

105

01-18-2019 LETTING ITEM 105

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-5HB-4)BP	HENRY	15	3
ILLINOIS CONTRACT NO. 64L50				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 80 (I-80)
SECTION: (37-5HB-4)BP
PROJECT: NHPP-DE5X(784)
TYPE OF IMPROVEMENT: BRIDGE PAINTING
HENRY COUNTY

C-92-084-16
R.5E.

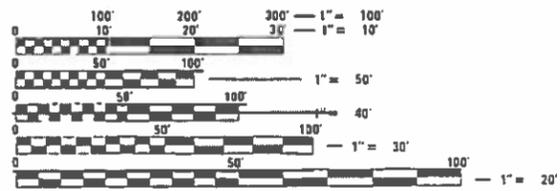
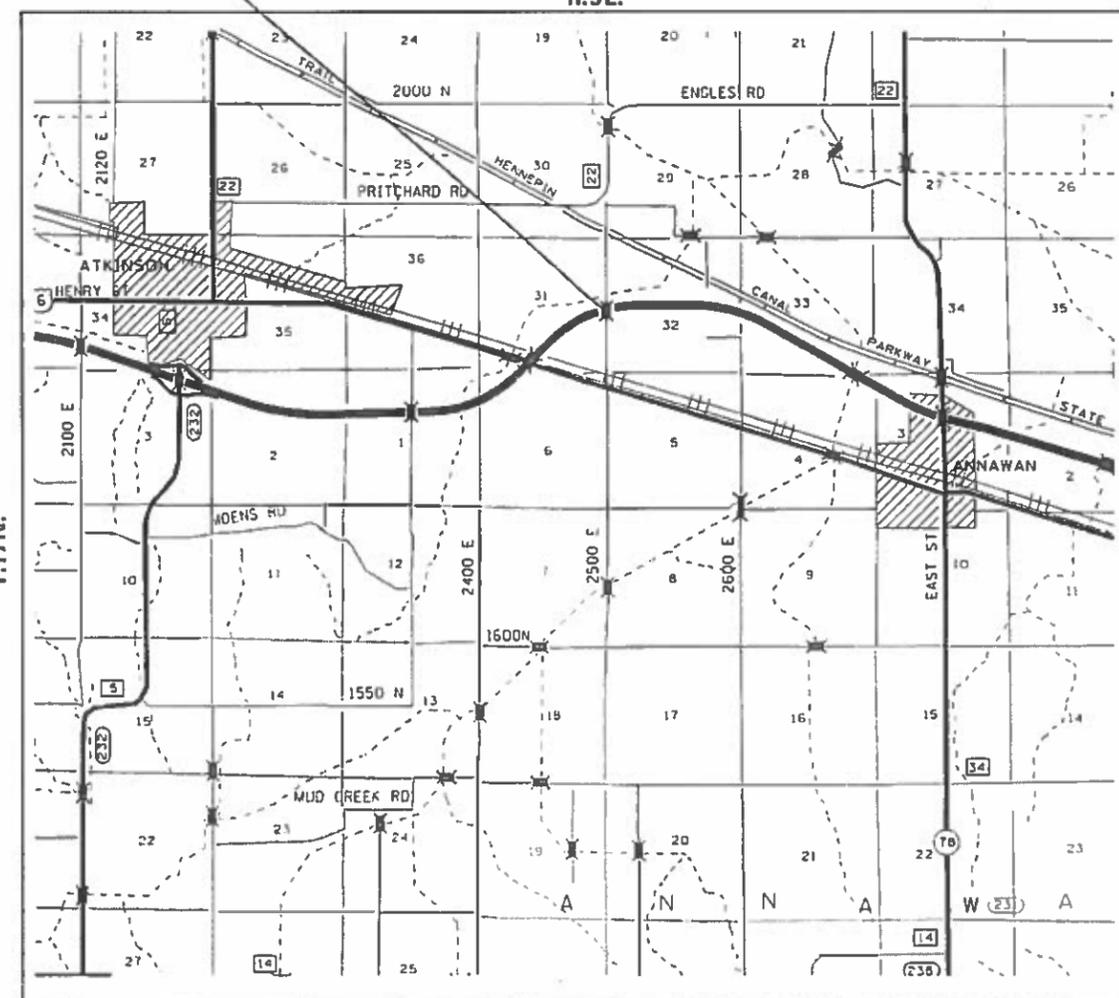
D-92-068-16



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

HENRY COUNTY
ALBA TOWNSHIP - SECTIONS 31 & 32

SN 037-0117



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

CONTRACT NO. 64L50

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10-5-2018
R. Mauch
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 7 2018
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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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
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-12 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701402-12 LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \geq 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

A MINIMUM OF 2 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS, SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

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.

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 QP1 & QP2 CONTRACT CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

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		DRAWN - _____	REVISED - _____			80	(37-5HB-4)BP	HENRY	15	2	
	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____			CONTRACT NO. 64L50					
	PLOT DATE = Oct-04-2018 11:17:16 AM	DATE - _____	REVISED - _____			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

0047
90% NHPP
10% STATE

CODE NUMBER	ITEM	UNIT	HENRY COUNTY	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	1325	1325
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	442	442
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	8695	8695
70400100	TEMPORARY CONCRETE BARRIER	FOOT	462.5	462.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	700	700
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	3	3
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2900	2900
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	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	(37-5HB-4)BP	HENRY	15	3
CONTRACT NO. 64L50				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

70400100	TEMPROARY CONCRETE BARRIER		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>FOOT</u>
	STAGE I		
	STA 1645+72.5-1647+10	TAPER	137.5
	STA 1647+10-1650+35	TANGENT	325
		TOTAL	462.5

70300150	SHORT TERM PAVEMENT MARKING REMOVAL		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>SQ FT</u>
	STAGE II		
	665'	BLACKOUT TAPE, 4"	222
	STAGE III		
	660'	BLACKOUT TAPE, 4"	220
		TOTAL	442

70400200	RELOCATE TEMPROARY CONCRETE BARRIER		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>FOOT</u>
	STAGE II		
	STA 1645+72.5-1647+10	TAPER	137.5
	STAGE III		
	STA 1647+35-1650+60	TANGENT	325
	STA 1650+60-1651+97.5	TAPER	137.5
	STAGE IV		
	STA 1650+60-1651+60	TAPER	100
		TOTAL	700

70300904	PAVEMENT MARKING TAPE, TYPE IV 4"		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>FOOT</u>
	STAGE I		
	STA 1631+60-1641+60	TAPER	1000
	STA 1641+60-1650+45	Q TANGENT	885
	STAGE II		
	STA 1630+20-1640+20	TAPER	1000
	STA 1640+20-1641+60	Q TANGENT	140
	STA 1645+20-1646+60	TAPER x2	280
	STA 1646+60-1650+45	TANGENT x2	770
	STA 1650+45-1651+85	TAPER x2	280
	STAGE III		
	STA 1645+90-1647+30	TAPER x2	280
	STA 1647+30-1651+10	TANGENT x2	760
	STA 1651+10-1652+50	TAPER x2	280
	STA 1652+50-1657+50	Q TANGENT	500
	STA 1657+50-1667+50	TAPER	1000
	STAGE IV		
	STA 1647+30-1652+50	Q TANGENT	520
	STA 1656+10-1666+10	TAPER	1000
		TOTAL	8695

