

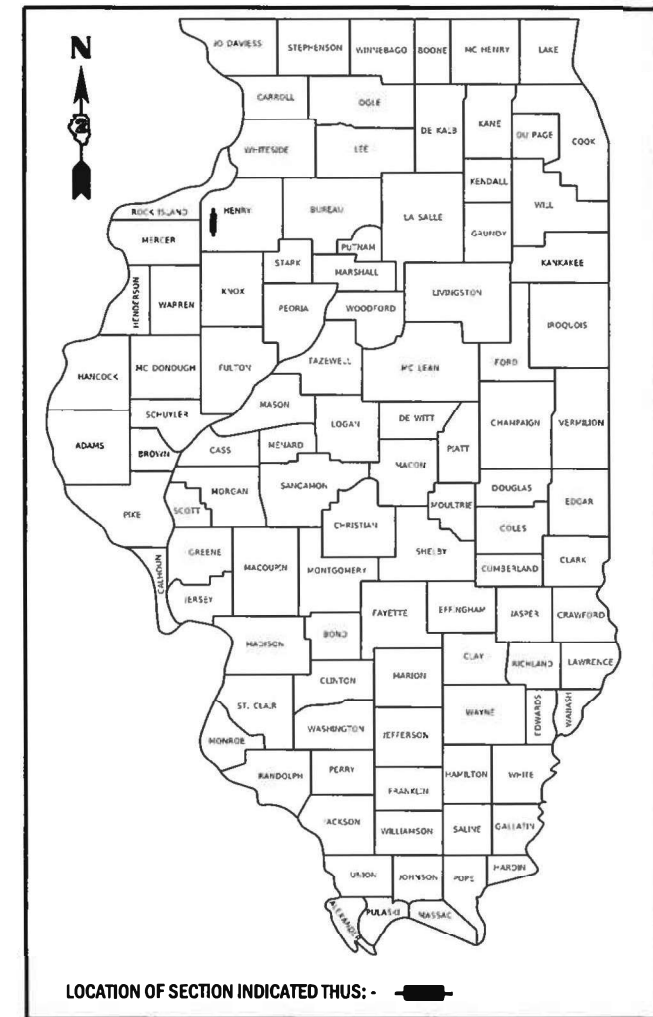
INDEX OF SHEETS 11-06-2020 LETTING ITEM 025

01	COVER SHEET
02	HIGHWAY STANDARDS & GENERAL NOTES
03-04	SUMMARY OF QUANTITIES
05-06	SCHEDULE OF QUANTITIES
07-08	TRAFFIC CONTROL PLAN - STAGE I
09-10	TRAFFIC CONTROL PLAN - STAGE II
11	RESTORATION & PAVEMENT MARKING PLAN
12	GENERAL PLAN AND ELEVATION
13	STAGE CONSTRUCTION DETAILS - BRIDGE
14	STAGE CONSTRUCTION DETAILS - APPROACH SLAB
15	STAGE CONSTRUCTION DETAILS - PAVEMENT CONNECTOR
16	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
17	OVERLAY PLAN
18	OVERLAY DETAILS - BRIDGE DECK
19	OVERLAY DETAILS - APPROACH SLAB
20	OVERLAY DETAILS - PAVEMENT CONNECTOR
21-22	TOP OF SLAB ELEVATIONS
23-24	TOP OF SOUTH APPROACH SLAB ELEVATIONS
25-26	TOP OF NORTH APPROACH SLAB ELEVATIONS
27-28	TOP OF SOUTH PAVEMENT CONNECTOR ELEVATIONS
29-30	TOP OF NORTH PAVEMENT CONNECTOR ELEVATIONS
31-32	APPROACH SLAB REPAIR DETAILS
33-39	REGION 2 / DISTRICT 2 STANDARD DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**
F.A.I. 74 (I-74)
PROJECT: NHPP-S6A7(410)
SECTION (37-3HB)BDR
BRIDGE REPAIR
HENRY COUNTY
C-92-074-20

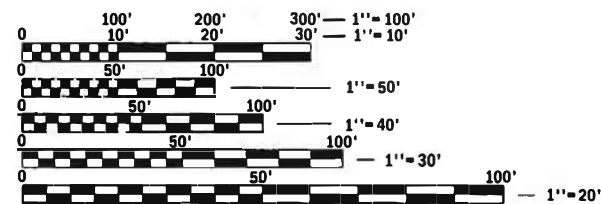
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	01
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-S6A7(410)				

D-92-054-20



DESIGN DESIGNATIONS

INTERSTATE
CURRENT ADT: 16,100 (2019)
DESIGN SPEED: 70 MPH
POSTED SPEED: 70 MPH



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 GEOFF SMITH, P.E.
PROJECT MANAGER MAHMOUD ETEMADI, P.E.

