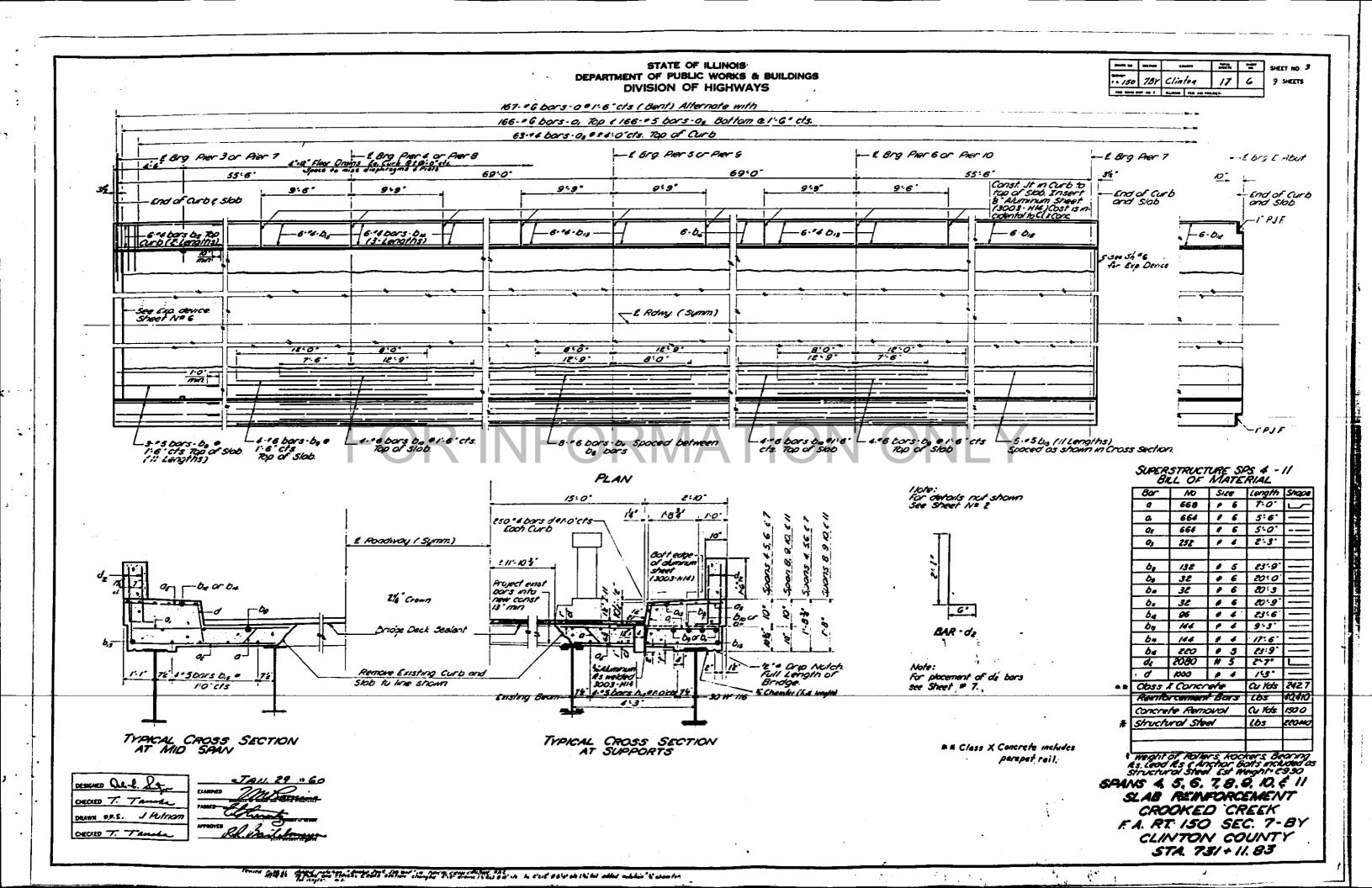
Except as otherwise provided all Structural Steel