70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>FOOT</u>
	STAGE I		
		NONE REQUIRED	
	STAGE II		
	STA 1645+20-1646+60	TAPER (RIGHT SHOULDER)	140
	STA 1646+60-1650+45	TANGENT (RIGHT SHOULDER)	385
	STA 1650+45-1651+85	TAPER (RIGHT SHOULDER)	140
	STAGE III		
	STA 1645+90-1647+30	TAPER (LEFT SHOULDER)	140
	STA 1647+30-1651+10	TANGENT (LEFT SHOULDER)	380
	STA 1651+10-1652+50	TAPER (LEFT SHOULDER)	140
	STAGE IV		
		NONE REQUIRED	
		TOTAL	1325

X7030005	TEMPORARY PAVEMENT MARKING REMOVAL		
	<u>LOCATION</u>	<u>COMMENTS</u>	<u>SQ FT</u>
	STAGE I		
	1885'	MARKING TAPE, TYPE IV, 4"	629
	STAGE II		
	2470'	MARKING TAPE, TYPE IV, 4"	824
	STAGE III		
	2820'	MARKING TAPE, TYPE IV, 4"	940
	STAGE IV		
	1520'	MARKING TAPE, TYPE IV, 4"	507
		TOTAL	2900

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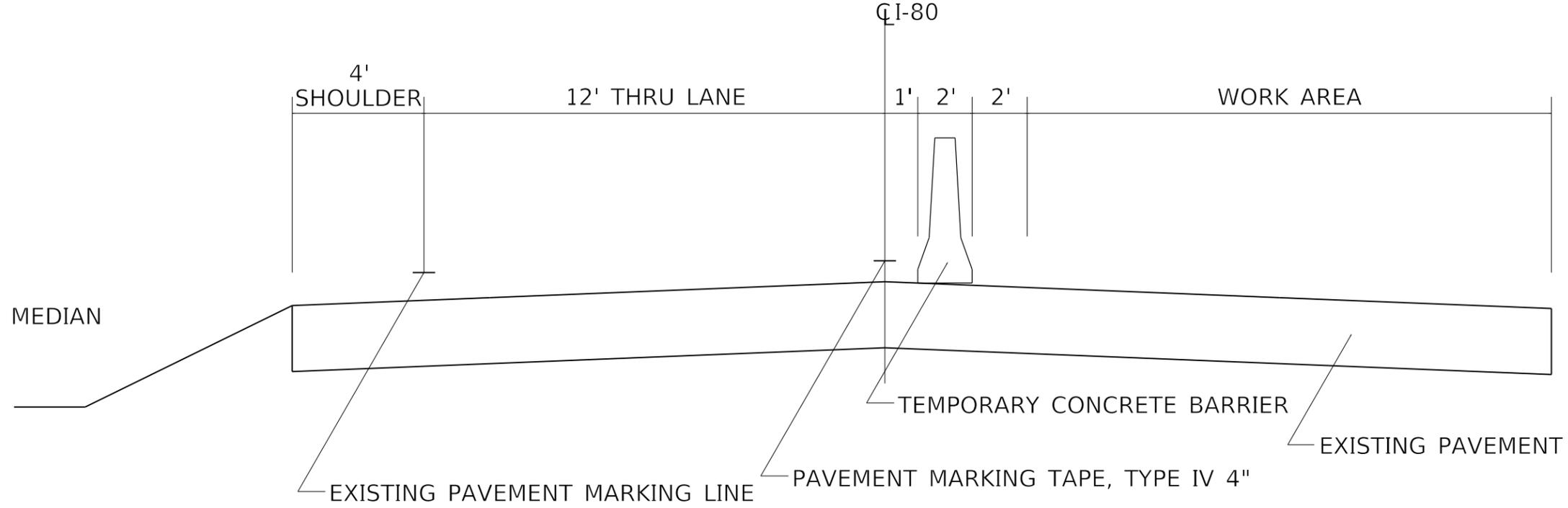
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

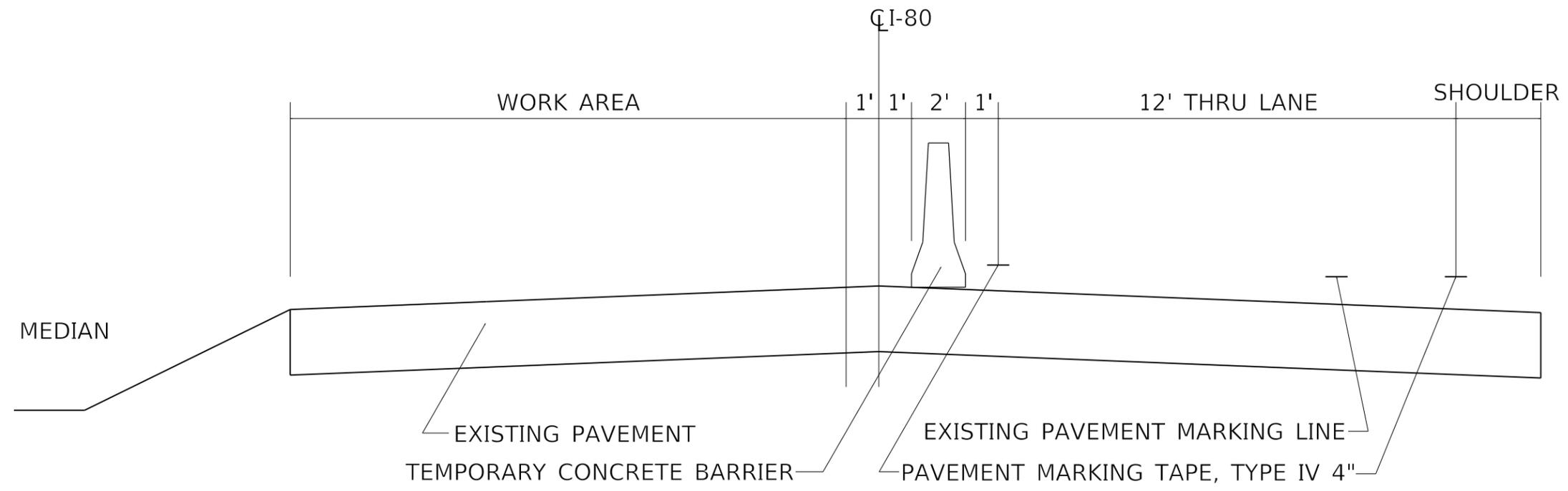
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80	(37-5HB-4)BP	HENRY	15	4
CONTRACT NO. 64L50				
ILLINOIS FED. AID PROJECT				

