

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1	ILLINOIS	26	1
CONTRACT NO. 78614			*FRANKLIN, JEFFERSON	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 3 - 5

**PROPOSED
HIGHWAY PLANS**

F.A.I. 57 (I-57)
SECTION D9 BRIDGE PAINT 2018-1

VARIOUS STRUCTURES
FRANKLIN & JEFFERSON COUNTIES

TRAFFIC DATA & TOWNSHIPS

I-57 2016 TWO-WAY AADT=34400, 23% TRUCKS

BRIDGE NO. 1
SN. 028-0053
CH 19 2014 AADT=550, 7% TRUCKS
OVER I-57
EWING TOWNSHIP

BRIDGE NO. 2
SN. 028-0054
TR 241 OVER I-57
2014 AADT=450, 8% TRUCKS
BROWNING TOWNSHIP

BRIDGE NO. 3
SN. 028-0055
TR3 2014 AADT=800, 12% TRUCKS
OVER I-57
EWING TOWNSHIP

BRIDGE NO. 4
SN. 028-0056
TR 75 OVER I-57
2004 AADT=25, 0% TRUCKS
EWING TOWNSHIP

BRIDGE NO. 5
SN. 028-0057
FAU 9441 2014 AADT=2650, 10% TRUCKS
OVER I-57
BENTON TOWNSHIP

BRIDGE NO. 6
SN. 028-0061
NORTH RD OVER I-57
2014 AADT=700, 1% TRUCKS
DENNING TOWNSHIP

BRIDGE NO. 7
SN. 028-0062
FAS 1877 OVER I-57
2014 AADT=950, 6% TRUCKS
DENNING TOWNSHIP

BRIDGE NO. 8
SN. 028-0064
DUQUOIN ST. OVER I-57
2014 AADT=1000, 2% TRUCKS
BENTON TOWNSHIP

BRIDGE NO. 9
SN. 041-0058
TR 379 OVER I-57
2016 AADT=175, 6% TRUCKS
ODDS TOWNSHIP

BRIDGE NO. 9
SN. 041-0058
TR 379 OVER I-57
I-57 MILEPOST 90.5

BRIDGE NO. 4
SN. 028-0056
TR 75 OVER I-57
I-57 MILEPOST 76.5

BRIDGE NO. 5
SN. 028-0057
FAU 9441 OVER I-57
I-57 MILEPOST 73

BRIDGE NO. 8
SN. 028-0064
DUQUOIN ST.
OVER I-57
I-57 MILEPOST 72.4

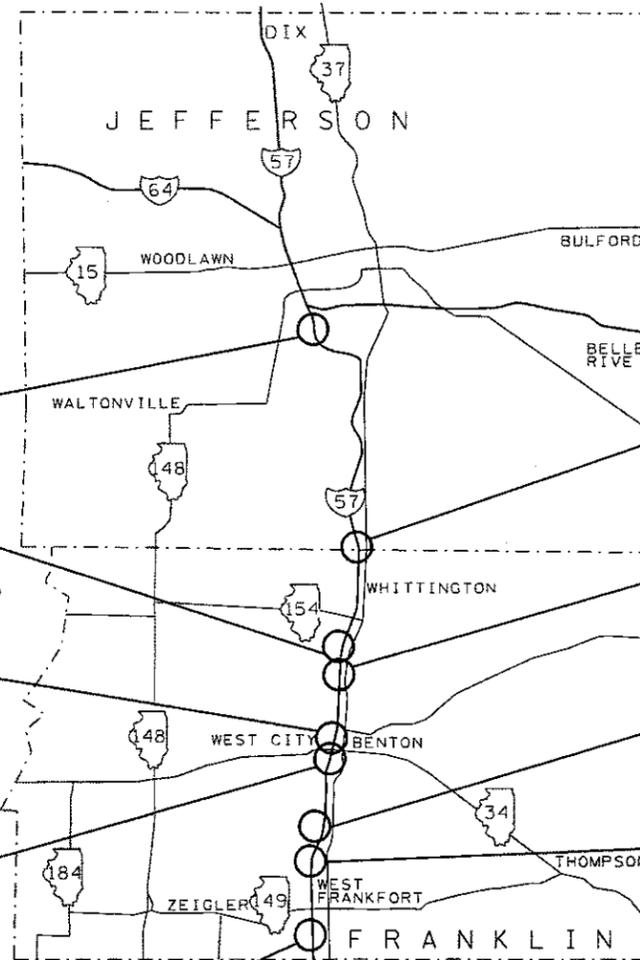
BRIDGE NO. 6
SN. 028-0061
NORTH RD OVER I-57
I-57 MILEPOST 64.2

BRIDGE NO. 3
SN. 028-0055
TR 3 OVER I-57
I-57 MILEPOST 80.7

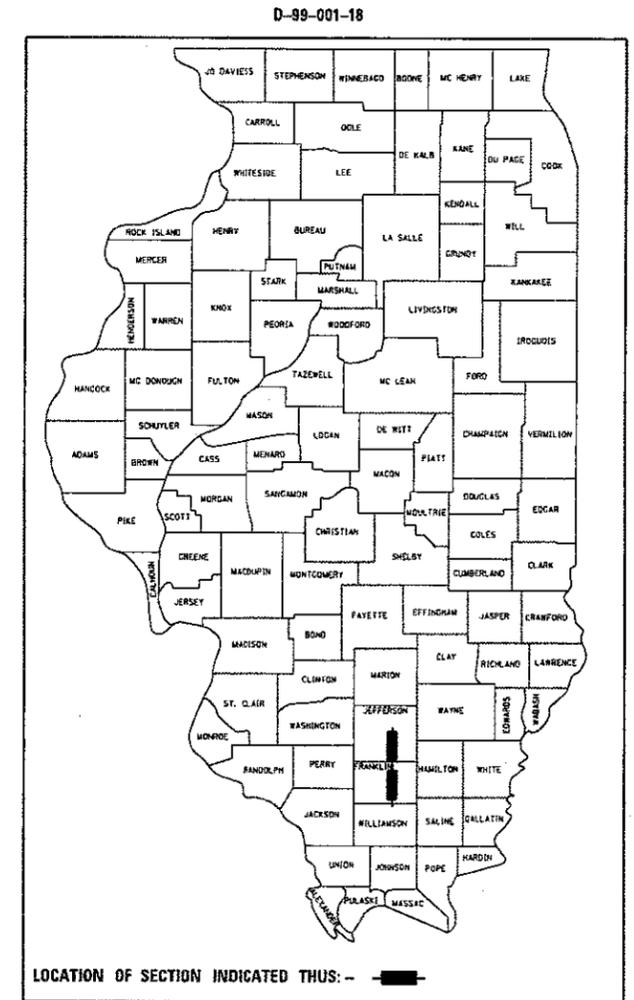
BRIDGE NO. 1
SN. 028-0053
CH 19 OVER I-57
I-57 MILEPOST 75.5

BRIDGE NO. 2
SN. 028-0054
TR 241 OVER I-57
I-57 MILEPOST 69.4

BRIDGE NO. 7
SN. 028-0062
FAS 1877 OVER I-57
I-57 MILEPOST 68.4



C-99-001-18



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

PROJECT ENGINEER: DAVID PICHE (618) 351-5227
PROJECT DESIGNER: RITA GAUTNEY

CONTRACT NO. 78614

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 12 2017
Jeffrey S. Keim
REGION FIVE ENGINEER

Nov 30 2017
Marcus M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Nov 30 2017
David A. ...
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, AIR MONITORS
3-5	SUMMARY OF QUANTITIES
6	TYPICAL STAGE CONSTRUCTION DETAIL
7, 8	TYPICAL SHOULDER CLOSURE DETAILS
9-26	EXISTING STRUCTURE PLANS (FOR INFORMATION)

HIGHWAY STANDARDS

701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-11	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

GENERAL NOTES

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS •CLEANING AND PAINTING EXISTING STEEL STRUCTURES• AND •CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES•. ALL EXISTING STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING • SSPC-SP10. ALL EXISTING STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. 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 REDDISH BROWN (MUNSELL NO. 2.5YR 3/4).

A MINIMUM OF 21 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THE LOCATIONS SHOWN IN THE AIR MONITORS TABLE. SEE SPECIAL PROVISION •CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES•.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED TO CHANNEL TRAFFIC AT SIDE ROADS, COMMERCIAL AND/OR PRIVATE ENTRANCES AS DIRECTED BY THE ENGINEER. THE TRAFFIC CONTROL DEVICES ARE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION STANDARDS USED AT THE SITE, AND WILL NOT BE PAID FOR SEPARATELY.

QUANTITY CALCULATIONS FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER ARE BASED ON WORKING THE EAST (NORTHBOUND TRAFFIC) AND WEST (SOUTHBOUND TRAFFIC) PORTIONS OF THE BRIDGE SIMULTANEOUSLY ON EACH STRUCTURE, AND MAY BE ADJUSTED ACCORDING TO ARTICLE 109.03 OF THE STANDARD SPECIFICATIONS.

THE QUANTITY FOR RELOCATE TEMPORARY CONCRETE BARRIER IS BASED ON RELOCATING THE BARRIER ONE TIME AT EACH STRUCTURE. ANY PAYMENT FOR ADDITIONAL RELOCATION WILL BE MADE ACCORDING TO ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

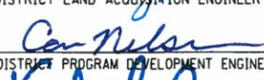
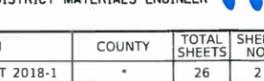
THE EXISTING STEEL COATINGS CONTAIN LEAD. THE CONTRACTOR SHOULD TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

THE CONTRACTOR IS REQUIRED TO BE SSPC QP1 AND SSPC QP2 CERTIFIED.

COMMITMENTS: NONE AS OF 10/20/17

AIR MONITORS

STRUCTURE NO.	MINIMUM NUMBER OF AIR MONITORS
028-0053	1
028-0054	3
028-0056	1
028-0057	4
028-0061	3
028-0062	4
028-0064	3
041-0058	2
TOTAL	21

Prepared By:		DISTRICT STUDIES & PLANS ENGINEER
Examined By:		DISTRICT LAND ACQUISITION ENGINEER
Examined By:		DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:		DISTRICT OPERATIONS ENGINEER
Examined By:		DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:		DISTRICT CONSTRUCTION ENGINEER
Examined By:		DISTRICT MATERIALS ENGINEER

MODEL: Defaulr FILE NAME: \\NLSBAE\HNTBEG\Illinois\pww\1001\Documents\BIDD\T\028-003\8\CAD\Drawings\CAD\Sheet53.rvt

USER NAME = gautneyrk	DESIGNED =	REVISED = MJS 11-7-2017
	DRAWN =	REVISED =
PLOT SCALE = 100.0000 ' / in.	CHECKED =	REVISED =
PLOT DATE = 10/6/2017	DATE =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS
GENERAL NOTES, AIR MONITORS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1	*	26	2
CONTRACT NO. 78614			ILLINOIS	
FED. AID PROJECT NHP-66(1996)				

SUMMARY OF QUANTITIES (CONT'D)

FUNDING:	100 % STATE (0047)								
COUNTY:	FRANKLIN								JEFFERSON
LOCATION:	RURAL	RURAL	RURAL	RURAL	URBAN	URBAN	RURAL	URBAN	RURAL
BRIDGE NO.:	1	2	3	4	5	6	7	8	9

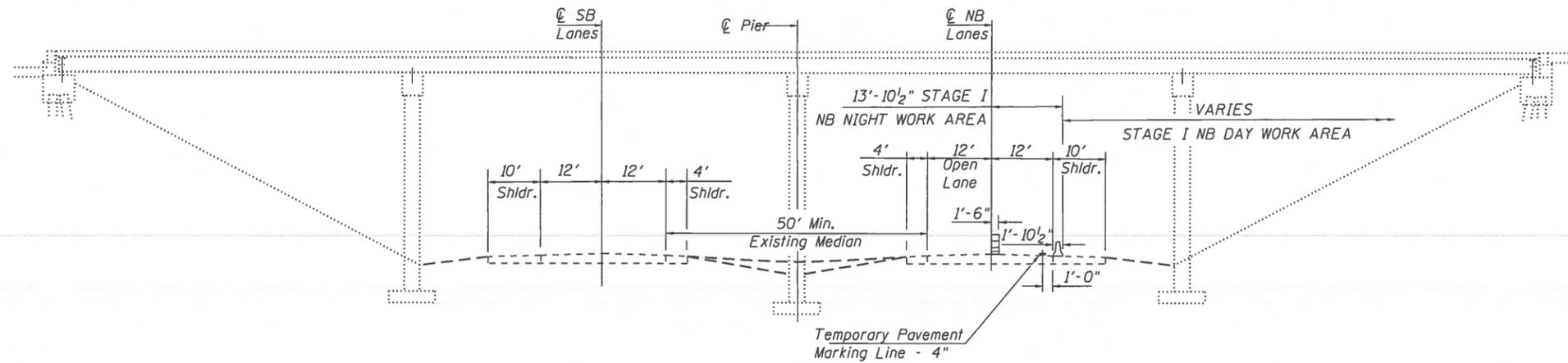
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SN 028-0053	SN 028-0054	SN 028-0055	SN 028-0056	SN 028-0057	SN 028-0061	SN 028-0062	SN 028-0064	SN 041-0058
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1	--	--	1	--	--	--	--	--	--
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1	--	--	--	1	--	--	--	--	--
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1	--	--	--	--	1	--	--	--	--
Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1	--	--	--	--	--	1	--	--	--
Z0007107	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1	--	--	--	--	--	--	1	--	--
Z0007108	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 8	L SUM	1	--	--	--	--	--	--	--	1	--
Z0007109	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 9	L SUM	1	--	--	--	--	--	--	--	--	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	--	--	--	--	--	--	--	--
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	--	1	--	--	--	--	--	--	--
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1	--	--	1	--	--	--	--	--	--
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1	--	--	--	1	--	--	--	--	--
Z0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1	--	--	--	--	1	--	--	--	--
Z0010506	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1	--	--	--	--	--	1	--	--	--
Z0010507	CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1	--	--	--	--	--	--	1	--	--

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

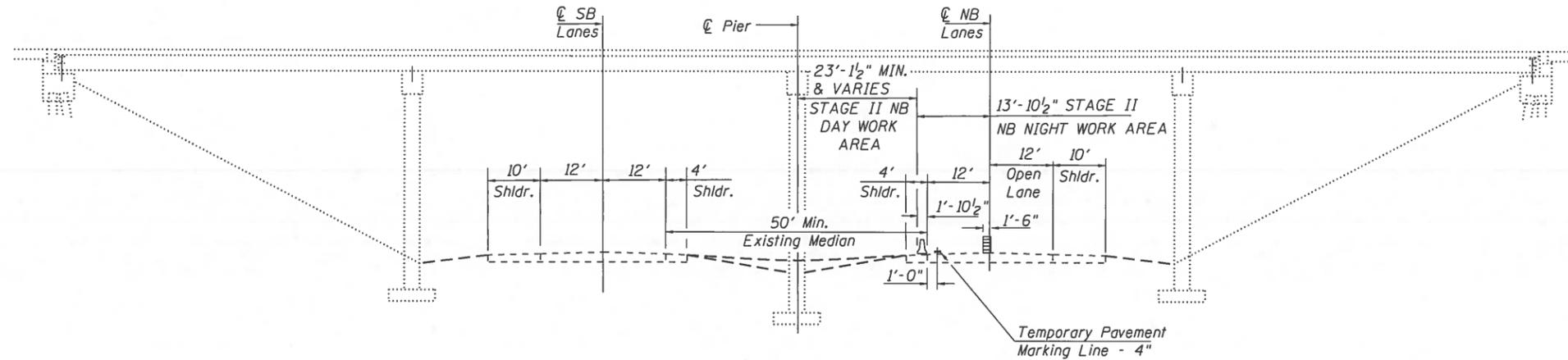
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	4
CONTRACT NO. 78614				
ILLINOIS FED. AID PROJECT NHP-66V9961				

MODEL D9001
 FILE NAME BY: ILL08BEMENDATEG Illinois Dept. of Transportation
 OFFICE: D:\Projects\2018\2018-1\BILLS\09_028-0018CAD0019\CAD\0019.dgn