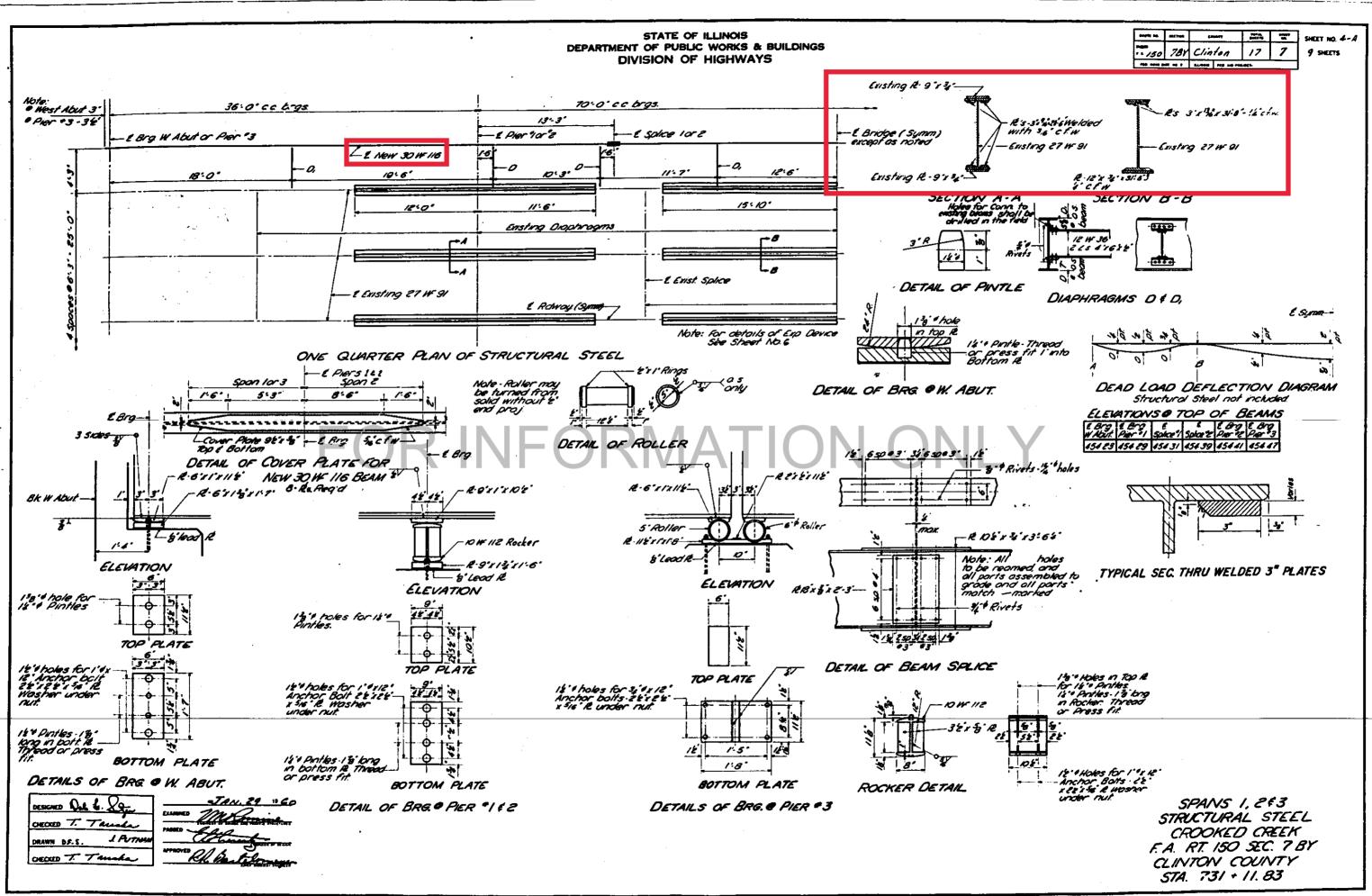
All point shall be furnished and applied by the