STAGING TYPICAL

STAGES I & IV SN 037-0117 TR 400A OVER I-80



STAGES II & III SN 037-0117 TR 400A OVER I-80



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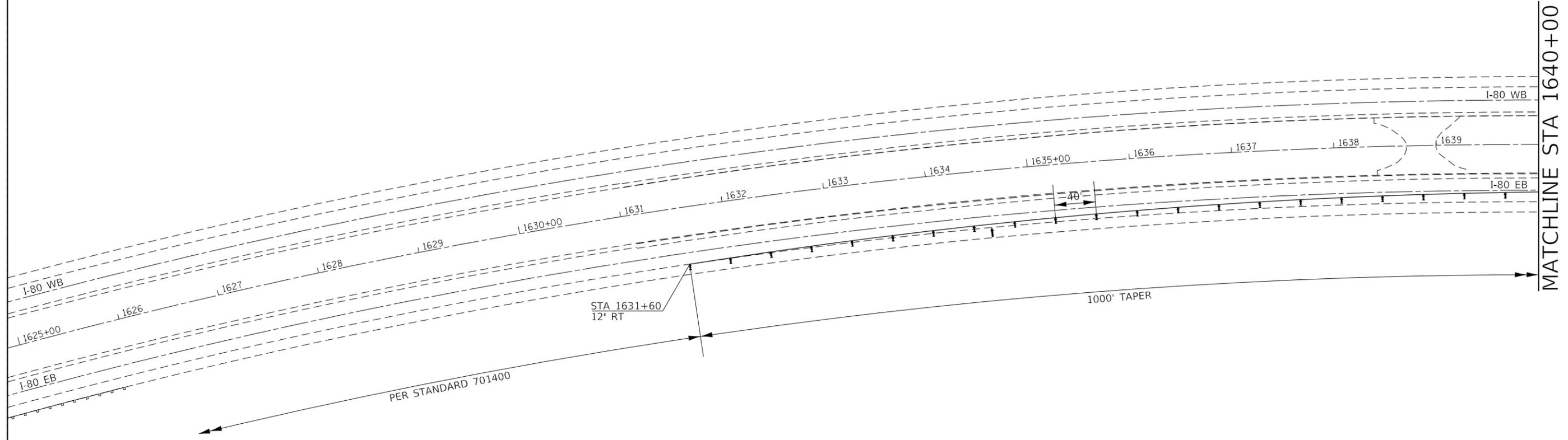
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(37-5HB-4)BP	HENRY	15	5
CONTRACT NO. 64L50				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL PLAN – STAGE I FOR SN 037-0117



SYMBOLS

-  Arrow board
-  Work area
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade or drum with steady burn monodirectional light
-  Temporary concrete barrier
-  Monodirectional barrier wall/guardrail marker
-  Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

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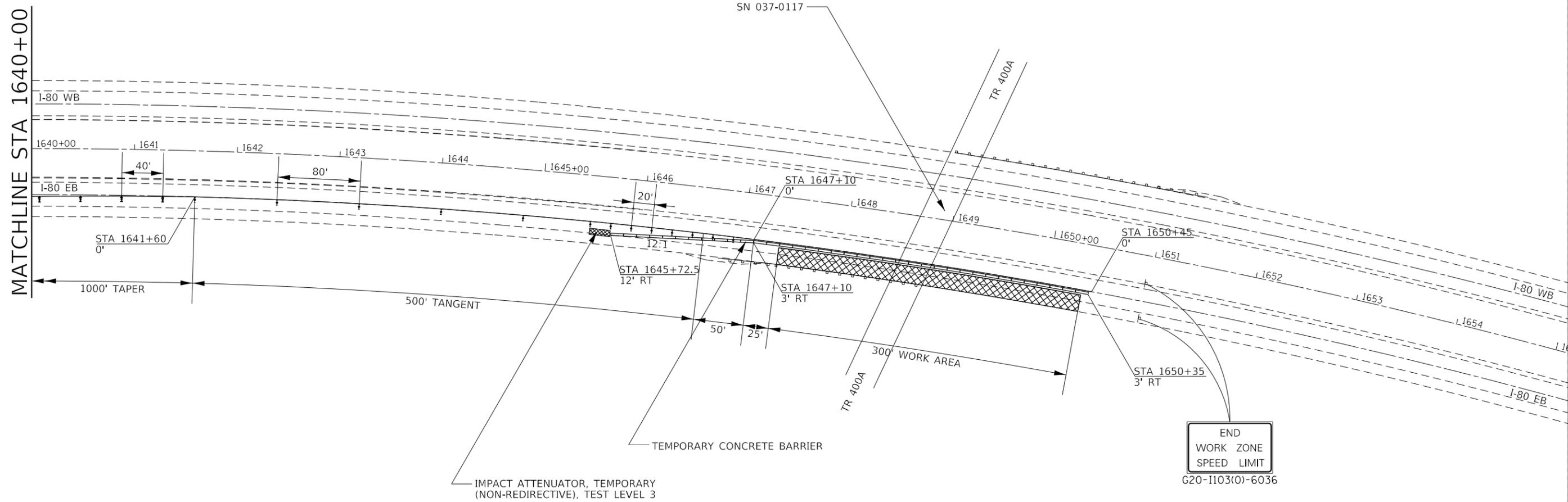
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN – STAGE I
FOR SN 037-0117**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-5HB-4)BP	HENRY	15	6
CONTRACT NO. 64L50			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN – STAGE I FOR SN 037-0117



END
WORK ZONE
SPEED LIMIT
G20-I103(0)-6036

SYMBOLS

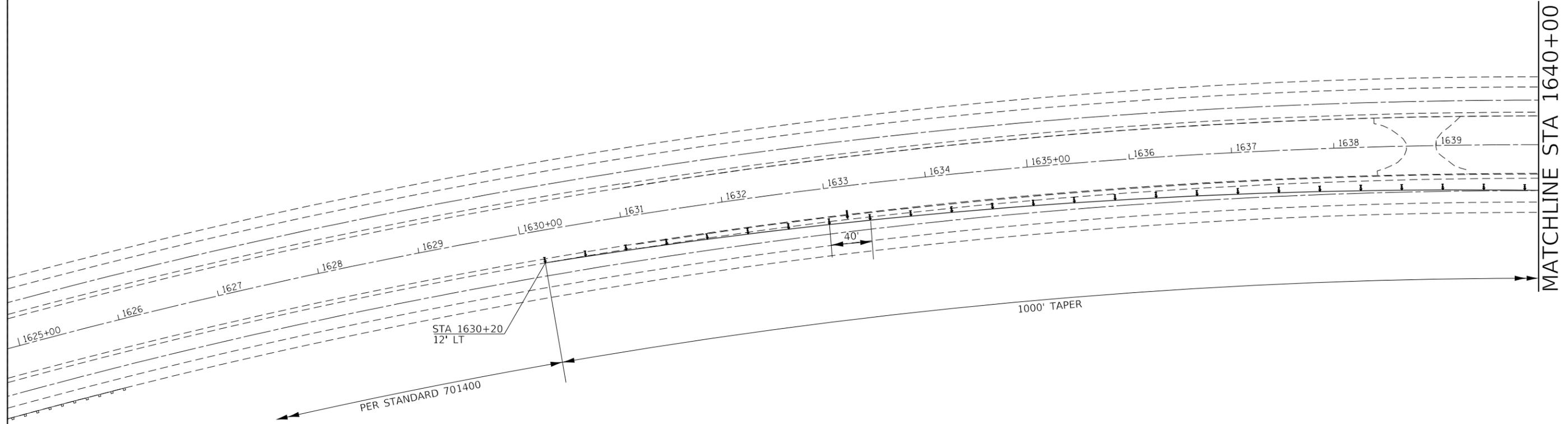
- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade or drum with steady burn monodirectional light
- Temporary concrete barrier
- Monodirectional barrier wall/guardrail marker
- Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLAN – STAGE I FOR SN 037-0117	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 64L50		ILLINOIS FED. AID PROJECT		