**TYPICAL BRIDGE
STAGE I CONSTRUCTION
SHOWING NB LANES
SB LANES SIMILAR BY 180° ROTATION
(LOOKING NORTH)**



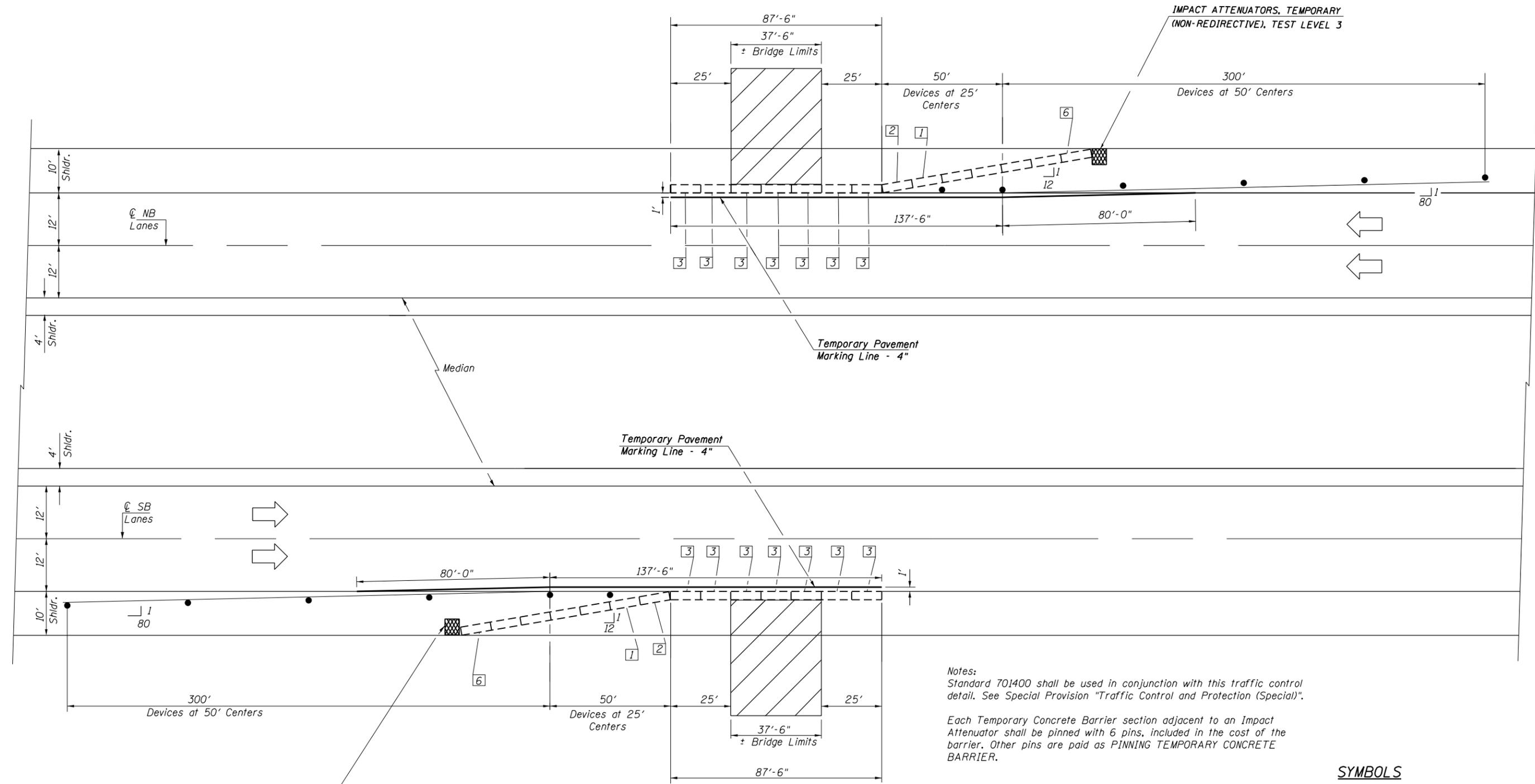
**TYPICAL BRIDGE
STAGE II CONSTRUCTION
SHOWING NB LANES
SB LANES SIMILAR BY 180° ROTATION
(LOOKING NORTH)**

STRUCTURES

028-0053, 028-0054, 028-0055,
028-0056, 028-0057, 028-0061,
028-0062, 028-0064, 041-0058.

FILE NAME =	USER NAME = gautneyrk	DESIGNED - RKG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\IL084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\Delaware\149-028-0038\CADData\Design\DXF\REVISED.dgn	PLLOT SCALE = 2:0" = 1' / in.	CHECKED -	REVISED -			57	D9 BRIDGE PAINT 2018-1	*	26	6	
PLLOT DATE = 10/6/2017	DATE -	REVISED -	REVISED -			CONTRACT NO. 78614					
						ILLINOIS	FED. AID PROJECT NHPP-P6VI19961				

*FRANKLIN, JEFFERSON

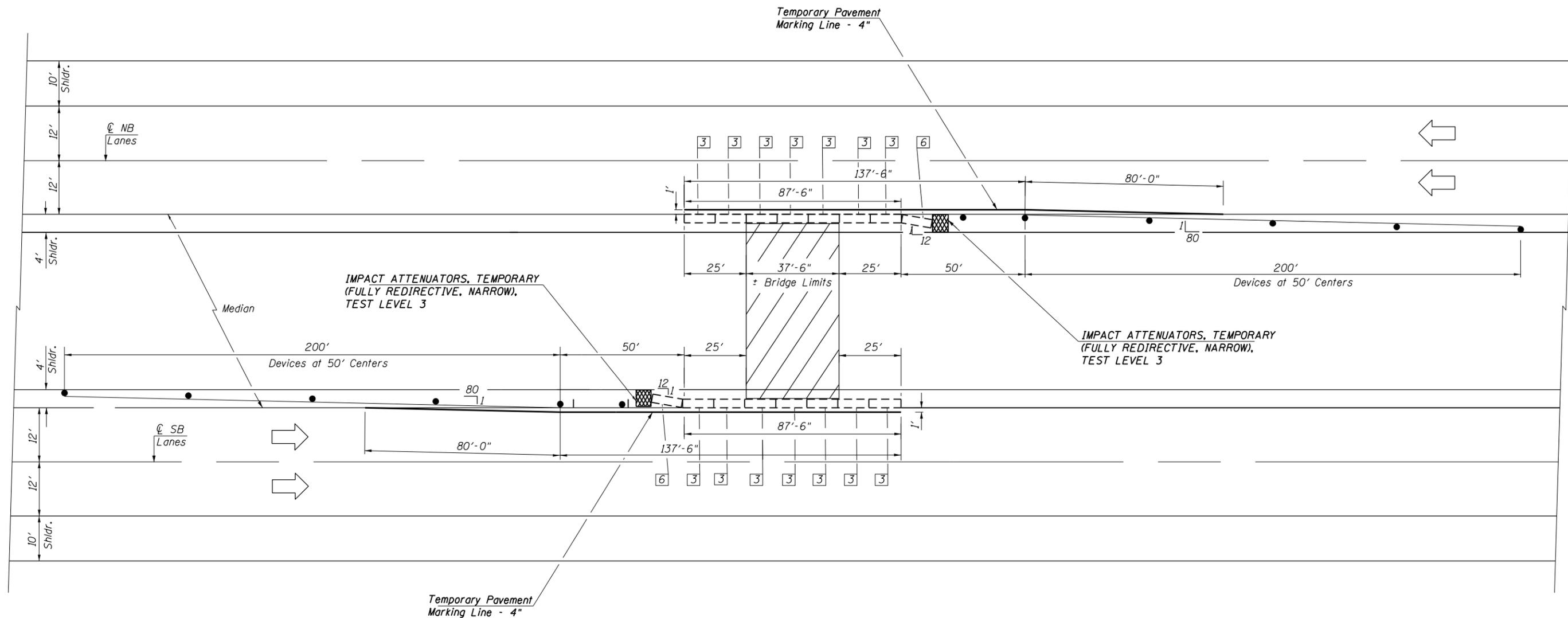


Notes:
 Standard 701400 shall be used in conjunction with this traffic control detail. See Special Provision "Traffic Control and Protection (Special)".
 Each Temporary Concrete Barrier section adjacent to an Impact Attenuator shall be pinned with 6 pins, included in the cost of the barrier. Other pins are paid as PINNING TEMPORARY CONCRETE BARRIER.

SYMBOLS

[X]	Number of pins in Temporary Concrete Barrier
[Hatched Box]	Work Area
[Dashed Line]	Temporary Concrete Barrier. See Standard 704001
[Dot]	Type II Barricade, Drum, Or Vertical Barricade With Steady Burn Monodirectional Light. See Standard 701901.
[Solid Line]	Temporary Pavement Marking Tape. Yellow Along 4' Shoulder. White Along 10' Shoulder.

TYPICAL STAGE I SHOULDER CLOSURE - PLAN VIEW



Notes:
 Standard 701400 shall be used in conjunction with this traffic control detail. See Special Provision "Traffic Control and Protection (Special)".

Each Temporary Concrete Barrier section adjacent to an Impact Attenuator shall be pinned with 6 pins, included in the cost of the barrier. Other pins are paid as PINNING TEMPORARY CONCRETE BARRIER.

SYMBOLS

x	Number of pins in Temporary Concrete Barrier
/ /	Work Area
- - - -	Temporary Concrete Barrier. See Standard 704001
●	Type II Barricade, Drum, Or Vertical Barricade With Steady Burn Monodirectional Light. See Standard 701901.
—	Temporary Pavement Marking Tape. Yellow Along 4' Shoulder. White Along 10' Shoulder.

TYPICAL STAGE II SHOULDER CLOSURE - PLAN VIEW

3 M Concrete Monument 150 Ft. Lt. of
Sta. 283 + 62 Elev. 440.81

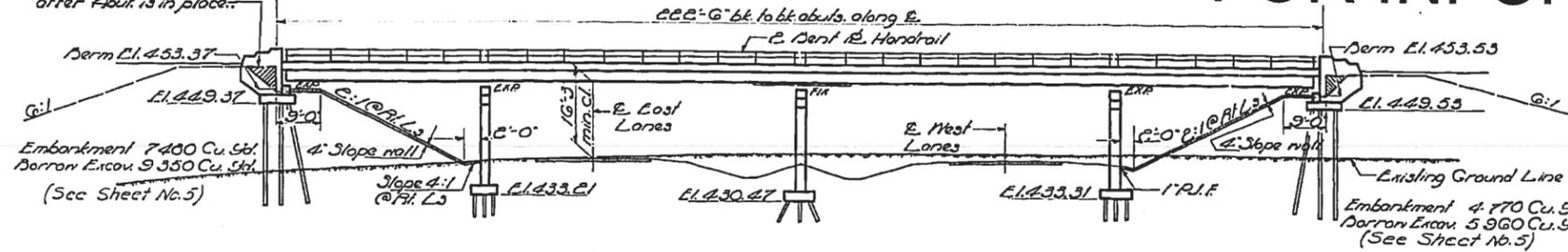
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	28-2	FRANKLIN	29	7

SHEET NO. 1
// SHEETS

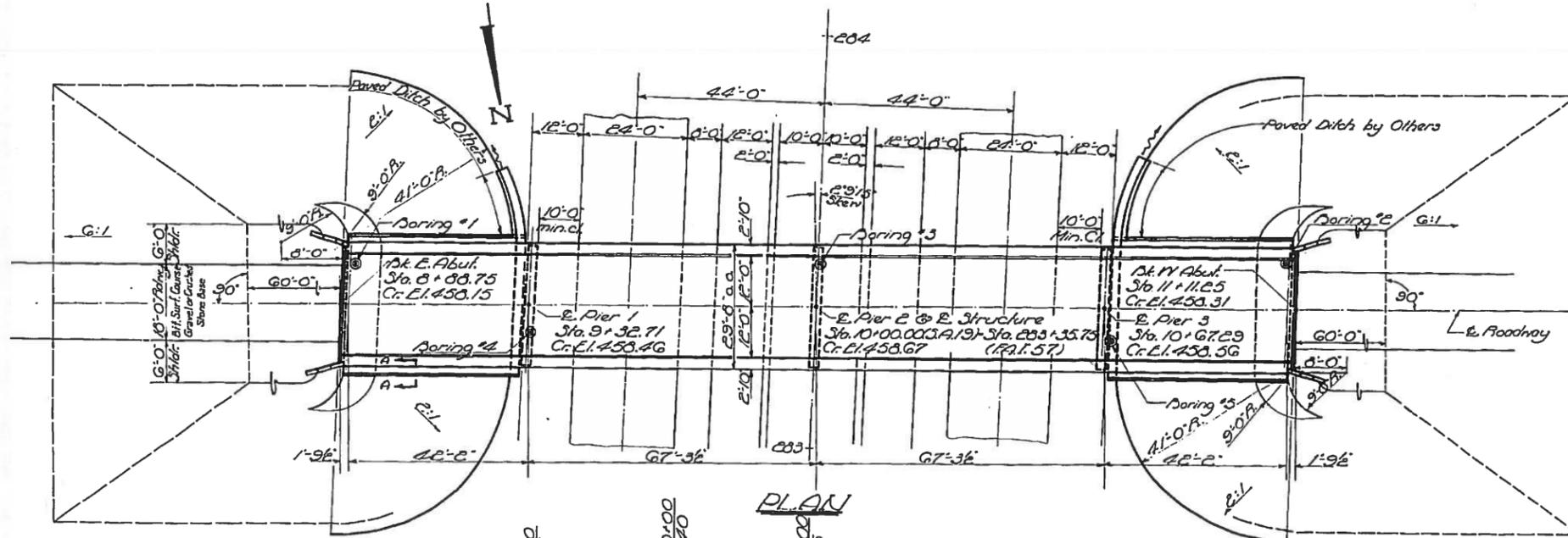
FOR INFORMATION ONLY

This portion of Embankment
Backfill by Bridge Contractor
after Abut. is in place.



GENERAL NOTES
Class A Concrete shall be used throughout.
The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
The curb and slab outside of longitudinal construction joints, shown on cross section, shall be poured monolithically.
Permanent forms will not be permitted in forming the concrete floor.
Slope Wall shall be reinforced with welded wire fabric G x G" mesh, #2 wires, weighing 50# per 100 sq. ft.
Fivets 3/4" Open holes 1/4" unless noted.
Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, lignite, limonite and soft sandstone.

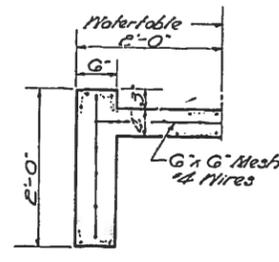
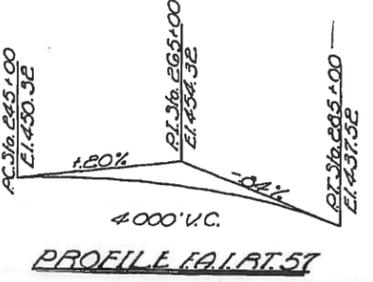
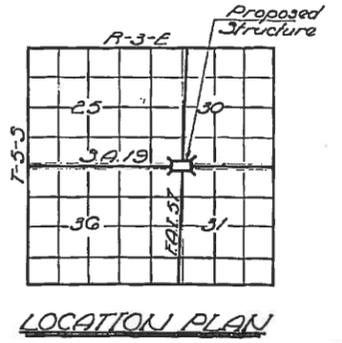
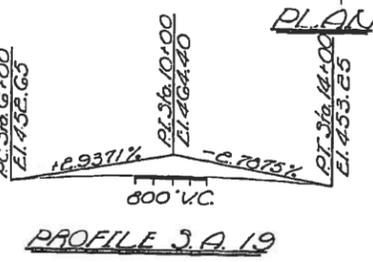
All bolsters, rockers, bearing plates, lead plates, shim plates, girdles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Estimated Weight 6335 lbs.
Anchor bolts shall be set before riveting diaphragms over supports. Shear connectors are included in quantity of Structural Steel. Total No. 1380 @ Est'd. Weight 6671 lbs.
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications. All paint shall be furnished and applied by the Contractor.
The Contractor shall drive 2 test piles as directed by the Engineer; one timber test pile near Pier #2 and one concrete test pile in a permanent location at N. Abut. before ordering remainder of piles.
Piles at the Abutments shall driven in holes prepared through the embankment to the natural ground line in accordance with Article 60.9(C) of the Standard Specifications.
Permanent forms will not be permitted in forming the concrete floor. *



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Class A Excavation for Structures	Cu. Yd.		220	220
Class A Concrete	Cu. Yd.	178.0	10.46	188.46
Structural Steel	Pound	137700	12.5	137700
Metal Handrail	Lin. Ft.	4.40		4.40
Reinforcement Bars	Pound	34160	15070	49230
Crested Piles	Lin. Ft.		810	810
Test Piles (Timber)	Each		1	1
Concrete Piles	Lin. Ft.		765	765
Test Piles (Concrete)	Each		1	1
Name Plates	Each		2	2
Slope Wall 4"	Sq. Yd.		375	375
Protective Coat	Sq. Yd.	779		779

STATION 283 + 35.75
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 - SEC. 28-24B-1
F.A. PROJ. I-57-2 (35)
LOADING H15-312
NAME PLATE
See Sht. 2113



