

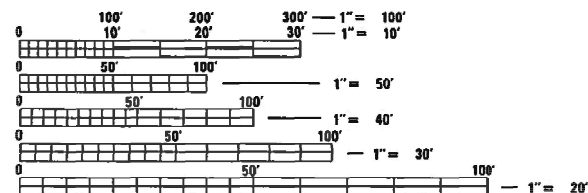
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80		HENRY	23	1
		ILLINOIS	CONTRACT NO. 64P70	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

FAI ROUTE 80 (I-80)
SECTION: (37-4HB, 37-4HB-1, 37-6HB-1)BP
PROJECT: NHPP NX0K(027)
TYPE of IMPROVEMENT: BRIDGE PAINTING
HENRY COUNTY

HENRY COUNTY
GENESEO TOWNSHIP - SECTIONS 33, 34 & 35
ANNAWAN TOWNSHIP - SECTIONS 1 & 2

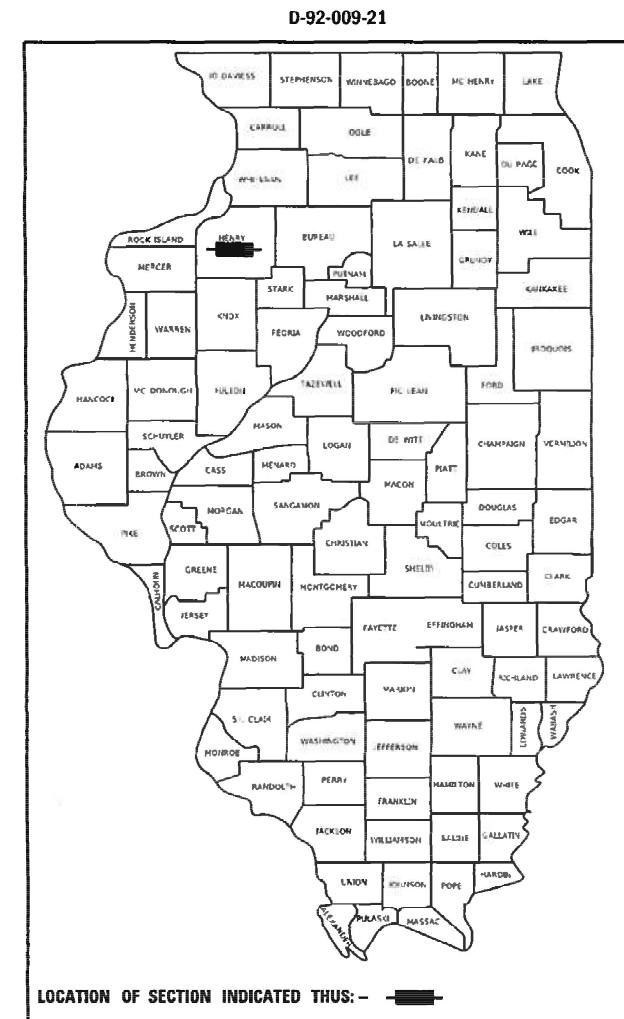
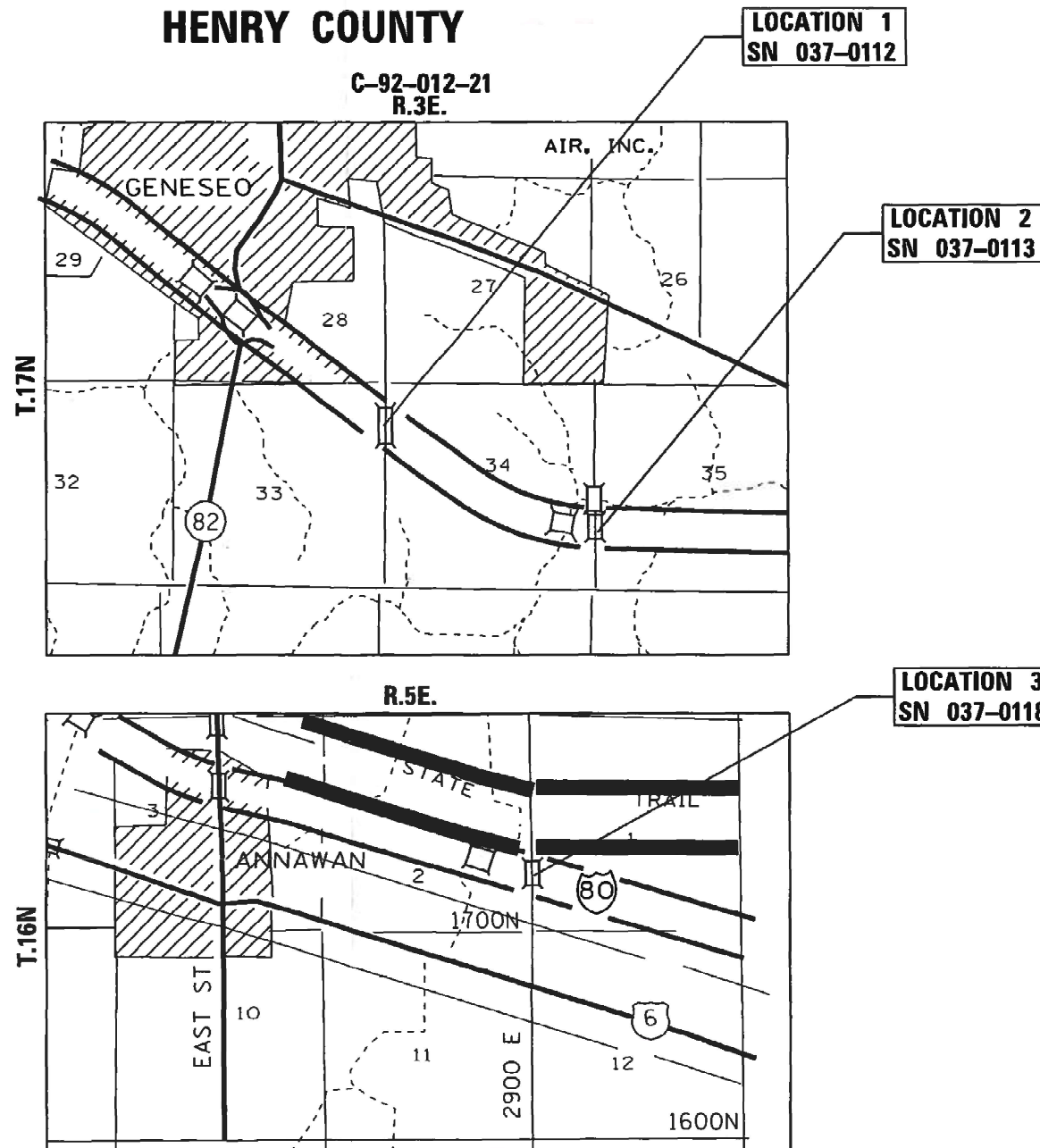


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DAVID DOSS (815) 284-5416
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64P70



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED Jan 14, 2021
[Signature]
REGIONAL ENGINEER
March 19, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 2021
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

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20-23	EXISTING PLAN SHEETS SN 037-0118 (FOR INFORMATION ONLY)

STATE STANDARDS

701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

GENERAL NOTES

LOCATION 1 - SN 037-0112

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING AND PAINTING STEEL BRIDGE NO. 1.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF CLEANING AND PAINTING STEEL BRIDGE NO. 1.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO. 1.

LOCATION 2 - SN 037-0113

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING AND PAINTING STEEL BRIDGE NO. 2.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF CLEANING AND PAINTING STEEL BRIDGE NO. 2.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO. 2.

LOCATION 3 - SN 037-0118

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR CLEANING AND PAINTING STEEL BRIDGE NO. 3.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF CLEANING AND PAINTING STEEL BRIDGE NO. 3.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE CLEANING AND PAINTING STEEL BRIDGE NO. 3.

LOCATIONS 1, 2 and 3 - SN's 037-0112, 037-0113 and 037-0118

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWNING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

RELOCATE TEMPORARY IMPACT ATTENUATOR WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIER AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD AND SPECIFICATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIER IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

THE SSPC OP1 & OP2 CONTRACT CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS,
STATE STANDARDS & GENERAL NOTES**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	2
CONTRACT NO. 64P70				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	0047 90% NHPP 10% STATE HENRY COUNTY	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	775	775
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	7750	7750
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	20	20
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1	1
X5067503	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3	L SUM	1	1
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	3	3
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

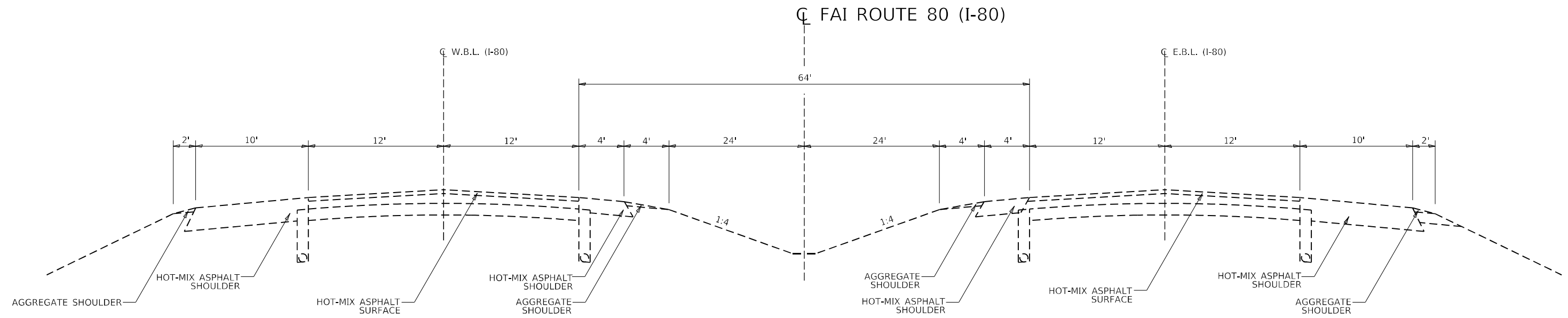
SUMMARY OF QUANTITIES

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	3
CONTRACT NO. 64P70				

ILLINOIS FED. AID PROJECT
*(37-4HB, 37-4HB-1, 37-6HB-1)BP

EXISTING TYPICAL



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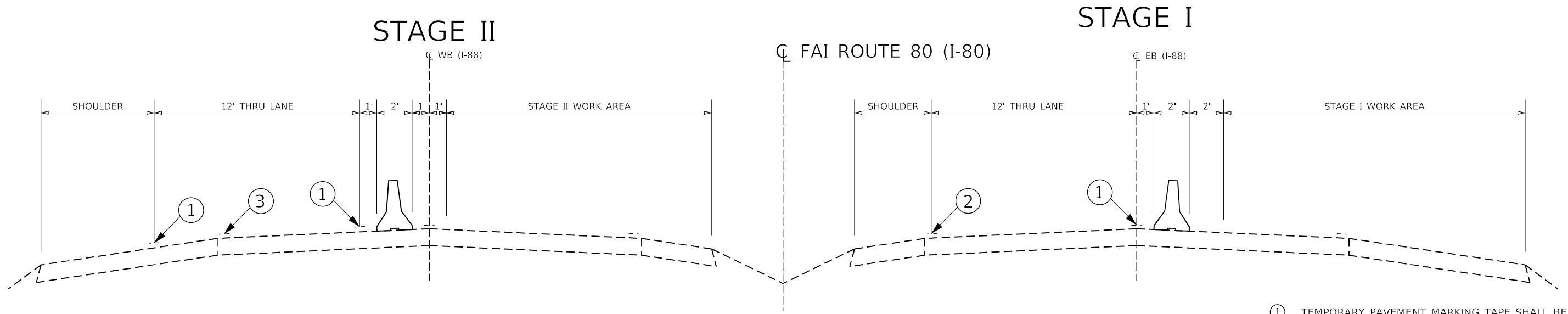
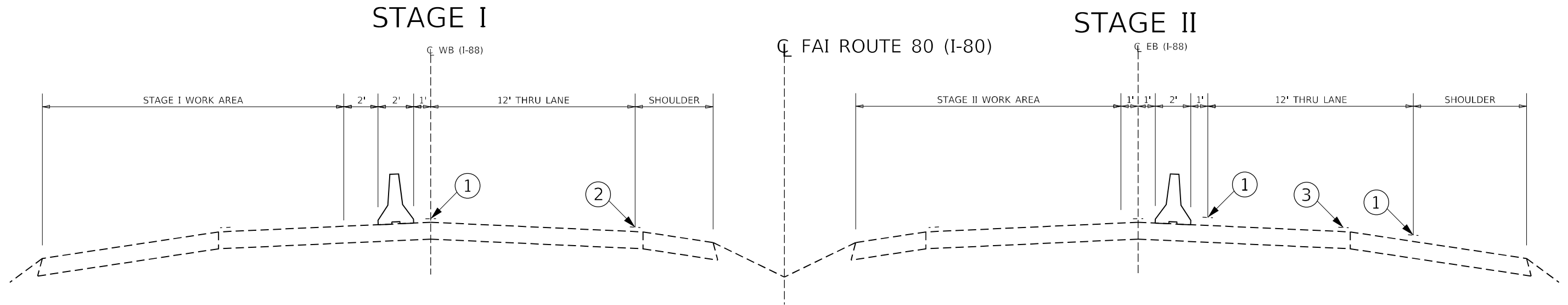
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL			
SCALE: _____	SHEET _____	OF _____	SHEETS
STA. _____	TO STA. _____		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	4
CONTRACT NO. 64P70				
ILLINOIS FED. AID PROJECT				

*(37-4HB, 37-4HB-1, 37-6HB-1)BP

STAGING TYPICALS



- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② EXISTING PAVEMENT MARKING LINE
- ③ BLACKOUT TAPE TO COVER CONFLICTING EXISTING PAVEMENT MARKING LINES

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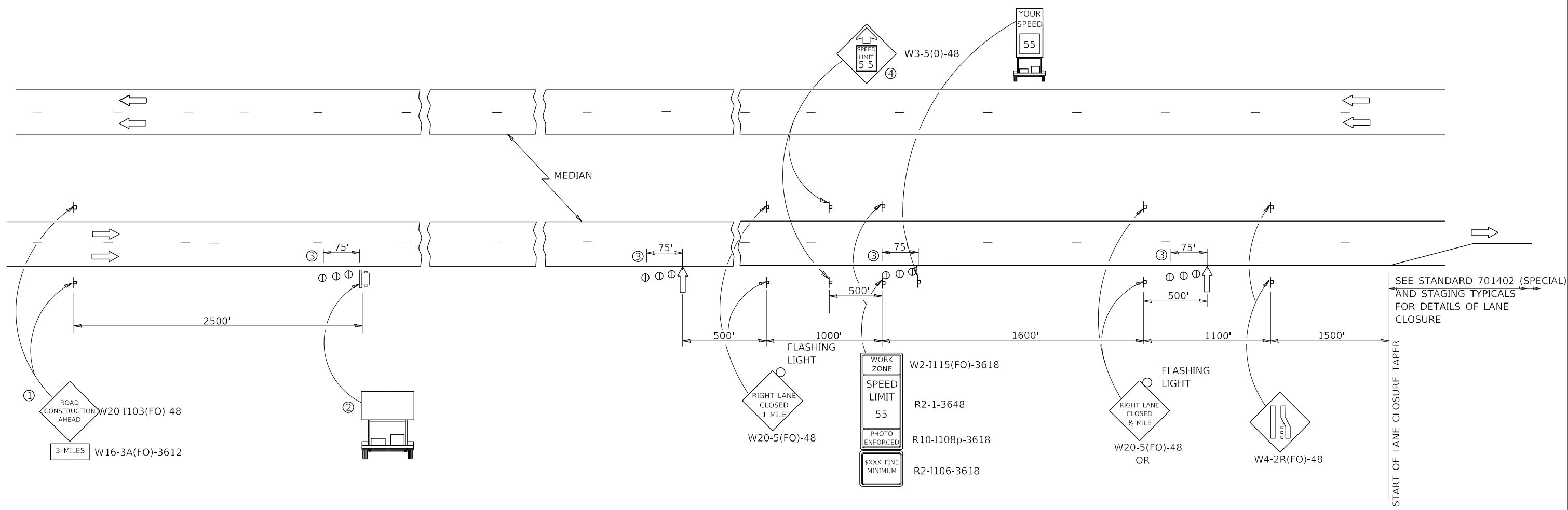
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	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING TYPICALS	
SCALE: _____	SHEET ____ OF ____ SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	5
CONTRACT NO. 64P70				

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- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ③ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ④ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TRAILER MOUNTED SPEED DISPLAY SIGN