TRAFFIC CONTROL PLAN – STAGE II FOR SN 037-0117



SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊥ Sign
- ⚡ Direction indicator barricade with steady burn monodirectional light
- ⚡ Type II barricade or drum with steady burn monodirectional light
- ▬ Temporary concrete barrier
- ◁ Monodirectional barrier wall/guardrail marker
- ▣ Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

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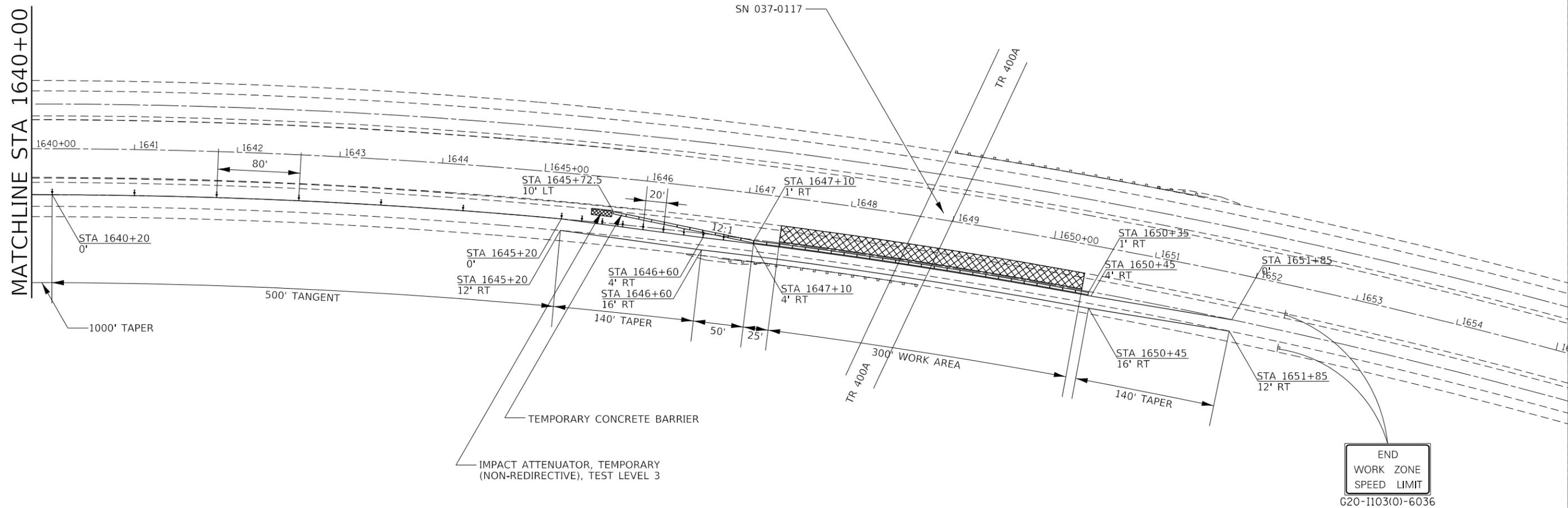
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN – STAGE II
FOR SN 037-0117**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-5HB-4)BP	HENRY	15	8
CONTRACT NO. 64L50				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL PLAN – STAGE II FOR SN 037-0117



END
WORK ZONE
SPEED LIMIT
G20-1103(0)-6036

SYMBOLS

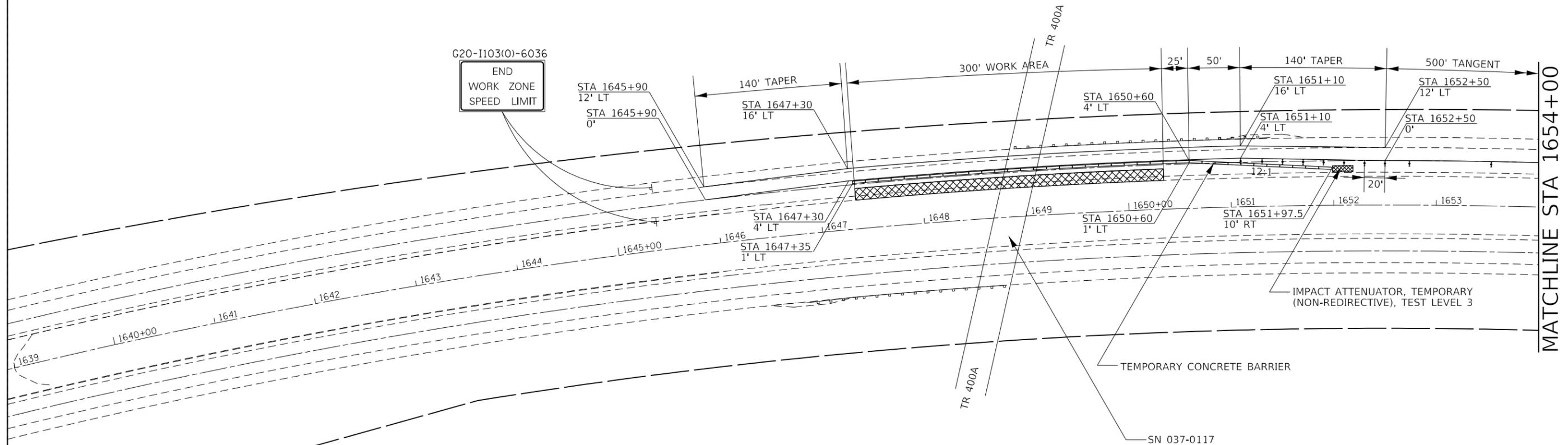
- ↑ Arrow board
- ▨ Work area
- ⊥ Sign
- ↕ Direction indicator barricade with steady burn monodirectional light
- ⊥ Type II barricade or drum with steady burn monodirectional light
- ▬ Temporary concrete barrier
- ◁ Monodirectional barrier wall/guardrail marker
- ▩ Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② Reflectorized temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