DESIGN STRESSES
F_c = 1400 p.s.i. Super & Sub
F_c = 75 p.s.i. Footings
F_s = 20 000 p.s.i. Reinft.
F_s = 20 000 p.s.i. Struct. (A-36 Steel)
n = 10
LOADING H15-312-44

028-0053

GENERAL PLAN & ELEVATION
PROJECT I-57-2 (35) 73
J.A.R.T. 19 OVER F.A.I.R.T. 57
F.A.I.R.T. 57 - SEC. 28-24B-1
FRANKLIN COUNTY
STATION 283 + 35.75

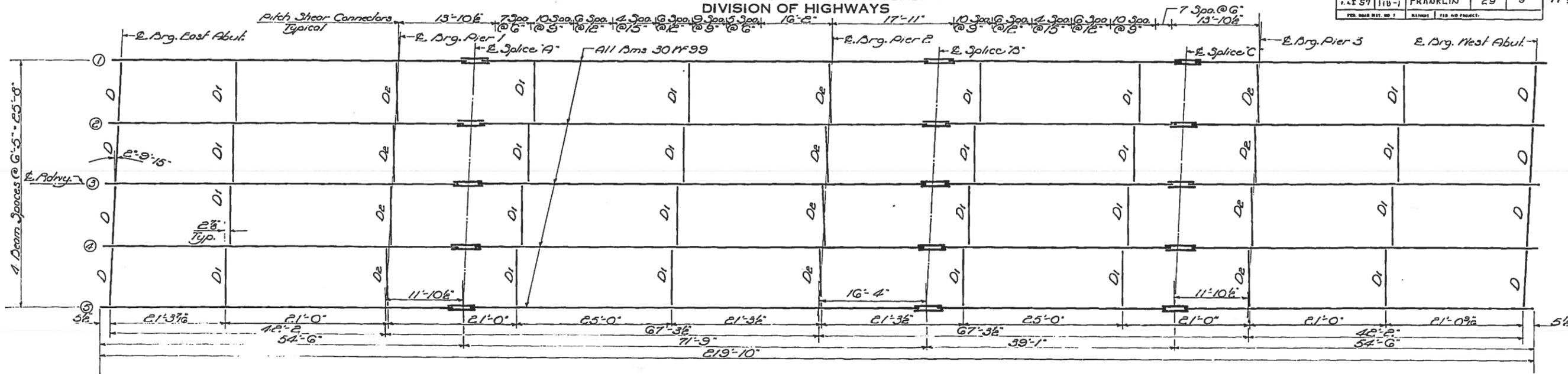
DESIGNED: C. Lawrence Corbett
CHECKED: R.M. Sanford
DRAWN: R.E. Aljarcas
CHECKED: R.M. Sanford
Nov 28 1961
EXAMINED: W.E. Baumman
PASSED: [Signature]
APPROVED: R.L. [Signature]

MODEL: Default
FILE NAME: p:\w\084810\NTEG_illinois.pw\p\DOT\Documents\DOT_Offices\District_9\Projects\35\Labor\18\1149_028-0053\CAD\Drawings\CAD\Sheet518.dwg

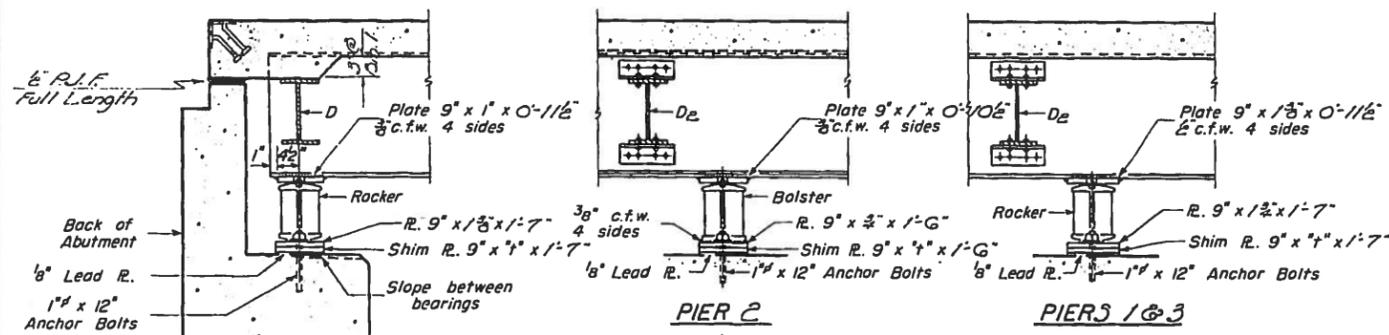
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
28-2	11B-1	FRANKLIN	29	9

SHEET NO. 3
11 SHEETS



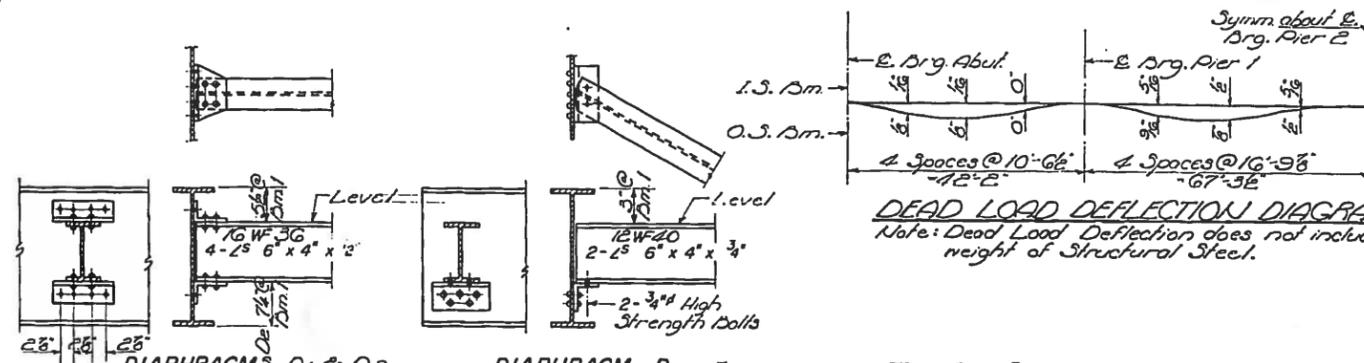
FRAMING PLAN



SECTION AT ABUTMENT

PIER 2

PIERS 1 & 3



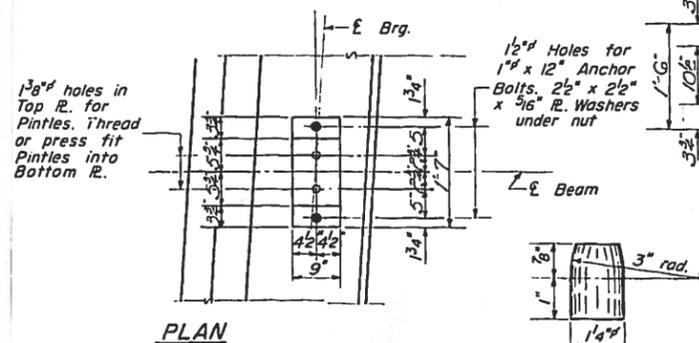
DIAPHRAGMS D1 & D2

DIAPHRAGM D

ELEVATION TOP OF BEAMS

Loc. Am.	E. Brg. Abut.	E. Brg. Pier 1	E. Brg. Pier 2	E. Brg. Pier 3	E. Brg. Pier 4	E. Brg. Pier 5	E. Brg. West Abut.
1 & 5	457785	457780	457789	457799	457805	457803	457809
2 & 4	457832	457835	457830	457836	457838	457836	457842
3	457817	457870	457894	458008	458097	458105	457971

FOR INFORMATION ONLY



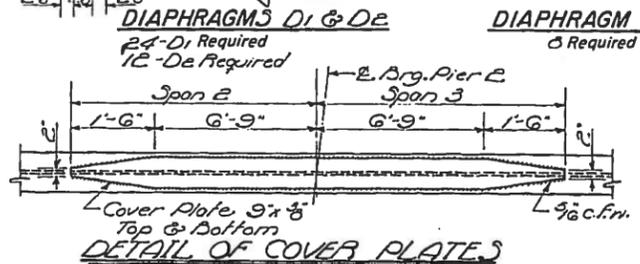
PLAN

DETAIL OF PINTLE

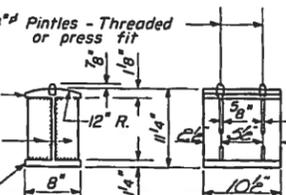


DETAIL OF BEARING AT PIERS 1, 3 & ABUTS.

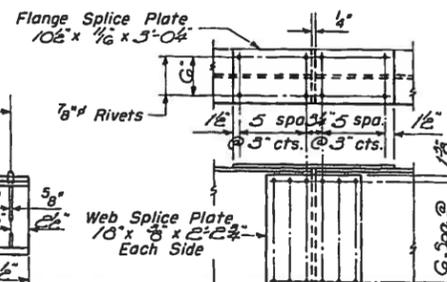
SHEAR CONNECTORS



DETAIL OF COVER PLATES



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

TABLE OF 7" DIMENSIONS

Loc. Am.	All Bearings
1	0"
2	0"
3	7/8"
4	0"
5	0"

DESIGNED C. J. ...
CHECKED R. M. ...
DRAWN ...
CHECKED R. M. ...

EXAMINED ...
PASSED ...
APPROVED ...

I-2-L (A) Rev. 11-25-59

STRUCTURAL STEEL
F.A.I. RT. 57 - SEC. 28-2HD-1
FRANKLIN COUNTY
STA. 283 + 35.75

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 028-0053

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	10

CONTRACT NO. 78614
FED. AID PROJECT NHP-66(1996)

B.M. Conc. Monument 150' Rt. Sta. 576+50 El. 462.75

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

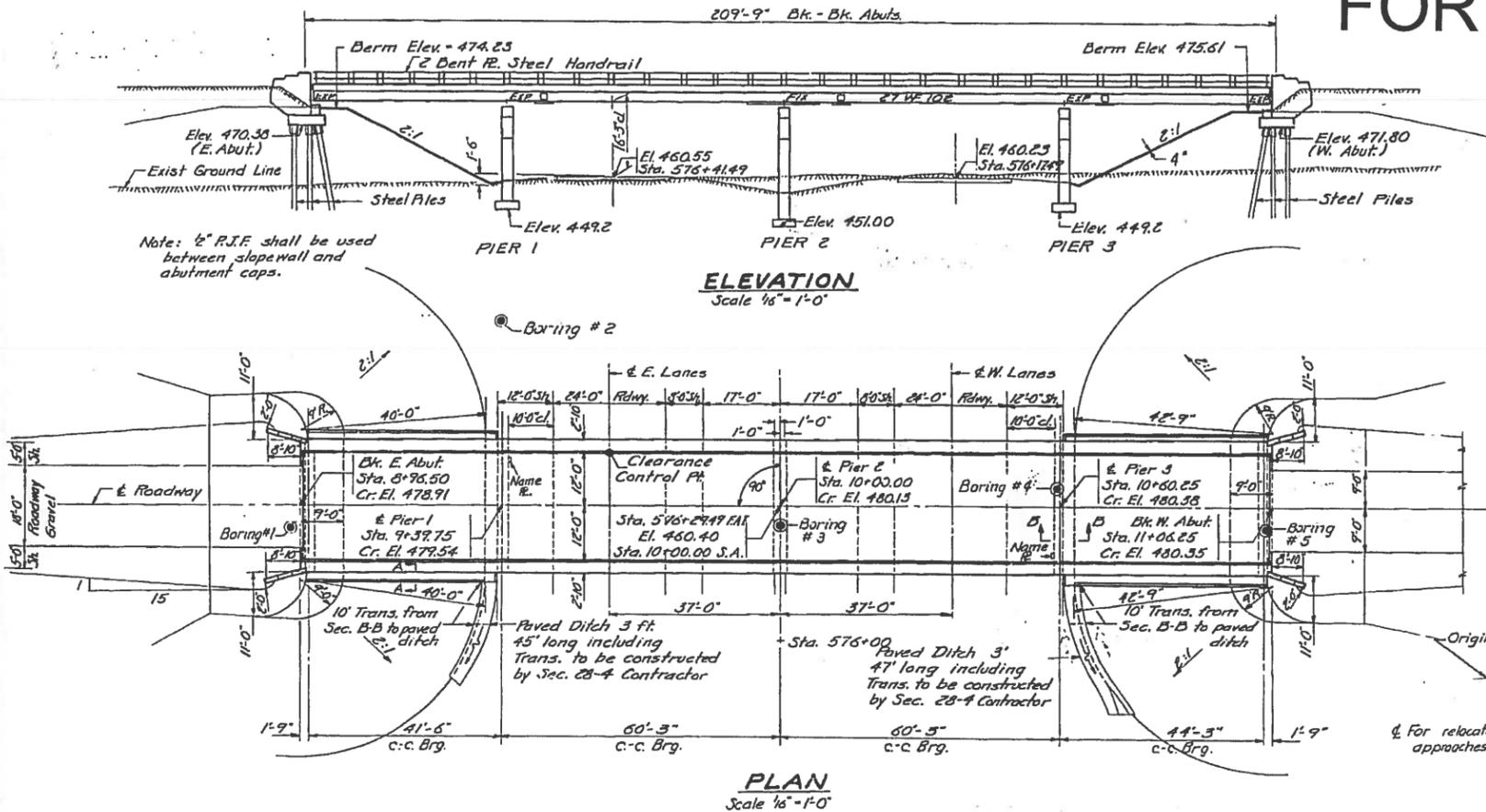
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	28-4HB-1	Franklin	38	9
SHEET NO. 1 10 SHEETS				

FOR INFORMATION ONLY

GENERAL NOTES

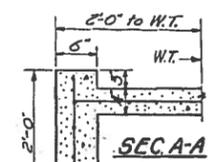
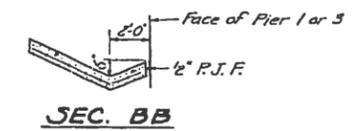
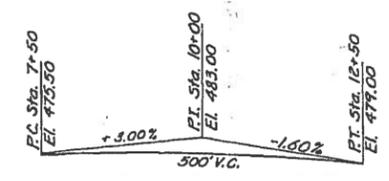
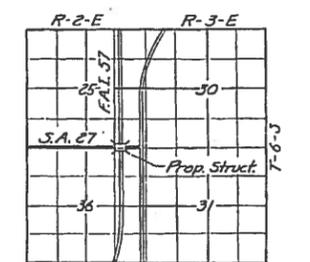
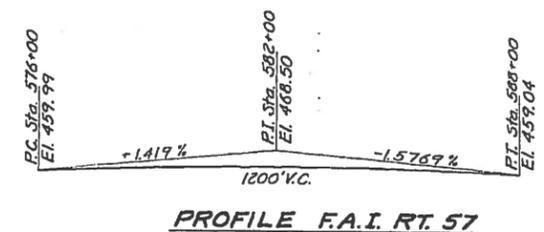
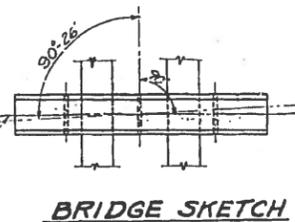
Class X concrete shall be used throughout.
The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, #4 wires, weighing 58" per 100 sq. ft. Rivets 3/4" x, Open holes 1/4", unless noted.
All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.
Anchor bolts shall be set before riving diaphragms over supports.
Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications.
Expansion guards are included in quantity of structural steel. (Estimated Wt. = 690")
All outside faces of verticle legs of Ls in expansion guard shall be given two shop coats of red lead paint.
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
All paint shall be furnished and applied by the Contractor.

The Contractor shall drive one Steel test pile in a permanent location @ W. Abut. before ordering remainder of Piles.
Class X Concrete which is to be used in end posts must be free of chert, flint, limonite, lignite and soft sandstone.



STATION 576+29.49
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 28-4HB-1
FA. Proj I-57-2(22)
LOADING HIS-512

LETTERING FOR NAME PL.
See Standard 2715
For location See Sheet No. 9



DESIGN STRESSES
 $f_c = 4000$ p.s.i. Super & Sub
 $f_c = 75$ p.s.i. Footings
 $f_s = 20000$ p.s.i. Reinf.
 $f_s = 18000$ p.s.i. Struct.
 Max. Footing Pressure = 6000 psf
 11' x 10'

LOADING HIS-512-44

TOTAL BILL OF MATERIAL				
ITEM	UNIT	SUPER	SUB	TOTAL
Borrow Excavation	Cu. Yds.		9600	9600
Class A Excavation for Struct.	Cu. Yds.		230	230
Class X concrete	Cu. Yds.	171.0	2122	383.2
Structural Steel	Lbs.	132500		132500
Metal Handrail	Lin. Ft.	415		415
Reinforcement Bars	Lbs.	30640	1+800	45340
Steel Piles 8 DP 36	Lin. Ft.		304	304
Test Piles (Steel 8 DP 36)	Each		1	1
Protective Coat	Sq. Yd.	734		734
Name Plates	Each		2	2
Slope Wall	Sq. Yds.		420	420

028-0054
GENERAL PLAN & ELEVATION
S.A. RT. 27 OVER F.A.I. RT. 57
F.A.I. RT. 57 SEC. 28-4HB-1
FRANKLIN COUNTY
STA. 576 + 29.49

DESIGNED J. M. Jzamosh
 CHECKED Ernest Sticker
 DRAWN J. M. J
 CHECKED E. S.