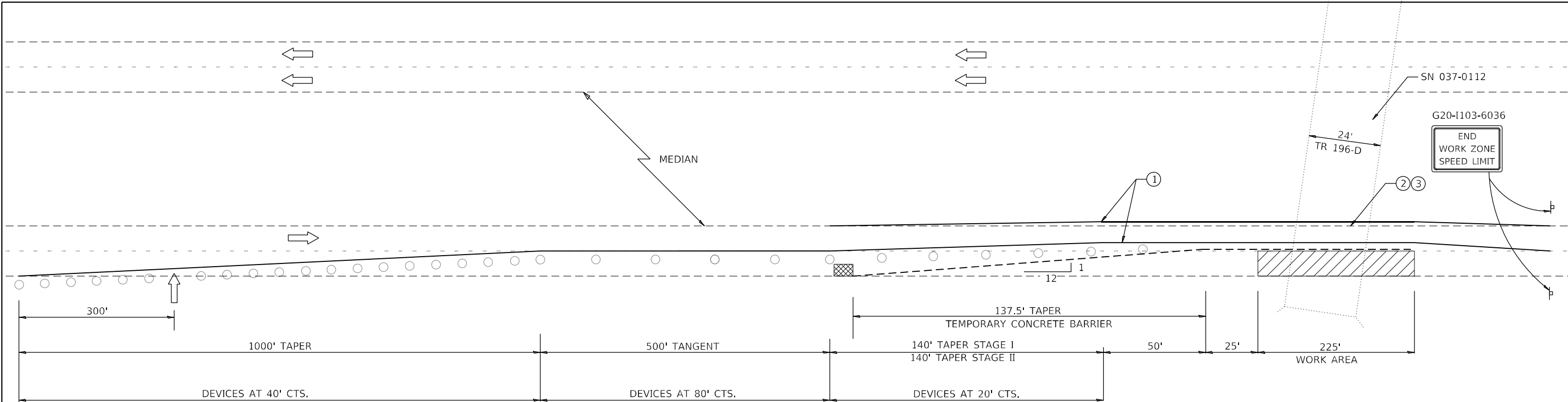
GENERAL NOTE:

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

USER NAME = dossdd PLOT SCALE = 40,0000 * / in. PLOT DATE = Jan-19-2021 10:00:22 AM	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL & PROTECTION, STANDARD 701400 (SPECIAL) FOR SN 037-0112 (ROADWAY 1500 E(TR 196-D) OVER I-80)	F.A.I. RTE. 80	SECTION *	COUNTY HENRY	TOTAL SHEETS 23	SHEET NO. 6	
	DRAWN - _____	REVISED - _____			CONTRACT NO. 64P70					
	CHECKED - _____	REVISED - _____			ILLINOIS FED. AID PROJECT					
	DATE - _____	REVISED - _____			(37-4HB, 37-4HB-1, 37-6HB-1)BP					
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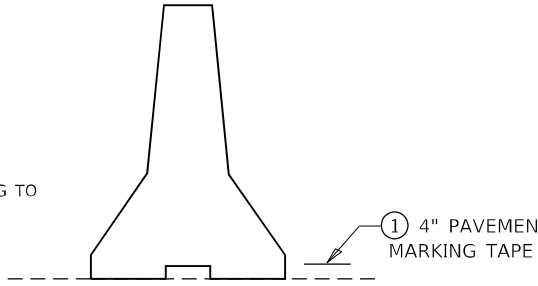
SEE STANDARD 701400 (SPECIAL) FOR APPROACH START OF LANE CLOSURE TAPER

PAVEMENT MARKINGS

ALL TEMPORARY PAVEMENT MARKING SHALL BE, PAVEMENT MARKING TAPE, TYPE IV 4" AND THE MATERIALS SHALL BE ACCORDING TO ARTICLE 1095.06 OF THE STANDARD AND SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE ALL TEMPORARY PAVEMENT MARKING TAPE. THIS WORK SHALL NOT BE PAID SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)".

ALL CONFLICTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROTECTED PRIOR TO COVERING WITH PAVEMENT MARKING BLACKOUT TAPE, 4". PAVEMENT MARKING BLACKOUT TAPE, 4" SHALL EXTEND A MINIMUM OF 2 INCHES BEYOND THE EXISTING MARKINGS OR REFLECTORS IN ALL DIRECTIONS. THIS WORK SHALL INCLUDE PROTECTING EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS, INSTALLING, MAINTAINING AND REMOVING BLACKOUT TAPE. THIS WORK SHALL NOT BE PAID SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)".

*NO EQUIPMENT OR MATERIALS SHALL ENCR OACH WITHIN A DISTANCE OF 2'-0" AS MEASURED FROM THE BASE OF THE TEMPORARY CONCRETE BARRIER TO THE ϕ OF ROADWAY



TEMPORARY CONCRETE BARRIER

SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- TRAFFIC CONTROL DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② EXISTING PAVEMENT MARKING LINE
- ③ BLACKOUT TAPE TO COVER CONFLICTING EXISTING PAVEMENT MARKING LINES

GENERAL NOTES

THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 (600) OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

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ANCHORED ACCORDING TO ARTICLE 704.04

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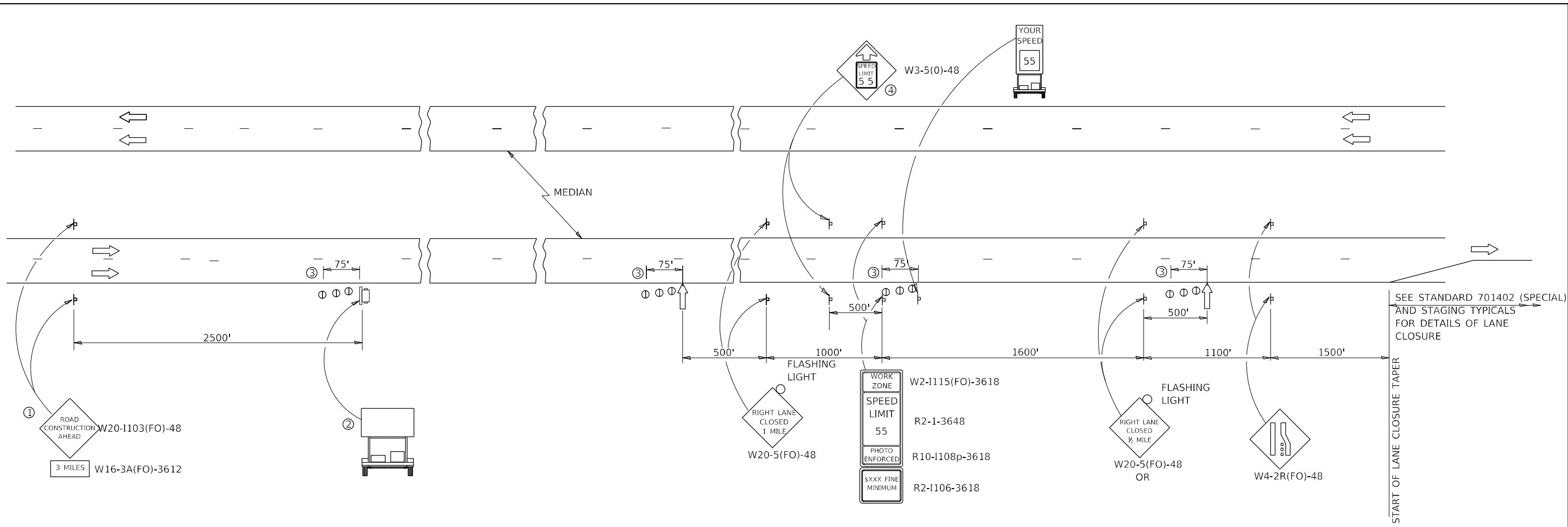
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION, STANDARD 701402 (SPECIAL)
FOR SN 037-0112 (ROADWAY 1500 E(TR 196-D) OVER I-80)

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64P70	

(37-4HB, 37-4HB-1, 37-6HB-1)BP



- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ③ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ④ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⌋ SIGN
- ⊙ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- 🚛 TRAILER MOUNTED SPEED DISPLAY SIGN

GENERAL NOTE:

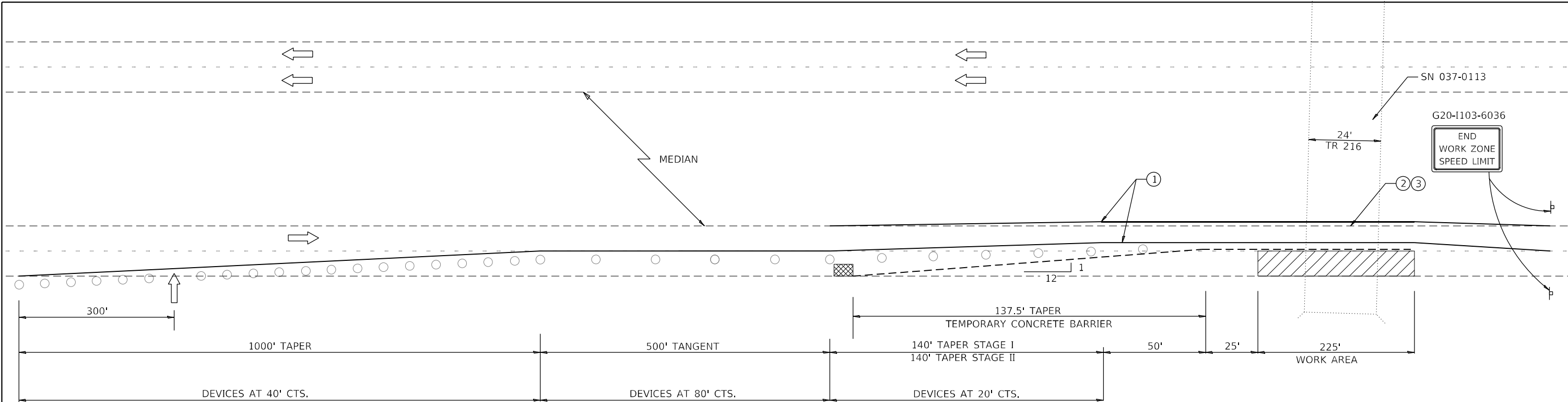
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

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SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____				ILLINOIS FED. AID PROJECT	



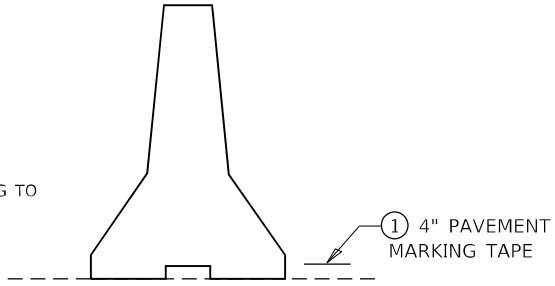
SEE STANDARD 701400 (SPECIAL) FOR APPROACH START OF LANE CLOSURE TAPER

PAVEMENT MARKINGS

ALL TEMPORARY PAVEMENT MARKING SHALL BE, PAVEMENT MARKING TAPE, TYPE IV 4" AND THE MATERIALS SHALL BE ACCORDING TO ARTICLE 1095.06 OF THE STANDARD AND SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE ALL TEMPORARY PAVEMENT MARKING TAPE. THIS WORK SHALL NOT BE PAID SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)".

ALL CONFLICTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROTECTED PRIOR TO COVERING WITH PAVEMENT MARKING BLACKOUT TAPE, 4". PAVEMENT MARKING BLACKOUT TAPE, 4" SHALL EXTEND A MINIMUM OF 2 INCHES BEYOND THE EXISTING MARKINGS OR REFLECTORS IN ALL DIRECTIONS. THIS WORK SHALL INCLUDE PROTECTING EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS, INSTALLING, MAINTAINING AND REMOVING BLACKOUT TAPE. THIS WORK SHALL NOT BE PAID SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)".

*NO EQUIPMENT OR MATERIALS SHALL ENCR OACH WITHIN A DISTANCE OF 2'-0" AS MEASURED FROM THE BASE OF THE TEMPORARY CONCRETE BARRIER TO THE ϕ OF ROADWAY



TEMPORARY CONCRETE BARRIER

SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- TRAFFIC CONTROL DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② EXISTING PAVEMENT MARKING LINE
- ③ BLACKOUT TAPE TO COVER CONFLICTING EXISTING PAVEMENT MARKING LINES

GENERAL NOTES

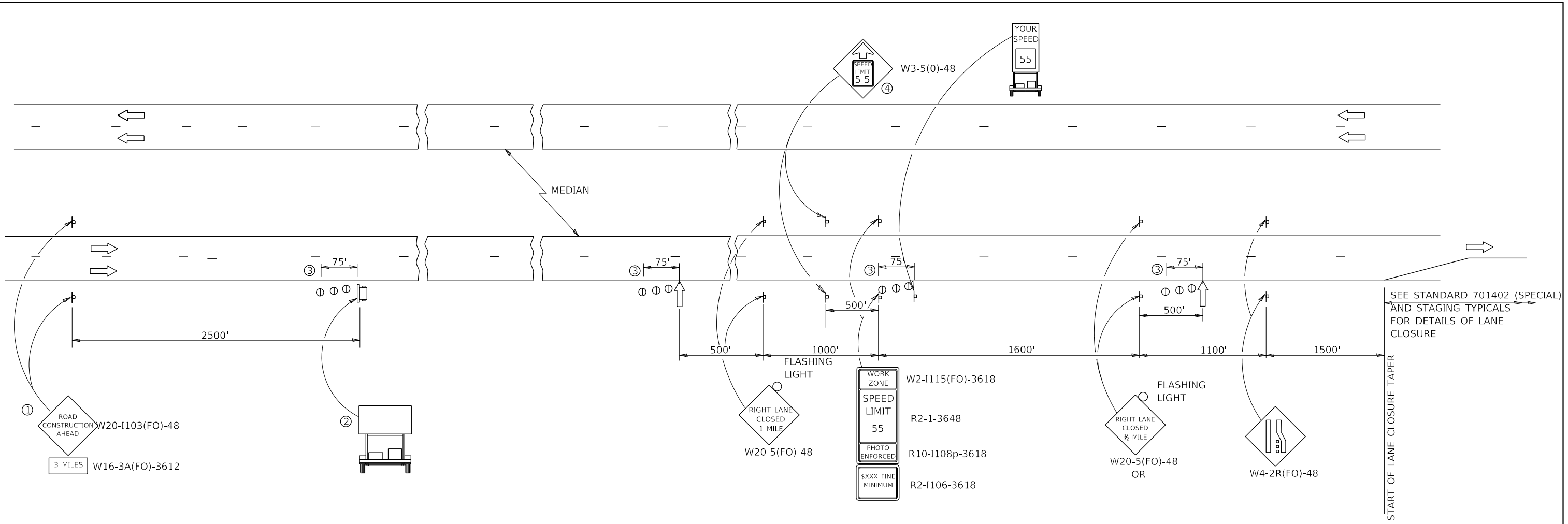
THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 (600) OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

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USER NAME = drossod	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL & PROTECTION, STANDARD 701402 (SPECIAL) FOR SN 037-0113 (ROADWAY 1600 E(TR 216) OVER I-80)	F.A.I. RTE. 80	SECTION *	COUNTY HENRY	TOTAL SHEETS 23	SHEET NO. 9	
PLOT SCALE = 40,0000 * / in.	CHECKED - _____	REVISED - _____			CONTRACT NO. 64P70					
PLOT DATE = Jan-19-2021 10:01:19 AM	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____



- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ③ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ④ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⌋ SIGN
- ⊙ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- 🚛 TRAILER MOUNTED SPEED DISPLAY SIGN

GENERAL NOTE:

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

MODEL: Default
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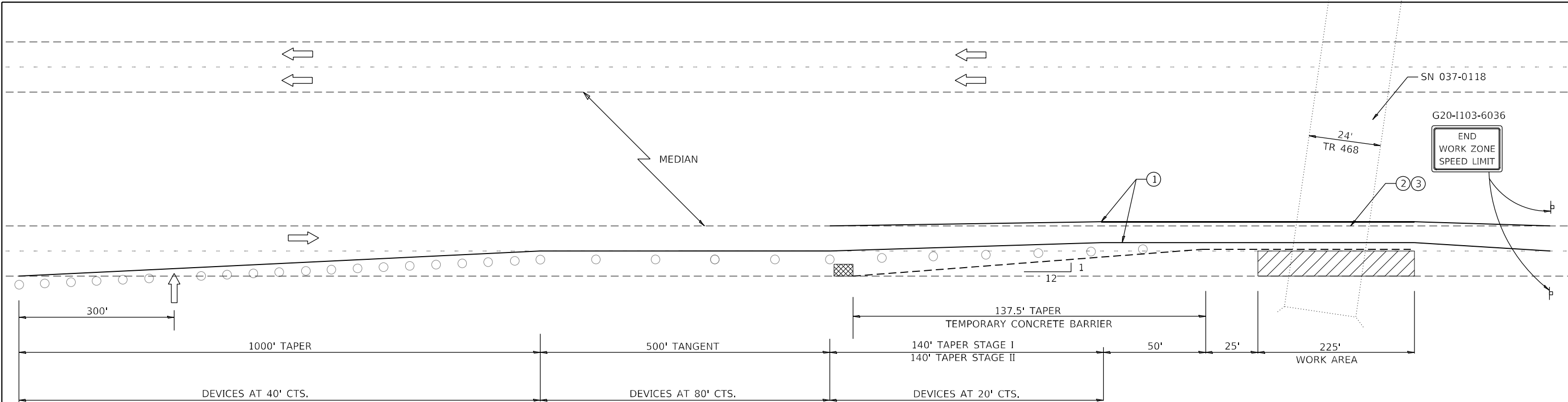
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DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 40,0000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = Jan-19-2021 10:02:02 AM	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION, STANDARD 701400 (SPECIAL)
FOR SN 037-0118 (ROADWAY 2900 E(TR 468) OVER I-80)**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	HENRY	23	10
CONTRACT NO. 64P70				
ILLINOIS FED. AID PROJECT				



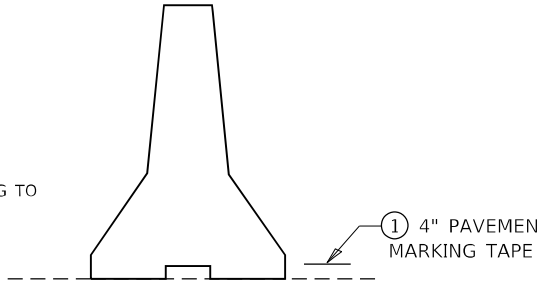
SEE STANDARD 701400 (SPECIAL) FOR APPROACH START OF LANE CLOSURE TAPER

PAVEMENT MARKINGS

ALL TEMPORARY PAVEMENT MARKING SHALL BE, PAVEMENT MARKING TAPE, TYPE IV 4" AND THE MATERIALS SHALL BE ACCORDING TO ARTICLE 1095.06 OF THE STANDARD AND SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND REMOVE ALL TEMPORARY PAVEMENT MARKING TAPE. THIS WORK SHALL NOT BE PAID SEPERATELY AND SHALL BE INCLUDED IN THE COST OF THE "TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)".