FILE NAME =	USER NAME = dosddd	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLAN – STAGE II FOR SN 037-0117	F.A.I. RTE. 80	SECTION (37-5HB-4)BP	COUNTY HENRY	TOTAL SHEETS 15	SHEET NO. 9		
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____	DATE - _____			SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 64L50
PLOT DATE = Oct-04-2018 11:18:02 AM	DATE - _____	REVISED - _____	REVISED - _____			ILLINOIS FED. AID PROJECT						

TRAFFIC CONTROL PLAN – STAGE III FOR SN 037-0117



SYMBOLS

-  Arrow board
-  Work area
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade or drum with steady burn monodirectional light
-  Temporary concrete barrier
-  Monodirectional barrier wall/guardrail marker
-  Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

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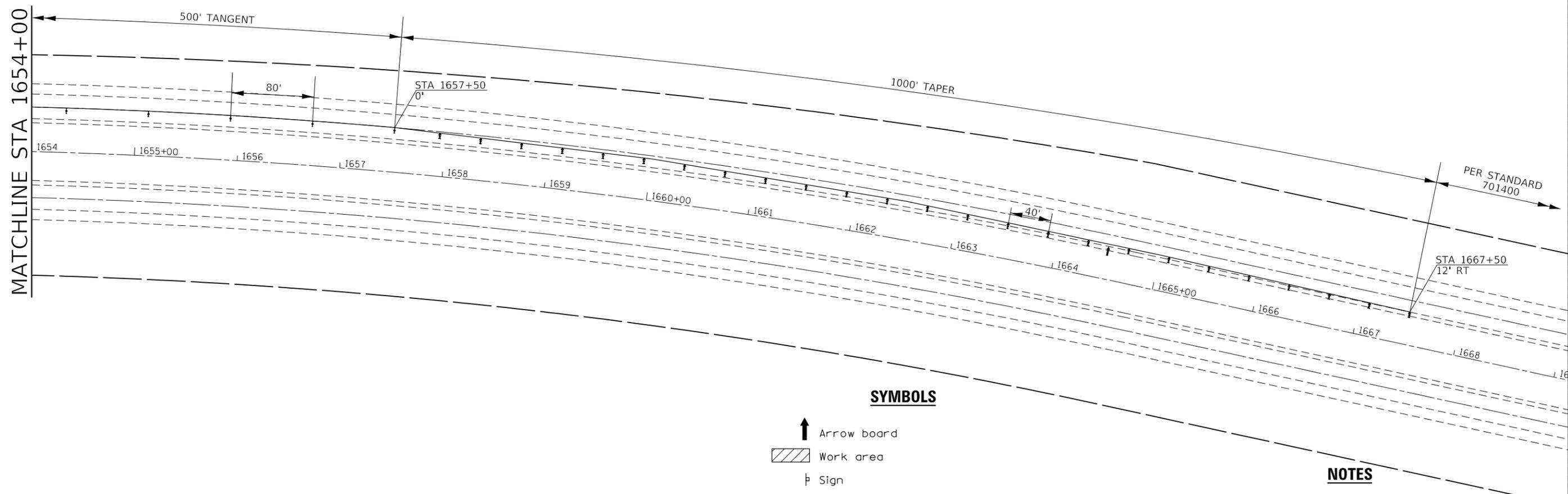
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN – STAGE III
FOR SN 037-0117

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-5HB-4)BP	HENRY	15	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64L50	

TRAFFIC CONTROL PLAN – STAGE III FOR SN 037-0117



SYMBOLS

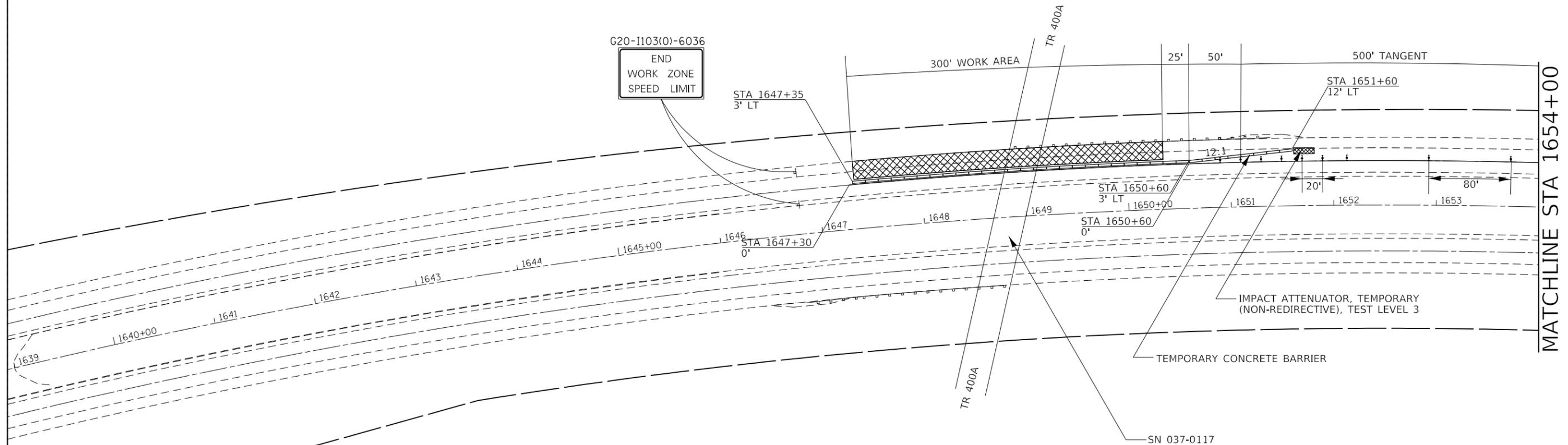
- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade or drum with steady burn monodirectional light
- Temporary concrete barrier
- Monodirectional barrier wall/guardrail marker
- Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

FILE NAME =	USER NAME = dossdd	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLAN – STAGE III FOR SN 037-0117	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\Open Bridge-Section\Henry\037-0117\CADD\REVISED.dgn	DESIGNED BY = _____	REVISIONS = _____	DATE = _____			80	(37-5HB-4)BP	HENRY	15	11
Default	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64L50		
	PLOT DATE = Oct-04-2018 11:18:20 AM	DATE - _____	REVISED - _____	ILLINOIS FED. AID PROJECT						

TRAFFIC CONTROL PLAN – STAGE IV FOR SN 037-0117



SYMBOLS

-  Arrow board
-  Work area
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade or drum with steady burn monodirectional light
-  Temporary concrete barrier
-  Monodirectional barrier wall/guardrail marker
-  Impact attenuator

NOTES

- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② Reflectorized temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

FILE NAME =	USER NAME = dosddd	DESIGNED - _____	REVISED - _____
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\Open Bridge-Section\Henry\037-0117\CAD\REVISED.dgn		DRAWN - _____	REVISIONS - _____
Default	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = Oct-04-2018 11:18:26 AM	DATE - _____	REVISED - _____