FEBRUARY 10 1961
 EXAMINED W. E. Baumann
 PASSED E. L. Heston
 APPROVED R. L. Baumann

USER NAME = gautneyk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

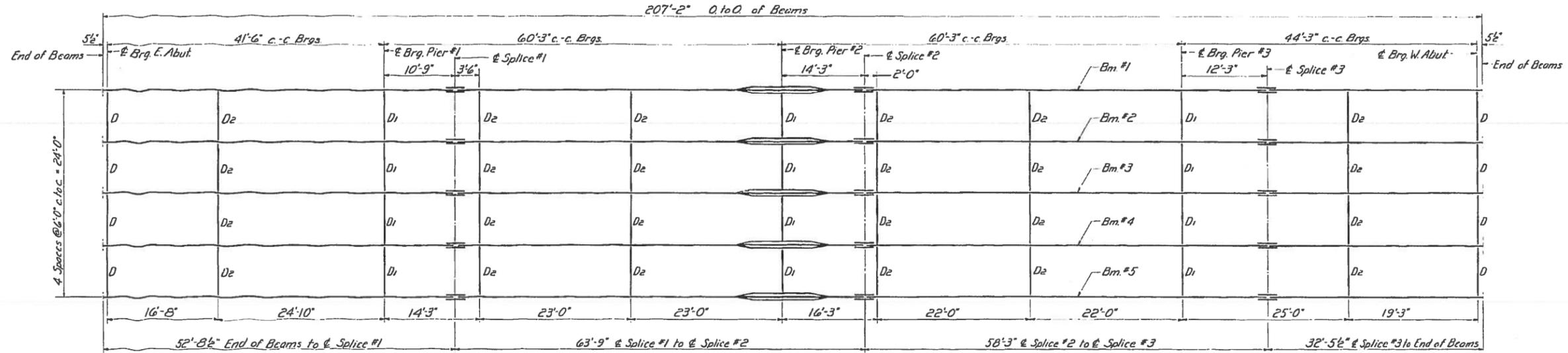
SN 028-0054

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	11
ILLINOIS			CONTRACT NO. 78614	
			FED. AID PROJECT NHP-66V(1996)	

MODEL: D:\gaurt\...
 FILE NAME: pw\110848\BND\ITEG_illinois.pdw\PROJECT\Documents\DOT_Offices\District_30\Projects\Labor\111149_028-0038\CADD\DATA\CADD\sheet1.dgn

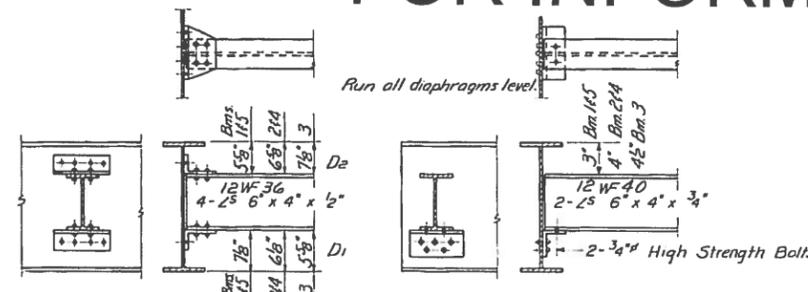
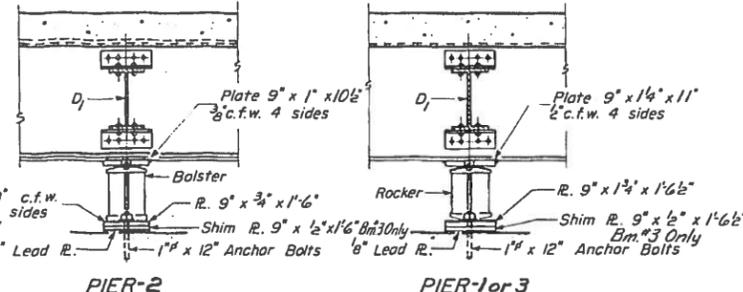
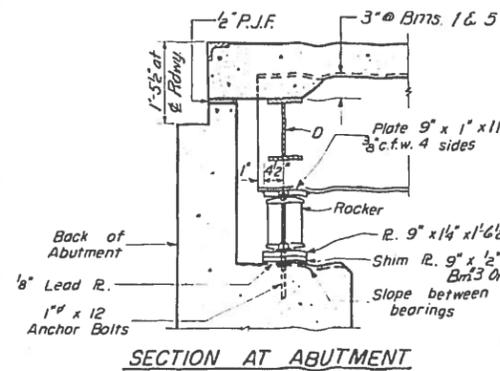
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
57	28-4HB-1	Franklin	38	11	10 SHEETS



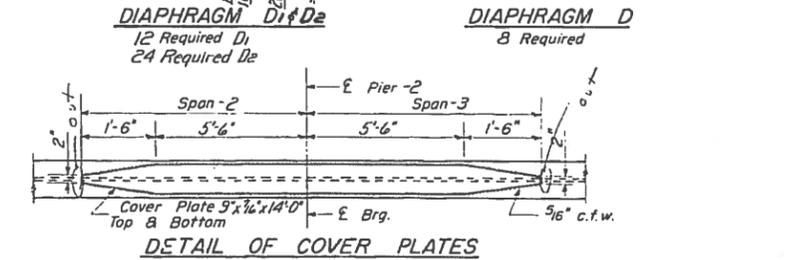
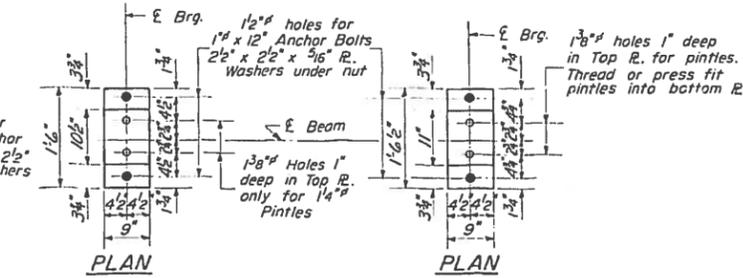
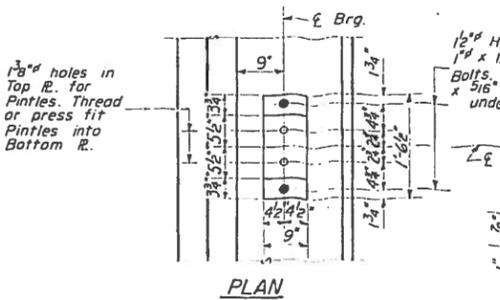
PLAN OF STRUCTURAL STEEL
All Beams are 27 WF 102

FOR INFORMATION ONLY

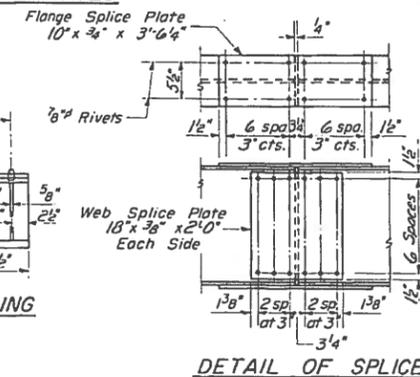
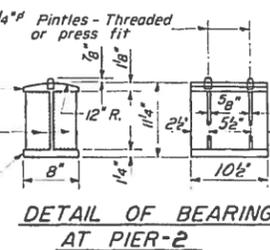
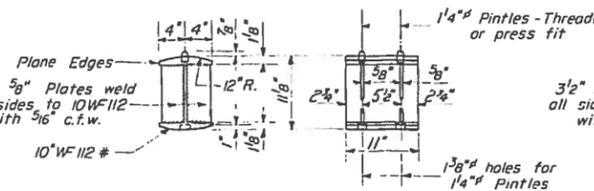


ELEVATION TOP OF BEAMS

Location	Bm #1	Bm #2	Bm #3	Bm #4	Bm #5
E. Brg. E. Abut.	478.27	478.35	478.39	478.35	478.27
E. Pier #1	478.82	478.90	478.94	478.90	478.82
E. Splice #1	478.96	479.04	479.08	479.04	478.96
E. Pier #2	479.39	479.47	479.51	479.47	479.39
E. Splice #2	479.51	479.59	479.63	479.59	479.51
E. Pier #3	479.65	479.73	479.77	479.73	479.65
E. Splice #3	479.69	479.77	479.81	479.77	479.69
E. Brg. W. Abut.	479.69	479.77	479.81	479.77	479.69



DETAIL OF PINTLE



DESIGNED J. M. Stewart
CHECKED E. S. Sisk
DRAWN J. M. Sisk
CHLCKD E. S.
EXAMINED N. E. Baumann
PASSED
APPROVED R. L. Bantelmann
FEBRUARY 10 1960

T-2 Re-drawn 8-18-59

STRUCTURAL STEEL
S.A. RT. 27 OVER F.A.I. RT. 57
F.A.I. RT. 57 SEC. 28-4HB-1
FRANKLIN COUNTY
STA. 576+29.49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 028-0054

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	12

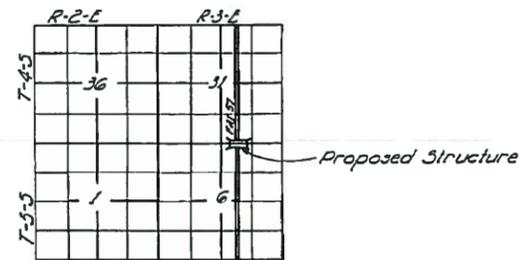
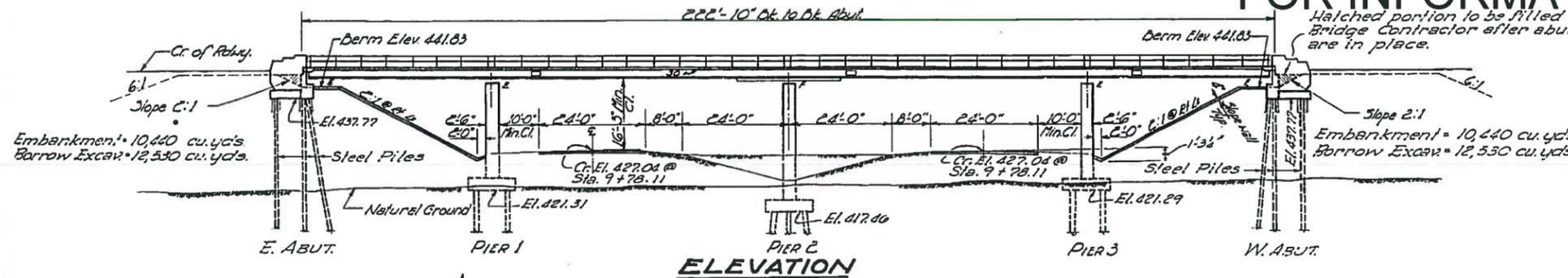
CONTRACT NO. 78614
ILLINOIS FED. AID PROJECT NHP-67(1996)

B.M. = Concrete monument 150' right of Sta. 10+00 (F.A.I. R. 57) Elevation 425.73

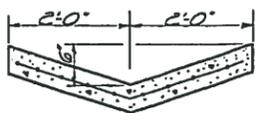
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FOR INFORMATION ONLY

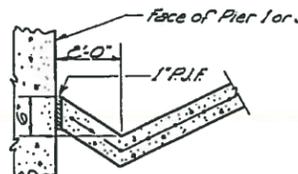
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	28-1HB	FRANKLIN	32	7
SHEET NO. 1 10 SHEETS				



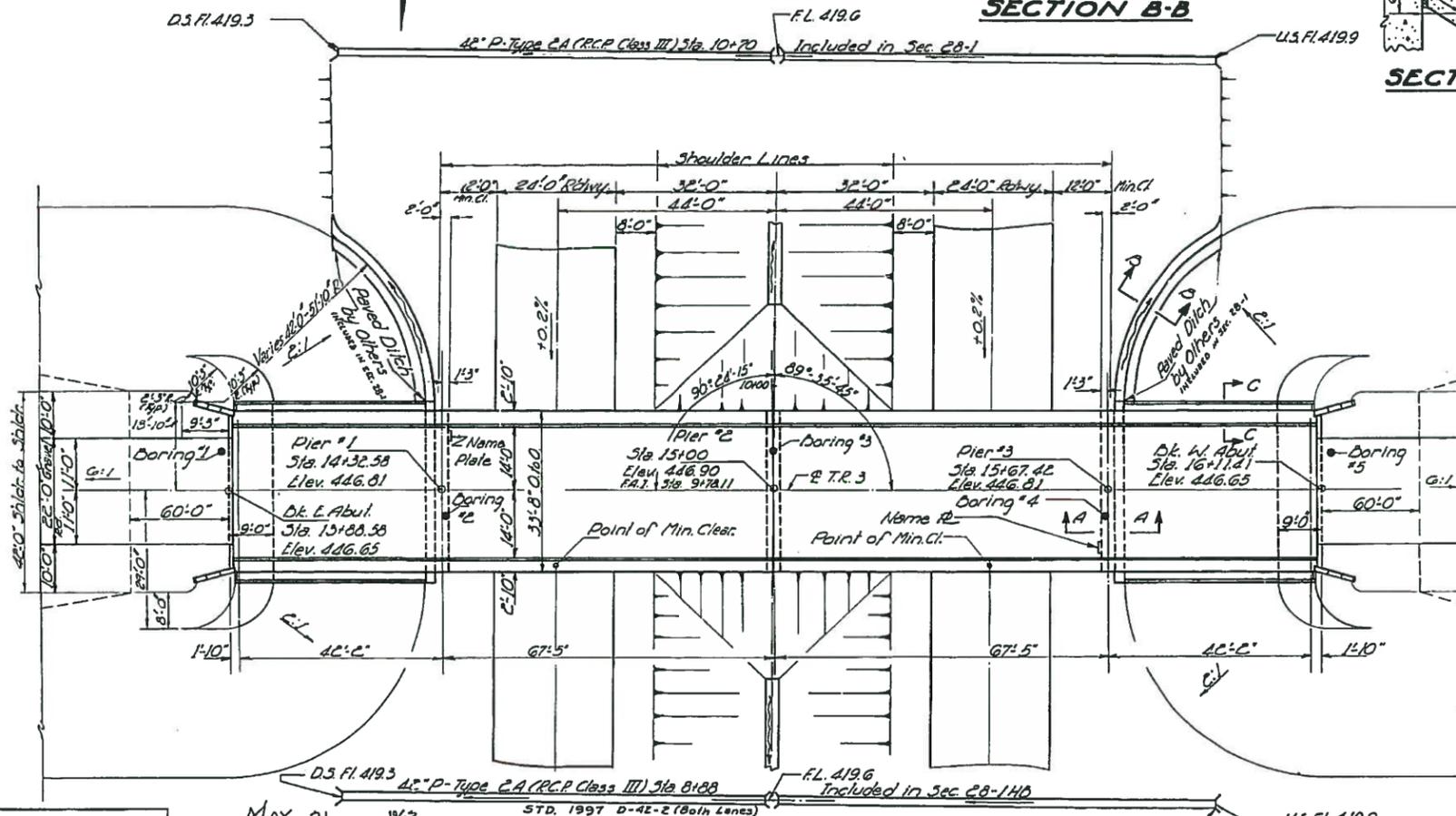
LOCATION SKETCH



SECTION B-B



SECTION A-A

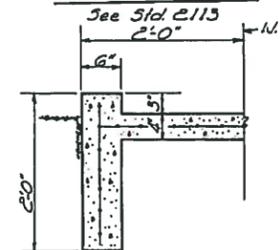


PLAN

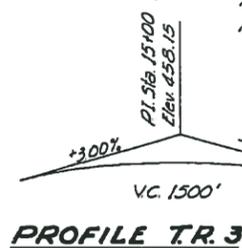
All Abutts & Piers are 90° to Rwy.