Protective Coat is to be applied to the inside face and

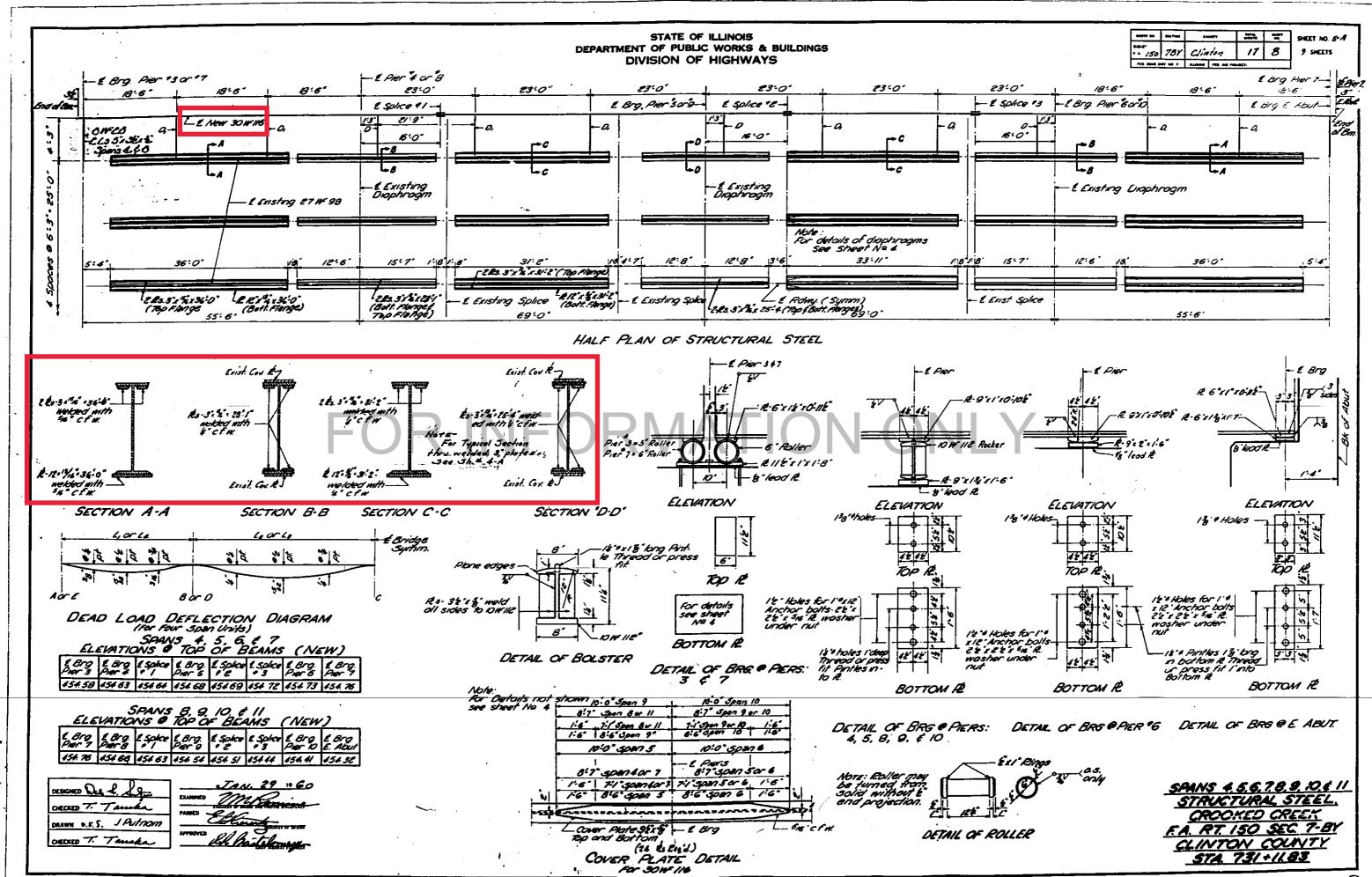
shall receive one shop coat of red lead paint and two field coats of Aluminum paint. See Articles 56.1 to 56.5