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TEMPORARY CONCRETE BARRIER

SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- TRAFFIC CONTROL DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

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- ② EXISTING PAVEMENT MARKING LINE
- ③ BLACKOUT TAPE TO COVER CONFLICTING EXISTING PAVEMENT MARKING LINES

GENERAL NOTES

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THIS STANDARD MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

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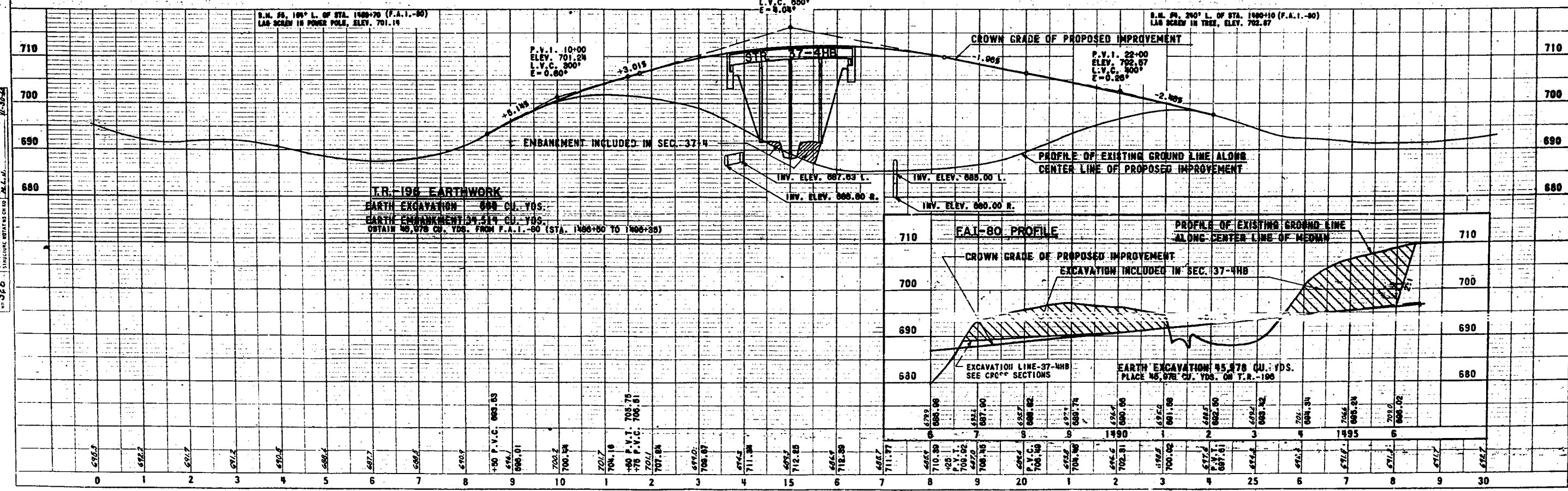
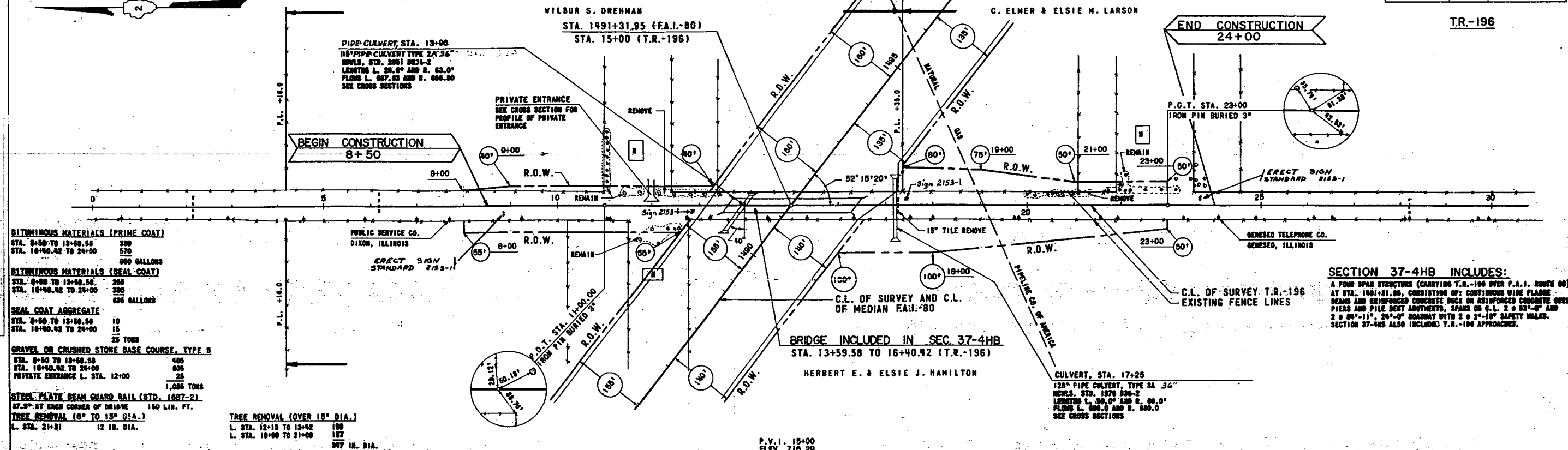
USER NAME = drossod	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL & PROTECTION, STANDARD 701402 (SPECIAL) FOR SN 037-0118 (ROADWAY 2900 E(TR 468) OVER I-80)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000 * / in.	DRAWN - _____	REVISED - _____			80	*	HENRY	23	11
PLOT DATE = Jan-19-2021 10:02:20 AM	CHECKED - _____	REVISED - _____			CONTRACT NO. 64P70				
	DATE - _____	REVISED - _____			ILLINOIS FED. AID PROJECT				

037-0112

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-80	37-4HB	HENRY	25	3
SHEET ROAD DIST. NO. 7		PLAN	PROJECT	

TR-196

U.S.C. & G.S. DATUM
5TH GA-1929



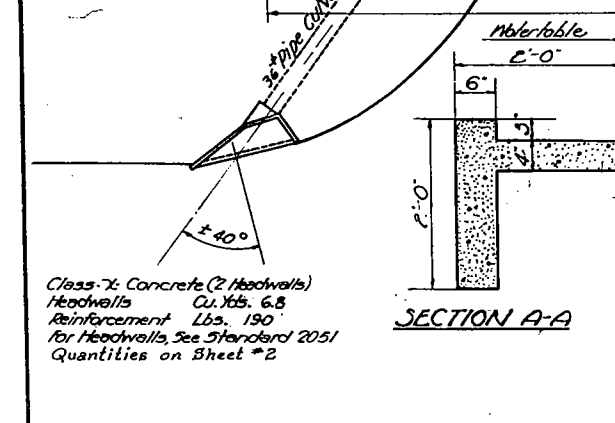
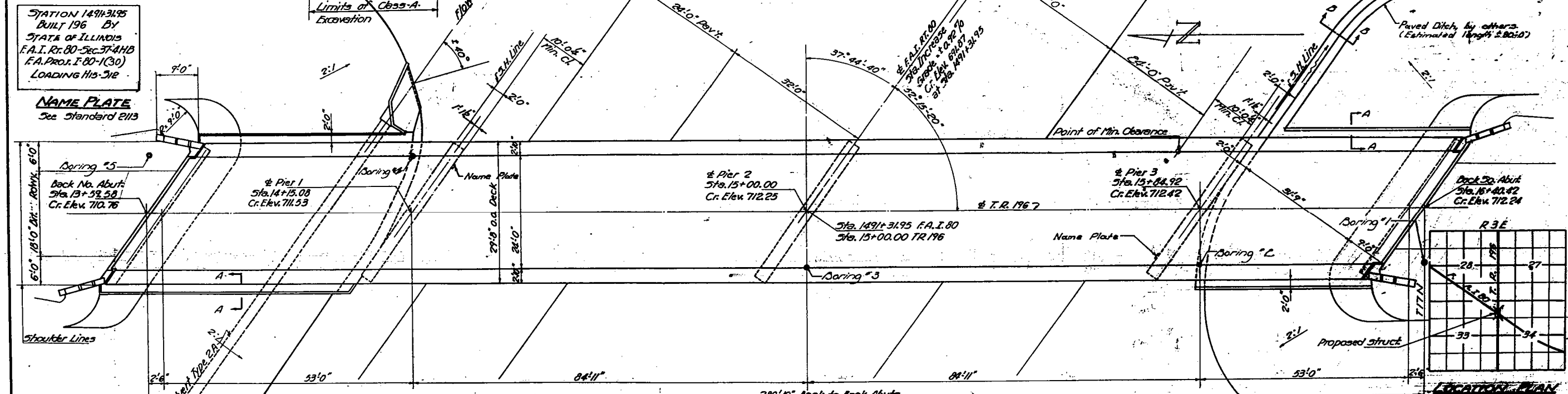
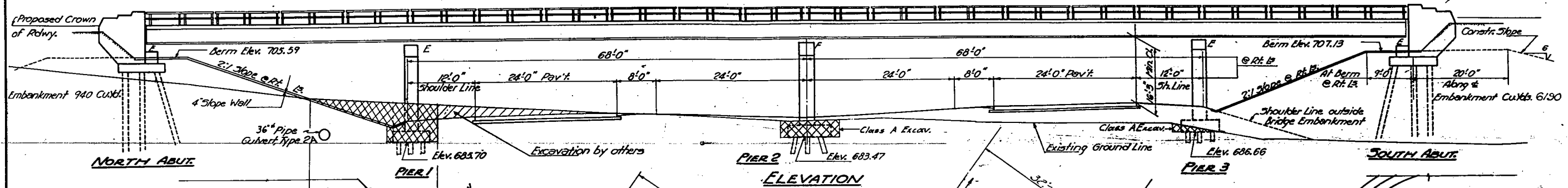
DATE	BY	REVISION
7-59	Z.L.	PLAN
7-59	Z.L.	PROFILE
7-59	Z.L.	SECTION
7-59	Z.L.	DETAILS

DATE	BY	REVISION
7-59	Z.L.	PLAN
7-59	Z.L.	PROFILE
7-59	Z.L.	SECTION
7-59	Z.L.	DETAILS

A.M. 1/4 Lag Screw in west trunk of Tree 240 Ft. Lt. Sta. 1490+10, Elev. 702.87
 No. Existing Structure

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	37-416	Henry	25	4
P.L. ROAD DIST. NO. 7		ILLINOIS		FOR A.P. PROJECT: F. 80-1 (3-2) 30



DESIGNED: J. F. Bates
 CHECKED: Joseph W. Gamm
 DRAWN: H. Miller
 CHECKED: J. W. G.
 EXAMINED: H. G. Bauman
 PASSED: C. H. Bennett
 APPROVED: R. H. Bantleman

GENERAL NOTES

Class-X Concrete shall be used throughout.

The concrete floor slab shall be finished in accordance with Art. 51.19 of the Standard Specifications.

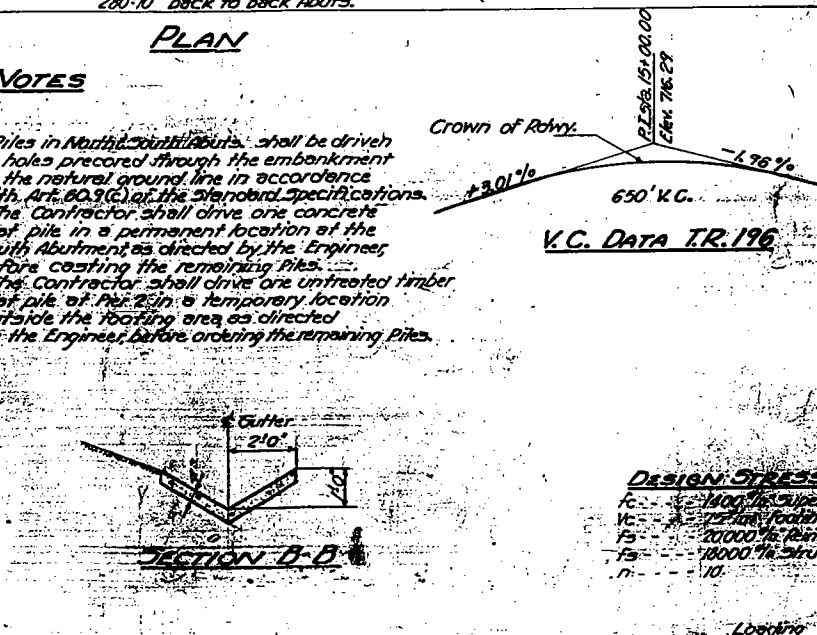
The slope wall shall be reinforced with welded wire fabric. 6x6 mesh, 4 wires, weighing 58" per 100 sq. ft.

Rivers 3/4", Open Holes 1 3/8" unless noted.

All rockers, bolsters, bearing plates 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. The 150 Lbs. Anchor Bolts shall be set before installing the girders over supports.

Course aggregate which is to be used in and must be free of chert, flint, limonite, lignite and soft sandstone.

Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Arts. 58.1 to 58.5 inclusive of the Standard Specifications.