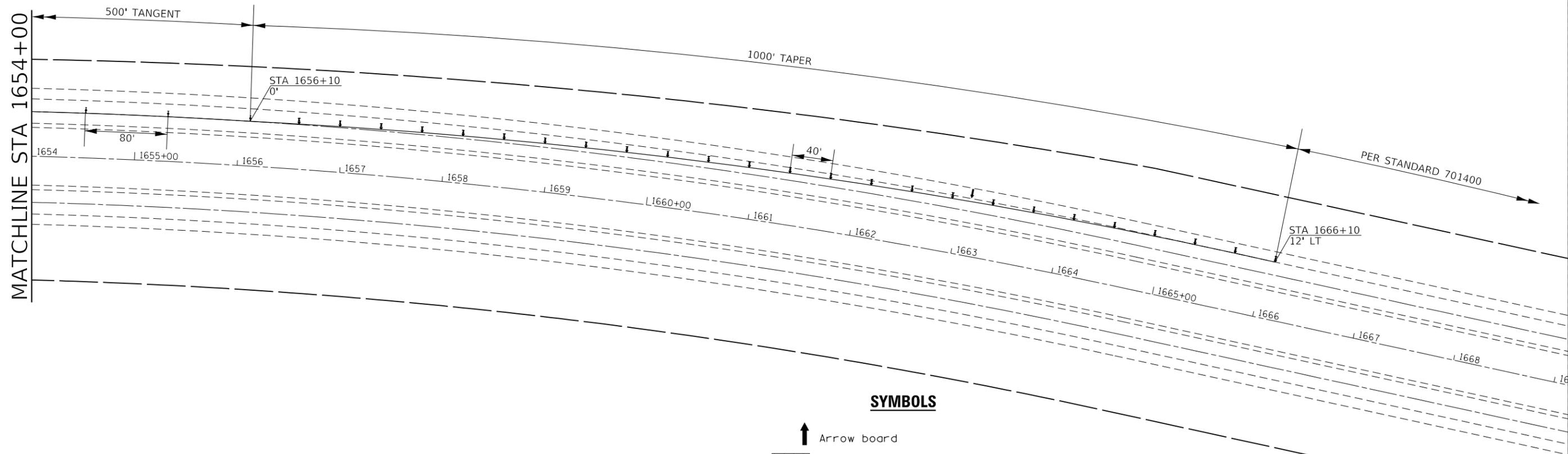
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN – STAGE IV
FOR SN 037-0117

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-5HB-4)BP	HENRY	15	12
CONTRACT NO. 64L50			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN – STAGE IV FOR SN 037-0117



SYMBOLS

- ↑ Arrow board
- ▨ Work area
- T Sign
- ↕ Direction indicator barricade with steady burn monodirectional light
- ⊥ Type II barricade or drum with steady burn monodirectional light
- ▬ Temporary concrete barrier
- ◁ Monodirectional barrier wall/guardrail marker
- ▣ Impact attenuator

NOTES

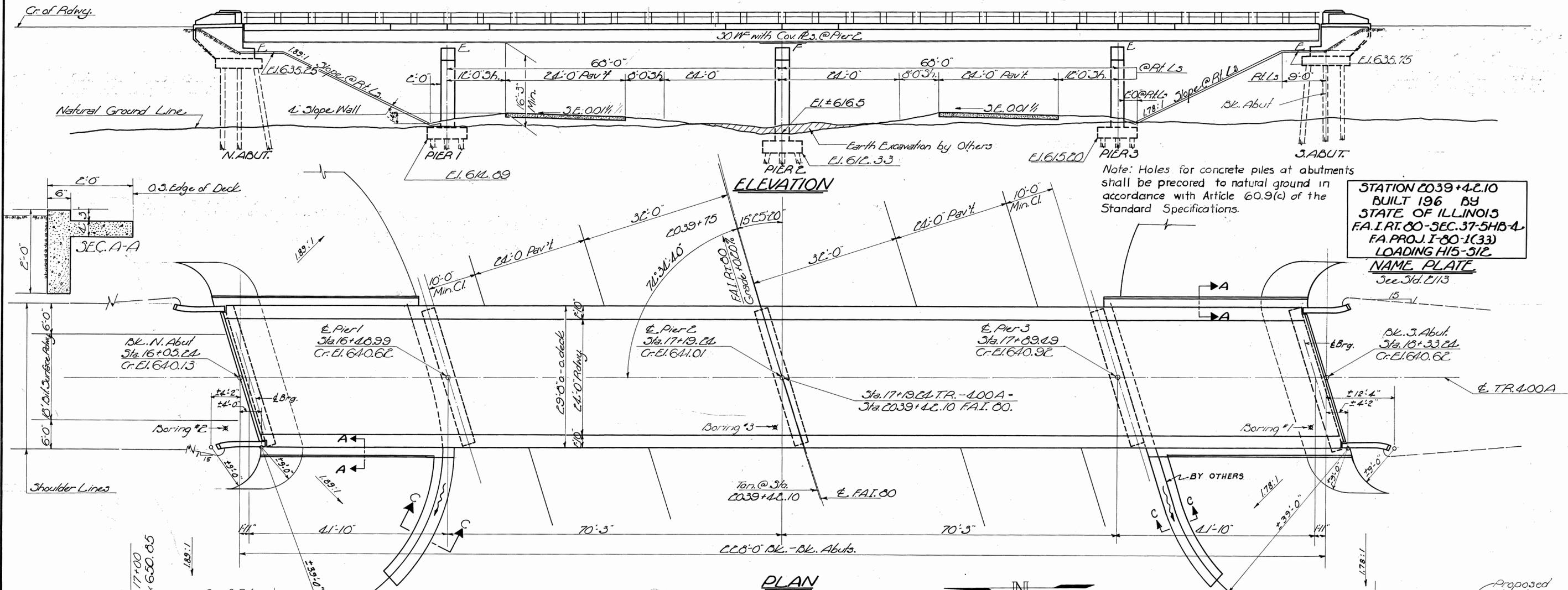
- ① Refer to State Standards 701400, 701401, 701402 and 704001.
- ② ReflectORIZED temporary pavement marking shall be placed throughout the taper and along-side the work area. The edge line shall be white for right lane closure and yellow for left lane closures.

FILE NAME =	USER NAME = dossdd	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLAN – STAGE IV FOR SN 037-0117	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____	80			(37-5HB-4)BP	HENRY	15	13	
PLOT DATE = Oct-04-2018 11:18:33 AM	DATE - _____	REVISED - _____	CONTRACT NO. 64L50			ILLINOIS FED. AID PROJECT				

D.M. #46 Lag Screw in Corner Fence Post 220 Ft.
 Lt. Sta. 2039+75 Elev. 618.607.