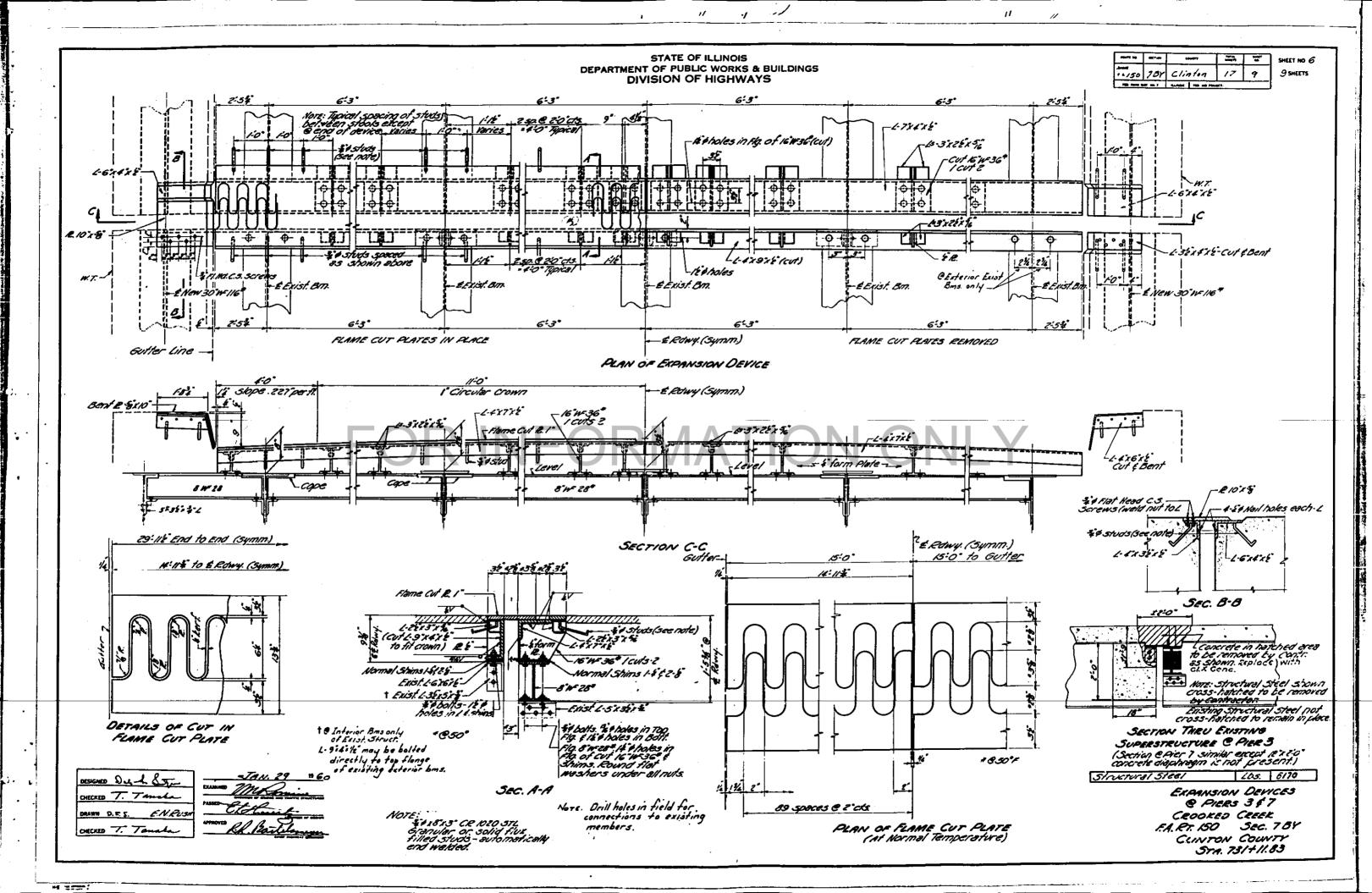


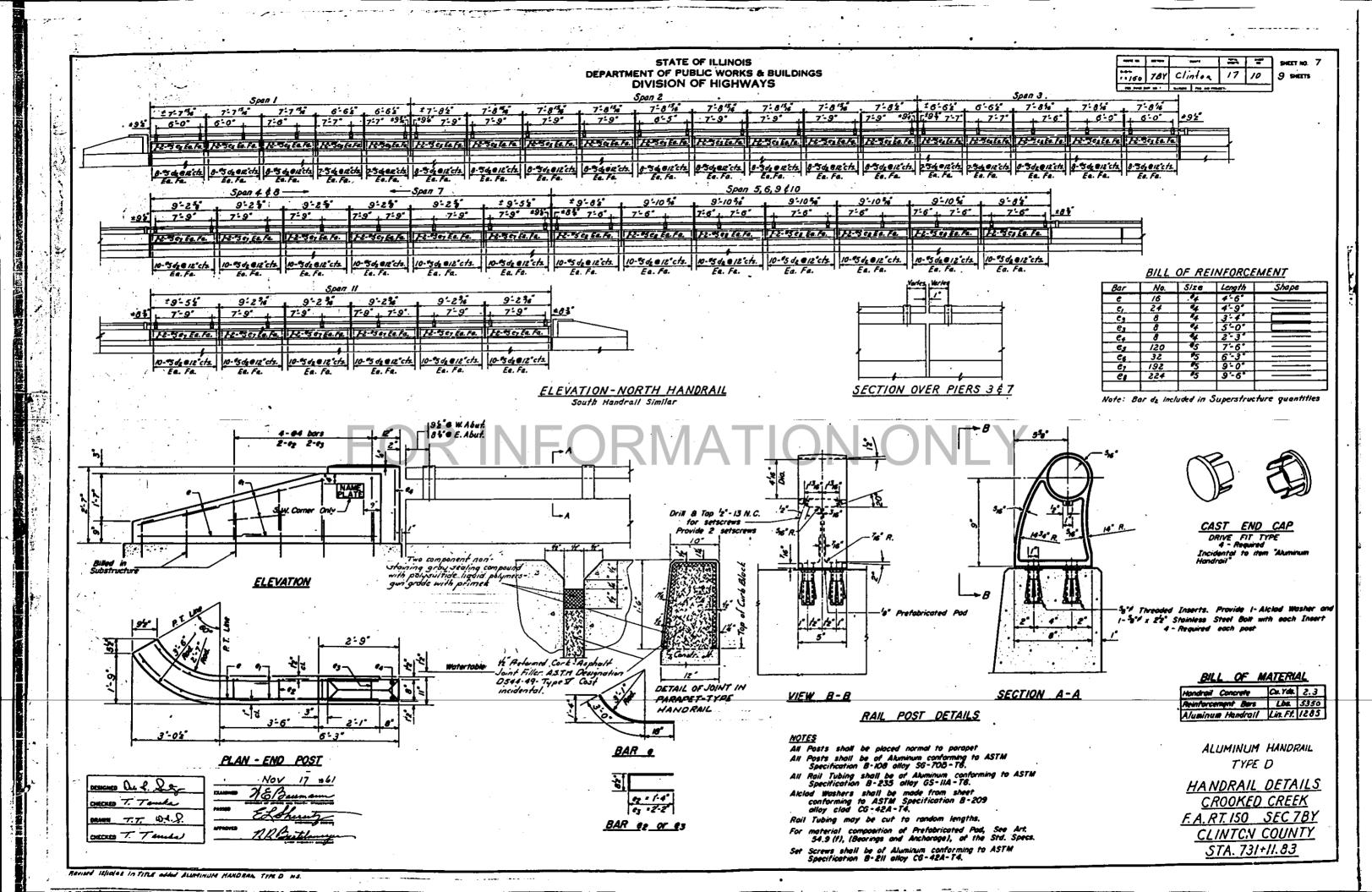
(Revised 2-21-63-Thickness of welded 3' piales increased, Detail of cross section thru plates added. DES)