STATION 9+78.11
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 28-1HB
F.A. PROJ. I-57-E(33)
LOADING H-20-S16

NAME PLATE



SECTION C-C



PROFILE T.R. 3

DESIGN STRESSES

$f_c = 1400$ psi Super & Sub.
 $f_c = 75$ psi Footing
 $f_s = 20,000$ psi Reinf.
 $f_s = 20,000$ psi Struct.
 $n = 10$

LOADING H-20-S16

Includes excavation for slope wall

GENERAL NOTES

Class X Concrete shall be used throughout.
The Concrete Floor slab shall be finished in accordance with Article 51.19 of the Std Specifications.
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires weighing 58# per 100 sq. ft. Coarse aggregate which is to be used in end/post must be absolutely free of chert, flint, limonite, lignite and soft sand stone.
Permanent forms will not be permitted in forming concrete floor.
Rivets $\frac{1}{4}$ " open holes $\frac{1}{8}$ ", unless noted.
All Bolster, Rockers, Bearing plates, Lead plates, Pintles and Anchor bolts shall be fabricated and set in accordance with Art. 51.15 of the Standard Specifications, and are included in quantity of Structural Steel. Estimated weight - 7000 lbs.
Anchor bolts shall be set before riveting diaphragms over supports.
The roadway expansion guards shall be fabricated and erected in accordance with Art. 51.13 (d) of the Standard Specifications.
Expansion Guards are included in quantity of Structural Steel. Est. wt. - 700 lbs.
All outside faces of vertical legs of angles in exp. guards shall be given two shop coats of red lead paint. Except as otherwise provided, all structural steel shall receive one shop coats of red lead paint and two field coats of aluminum paint. See Art. 56.1 to 56.5 inclusive of the Std Specifications.
The Contractor shall drive 2 test piles in permanent location as directed by the Engineer before ordering the remaining piles. One test pile at E. Abut. & one test pile at Pier #2.

TOTAL BILL OF MATERIAL

ITEM	QUANTITY	SUPER	SUB.	TOTAL
EXCAVATION	130			130
CLASS X CONC. FOR STRUC.	219.6	219.6		429.1
CLASS X CONCRETE	172,800			172,800
STRUCTURAL STEEL	7,000			7,000
METAL HANDRAIL	441			441
PROTECTIVE COAT	834			834
REINFORCEMENT BARS	43,000	15,010	27,990	42,990
STEEL PILES (30P30)	1,500			1,500
TEST PILES (Steel 20P30)	2			2
NAME PLATES	2			2
SLOPE FILL 2'	220			220

GENERAL PLAN & ELEVATION

PROJ. I-57-E(33) T.R. 3
T.R. 3 OVER INTERSTATE 57
F.A.I. RT. 57 SEC. 28-1HB
FRANKLIN COUNTY
STA. 9+78.11

DESIGNED J. M. Fynewick
CHECKED Thomas J. Borraza
DRAWN J. M. J. A. Borraza
CHECKED G.R.
MAY 21 1962
EXAMINED W. B. Brumman
PASSED E. S. Smith
APPROVED W. B. Brumman

MODEL: Default

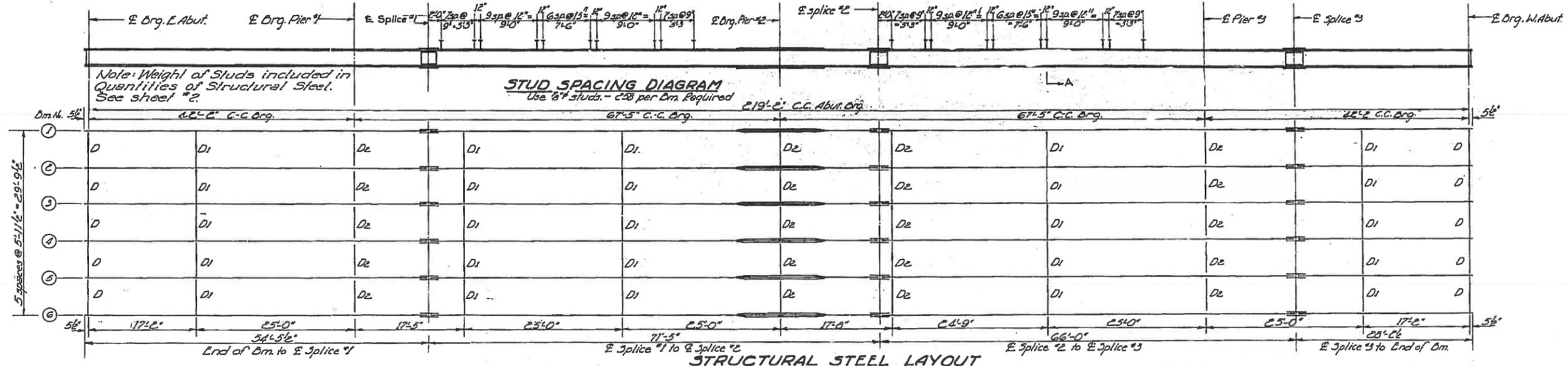
USER NAME = gaultneyrk	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/6/2017	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	13
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____				
ILLINOIS CONTRACT NO. 78614 FED. AID PROJECT NHPF-P6V(1996)				

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

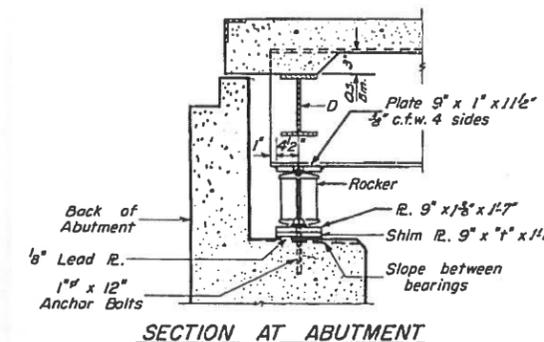
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
112 ST	28-1HB	FRANKLIN	32	9	10 SHEETS
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT:					



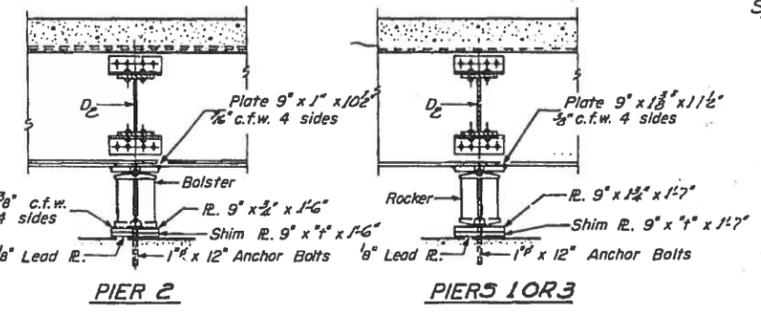
STRUCTURAL STEEL LAYOUT

All beams are 30 WF 108. Beams, Cover Pl and Splice Material shall conform to A-36 Steel

FOR INFORMATION ONLY

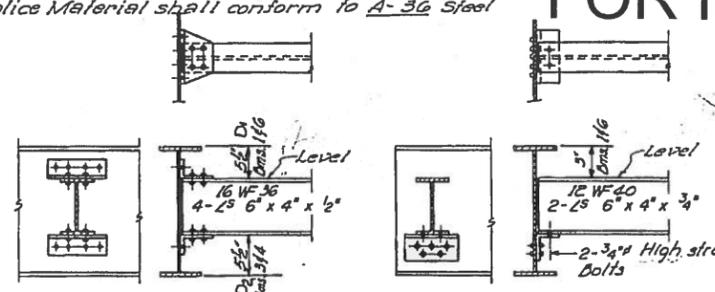


SECTION AT ABUTMENT



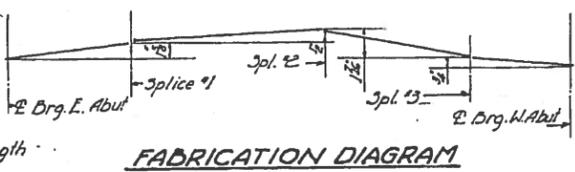
PIER 2

PIERS 1 OR 3



DIAPHRAGM D1 & D2

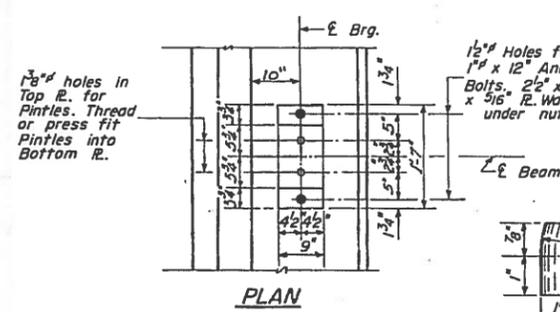
DIAPHRAGM D



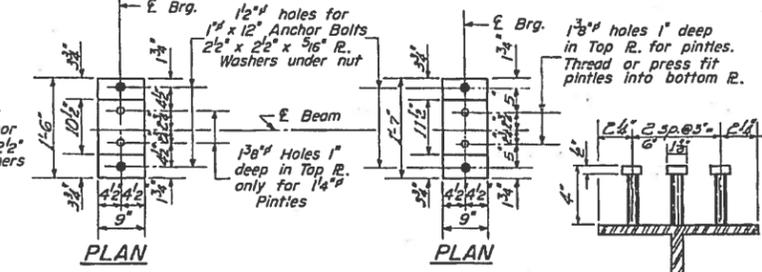
FABRICATION DIAGRAM

ELEVATION TOP OF BEAMS

Location	Dm. 1	Dm. 2	Dm. 3	Dm. 4	Dm. 5	Dm. 6
E. Drg. E. Abut.	445.89	446.00	446.06	446.06	446.00	445.89
E. Drg. Pier #1	446.00	446.11	446.17	446.17	446.11	446.00
E. Splice #1	446.03	446.14	446.20	446.20	446.14	446.03
E. Drg. Pier #2	446.06	446.17	446.23	446.23	446.17	446.06
E. Splice #2	446.07	446.18	446.24	446.24	446.18	446.07
E. Drg. Pier #3	445.98	446.09	446.15	446.15	446.09	445.98
E. Splice #3	445.95	446.06	446.12	446.12	446.06	445.95
E. Drg. W. Abut.	445.89	446.00	446.06	446.06	446.00	445.89



PLAN

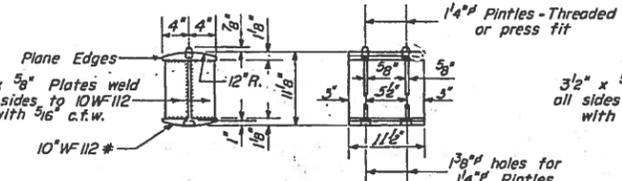


PLAN

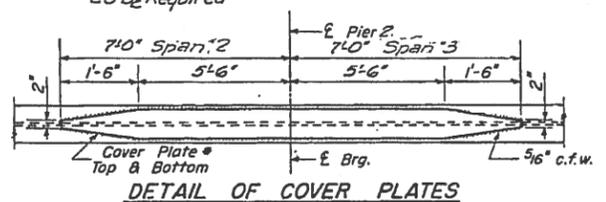
PLAN

SEC. A-A

DETAIL OF PINTLE



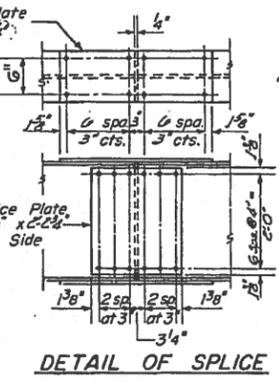
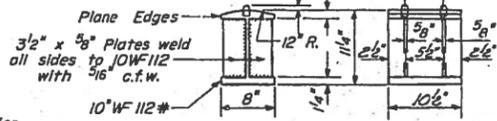
DETAIL OF BEARING AT PIERS 1, 3 & ABUT.



DETAIL OF COVER PLATES

* R. 9/16" x 1/2" x 14'-0" @ Pier 2 Flange Splice Plate 10/16" x 3/4" x 14'-0"

DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

1" DIMENSIONS
Note: Use 3/8" Shim R. under Beams 3/4" at all supports.

**STRUCTURAL STEEL
F.A.I. RT. 57 SEC. 28-1HB
FRANKLIN COUNTY
STA. 9+78.11**

DESIGNED J. M. Fawcett
CHECKED W. A. Sausaman
DRAWN W. A. Sausaman
CHECKED G. R.
MAY 21 1962
EXAMINED W. E. Bannerman
PASSED E. J. Shultz
APPROVED O. R. Baileymeyer

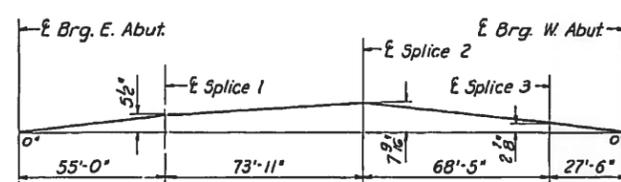
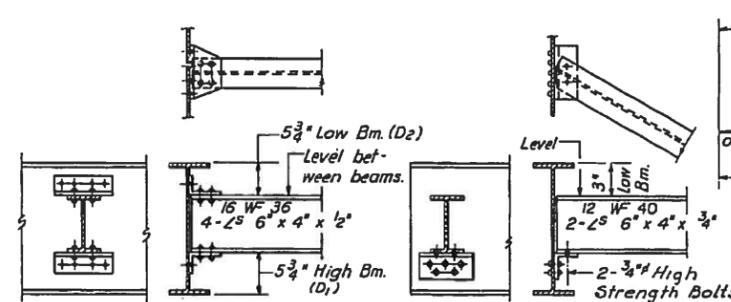
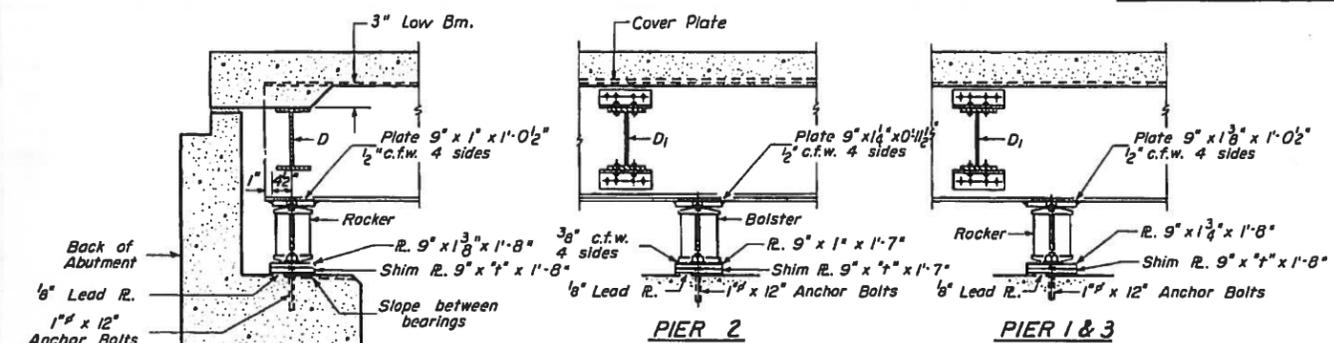
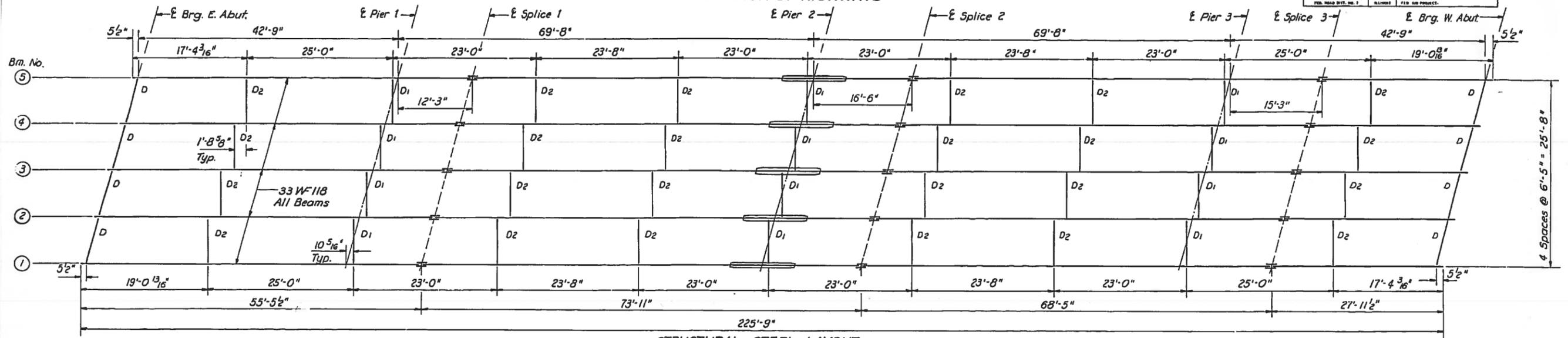
T-2 Re-drawn R-1R-59