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUBSTR.	TOTAL
Class-A Excavation Per Struct	Cu Yds			200
Class-X Concrete	Cu Yds	223.6	218.2	441.8
Structural Steel	Lbs.	20110		20110
Metal Handrail	Lin. Ft.	558		558
Pipe Culvert Type 2436	see Sheet #2			
Reinforcement Bars	Lbs.	33320	17310	50630
Name Plates	Each	2		2
Crossed Piles (Over 36 Ft)	Lin. Ft.			0/6
Test Piles Timber	Each			1
Concrete Piles	Lin. Ft.			981
Test Piles Concrete	Each			1
Crossed Piles (Over 36 Ft)	Lin. Ft.			1504

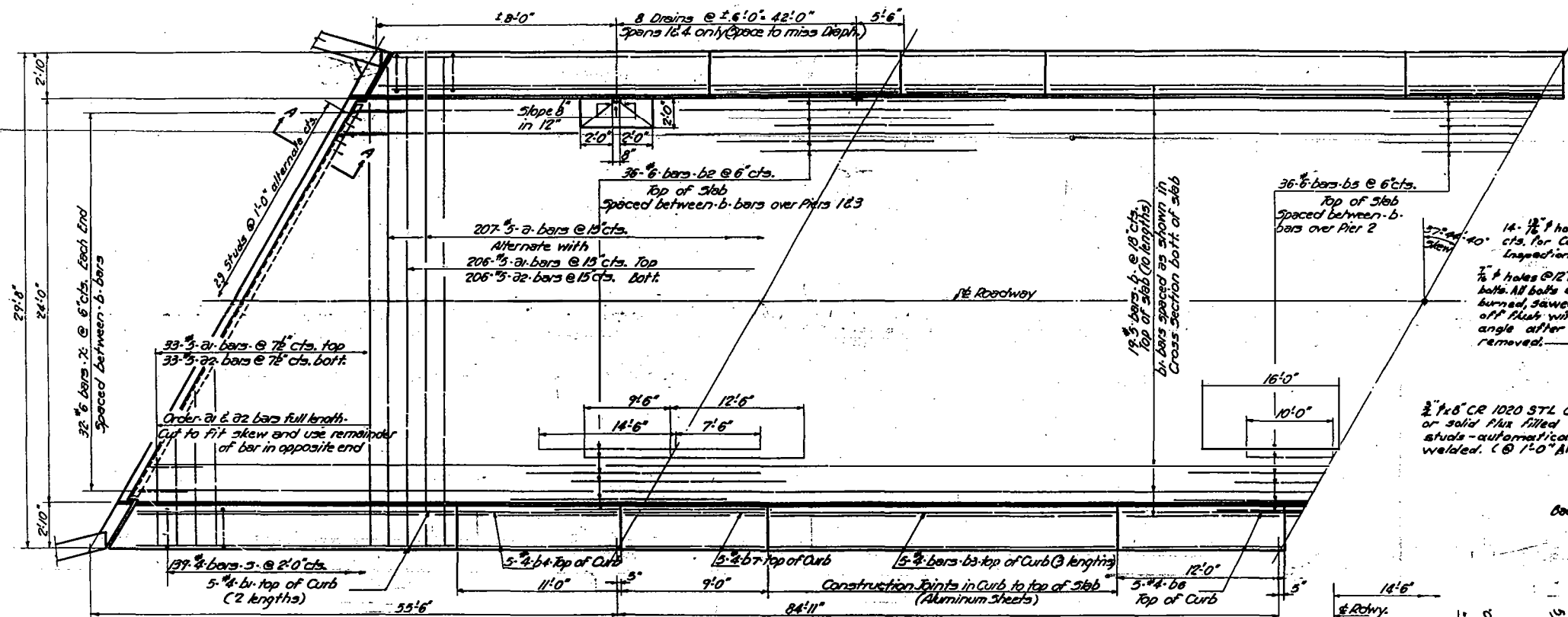
DESIGN STRESSES

$f_c = 1400$ lbs./sq. in.
 $f_s = 20000$ lbs./sq. in.
 $f_t = 18000$ lbs./sq. in. (Struct.)
 $n = 10$

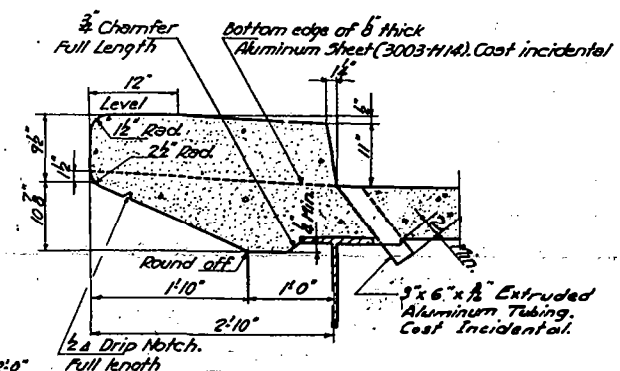
GENERAL PLAN & ELEVATION
 I.R. 196 OVER F.A.I. R. 80
 PROJECT F. 80-1 (30) 20
 F.A.I. DIST. SEC. 37-416
 HENRY COUNTY
 STATION 1491+31.95

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

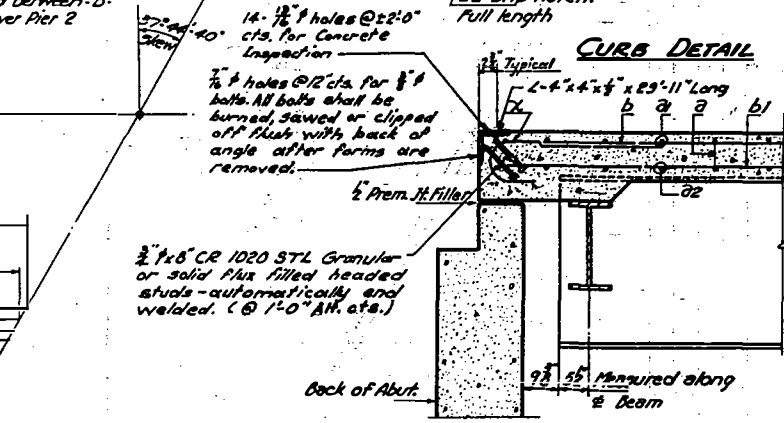
ROUTE NO.	SECTION	COUNTY	MILES	SHEET NO.	TOTAL SHEETS
E.A. 80	37-414	HENRY	2.5	5	10 SHEETS
FILE NO. SEC. NO. 7	PLANS	FILE NO. PROJECT			



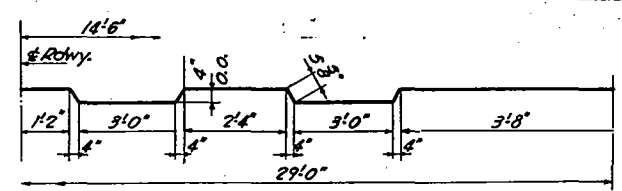
HALF PLAN



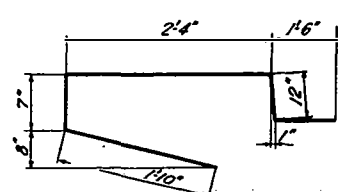
CURB DETAIL



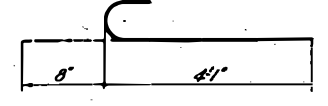
SECTION A-A



BAR 3



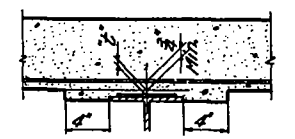
BAR 5



BAR 7

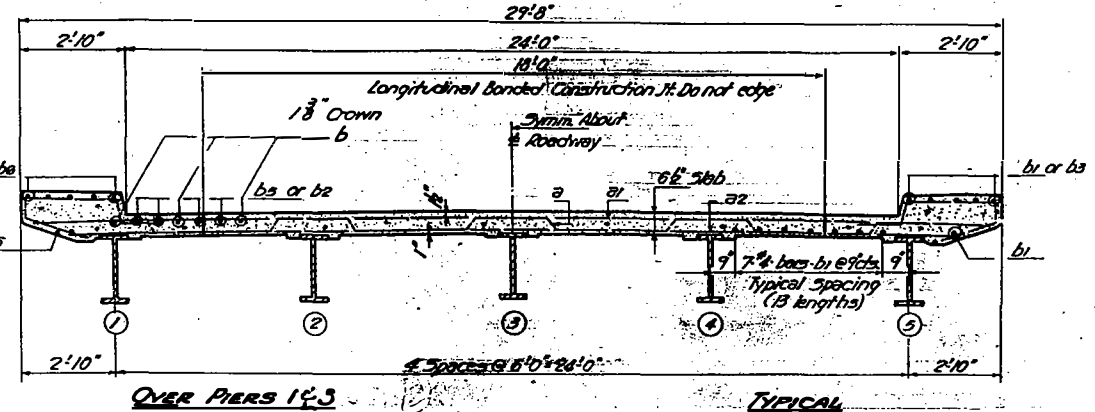
BILL OF MATERIAL

BAR	No.	SIZE	LENGTH	GRADE
a	207	5	20'-11"	---
a1	239	5	29'-0"	---
a2	239	5	26'-0"	---
b	190	5	29'-0"	---
b1	430	6	22'-6"	---
b2	72	6	22'-0"	---
b3	60	4	22'-5"	---
b4	20	4	10'-9"	---
c	278	4	7'-3"	---
d	64	6	4'-9"	---
d1	36	6	26'-0"	---
d2	20	4	11'-9"	---
d3	20	4	8'-9"	---
Chas. T. Concrete Curb. C.C.G.				
Structural Steel lbs. 268,540				



METHOD OF DETERMINING FILLET HEIGHT

After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 Ft. From these elevations subtract the increment of deflections for these points determined from the Dead Load Deflection Diagram. The elevations so obtained subtracted from the theoretical grade elevations, minus floor thickness equals the fillet heights above top of beam.



TYPICAL CROSS SECTION

DESIGNED J.F. Oates
CHECKED G.W. L.
DRAWN H. Miller
CHECKED G.W. L.

EXAMINED FEB 14 1961
PASSED H.W. Bannerman
APPROVED R.L. Bantel

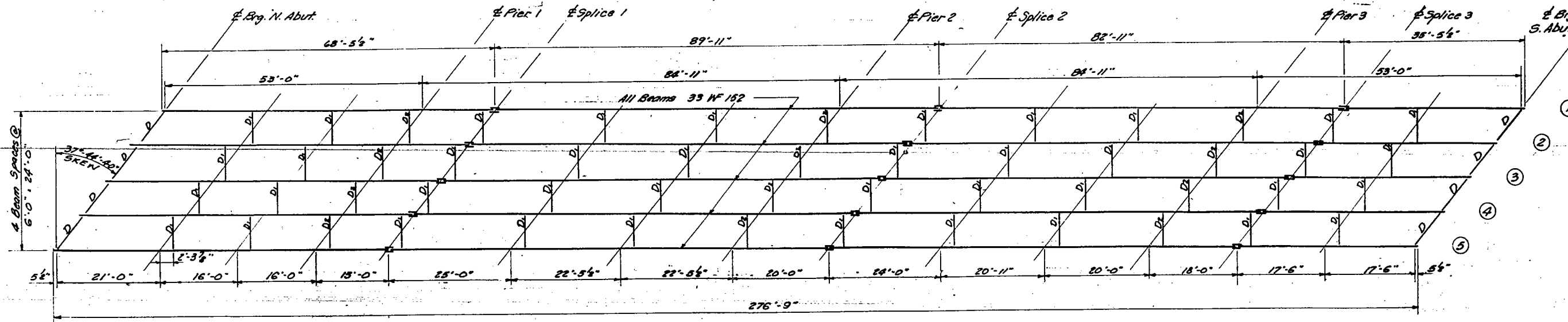
STRUCTURE
E.A. ROUTE 80 - SEC. 37-414
HENRY COUNTY
STATION 1491+31.95

FOR INFORMATION ONLY

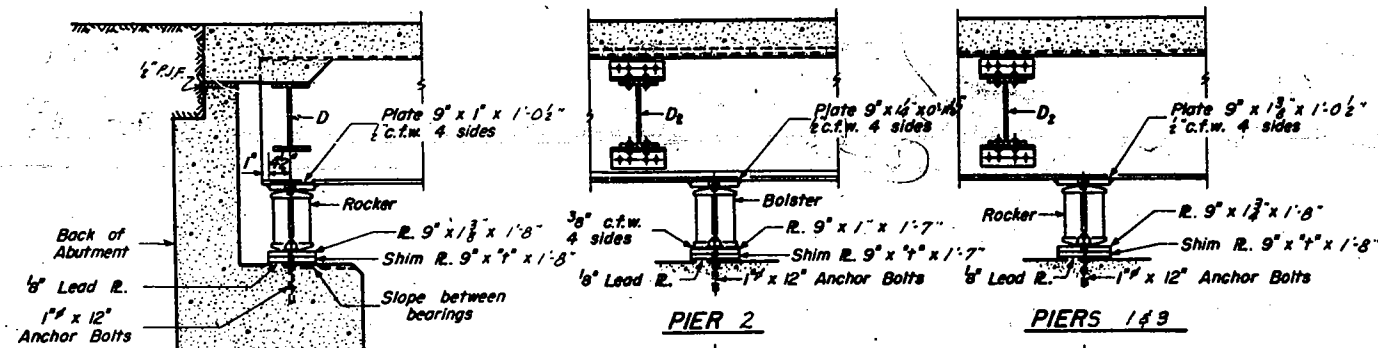
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	DRAWN	CHECKED	SCALE	SHEET NO.
FEB 14 1961	J. F. Potts	Joseph W. Gami	2.5	6

PROJECT: STA. 1491+31.95
SHEET NO. 3 OF 10 SHEETS



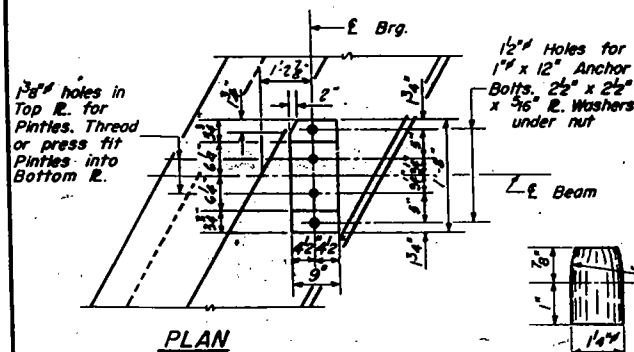
PLAN OF STRUCTURAL STEEL



SECTION AT ABUTMENT

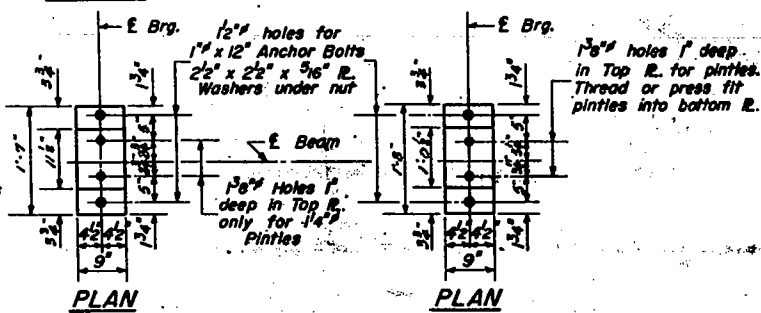
PIER 2

PIERS 1 & 3



PLAN

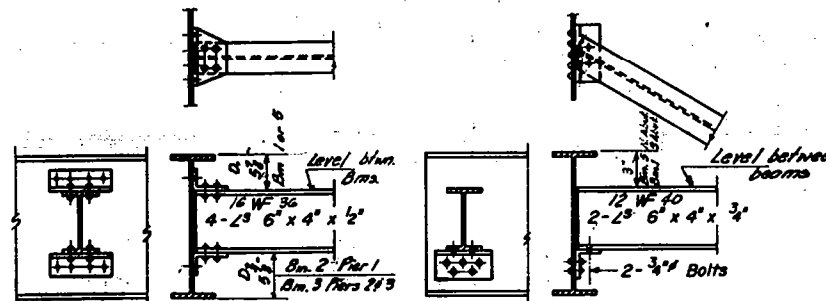
DETAIL OF PINTLE



PLAN

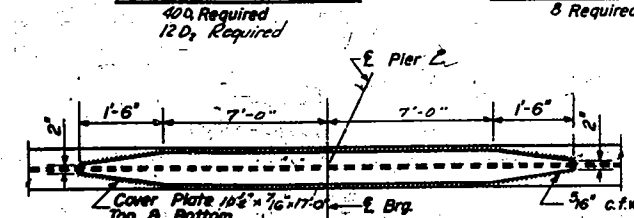
PLAN

DETAIL OF BEARING AT PIERS 1 & 3 AND ABUT

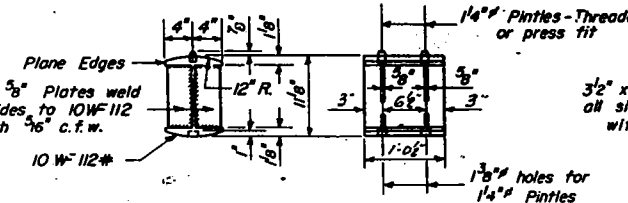


DIAPHRAGM D & D2

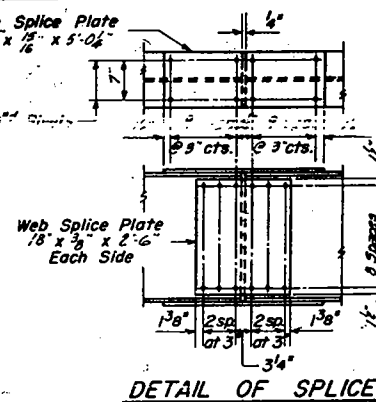
DIAPHRAGM D



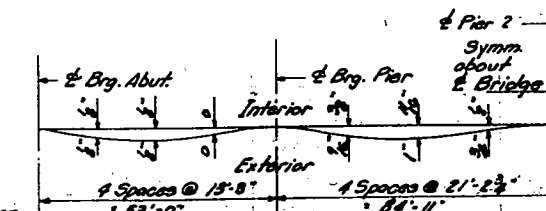
DETAIL OF COVER PLATES



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE



DEAD LOAD DEFLECTION DIAGRAM
Note: Includes weight of concrete only.
The above deflections are not for use in the field if the Engineer is working from the Theoretical grade. Also required for dead load deflections.