(Revised 2-21-63 - Thickness of wolded 3" plates increased. Detail 6 cross section thru pigles edded, D.F.S.)

٤





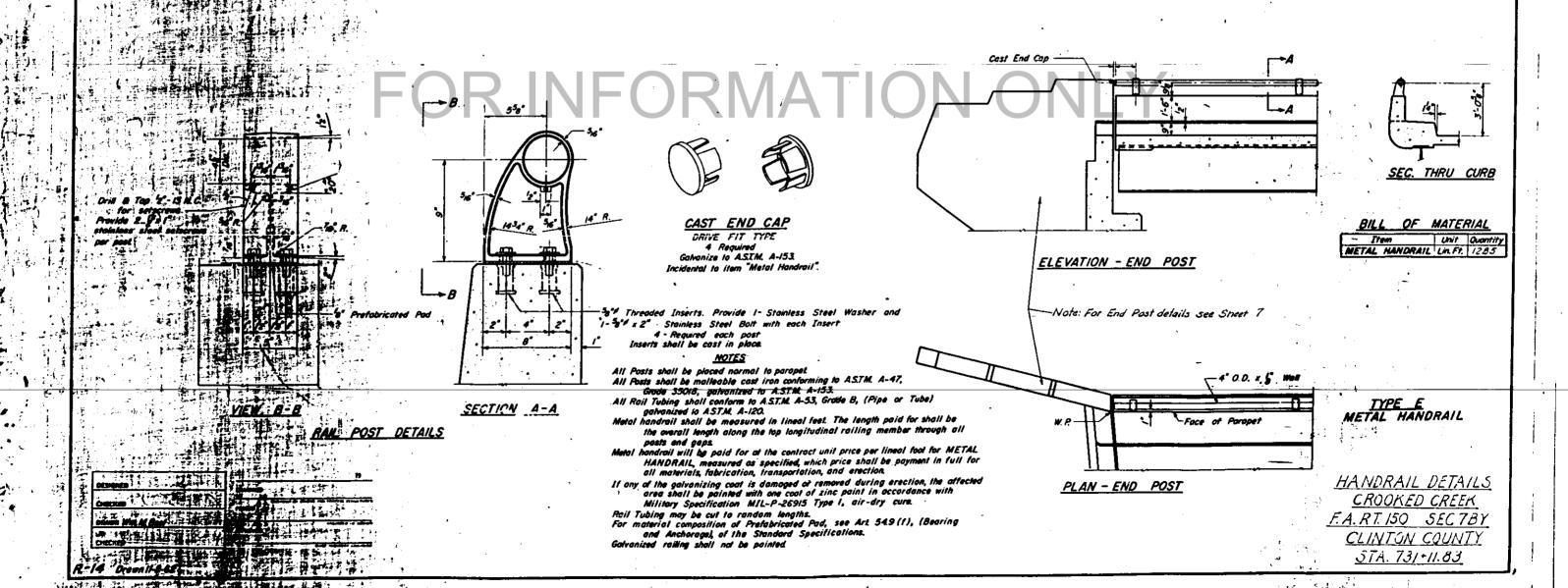
STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BUILDINGS DIVISION OF HIGHWAYS