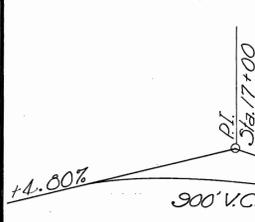
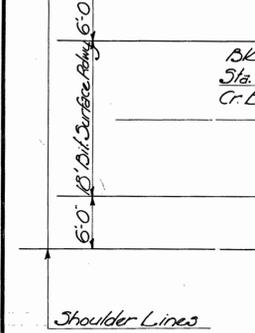
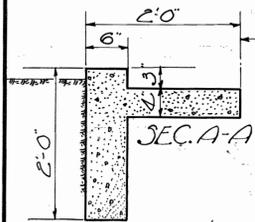
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
S. R. I.	F. A. I.				10 SHEETS
80	37-5HB-4	HENRY	23	4	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: I-80-1(33) 24			



Note: Holes for concrete piles at abutments shall be precored to natural ground in accordance with Article 60.9(c) of the Standard Specifications.

STATION 2039+42.10
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 80-SEC. 37-5HB-4
 FA. PROJ. I-80-1(33)
 LOADING H15-312
 NAME PLATE
 See Std. E113



PROFILE OF TR 4-00A
DESIGN STRESSES
 $f_c = 14,000$ p.s.i. Super
 $f_s = 20,000$ p.s.i. Reinf.
 $f_b = 18,000$ p.s.i. Struct.
 $v_c = 75$ p.s.i. Footing
 $n = 10$
 LOADING H15-312-44

SECTION C-C
 Note: Paved ditch to be constructed by others.

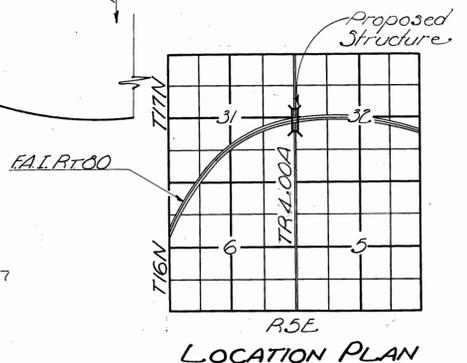
DESIGNED *J. Lemie*
 CHECKED *Gerard Foucaud*
 DRAWN *J. Jacobs, W.L.*
 CHECKED *G.R.*

EXAMINED *W.E. Burmann*
 PASSED *E. H. ...*
 APPROVED *R.H. Bateman*
 Nov 7 1960
 CHIEF HIGHWAY ENGINEER

GENERAL NOTES
 Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq. ft.
 Class X Concrete shall be used throughout except in handrail end posts.
 Handrail Concrete shall be used in handrail end posts.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 Rivets 2"Ø, Open holes 1 1/2"Ø, unless noted.
 Railings shall be adjusted to true alignment after curbs have been poured.
 All rollers, 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. Est. Wt. = 6440 Lbs.
 Expansion guards shall be fabricated and erected in accordance with Article 51.1361 of the Standard Specifications.
 Expansion guards are included in quantity of Structural Steel. Est. Wt. = 710 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 structural steel inaccessible after erection shall be given two shop coats of red lead paint, except studs.
 The Contractor shall drive 2 test piles, one concrete test pile in a permanent location at N. Abut and one timber test pile near Pier 2, before ordering remainder of piles.
 Anchor bolts shall be set before riveting diaphragms over supports.

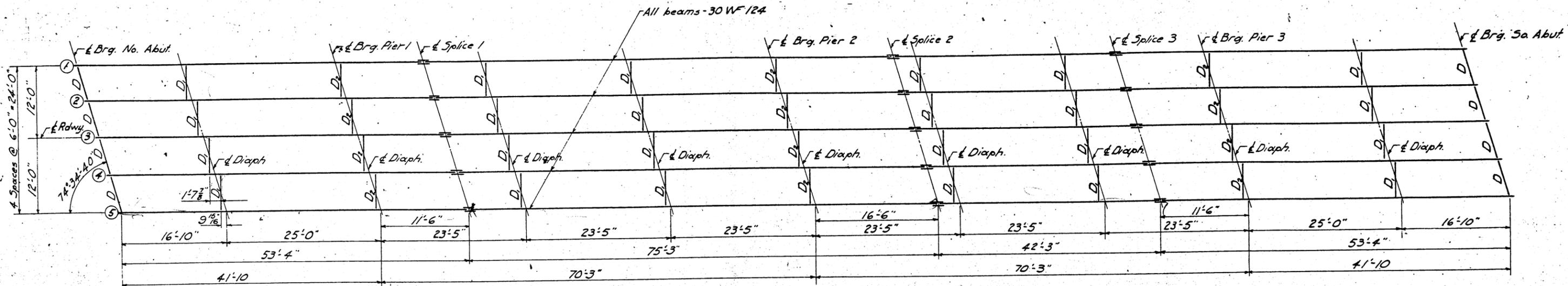
TOTAL BILL OF MATERIALS

ITEM	UNITS	SUPER	SUB	TOTAL
Class X Concrete	Cu. Yds.	188.3	201.3	389.6
Handrail Concrete	Cu. Yds.	2.3		2.3
Reinforcement Bars	Lbs.	32470	13180	45650
Structural Steel	Lbs.	168,627		168,627
Metal Handrail - Galvanized	Lin. Ft.	451		451
Slope Wall	Sq. Yds.		360	360
Concrete Piles	Lin. Ft.		425	425
Test Piles (Concrete)	Each		1	1
Creosoted Piles	Lin. Ft.		1000	1000
Test Piles (Timber)	Each		1	1
Class A Excavation for Structures	Cu. Yds.			150
DR. TIM. PILE ADJ. PR.	Lin. Ft.		725	725
Name Plates	Each		2	2
DR. FILL SHELL ADJ. PR.	Lin. Ft.			415



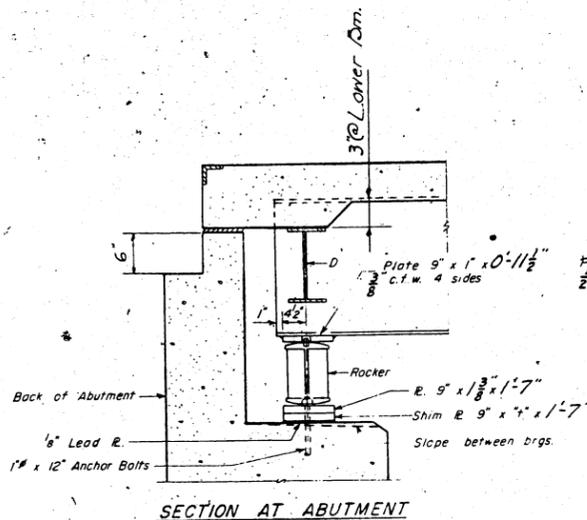
GENERAL PLAN & ELEVATION
 PROJ. I-80-1(33) 26
 F.A.I. RT. 80-SEC. 37-5HB-4
 HENRY COUNTY
 STA. 2039+42.10