USER NAME = gautneyk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 028-0055	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			57	D9 BRIDGE PAINT 2018-1		26	14
PLOT DATE = 10/6/2017	CHECKED -	REVISED -			CONTRACT NO. 78614				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT NHP-6VI(196)				

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

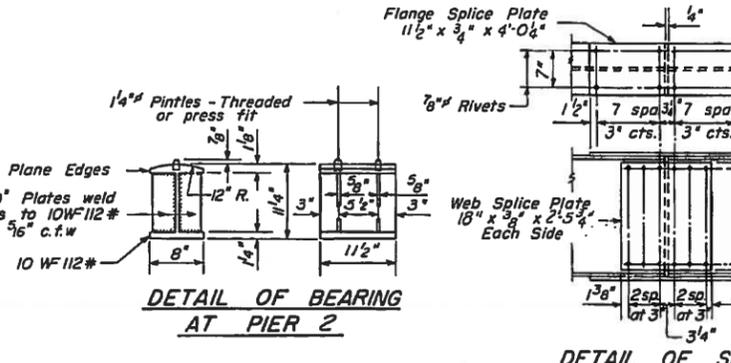
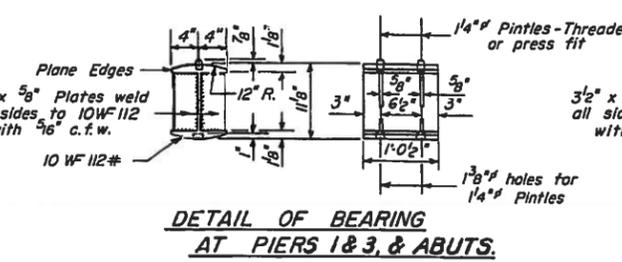
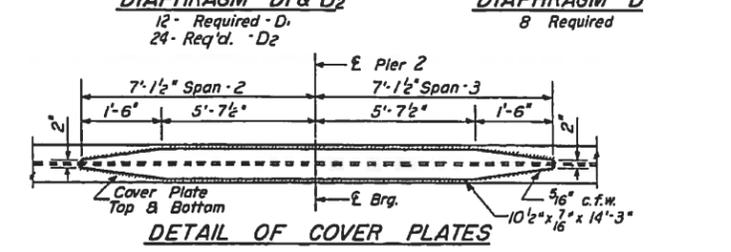
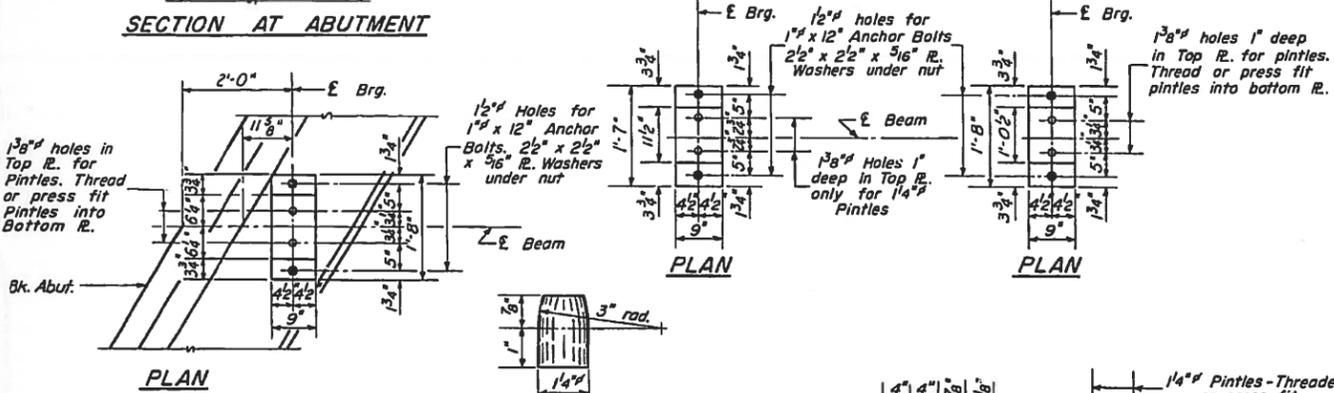
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	28-1 HB-5	FRANKLIN	25	10
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3
10 SHEETS



TOP OF BEAM ELEVATION

Location	£ Bm. #1	£ Bm. #2	£ Bm. #3	£ Bm. #4	£ Bm. #5
£ Brg. E. Abut.	464.67	464.79	464.85	464.79	464.67
£ Pier 1	465.03	465.15	465.21	465.15	465.03
£ Splice 1	465.13	465.25	465.31	465.25	465.13
£ Pier 2	465.26	465.38	465.44	465.38	465.26
£ Splice 2	465.30	465.42	465.48	465.42	465.30
£ Pier 3	465.00	465.12	465.18	465.12	465.00
£ Splice 3	464.91	465.03	465.09	465.03	464.91
£ Brg. W. Abut.	464.67	464.79	464.85	464.79	464.67



Note: 1/4" = 5/8" @ all bearings for beam 3 only. 5 Shim Plates Req'd.

STRUCTURAL STEEL
F. A. I. RT. 57 SEC. 28-1HB-5
FRANKLIN COUNTY
STA. 229+54.5

DESIGNED: Emory J. Stika
CHECKED: W. M. W. [Signature]
DRAWN: E. S. W. A. Sausaman
CHECKED: W. M. W. [Signature]

EXAMINED: N. E. Berman
PASSED: [Signature]
APPROVED: [Signature]

JULY 28 1961

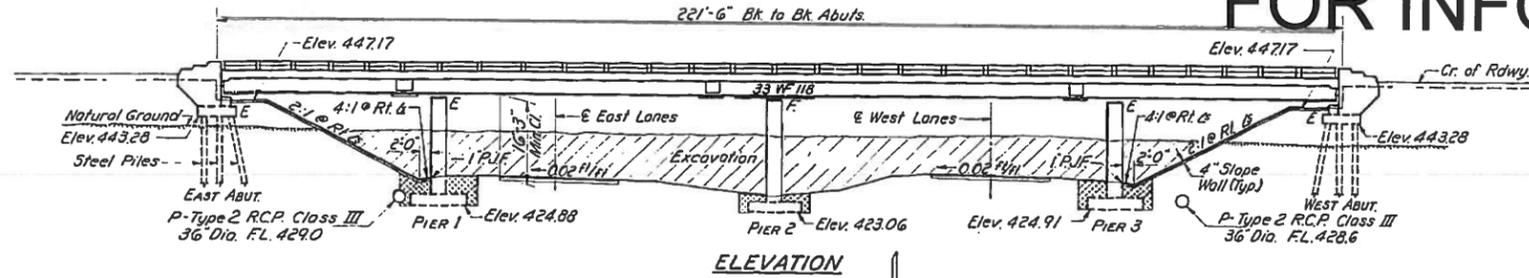
I-2-L Re-drawn 9-21-59

B.M. Concrete Monument 150' Rt.
Sta. 415+54 Elev. 440.50

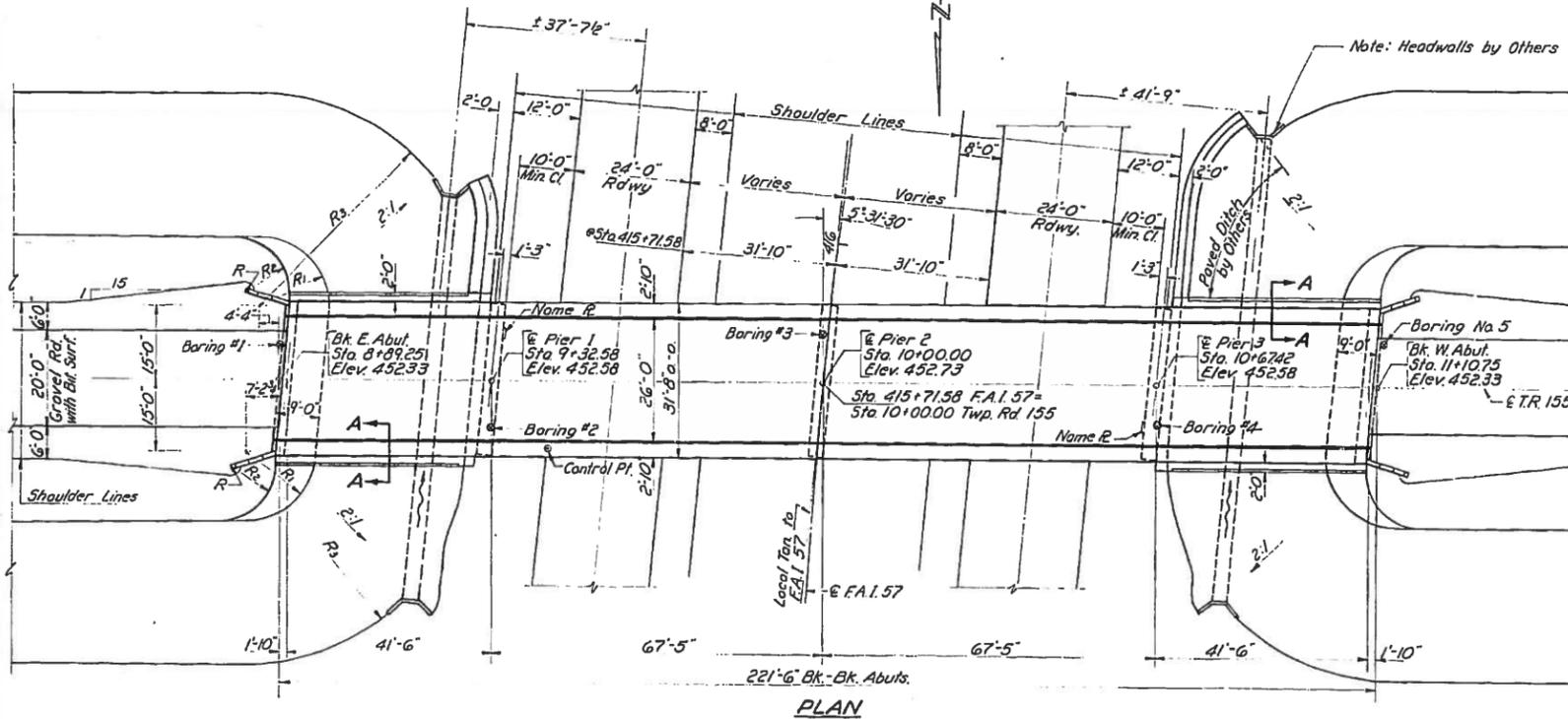
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	LEAFLET	TOTAL SHEETS	SHEET NO.
1-57	28-2 HB-3	FRANKLIN	25	8
ILLINOIS		FED. AID PROJECT NO. I-57-2(35)73		

FOR INFORMATION ONLY

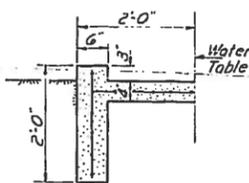


ELEVATION



PLAN

Note: Location of radius points for N.E. & S.W. corners are identical and N.W. & S.E. corners are identical.
 $R = 2'-0"$
 $R_1 = 14'-9"$
 $R_2 = 11'-9"$
 $R_3 = 45'-9"$



SECTION A-A

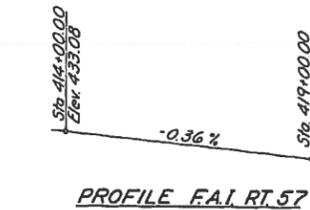
CURVE DATA (F.A.I. 57)
STATIONING ON CURVE

$\Delta = 20^\circ-16'-00"$
 $D = 1'-00"$
 $T = 5729.65'$
 $L = 1024.06'$
 $E = 90.81'$
 $S.E. = 0.02\%/ft$ Remove Crown
 S.E. Attained Sta. 414+73.32 to Sta. 415+73.32
 S.E. Attained Sta. 435+99.99 to Sta. 434+99.99

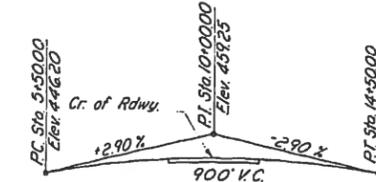
Note: Transition from 64' median at Sta. 415+23.32 (P.C. of curve) to 50' median at Sta. 435+49.99 (P.T. of curve)

STATION 415+71.58
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 28-2HB-3
F.A. PROJ. 1-57-2(35)
LOADING H15-512

NAME PLATE LETTERING
See Sheet 2113
See Sheet 29 for Location

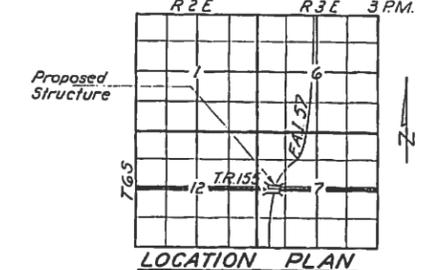


PROFILE F.A.I. RT. 57



PROFILE T.R. 155

GENERAL NOTES
 Class X concrete shall be used throughout.
 Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 Slope walls shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq. ft.
 Rivets 3/4", open holes 1 1/2", unless noted.
 Anchor bolts shall be set before fastening diaphragms over supports.
 All bolsters, rockers, bearing plates, shim plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.
 Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are included in quantity of Structural Steel. Est. Wt. = 720 Lbs.
 Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
 The outside faces of the vertical legs of expansion guard angles shall be given two shop coats of red lead paint.
 All paint shall be furnished and applied by the Contractor.
 The Contractor shall drive one steel test pile at West Abutment in a permanent location, as directed by the Engineer before ordering remainder of piles.
 All steel piles shall be driven to refusal.
 Permanent forms will not be permitted for forming the concrete floor.



LOCATION PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Structures	Cu Yds.		267	267
Class X Concrete	Cu Yds.	1897	2476	4373
Structural Steel	Lbs.	159,350		159,350
Metal Handrail	Lin. Ft.	438		438
Pipe Culverts (Type 2) 36"	Lin. Ft.		188	188
Reinforcement Bars	Lbs.	42,540	17,070	59,610
Steel Piles (3 BP 36)	Lin. Ft.		544	544
Test Piles (Steel)	Each		1	1
Name Plates	Each		2	2
Slope Wall (4')	Sq. Yds.			380
Protective Coat	Sq. Yds.			845

* Includes 19 Cu. Yds. of Excavation for Slope wall

028-0057

PROJ. 1-57-2(35)73

GENERAL PLAN & ELEVATION
T.R. 155 OVER F.A.I. RT. 57
F.A.I. RT. 57 SEC. 28-2HB-3
FRANKLIN COUNTY
STA. 415+71.58

DESIGN STRESSES

$f_c = 1400$ psi. Super & Sub
 $V_c = 75$ psi. Figs.
 $f_s = 20,000$ psi. Reinf.
 $f_s = 18,000$ psi. Struct.
 $n = 10$ Max. Soil Pressure = 5.6 K.S.F.

LOADING H15-512-44

DESIGNED	Bobby Chilton	EXAMINED	W.G. Baumann
CHECKED	J.M. McHenry	PASSED	E.S. Smith
DRAWN	J.L. Armstrong	APPROVED	M.B. Sullivan
CHECKED	K.N.M.		

Revised: 6-15-61 W.M. In ELEVATION, changed stationing of excavation from PEARSON to BARTH at each abutment. In change elevation of 36" pipe under West Abut. from 427.5 to 428.6.