	}			-	1
11/50	781	clin	ton	17	11
-		-			

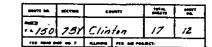
SHEET NO. 7A

9 SHEETS

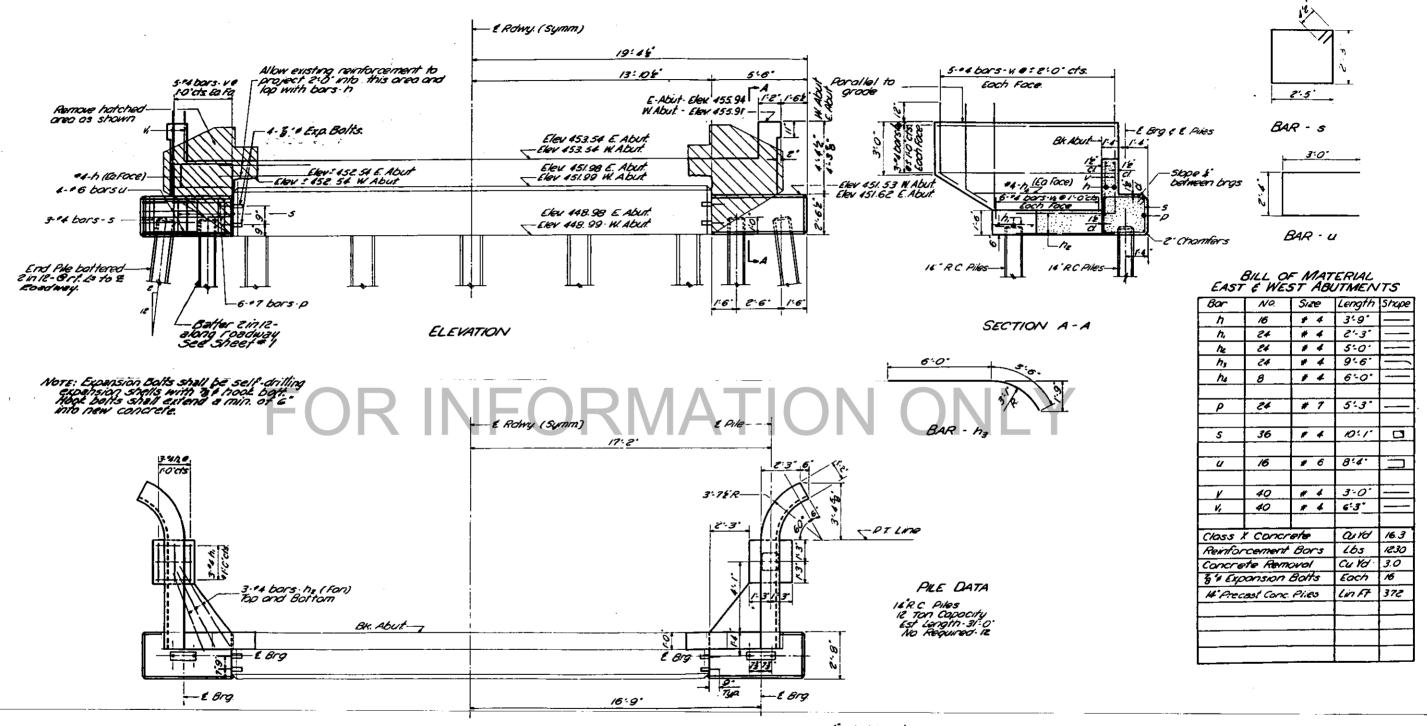
NOTE: FOR RAIL ELEVATION SEE SHEET 7.