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5
Brig. N.	710.91	710.92	710.93	710.18	710.02
Pier 1	710.91	710.94	710.92	710.89	710.89
Splice 1	711.08	711.12	711.10	711.02	710.88
Pier 2	711.53	711.69	711.60	711.64	711.43
Splice 2	711.66	711.73	711.74	711.69	711.59
Pier 3	711.65	711.74	711.73	711.75	711.67
Splice 3	711.65	711.75	711.79	711.77	711.70
Brig. S.	711.56	711.67	711.73	711.72	711.65

TABLE OF "I" DIMENSIONS

Beam #1	Brig. N.	Pier 1	Pier 2	Pier 3	Brig. S.
43	1/2"	1/2"	1/2"	1/2"	1/2"
44	1/2"	1/2"	1/2"	1/2"	1/2"
45	1/2"	1/2"	1/2"	1/2"	1/2"

STRUCTURAL STEEL
F.A.I. RT. 80 SEC. 37-4HB
HENRY COUNTY
STA. 1491+31.95

DESIGNED J. F. Potts
CHECKED Joseph W. Gami
DRAWN W. A. Sousamant
CHECKED J. W. G.
FEB 14 1961
EXAMINED W. B. Beaman
PASSED E. H. H. H.
APPROVED R. L. Brantelmann

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

FOR INFORMATION ONLY

037-0113

U.S.C. & G.S. DATUM
5TH GA-1929

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAY-88	37-4HB-1	HENRY	33	3
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	
T.R.-216				

SECTION 37-4HB-1 INCLUDES:

A FOUR SPAN STRUCTURE (CARRYING T.R. 216 OVER F.A.I. ROUTE 30) AT STA. 1551+00.00, CONSISTING OF: CONTIGUOUS STEEL I-BEAM AND REINFORCED CONCRETE DECK ON REINFORCED CONCRETE PIERS AND PILE BENT. APPROX. SPAN OF C.L. 24' 11"-5" AND 24' 47"-8", 24'-0" ROADWAY WITH 24' 2"-10" SAFETY MALS. SECTION 37-4HB-1 ALSO INCLUDES T.R. 216 APPROACHES

CULVERT INCLUDED IN SEC. 37-4HB-1
STA. 1548+75 F.A.I. 80
R.C. BOX CULVERT SEE SHEETS 16 AND 17
EST. 325 CU. YDS. CHANNEL EXC.

C.L. MEDIAN AND C.L. SURVEY-F.A.I. 80
R.O.W. AND A.C. LINES

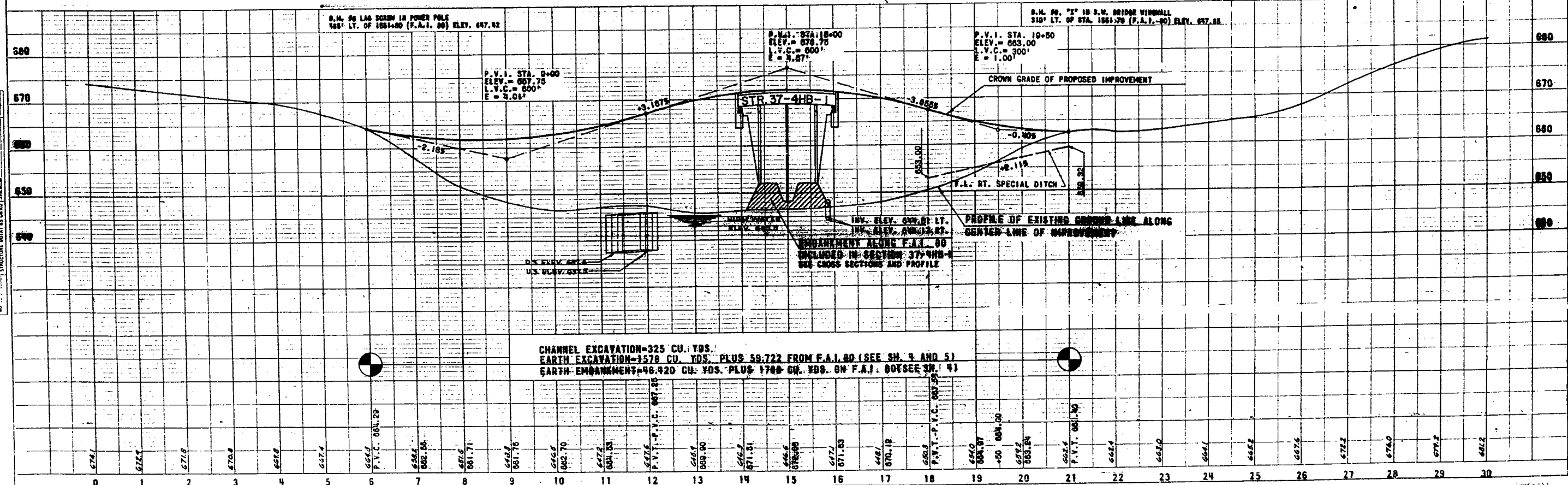
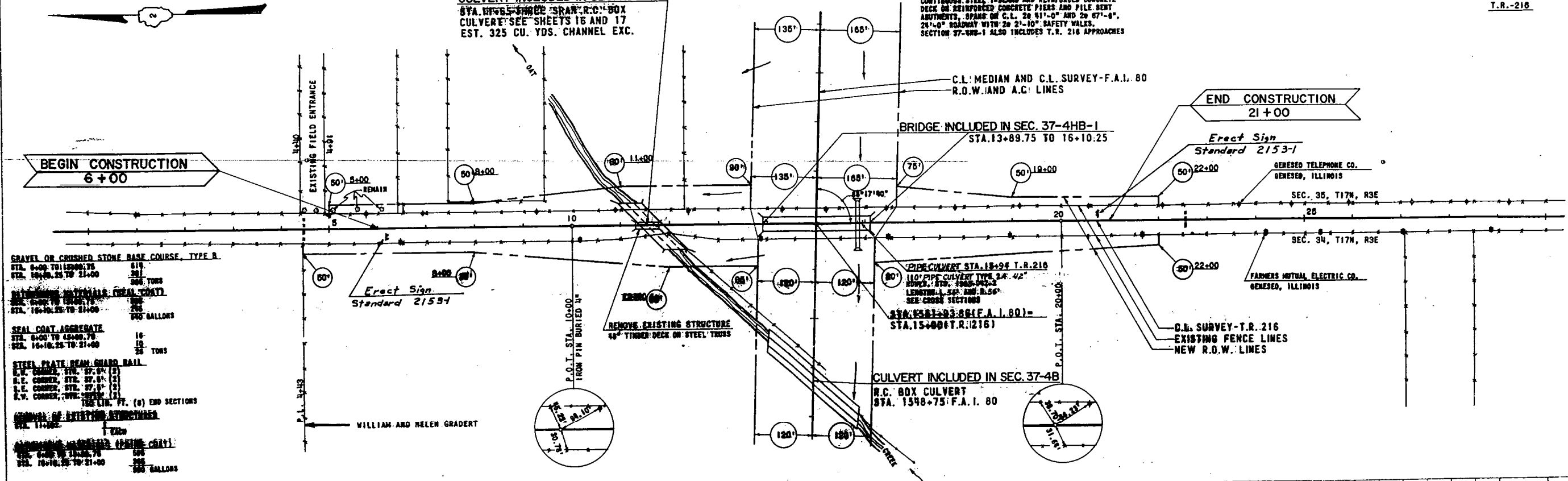
BRIDGE INCLUDED IN SEC. 37-4HB-1
STA. 13+89.75 TO 16+10.25

END CONSTRUCTION
21+00

BEGIN CONSTRUCTION
6+00

- GRAVEL OR CRUSHED STONE BASE COURSE, TYPE B**
STA. 6+00 TO 15+00.00 181 TONS
STA. 16+10.25 TO 21+00 268 TONS
- REINFORCING MATERIALS (TYPICAL)**
STA. 6+00 TO 15+00.00 268 TONS
STA. 16+10.25 TO 21+00 268 TONS
- SEAL COAT AGGREGATE**
STA. 6+00 TO 15+00.00 18 TONS
STA. 16+10.25 TO 21+00 25 TONS
- STEEL PLATE BEAM GUARD RAIL**
R.C. CORNER, STA. 15+00.00 (2)
R.C. CORNER, STA. 15+00.00 (2)
R.C. CORNER, STA. 15+00.00 (2)
R.C. CORNER, STA. 15+00.00 (2)
- REMOVE EXISTING STRUCTURE**
14" TIMBER DECK ON STEEL TRUSS
- REMOVE EXISTING STRUCTURE**
14" TIMBER DECK ON STEEL TRUSS
- REMOVE EXISTING STRUCTURE**
14" TIMBER DECK ON STEEL TRUSS
- REMOVE EXISTING STRUCTURE**
14" TIMBER DECK ON STEEL TRUSS

PLAN	DATE	BY
REVISED		
NO. 1		



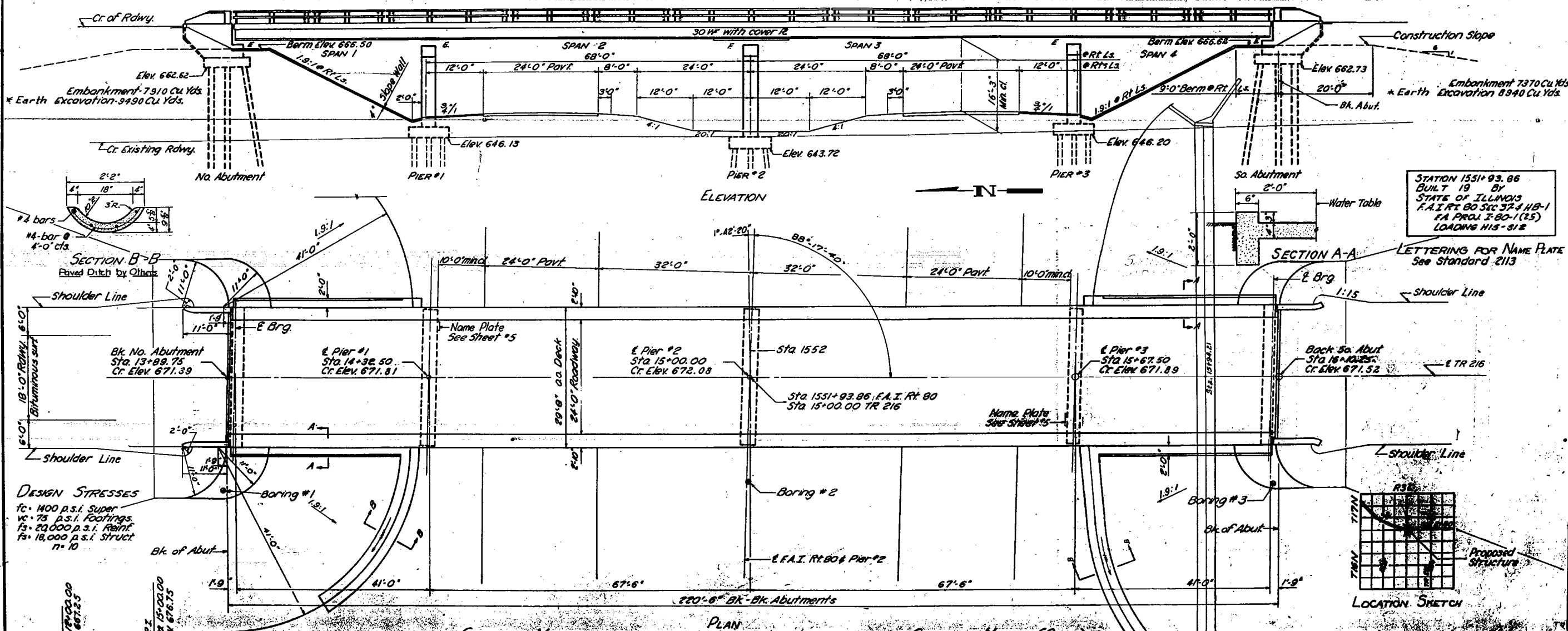
CHANNEL EXCAVATION=325 CU. YDS.
EARTH EXCAVATION=1578 CU. YDS. PLUS 58,722 FROM F.A.I. 80 (SEE SH. 4 AND 5)
EARTH EMBANKMENT=96,420 CU. YDS. PLUS 1700 CU. YDS. ON F.A.I. 80 (SEE SH. 4)

B.M. #9 "x" in concrete, S.W. corner wing wall 310' Lt.
Sta. 1551+70 Elev. 647.846

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

DATE	SECTION	EMPH.	TOTAL SHEETS	SHEET NO.
8-1-20	STAMP	Henry	33	6
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 1
10 SHEETS



STATION 1551+93.86
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 80 SEC. 37-4 HB-1
FA PROJ. 3-80-1(25)
LOADING H15-S12

DESIGN STRESSES
fc = 4000 p.s.i. Super
fc = 75 p.s.i. Footings
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10

GENERAL NOTES

Class X Concrete shall be used throughout except in hand-applied positions.

Reinforcing Concrete shall be used in hand-applied positions.

The concrete floor slab shall be finished in accordance with the Standard Specifications.

Reinforcing steel shall be reinforced with welded wire fabric 6"x6" mesh with weight 50# per 100 sq. ft.

Rivets shall be spaced 12" c/c, unless noted.

All cover plates and beams to which cover plates are welded shall conform to the specifications for S19C. Full strength welding, ASTM designation A-373.

Railings shall be adjusted to true alignment after curbs have been poured.

All rockers, bolsters, bearing plates, lead plates, pintles, and anchor bolts shall be fabricated and set in accordance with Article 515 of the Standard Specifications and shall be installed in quantities as specified.

Anchor bolts shall be installed in concrete.

Expansion joints shall be vertical.

The following surfaces of expansion guards shall be given two shop coats of red lead paint; outside face of vertical leg of 4"x4"x2" angle.

GENERAL NOTES (CONT)

Expansion guards shall be fabricated and erected in accordance with Article 515 (a) of the Standard Specifications.

Expansion guards are included in quantity of Structural Steel.

Expansion guards shall be installed in accordance with Article 515 (a) of the Standard Specifications.

All paint shall be furnished and applied by the Contractor involved.

The piles in the abutments shall be driven in holes drilled through the embankment to the natural ground line in accordance with Article 60.9 (c) of the Standard Specifications.

The Contractor shall drive one Concrete Test Pile in a permanent location of the North Abutment and one Timber Test Pile in the vicinity of Pier #2, as directed by the Engineer before ordering or casting the remainder of the Piles.

TOTAL BILL OF MATERIALS

Item	Unit	Quantity	Unit Price	Total
Class X Concrete	Cu Yds	173.8	11.50	1989.0
Handrail Concrete	Cu Yds	2.3	11.50	26.45
Reinforcement Bars	Lbs	31,760	7.30	231,852.00
Structural Steel	Lbs	15,000	14.00	210,000.00
Metal Handrail	Lbs	1,500	1.50	2,250.00
Concrete Pile	Ln Ft	1	731.00	731.00
Timber Piles (Timber)	60ch	1	1.00	1.00
Slope Walls	Sq Yds	350	1.00	350.00
Class A Excavation (6' to 12')	Cu Yds	123	1.23	152.31
Earth Excav.	Cu Yds	8940	1.00	8940.00
Name Plates	Each	2	1.00	2.00
Construction (Misc)	Lt Ft	1440	1.00	1440.00