FOR INFORMATION ONLY

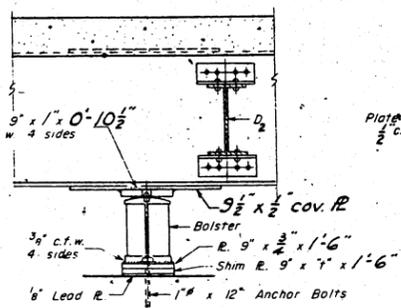


FRAMING PLAN

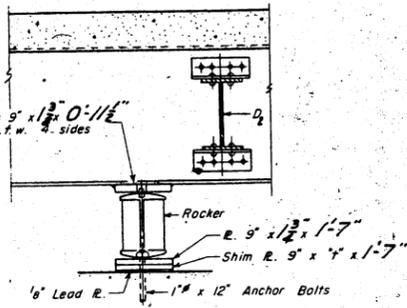
FOR INFORMATION ONLY



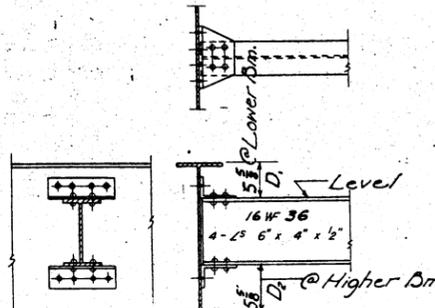
SECTION AT ABUTMENT



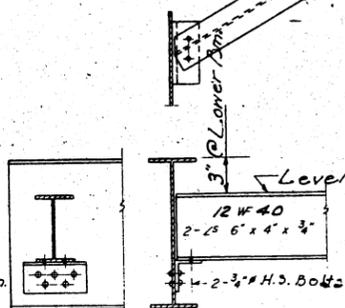
PIER 2



PIERS 1 & 3



DIAPHRAGMS D₁ & D₂

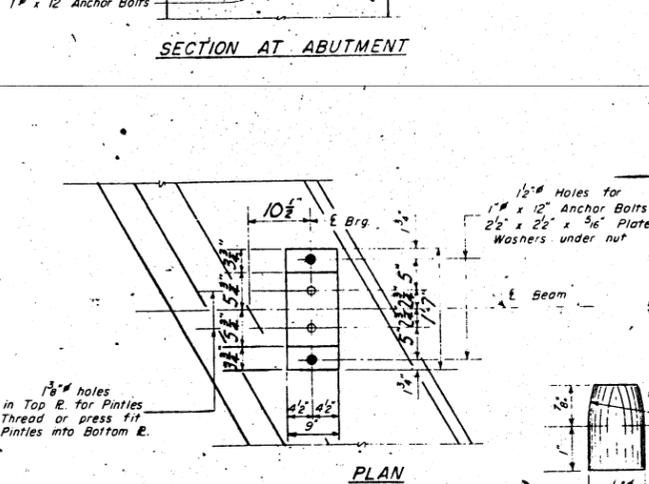


DIAPHRAGM D

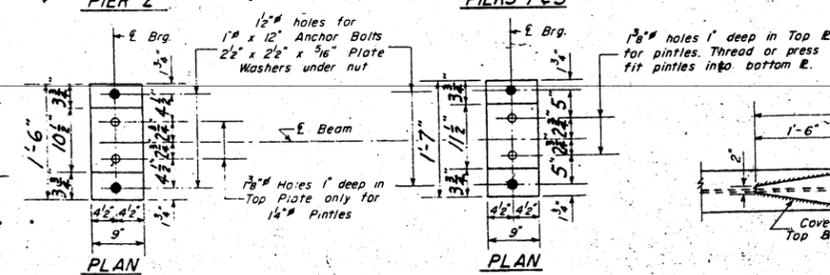
ELEVATION TOP OF BEAMS

Location	Beams				
	1	2	3	4	5
Brig. No. Abut.	639.45	639.56	639.61	639.61	639.54
Pier 1	639.85	639.95	640.00	639.95	639.91
Splice 1	639.96	640.06	640.10	640.08	640.01
Pier 2	640.22	640.31	640.35	640.32	640.24
Splice 2	640.30	640.39	640.42	640.39	640.30
Splice 3	640.24	639.33	640.35	640.31	640.22
Pier 3	640.19	639.27	640.29	640.25	640.16
Brig. Sa. Abut.	640.00	639.07	640.09	640.05	639.94

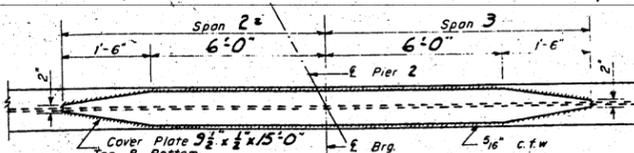
Note: All Elevations are given at the top of the Flange.



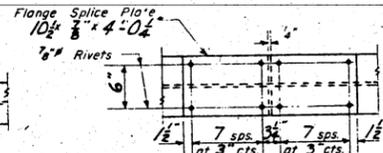
PLAN



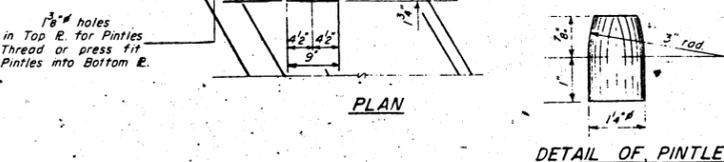
PLAN



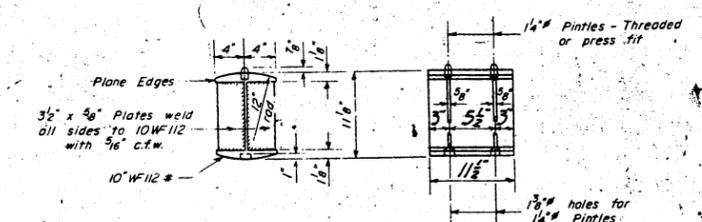
DETAIL OF COVER PLATES



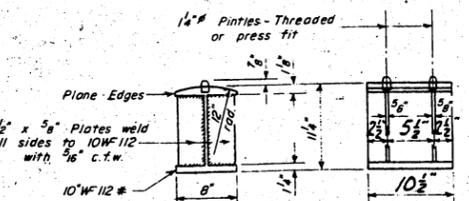
DETAIL OF SPICE



DETAIL OF PINTLE



DETAIL OF BEARING AT PIERS 1 & 3, & ABUT



DETAIL OF BEARING AT PIER 2

TABLE OF 1" DIMENSIONS

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5
No. Abut.	—	4"	4"	4"	4"
Pier 1	—	—	2"	2"	2"
Pier 2	—	—	2"	2"	2"
Pier 3	2"	2"	—	—	—
Sa. Abut.	—	—	4"	4"	—

DESIGNED *J. Ganci*
CHECKED *J. Ganci*
DRAWN *W. A. Sausman*
CHECKED *G.R.*

EXAMINED *W. C. Beermann*
PASSED *W. C. Beermann*
APPROVED *R. H. Bantelmeier*

STRUCTURAL STEEL
F.A.I. RT. 80-SEC. 37-5HB-4
HENRY COUNTY
STATION 2039+42.10