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



SHEET NO. 8



PLAN

DESKNED D.L. J. S. S. S. Armus

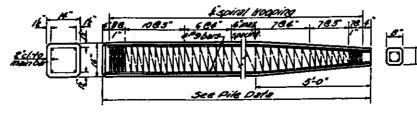
CHE(*ED T. Tamada

CHE(*ED T. Tamada

CHE(*ED T. Tamada

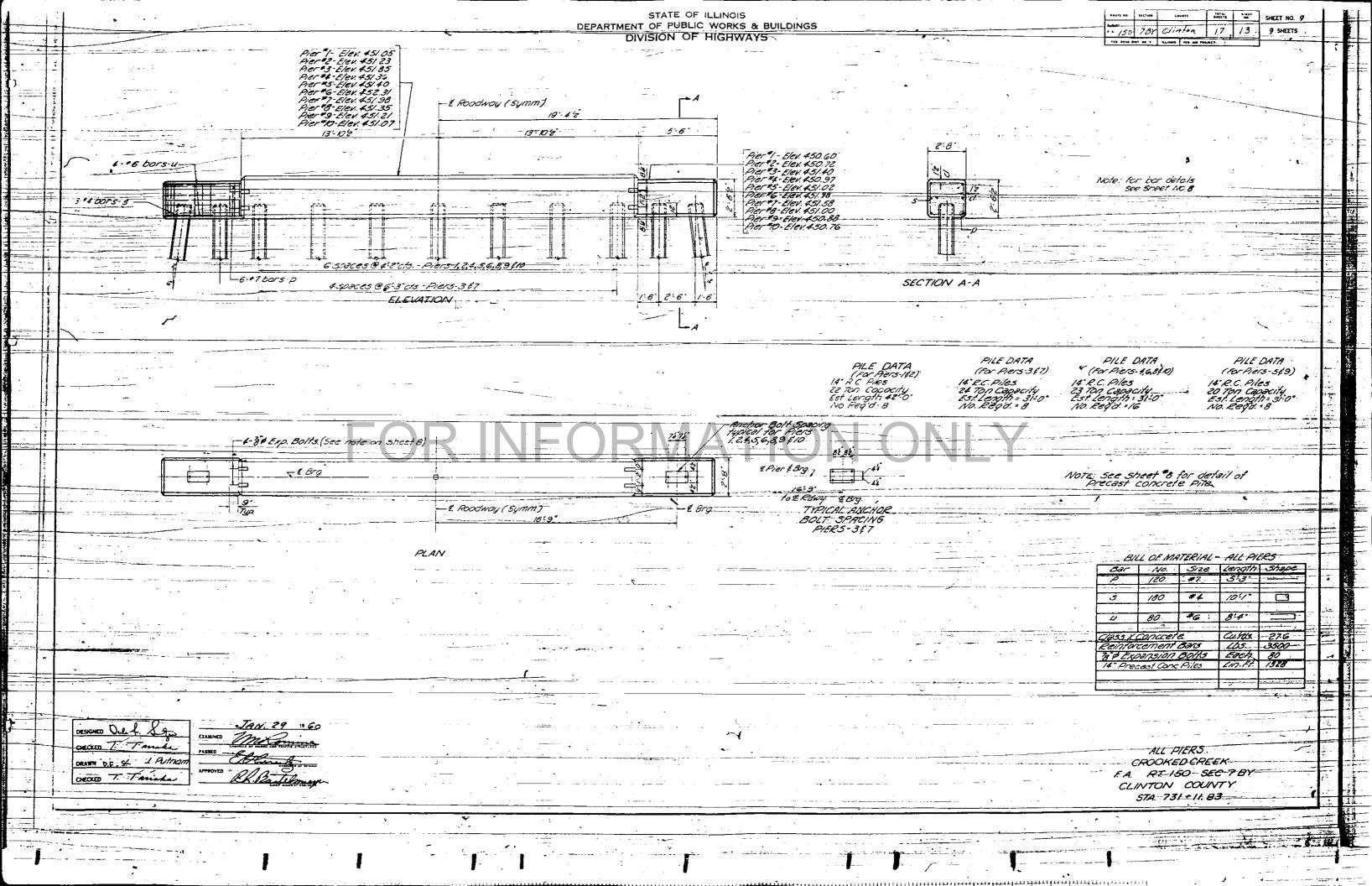