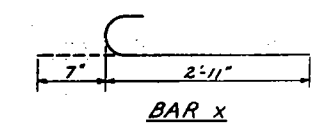
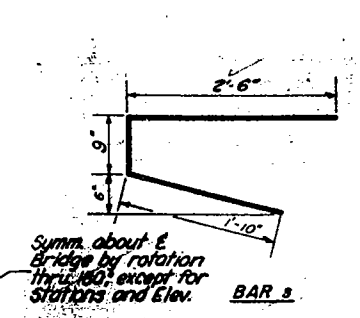
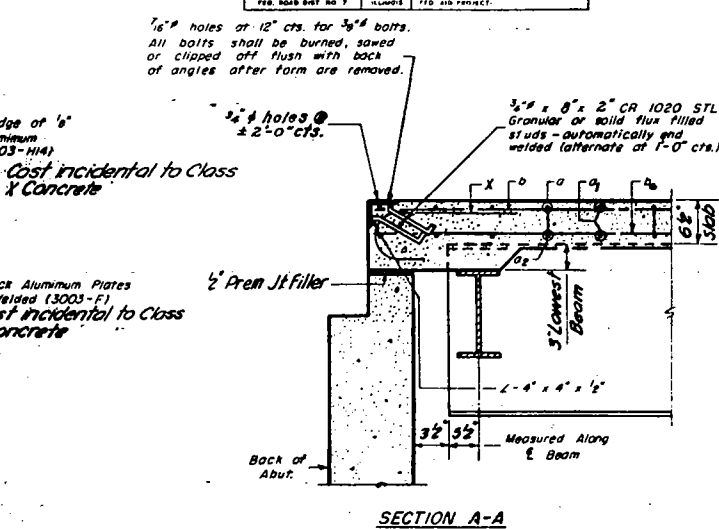
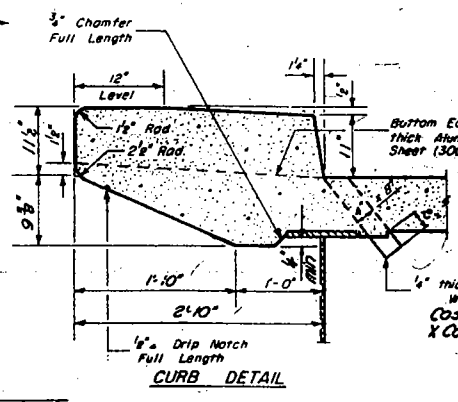
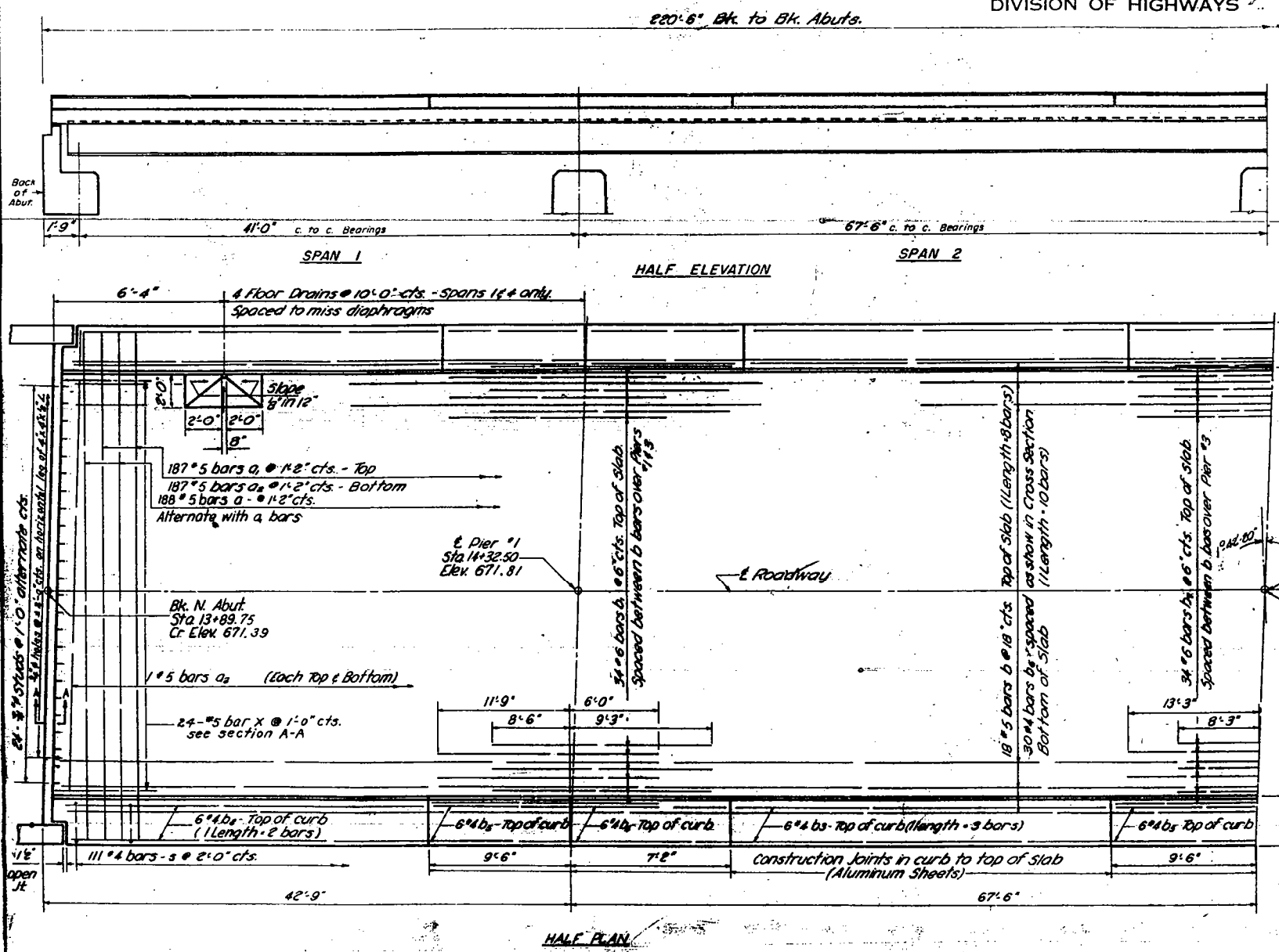
* Included in Profile earth excavation.

GENERAL PLAN & ELEVATION
PROJ. I 80-1(25)21
F.A.I. RT. 80 SEC. 37-4 HB-1
HENRY COUNTY
STA. 1551 + 93.86 (FAI RT 80)

LOADING H-15-S12-44

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

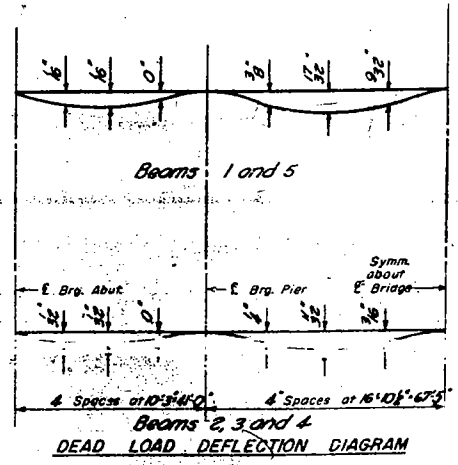
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
1-2-80	37-4HB-1	Henry	33	7
SHEET NO. 2				
10 SHEETS				



BILL OF MATERIAL

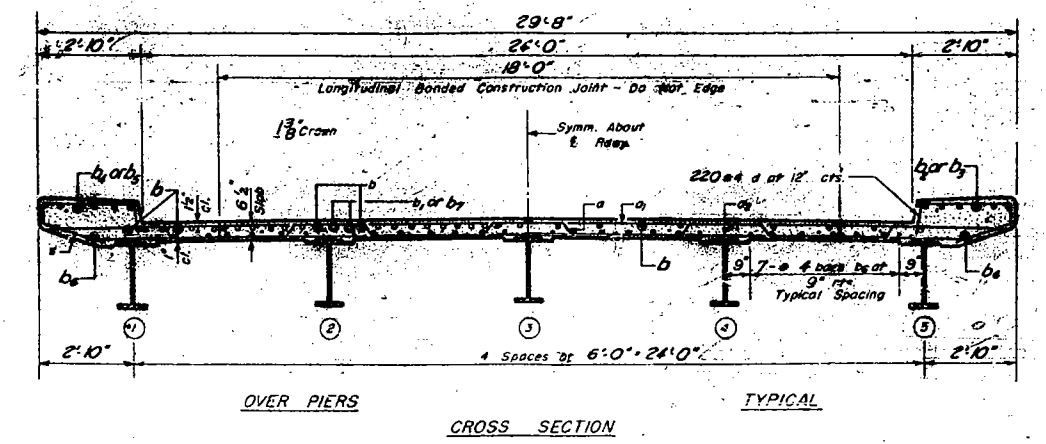
Bar	No	Size	Length	Shape
a	188	# 5	30'-0"	—
a ₁	187	# 5	29'-0"	—
a ₂	191	# 5	26'-0"	—
b	144	# 5	28'-3"	—
b ₁	68	# 6	17'-9"	—
b ₂	48	# 4	17'-0"	—
b ₃	72	# 4	18'-9"	—
b ₄	24	# 4	6'-0"	—
b ₅	48	# 4	9'-3"	—
b ₆	300	# 4	22'-9"	—
b ₇	34	# 6	21'-6"	—
d	440	# 4	1'-3"	—
s	222	# 4	6'-1"	—
Reinforcement Bars				Lb. 31,570
Structural Steel				Lb. 158,550
Class X Concrete				Cu.Yd. 173.2

* Weight of Rollers, Rockers, Bearing Plates, Lead Plates and Anchor Bolts included as Structural Steel. Est. Weight 6430



METHOD OF DETERMINING FILLET HEIGHT "f"
After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals shown on sheet No. 8. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so obtained subtracted from the top of slab elevations shown on sheet No. 8, the floor thickness equals the fillet heights above top of beam.

DESIGNED	William A. Sausman	EXAMINED	W. B. Berman
CHECKED	W. A. Sausman	PASSED	E. J. Schmitt
DRAWN	W. A. Sausman	APPROVED	R. R. Barthelme
CHECKED	Sausman		

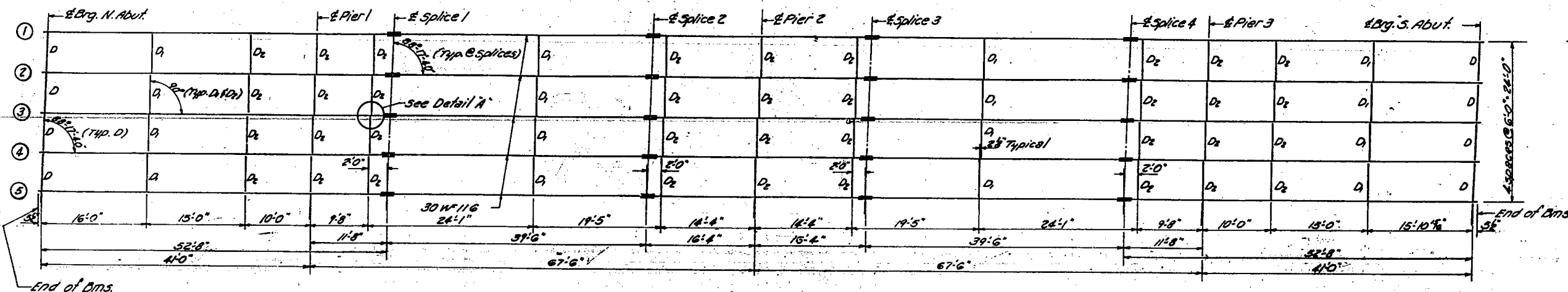


SLAB DETAILS
F.A.I. RT. 80 SEC. 37-4HB-1
HENRY COUNTY
STA. 1551+93.86 (F.A.I. RT. 80)

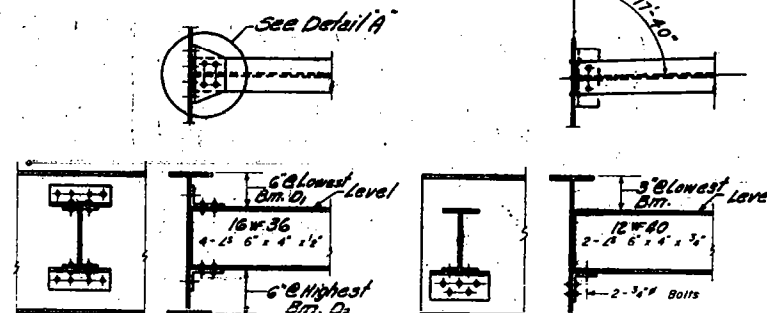
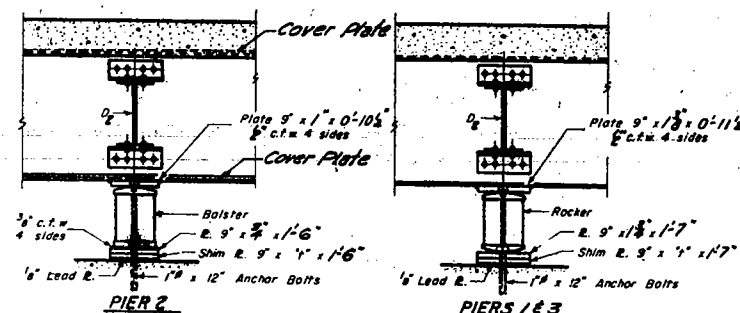
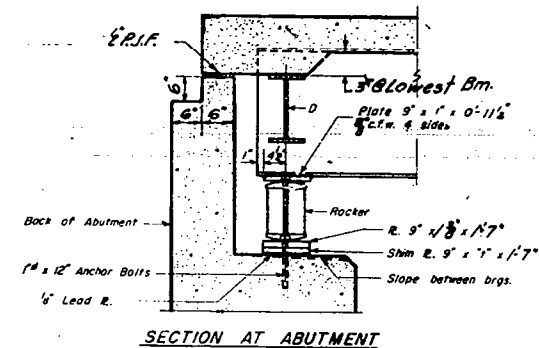
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
111	STAB 1	Henry	33	3
FILE NO.	DATE	BY	APPROVED	

SHEET NO. 3
10 SHEETS



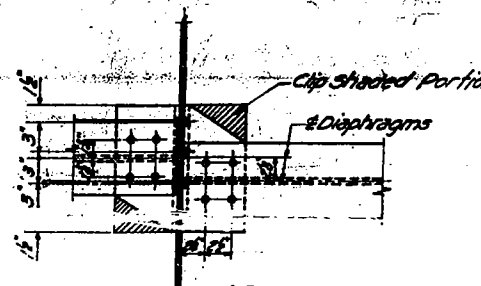
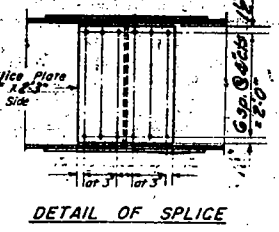
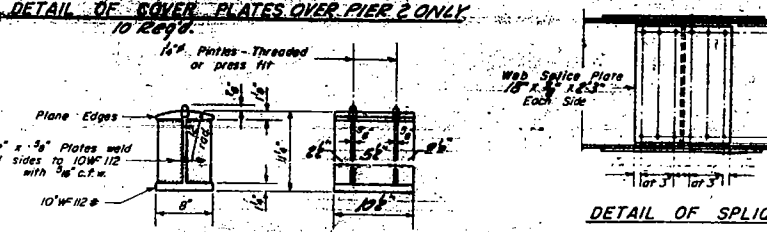
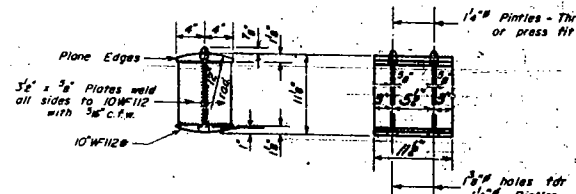
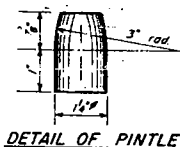
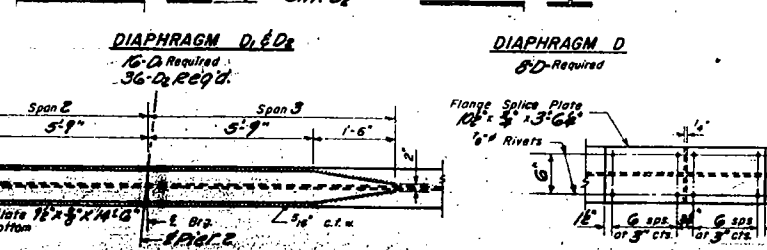
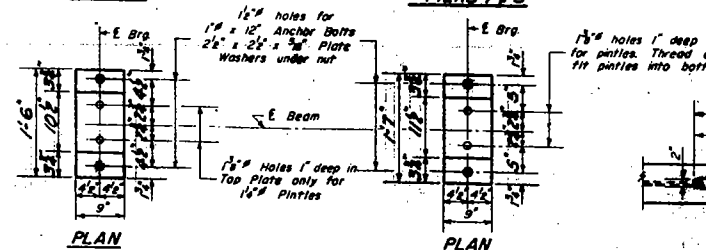
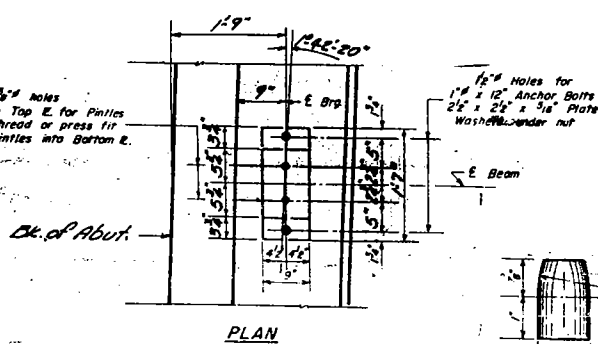
STRUCTURAL STEEL LAYOUT



ELEVATION TOP OF BEAMS

Location	#1	#2	#3	#4	#5
2 Brg. N. Abut.	670.760	670.841	670.871	670.837	670.752
1 Pier #1	671.082	671.164	671.193	671.159	671.074
1 Splice #1	671.174	671.255	671.284	671.251	671.166
1 Splice #2	671.343	671.424	671.453	671.420	671.334
1 Pier #2	671.351	671.432	671.461	671.428	671.343
1 Splice #3	671.360	671.441	671.470	671.437	671.351
1 Splice #4	671.232	671.314	671.343	671.309	671.224
1 Pier #3	671.153	671.234	671.263	671.230	671.144
1 Brg. S. Abut.	670.874	670.955	670.984	670.951	670.865

NOTE: For fabrication only. Does not include Dead Load Deflection.