Revised: 6-15-61 In ELEVATION removed notation for 6" P.I.P. between face of abutment of spans.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 028-0057

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	17
ILLINOIS			CONTRACT NO. 78614	
			FED. AID PROJECT NHP-66(1996)	

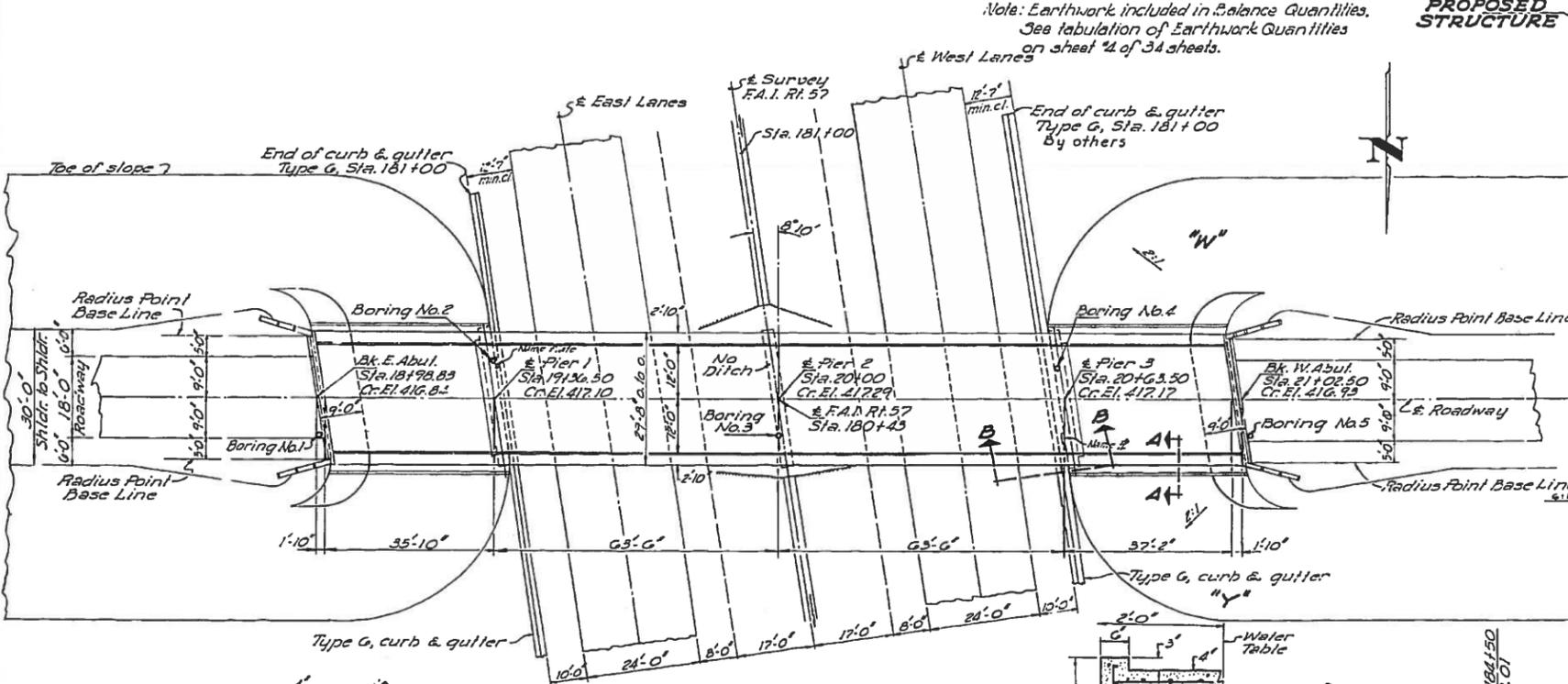
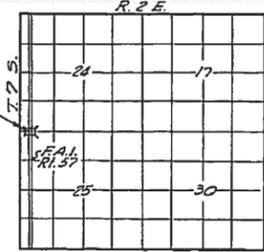
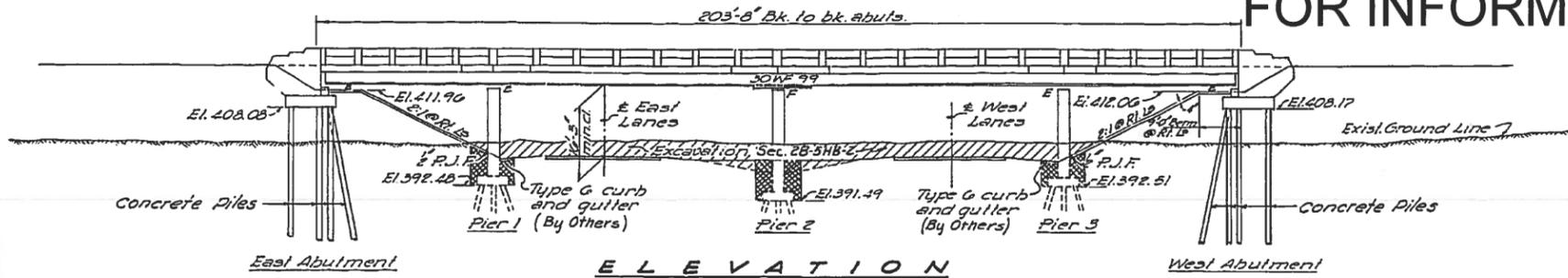
3.M. Concrete monument 150' R.I.
Sta. 179+88 Elev. 403.68

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.I. RT. 57	28-5HB-2	Franklin	34	10	11 SHEETS
FED. ROAD DIST. NO. 7	ALUMINUM	FED. PROJ. NO. 1-57-2(23)63			

FOR INFORMATION ONLY GENERAL NOTES

- Class X concrete shall be used throughout.
- Coarse aggregate to be used in end posts must be absolutely free of chert, flint, limonite and soft sandstone.
- The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
- Slope walls shall be reinforced with welded wire fabric 6"x6" mesh, #4 wire, weighing 38# per 100 sq. ft.
- Rivets 2 1/2" open holes 1 1/2" unless noted.
- Structural steel in stringers, cover plates and splice plates shall conform to A.S.T.M. designation A-36.
- All holes for splices shall be punched 1/8" and reamed to proper size (1/8" in web and 1/4" in flange) with all beams assembled in the shop in proper position. Leave assembled in shop for inspection.
- Anchor bolts shall be set before fastening diaphragms over supports.
- All bolsters, rockers, bearing plates, shim plates, lead plates, pinles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of structural steel.
- Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are included in quantity of structural steel.
- Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications.
- All paint shall be furnished and applied by the contractor.
- Concrete piles through embankment shall be driven in pre-cored holes in accordance with Article 60.9(c) of the Standard Specifications.
- The Contractor shall drive two concrete test piles in permanent locations; one at the west abutment and one at pier #2 as directed by the Engineer before ordering remainder of piles.



STATION 180+43
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 28-5HB-2
F.A. PROJ. 1-57-2(23)
LOADING H15-S12

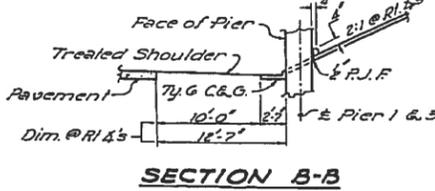
DESIGN STRESSES
fc = 1,400 psi (Super & Sub)
fc = 75 psi (Footing)
fs = 20,000 psi (Struct.)
fs = 20,000 psi (Reint.)
n = 10

LOADING H15-S12-44

NAME PLATE LETTERING
(See Std. 2113)
(See Sheet 10 for Location)

TOTAL BILL OF MATERIAL

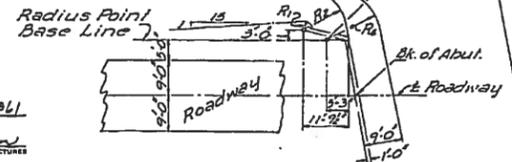
ITEM	UNIT	SUPER	SUB	OTHERS	TOTAL
Class A Excav. for Struct.	Cu. Yds.		218		218
Class X Concrete	Cu. Yds.	166.1	196.2		362.3
Structural Steel	Lbs.	126,760			126,760
Metal Handrail	Lin. Ft.	403			403
Reinforcement Bars	Lbs.	14,950			14,950
Concrete Piles	Lin. Ft.	34,500	2,880		37,380
Test Piles (Concrete)	Each		2		2
Name Plates	Each		2		2
Slope wall	Sq. Yds.			410	410



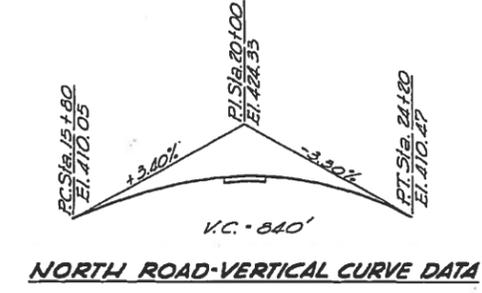
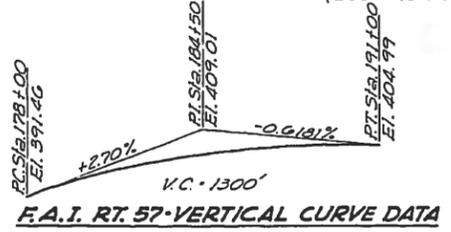
SECTION A-A

Radius Dimensions
R1 = 2'-0"
R2 = 10'-3"
R3 = 43'-3"
R4 = 13'-3"

* Corners "W" and "Y" R.I.'s = 144'-0" (All other dimensions are similar.)



TYPICAL RADIUS POINT LOCATIONS
(Reverse as required)



DESIGNED *Bobby L. Chilton*
CHECKED *Emory F. Stibben*
DRAWN *B.C.*
CHECKED *E.S.*

EXAMINED *W.C. Baumgartner*
PASSED *[Signature]*
APPROVED *R.K. Bantel*

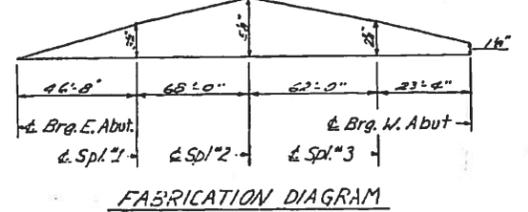
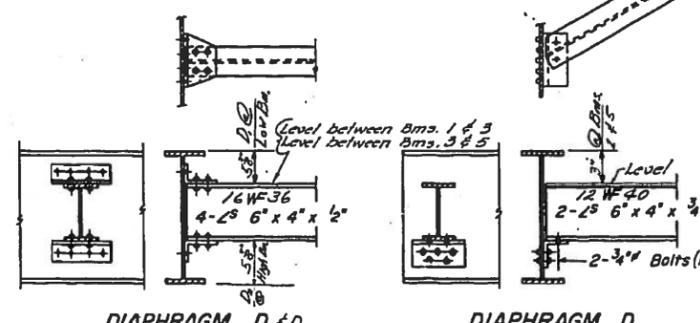
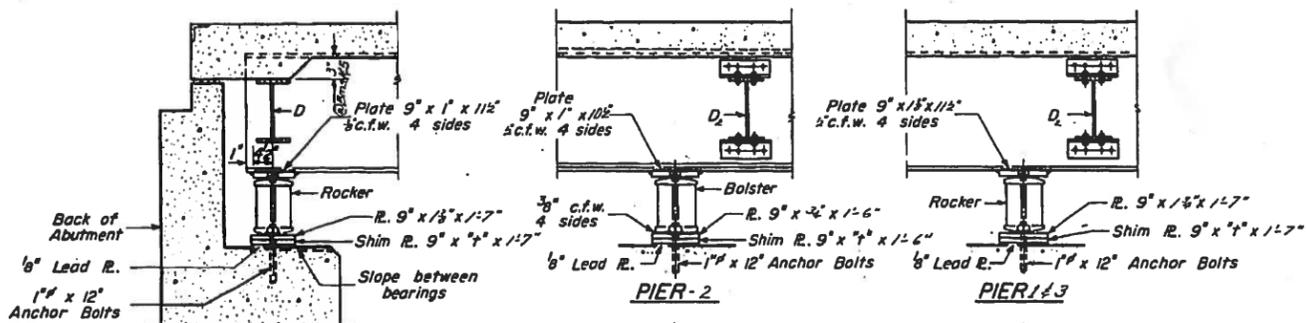
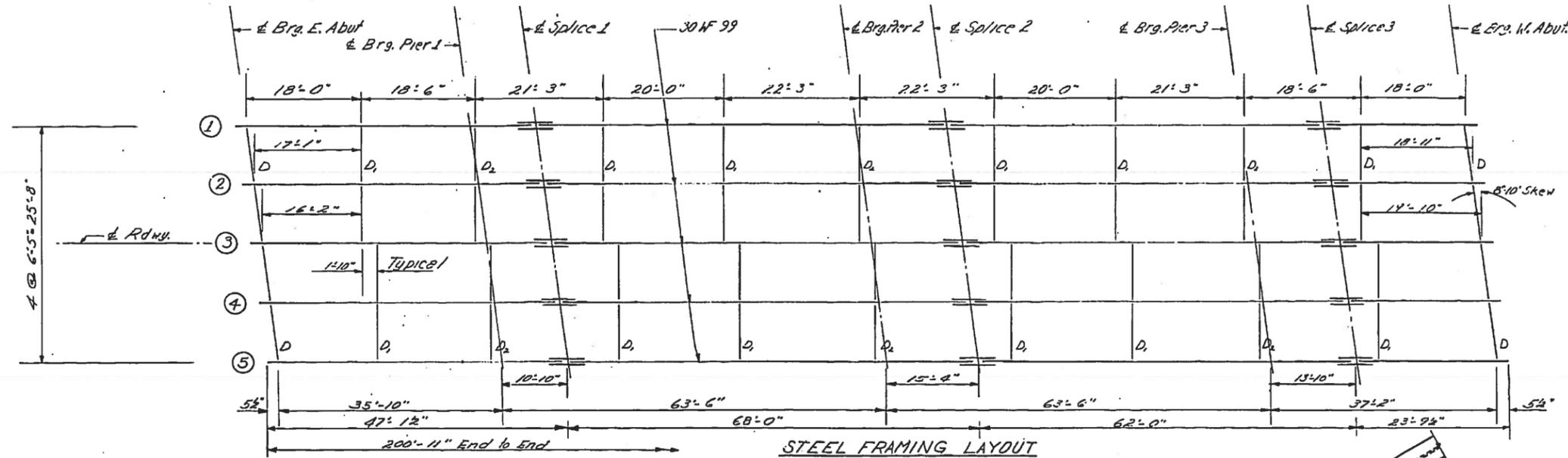
MAY 5 1961

028-0061
GENERAL PLAN & ELEVATION
PROJECT 1-57-2(23)63
NORTH ROAD OVER F.A.I. ROUTE 57
F.A.I. RT. 57 SEC. 28-5HB-2
FRANKLIN COUNTY
STATION 180+43

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

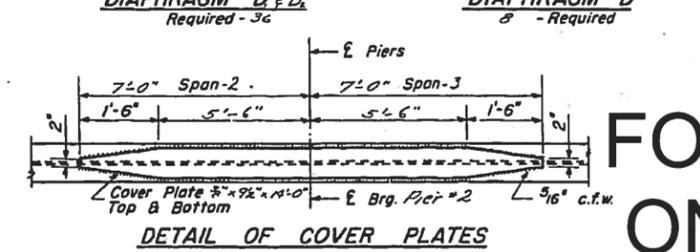
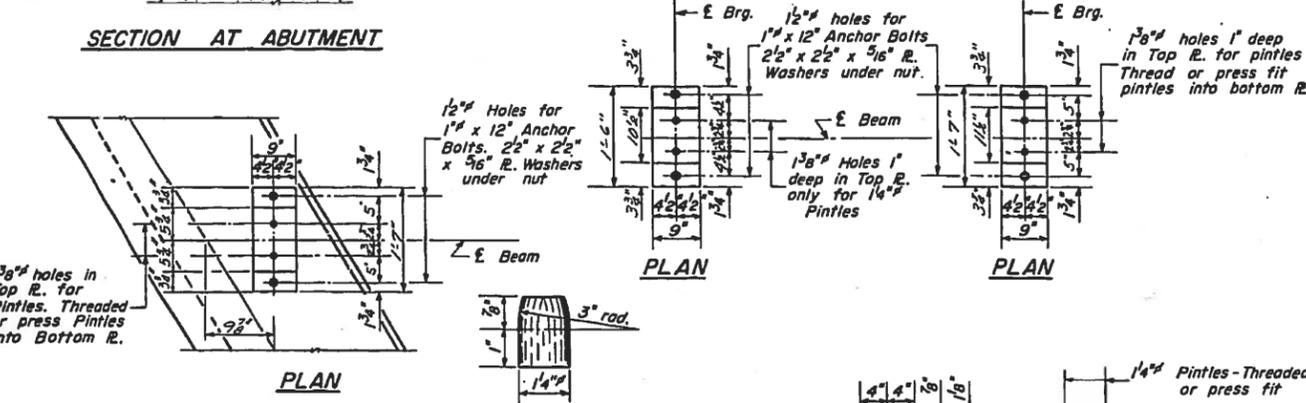
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	D9-5HB-2	Franklin	34	12
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	

SHEET NO. 3
// SHEETS



ELEVATION TOP OF BEAMS (For Fabrication only)

Beams	Brg. E. Abut.	Brg. Pier-1	Splice #1	Brg. Pier-2	Splice #2	Brg. Pier-3	Splice #3	Brg. W. Abut.
1 & 5	416.18	416.40	416.47	416.58	416.61	416.43	416.38	416.27
2 & 4	416.28	416.50	416.57	416.68	416.71	416.53	416.48	416.37
3	416.31	416.53	416.60	416.71	416.74	416.56	416.51	416.40