APPROVED R. Bartely Harden

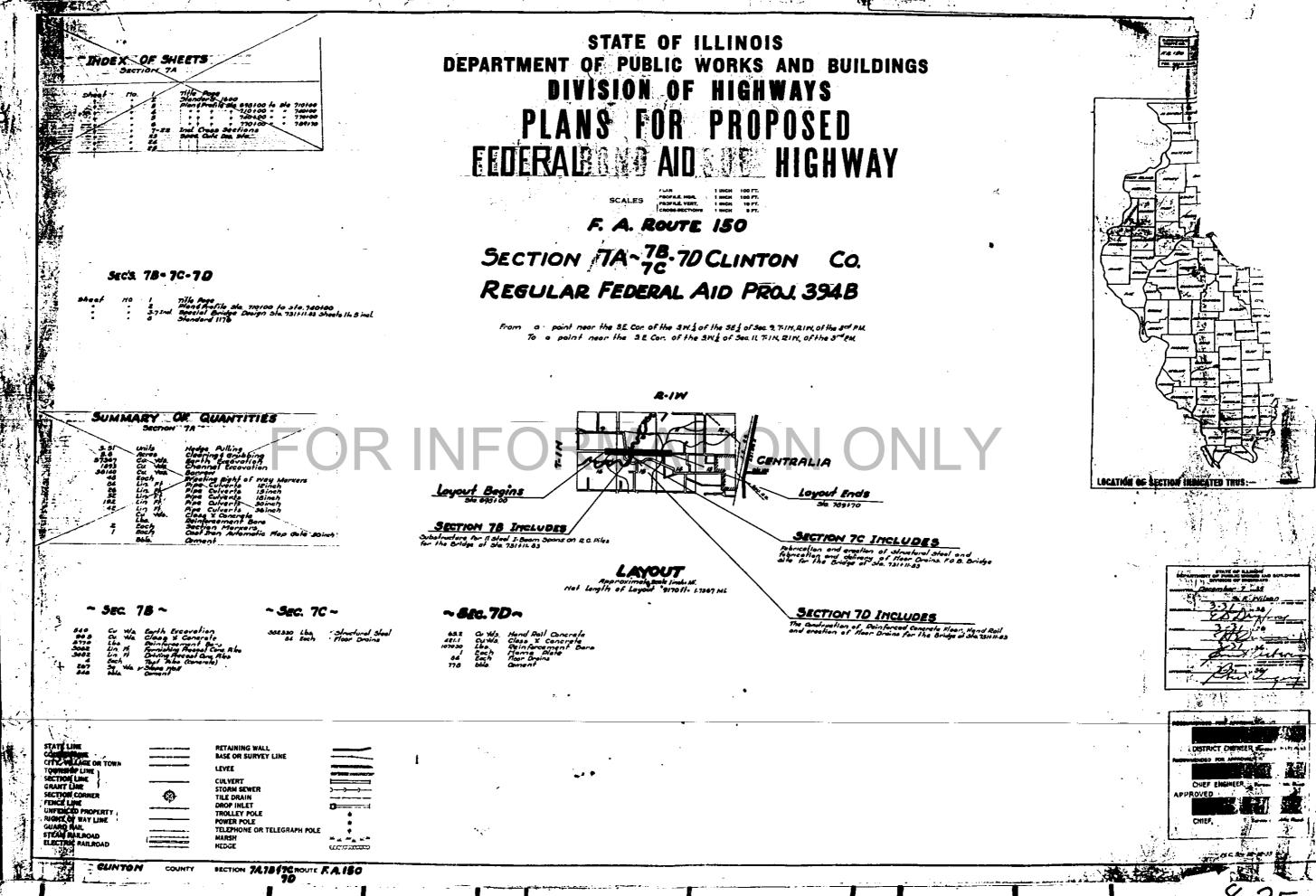
APPROVED R. Bartely Harde



DETAIL OF PRECAST CONCRETE PILE

EAST & WEST ABUTMENTS CROOKED CREEK F.A. RT. 150 SEC 7-BY CLINTON COUNTY STA. 731 +11.83





8-35