DESIGNED: William A. Huff
CHECKED: Charles E. Huff
DRAWN: W.A.S., E.M. Ryan, W.A. Sausamon
EXAMINED: N.E. Brumm
PASSED: E.S. Huff
APPROVED: M. Brumm

SEPT 20 1960

TABLE OF 1" DIMENSIONS

Location	#1	#2	#3	#4	#5
1 Abut.	0"	0"	0"	0"	0"
1 Pier #1	0"	0"	0"	0"	0"
1 Pier #2	0"	0"	0"	0"	0"
1 Pier #3	0"	0"	0"	0"	0"
1 Abut.	0"	0"	0"	0"	0"

* t denotes thickness of steel plates.

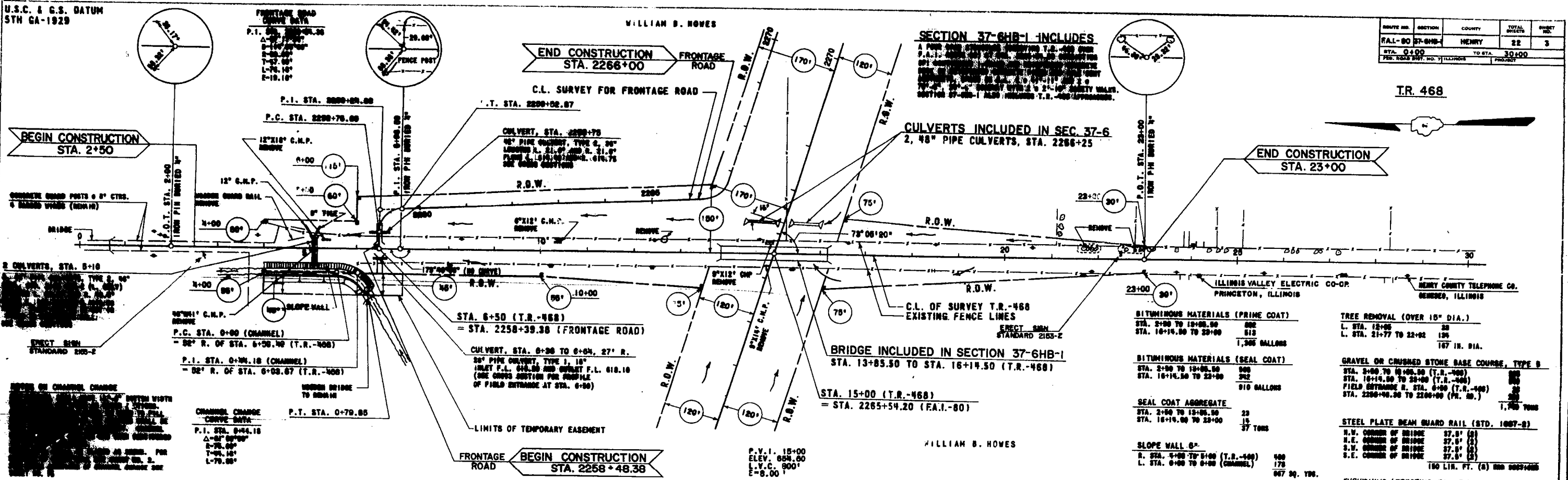
STRUCTURAL STEEL DETAILS
F.A.I. Rt. 80 Sec. 37-418-1
HENRY COUNTY
Sta. 1551 + 93.86 (F.A.I. Rt. 80)

FOR INFORMATION ONLY

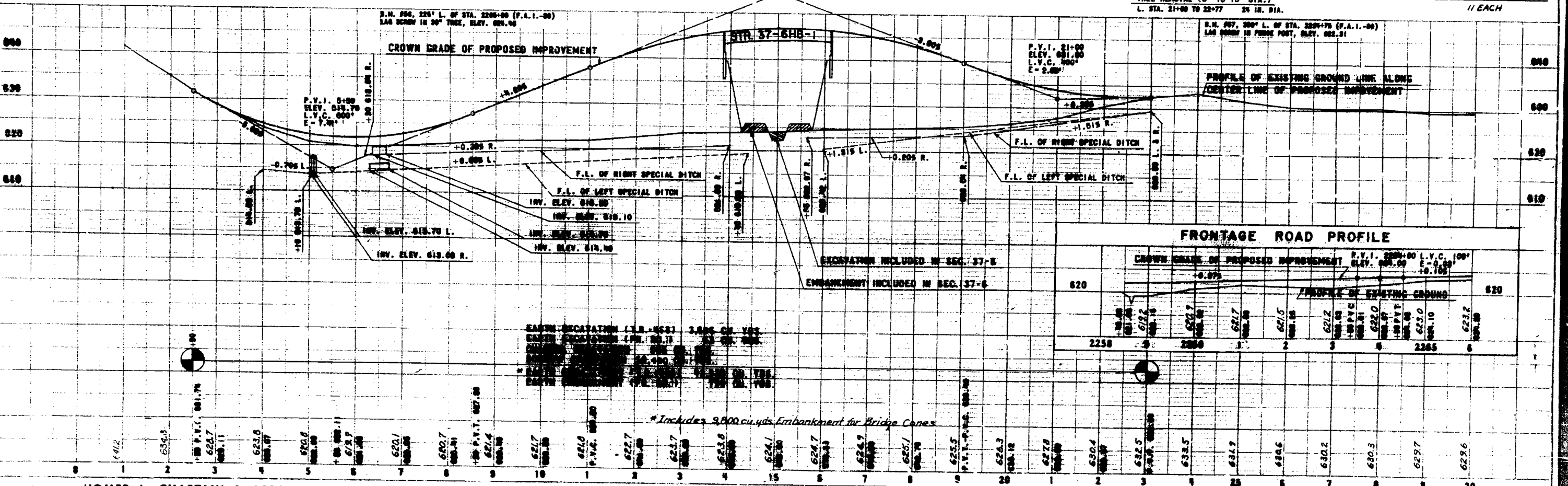
WILLIAM B. HOWES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PAV. 80	37-6HB-1	HENRY	22	3
STA. 0+00	TO STA. 30+00			
PRJ. ROAD DIST. NO. 7 ILLINOIS PROJECT				

T.R. 468



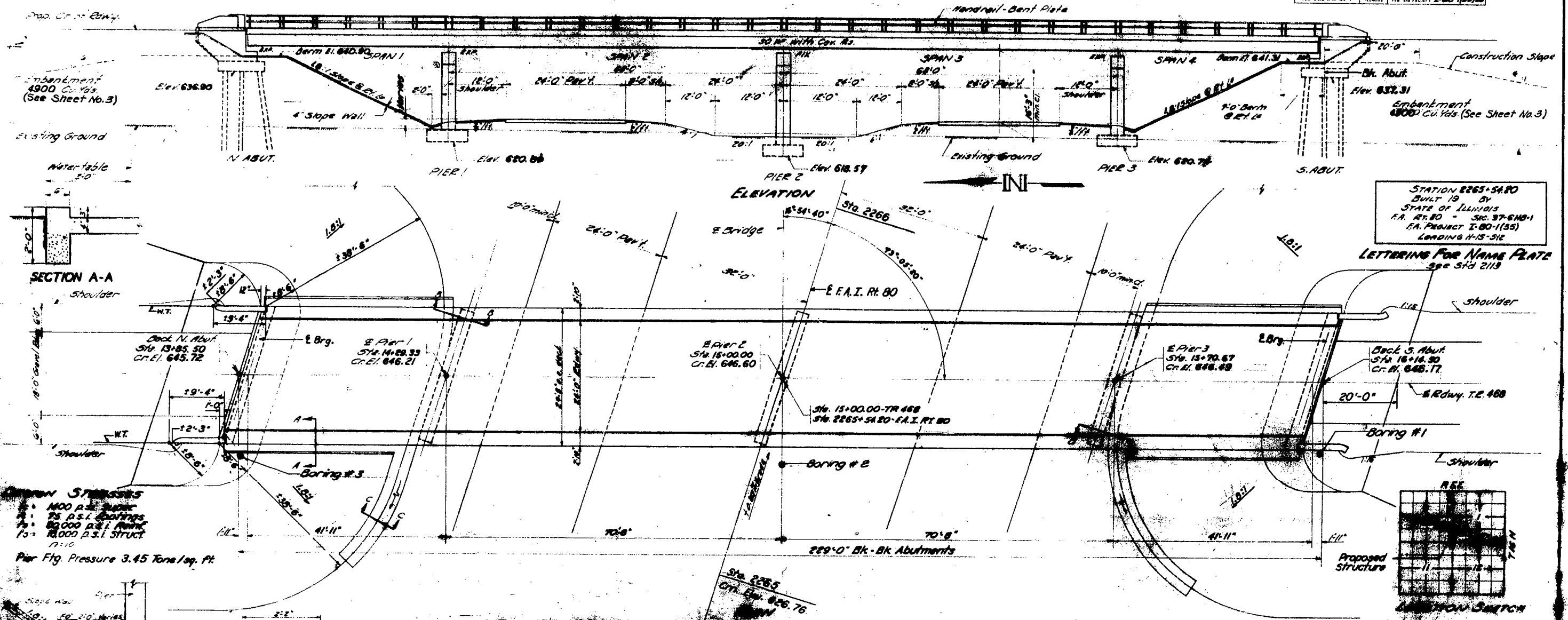
BITUMINOUS MATERIALS (PRIME COAT)		TREE REMOVAL (OVER 15" DIA.)	
STA. 2+00 TO 19+00.00	800	L. STA. 12+00	20
STA. 16+14.50 TO 23+00	515	L. STA. 21+77 TO 22+02	194
	1,305 GALLONS		167 IN. DIA.
BITUMINOUS MATERIALS (SEAL COAT)		GRAVEL OR CRUSHED STONE BASE COURSE, TYPE B	
STA. 2+00 TO 19+00.00	500	STA. 2+00 TO 19+00.00 (T.R. 468)	800
STA. 16+14.50 TO 23+00	392	STA. 16+14.50 TO 23+00 (T.R. 468)	800
	910 GALLONS	FIELD ENTRANCE R. STA. 6+00 (T.R. 468)	500
		STA. 2286+00.00 TO 2286+00 (P.A. 80)	500
			1,700 TONS
SEAL COAT AGGREGATE		STEEL PLATE BEAM GUARD RAIL (STD. 1007-B)	
STA. 2+00 TO 19+00.00	23	N.W. CORNER OF BRIDGE	37.5' (2)
STA. 16+14.50 TO 23+00	15	N.E. CORNER OF BRIDGE	37.5' (2)
	37 TONS	S.W. CORNER OF BRIDGE	37.5' (2)
		S.E. CORNER OF BRIDGE	37.5' (2)
			150 LTR. FT. (2) SEE 8007-1008
SLOPE WALL 6"		FURNISHING & ERECTING RIGHT OF WAY MARKERS	
R. STA. 6+00 TO 6+00 (T.R. 468)	100	11 EACH	
L. STA. 6+00 TO 6+00 (CHANNEL)	175		
	275 SQ. YDS.		
TREE REMOVAL (6" TO 15" DIA.)			
L. STA. 21+00 TO 22+77	29 IN. DIA.		



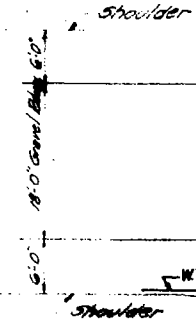
B.M. #57 Log screw in fence post 350' Lt Sta 2264+70
Elev 622.312

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

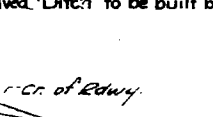
PROJECT NO.	FAI 20-37-6ND-1	DATE	1962	SHEET NO.	4
DESIGNER	HENRY	SCALE	AS SHOWN	TOTAL SHEETS	10



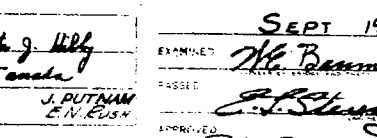
SECTION A-A



SECTION C-C



PROFILE OF GRADE - TR. 468



- STEEL STRENGTHS**
- 100 P.S.I. STEEL
 - 75 P.S.I. BOLTINGS
 - 80,000 P.S.I. REBAR
 - 15,000 P.S.I. STRUCT.
- Pier Ftg. Pressure 3.45 Tons/sq. Ft.

Class X concrete shall be used throughout in handrail and posts. Handrail posts shall be spaced at 4'-0" c/c's. The concrete shall be placed in accordance with Article 1101 of the Specifications. Slope shall be maintained throughout. Fabric 6"x6" mesh shall be used in concrete.

Rebar shall be adjusted to true alignment after curbs have been set. All rocks, boulders, etc. shall be removed from piers and abutments and set in accordance with Article 1101 of the Specifications and are included in the steel. Anchor bolts shall be set before setting diaphragms over supports. All steel handrail posts shall be set true and shall be given true and outside face of handrail posts. Expansion shall be provided in accordance with Article 1101(d) of the Standard Specifications.

CONCRETE shall be placed in a quantity of steel reinforcement shall be placed and shall be set in accordance with Article 1101 of the Standard Specifications. Slope shall be maintained throughout.

STATION 2265+54.80
BUILT BY
STATE OF ILLINOIS
FA. 27-80 - SEC. 37-6ND-1
FA. PROJECT I-80-1(35)
LOADING 11-15-312

LETTERING FOR NAME PLATE
See Std 2113



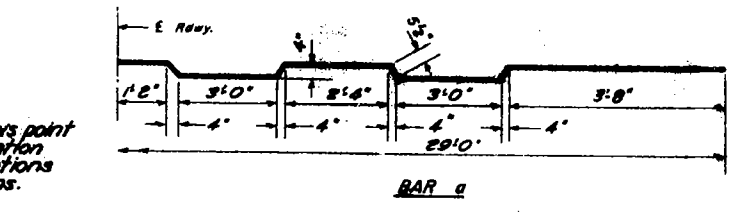
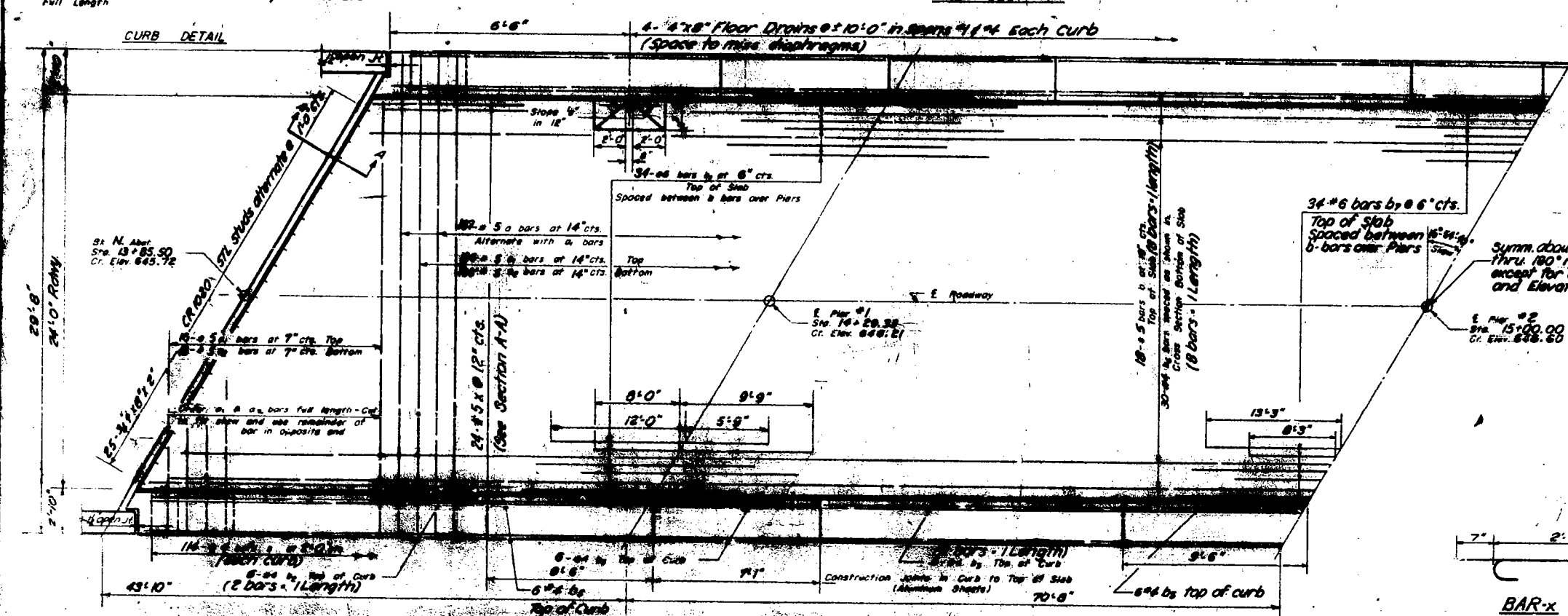
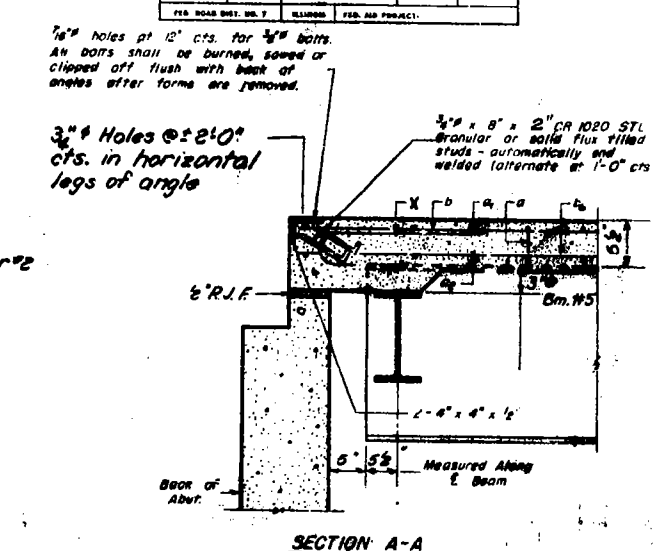
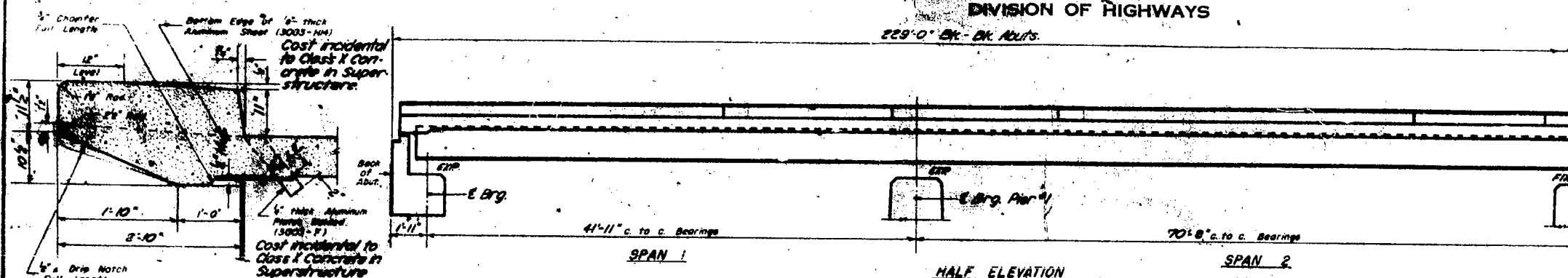
Quantity	Unit	Amount
Concrete	cu. yd.	310
Rebar	lbs.	380
Class A Enca. for 3hr.	cu. yd.	127
Name Plates	Each	2