FOR INFORMATION ONLY

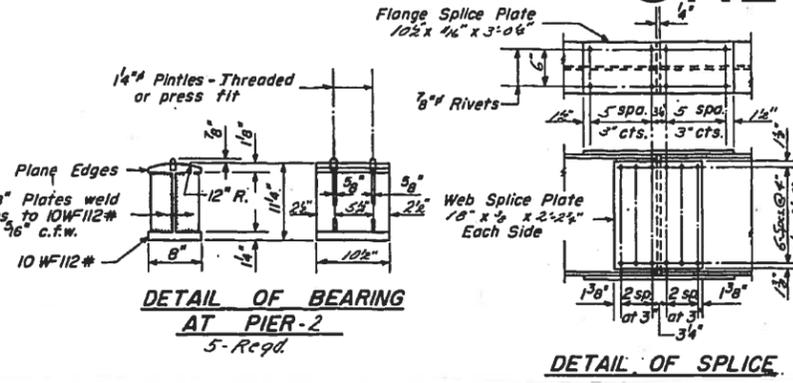
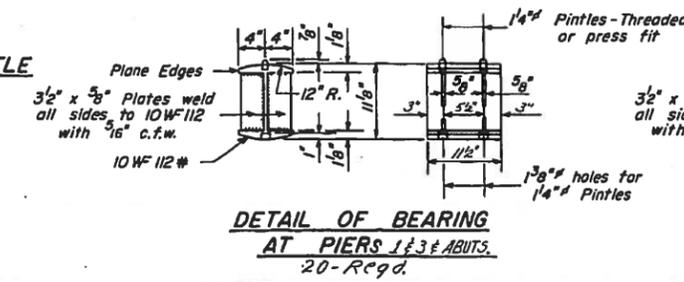
TABLE OF "t" DIMENSIONS

Location	Beams	1	2	3	4	5
All Locations		0	0	3/8"	0	0

DESIGNED *B.L. Chetani*
CHECKED *Emory J. Stichen*
DRAWN *W.A. Sausaman*
CHECKED *E.S.*

EXAMINED *H. Baumann*
PASSED *[Signature]*
APPROVED *R.L. Baumann*

MAY 5 1961



STRUCTURAL STEEL
FAI RT. 57 SEC. 28-5HB-2
FRANKLIN COUNTY
STA. 180+43

T-2-R Re-drawn 9-23-59

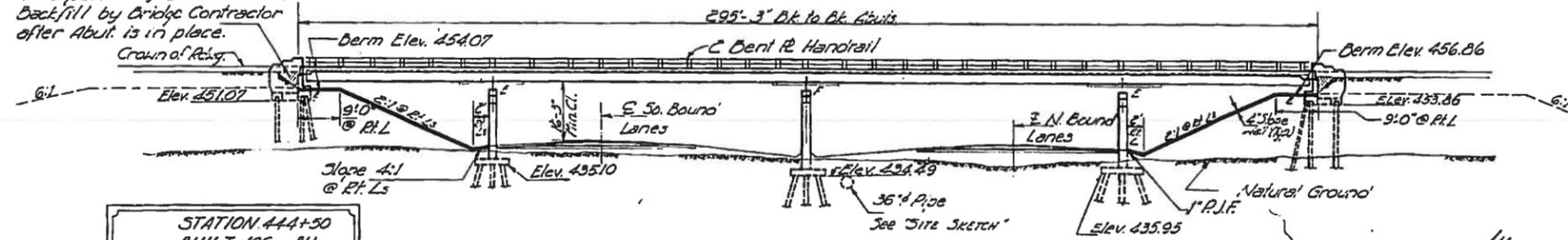
B.M. Conc. Monument 150' Rt. of Sta. 443+18
Elevation 440.66

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-57	28-34B	Franklin	33	11
SHEET NO. 1 9 SHEETS				

FOR INFORMATION ONLY

This portion of Embankment Backfill by Bridge Contractor after Abut. is in place.

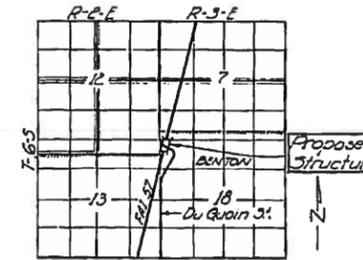


STATION 444+50
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 28-34B
F.A. PROJ. 1-57-2 (41)
LOADING H15-312

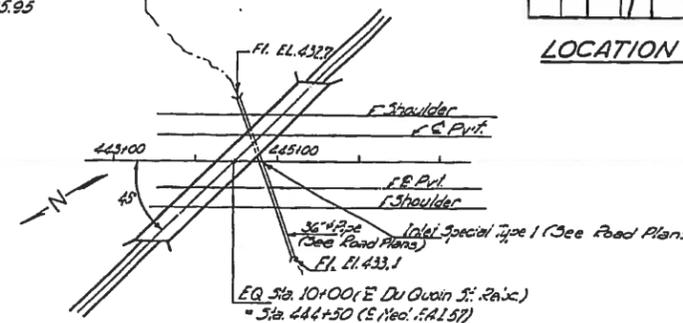
NAME PLATE
(See Standard 2113)

Note: Earthwork included in Balance Quantities
See tabulation of Earthwork Quantities on Sheet 2

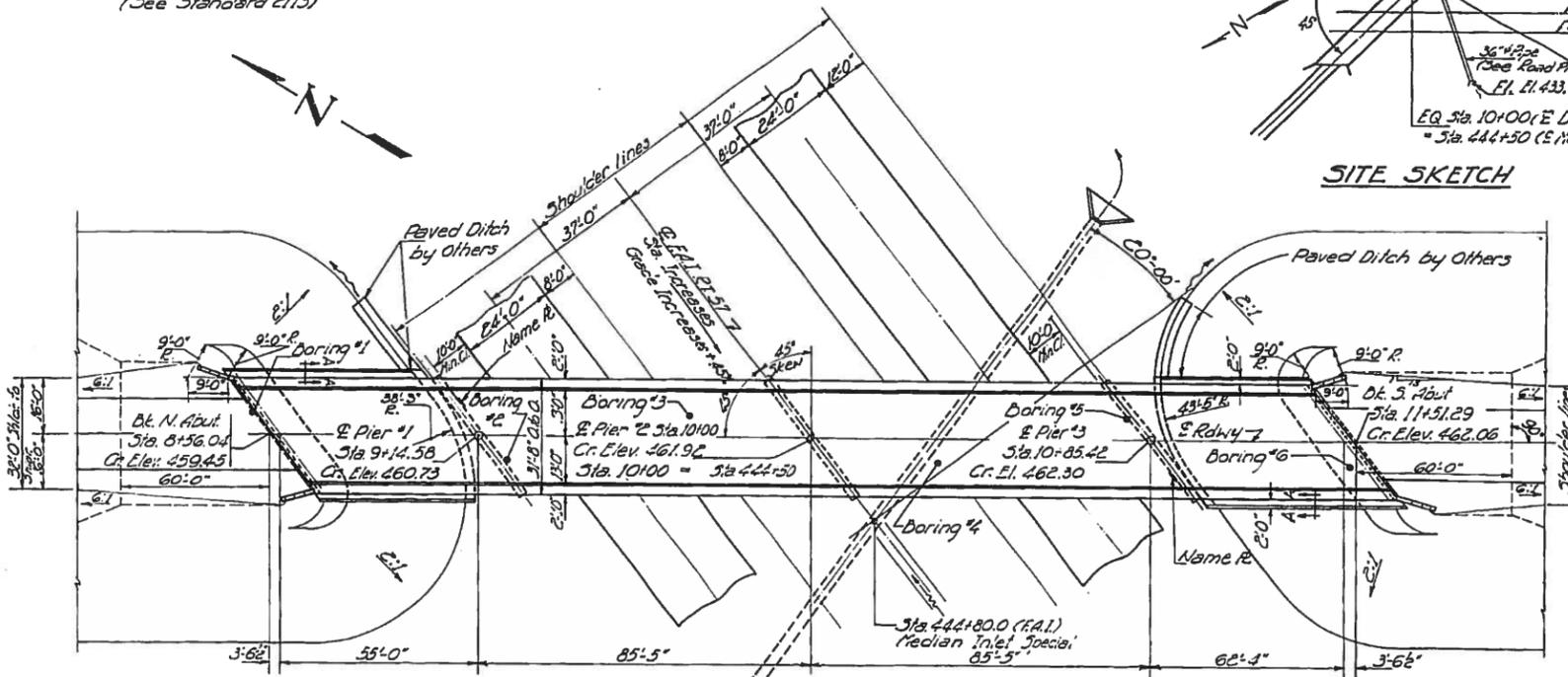
ELEVATION



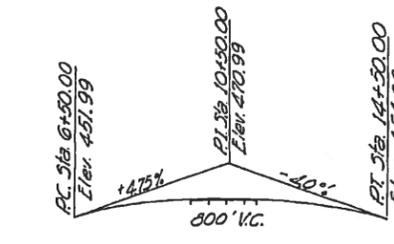
LOCATION SKETCH



SITE SKETCH



PLAN



PROFILE Du Quoin St. Reloc.

TOTAL BILL OF MATERIAL

Item	Super	Sub.	Total
* Class A Exc. for Structure	Cu. Yds.		200
Class X Concrete	Cu. Yds.	2720	2508
Structural Steel	Lbs.	227100	227100
Metal Handrail	Lbs.	582	582
Reinforcement Bars	Lbs.	46150	23980
Steel Piles (BPP36)	Lbs.	1785	1785
Name Plates	Ea.		2
Slope Wall 2'	Sq. Yds.		483
Protective Coat	Sq. Yds.	1035	1035
Test Piles (BPP36)	Ea.		2

*Includes excavation for slope wall

028-0064

GENERAL PLAN/ELEVATION

PROJ. 1-57-2 (41) 72

F.A.I. RT. 57 SEC. 28-34B

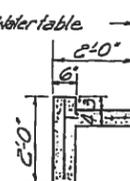
FRANKLIN COUNTY

STA. 10+00.00 (Du Quoin St. Reloc.) STA. 444+50 (F.A.I.)

DESIGNED C. Houston Corbett
CHECKED R. M. J. ...
DRAWN A. Barroza
CHECKED R. M. J. ...

EXAMINED W. E. Berman
PASSED ...
APPROVED ...

June 12 1962

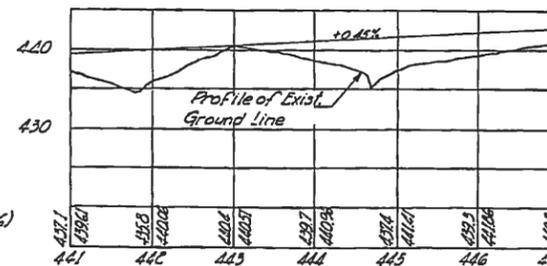


SEC. A-A

DESIGN STRESSES

$f_c = 1400$ psi Super
 $vc = 75$ psi Flgs.
 $f_s = 20000$ psi Reinf.
 $f_s = 20000$ psi Struct. (A36)
 $n = 10$

LOADING H15-312-44



F.A.I. 57 PROFILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 028-0064

USER NAME = gautneyrk
PLOT SCALE = 100.0000' / in.
PLOT DATE = 10/6/2017

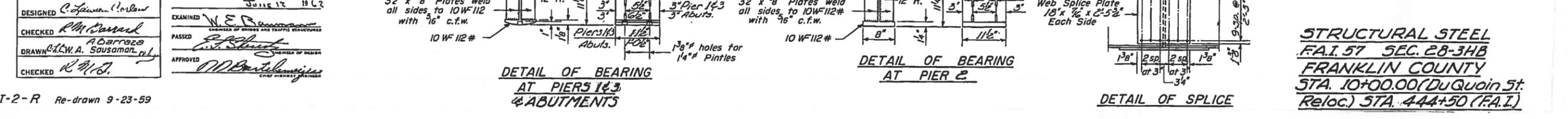
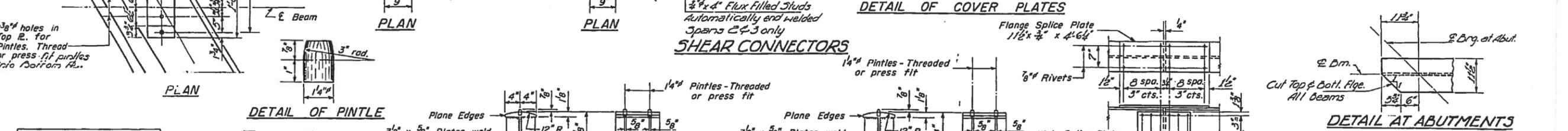
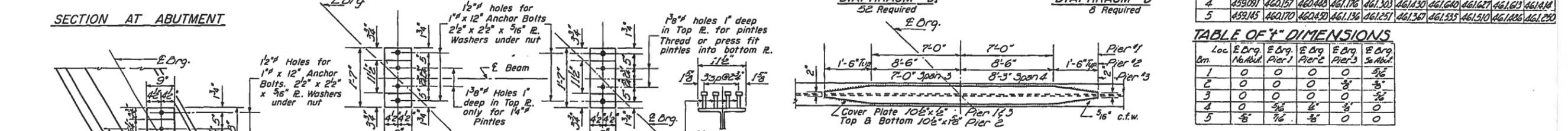
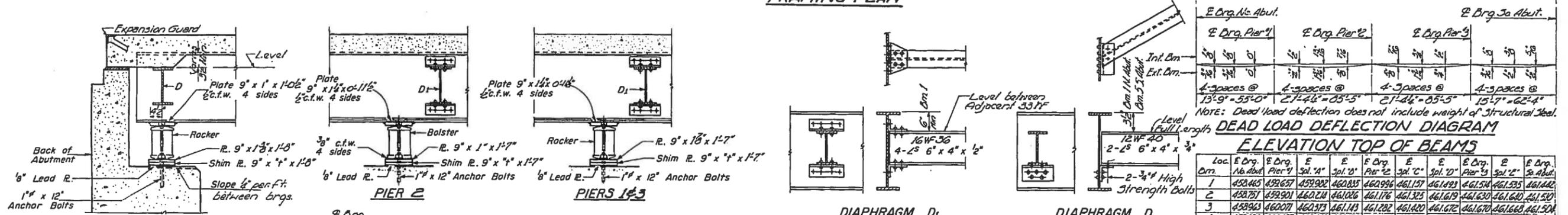
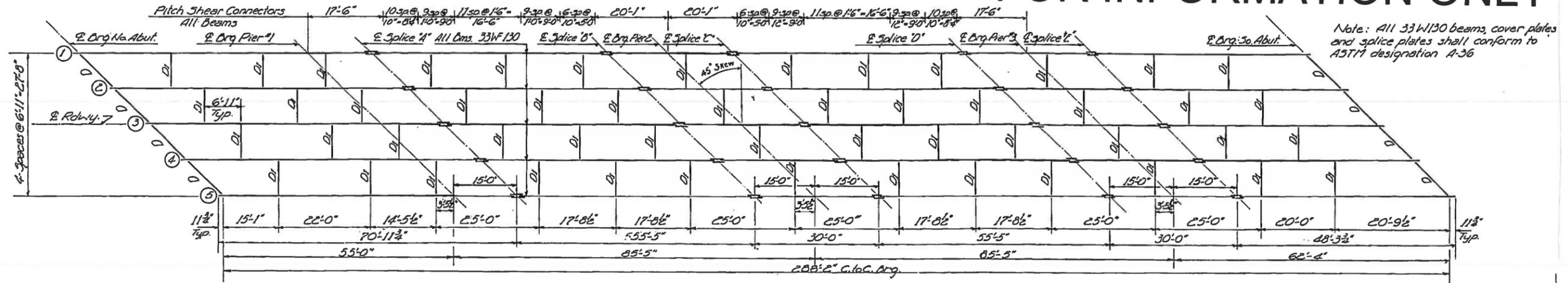
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D9 BRIDGE PAINT 2018-1		26	23
ILLINOIS			CONTRACT NO. 78614 FED. AID PROJECT NHP-PCV19961	

FOR INFORMATION ONLY



DEAD LOAD DEFLECTION DIAGRAM

NOTE: Dead load deflection does not include weight of structural steel.

Loc. Bm.	E. Drg. No. Abut.	E. Drg. Pier 1	E. Drg. Pier 2	E. Drg. Pier 3	E. Drg. So. Abut.
1	458,465	459,902	460,835	461,197	461,535
2	458,751	459,901	460,218	461,026	461,323
3	458,963	460,071	460,373	461,143	461,420
4	459,091	460,197	460,443	461,176	461,320
5	459,145	460,170	460,450	461,136	461,251

TABLE OF 1/2" DIMENSIONS

Loc. Bm.	E. Drg. No. Abut.	E. Drg. Pier 1	E. Drg. Pier 2	E. Drg. Pier 3	E. Drg. So. Abut.
1	0	0	0	0	5/8"
2	0	0	0	3/8"	3/8"
3	0	0	0	0	3/8"
4	0	3/8"	3/8"	3/8"	0
5	3/8"	3/8"	3/8"	0	0

DESIGNED: C. J. ...
CHECKED: R. M. ...
DRAWN: A. W. A. ...
APPROVED: M. ...

DATE: July 12, 1962

I-2-R Re-drawn 9-23-59