PROJECT I-80-1(35)33
DESIGNED BY
H. J. HENRY
HENRY COUNTY
STA. 2265+54.80 (A.I. RT. 80)

LOADING 11-15-312

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

SECTION	DATE	BY	NO.	SHEET NO.
37-6B	HENRY	22	5	10 SHEETS



BILL OF MATERIAL

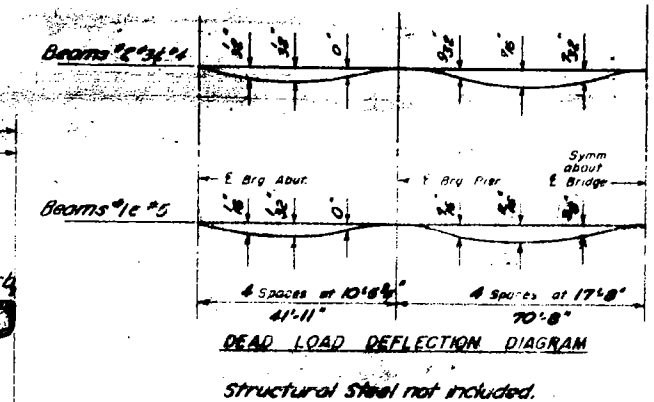
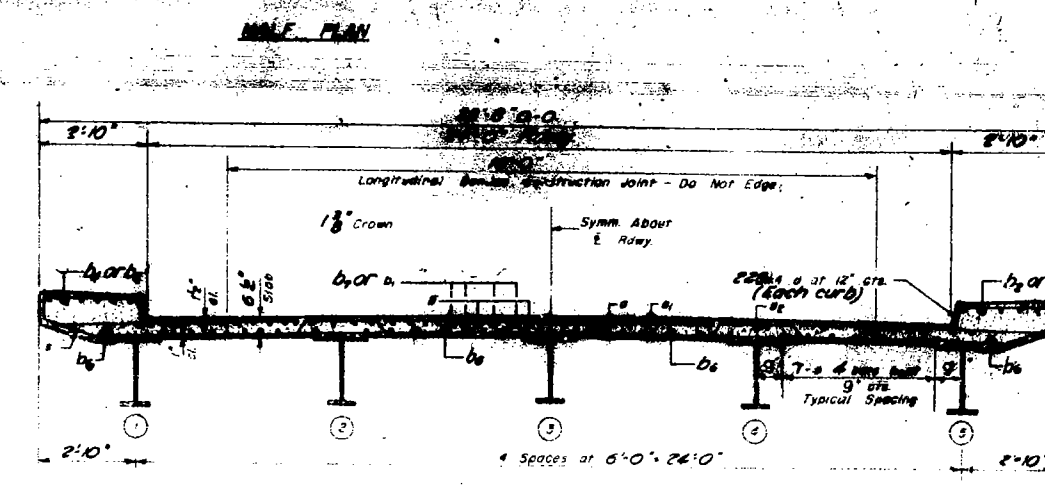
Bar	No.	Size	Length	Weight
a	187	# 5	30'-0"	
a1	202	# 5	30'-0"	
a2	208	# 5	28'-0"	
b	144	# 5	29'-6"	
b1	60	# 5	17'-0"	
b2	48	# 4	17'-6"	
b3	48	# 4	27'-6"	
b4	24	# 4	8'-0"	
b5	48	# 4	9'-3"	
b6	240	# 4	28'-6"	
b7	36	# 6	27'-6"	
d	488	# 4	1'-3"	
s	228	# 4	5'-1"	
x	48	# 5	3'-6"	
Structural Steel				Lbs. 176,430
Class K Concrete				Cu Yds. 175.3
Reinforcement Bars (11#)				22,250

* Weight of Rollers, Roadways, Traffic Forms, Lead Plates and Anchor Bars included in Structural Steel. Est. Weight = 6500

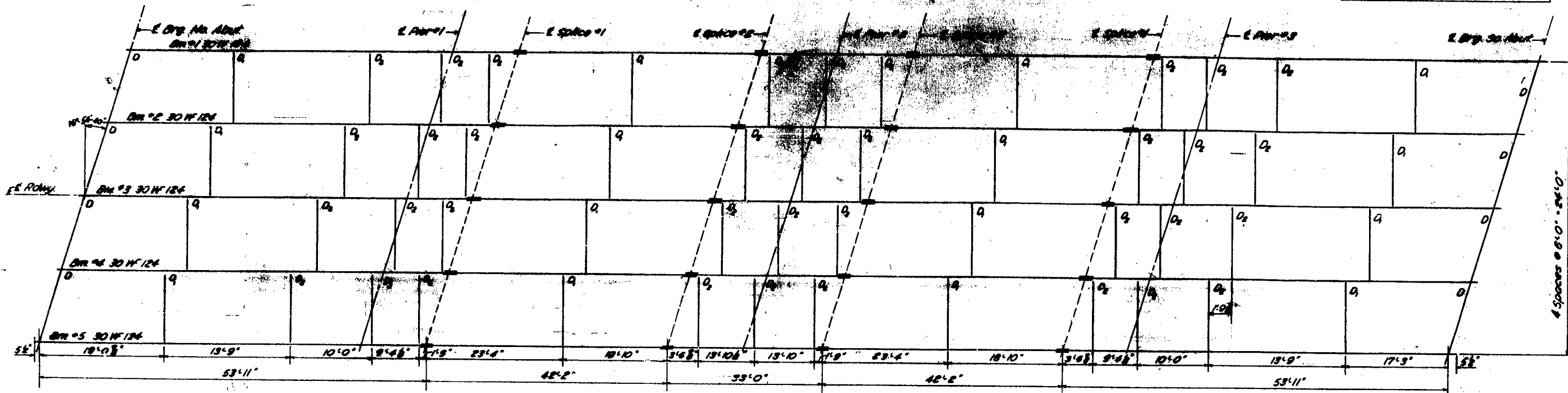
METHOD OF DETERMINING FILLET HEIGHT "f"
After all Structural Steel has been erected Elevations of the top flanges of the steel beams shall be taken at intervals shown on Sheet # 8. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so obtained subtracted from top of Slab elevation shown on Sheet # 8 minus floor thickness equals the fillet heights above top of beam.

DESIGNED: *K. G. Hilly*
EXAMINED: *H. E. Rasmussen*
CHECKED: *T. F. Smith*
PASSED: *J. A. Patton*
APPROVED: *P. R. Baston*

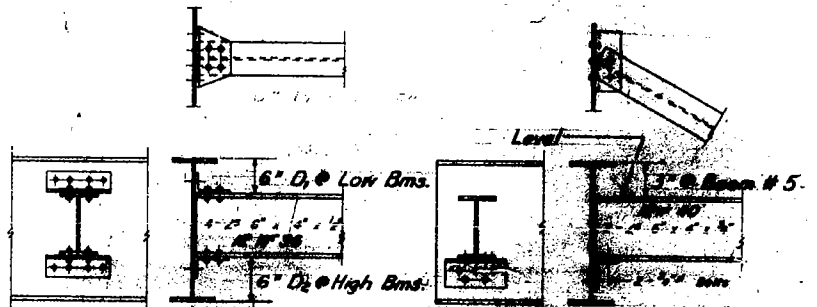
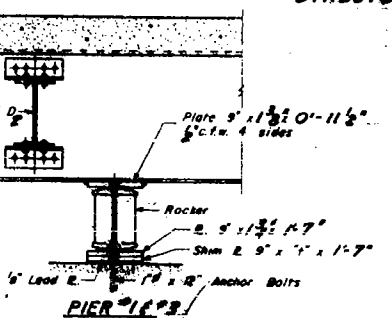
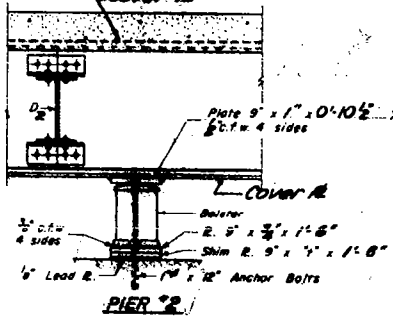
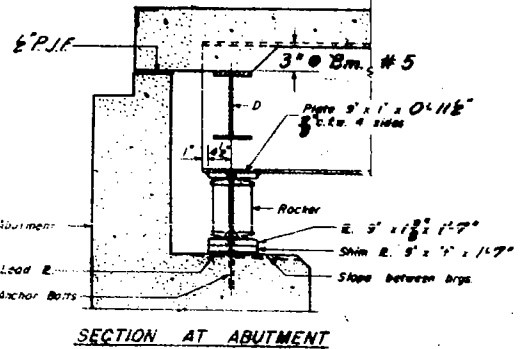
DATE: SEPT 16 1966



SLAB DETAIL
F.A.I. RT. 80 SEC. 37-6 HB-1
HENRY COUNTY
STA. 2265 + 54.20 (F.A.I. RT. 80)



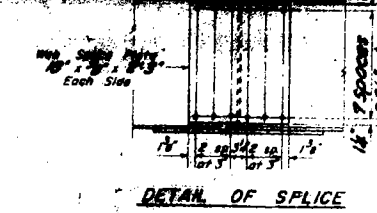
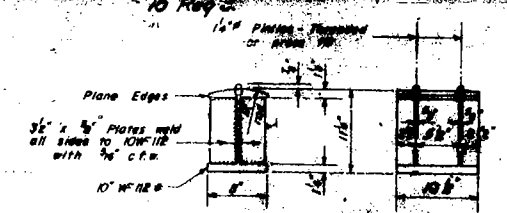
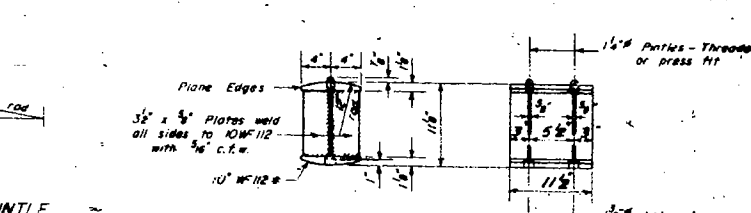
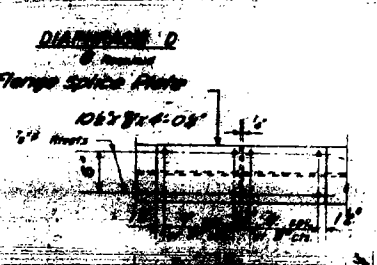
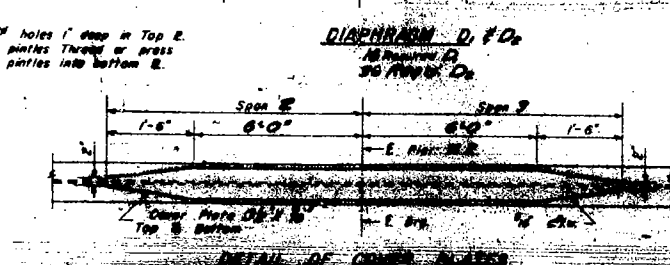
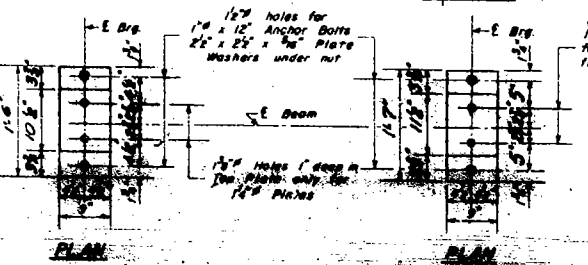
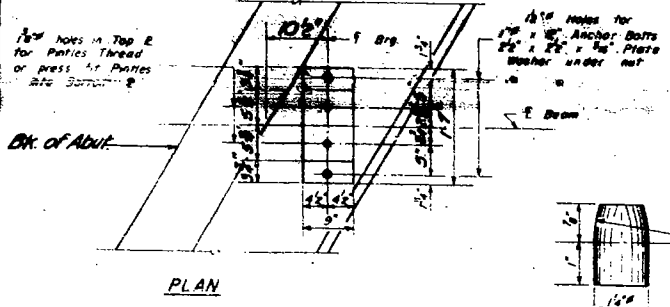
STRUCTURAL STEEL LAYOUT



ELEVATION TOP OF BEAMS

LOCATION	BM #1	BM #2	BM #3	BM #4	BM #5
E. Brg. North Abut.	645.00	645.17	645.19	645.14	645.04
E. Brg. Pier #1	645.51	645.53	645.53	645.55	645.45
E. Brg. Pier #2	645.62	645.70	645.72	645.67	645.57
E. Brg. Pier #3	645.85	645.83	645.85	645.90	645.80
E. Brg. Pier #4	645.88	645.96	645.97	645.93	645.82
E. Brg. Pier #5	645.91	645.91	645.90	645.88	645.85
E. Brg. South Abut.	645.82	645.79	645.77	645.78	645.76
E. Brg. Pier #6	645.75	645.53	645.54	645.73	645.69
E. Brg. South Abut.	645.50	645.58	645.59	645.58	645.44

Note: Elevation top of beams above 7100' datum. Dead Load Distribution.



DESIGNED *H. J. Kelly*
CHECKED *T. Tanaka*
DRAWN *J. PUTNAM*
CHECKED *T. Tanaka*

EXAMINED *W. B. ...*
PASSED *E. ...*
APPROVED *R. ...*

SEPT 19 1960

DETAIL OF BEARING AT PIER #3 & ABUTMENTS

* TABLE OF "t" DIMENSIONS

LOCATION	BM #1	BM #2	BM #3	BM #4	BM #5
E. Brg. North Abut.	0"	0"	0"	0"	0"
E. Brg. Pier #1	0"	0"	0"	0"	0"
E. Brg. Pier #2	0"	0"	0"	0"	0"
E. Brg. Pier #3	0"	0"	0"	0"	0"
E. Brg. Pier #4	0"	0"	0"	0"	0"
E. Brg. South Abut.	0"	0"	0"	0"	0"

*t denotes thickness of Shim Rs. at Bearing

STRUCTURAL STEEL DETAILS
F.A.I. RT. 80 SEC. 37-6 HB-1
HENRY COUNTY
STA. 2265+54.20 (F.A.I. RT. 80)

FOR INFORMATION ONLY