CONTRACT NO. 64P50

EXISTING STRUCTURE

S.N. 037-0010 (NB) A THREE SPAN CONC. SLAB BRIDGE WITH OPEN ABUTMENTS AND MULTI-COLUMN PIERS.
BACK TO BACK LENGTH = 102'-2"
OUT TO OUT WIDTH = 44'-7"

EXISTING STRUCTURE

S.N. 037-0009 (SB) A THREE SPAN CONC. SLAB BRIDGE WITH OPEN ABUTMENTS AND MULTI-COLUMN PIERS.
BACK TO BACK LENGTH = 102'-2"
OUT TO OUT WIDTH = 44'-7"



MAP NOT TO SCALE

LOCATION MAP

GROSS LENGTH = 3,953 FT. = 0.75 MILE
NET LENGTH = 3,953 FT. = 0.75 MILE

PROJECT ENDS
STA. 933 + 75

PROJECT BEGINS
STA. 894 + 22



DATE: 7-30-2020
EXPIRES 11/30/21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 05, 2020
[Signature]
REGIONAL ENGINEER
October 2, 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
October 2, 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
610001-08	SHOULDER INLET WITH CURB
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SET UP AND REMOVAL FREEWAY / EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
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)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

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

THE STRUCTURES WILL RETAIN THE SAME NUMBERS: 071-0052 (SB) & 071-0053 (NB).

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001-05, EXCEPT AS FOLLOWS:

1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OR TYPICAL LANDE AND EDGE LINES
4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT 2 STANDARD 41.1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIESLOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBER OF JULIE.

IDOT IS NOT A MEMBER OF JULIE, IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AND 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

THE OFFICAL LANE DESIGNATION FOR I-74 ARE WESTBOUND AND EASTBOUND. THIS PROJECT IS LOCATED ON A PORTION OF I-74 THAT IS ORIENTATED NORTH AND SOUTH. FOR THE PURPOSE OF CLARITY THE WESTBOUND LANES WILL BE REFERED TO AS NORTHBOUND, AND THE EASTBOUND LANES WILL BE REFFERED TO AS SOUTHBOUND, HEREIN.

HMA MIX DESIGN

LOCATION(S):	SHOULDER
MIXTURE USE(S):	SURFACE
PG:	PG 64-22
DESIGN AIR VOIDS:	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	C
20 YEAR ESAL	0.0
MIXTURE WEIGHT:	112 LBS / SY / IN
QUALITY MANAGEMENT PROGRAM:	QC / QA
SUBLOT TONNAGE:	N/A

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD_SHEETS\WO 10\1427D18.WO-10.General-Notes-&-Standards.dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 10.0000 " / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS & GENERAL NOTES

SCALE N / A SHEET 1 OF 1 SHEETS STA. N / A TO STA. N / A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	02
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE: 0013

90% FED
10% STATE

90% FED
10% STATE

PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
28000510	INLET FILTERS	EACH	4
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	67
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	20
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	144
50102400	CONCRETE REMOVAL	CU YD	9.2
50300300	PROTECTIVE COAT	SQ YD	1,701
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	10.3
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	110
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	16.5
* 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	2,968

* SPECIALITY ITEM

PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	918
* 70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	11,180
70400100	TEMPORARY CONCRETE BARRIER	FOOT	850.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	750.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2,968
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,192
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	1,692
Z0012140	BRIDGE DECK SCARIFICATION 2"	SQ YD	1,692
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,550
X0100002	GRADING AND SHAPING SPECIAL	SQ YD	134
X1400432	REMOVE AND REINSTALL SHOULDER INLET DRAIN PIPE & CONNECTION	EACH	1
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,063

* SPECIALITY ITEM

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD_SHEETS\10\1427018.WD-10_Summary-of-Quantities.dgn



USER NAME = sotjam	DESIGNED - SM	REVISED -
PLOT SCALE = 20.0000 / 1	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE N / A SHEET 1 OF 2 SHEETS STA. N / A TO STA. N / A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	03
WHA# 1427018			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE: 0013

90% FED
10% STATE

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
X6026200	INLETS TO BE ADJUSTED (SPECIAL)	EACH	4
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	5,174
XXXXXXX1	REMOVE AND REINSTALL SHOULDER INLET DRAIN PIPE & CONNECTION	EACH	1

* SPECIALITY ITEM

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18.WO-10_Summary-of-Quantities.dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE N / A SHEET 2 OF 2 SHEETS STA. N / A TO STA. N / A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	04
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				

REV. 8/19/20

SCHEDULE OF QUANTITIES

28000510 INLET FILTERS

STATION	EACH	REMARKS
INTERSTATE 74		
914+64.7 LEFT 63.1'	1	NORTH BOUND
914+66.8 LEFT 28.6'	1	NORTH BOUND
914+70.3 RIGHT 28.5'	1	SOUTH BOUND
914+71.8 RIGHT 63.0'	1	SOUTH BOUND
PROJECT TOTAL	4	

40600290 BITUMINOUS MATERIALS (TACK COAT)

STATION	POUND	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND		
912+97.1 - 913+16.8	7	SHOULDER
914+78.0 - 914+96.7	6	SHOULDER
STAGE I - SOUTH BOUND		
913+00.3 - 913+21.4	7	SHOULDER
914+82.6 - 915+01.3	6	SHOULDER
STAGE II - NORTH BOUND		
912+97.1 - 913+16.8	10	SHOULDER
914+78.0 - 914+96.7	10	SHOULDER
STAGE II - SOUTH BOUND		
913+00.3 - 913+21.4	11	SHOULDER
914+82.6 - 915+01.3	10	SHOULDER
PROJECT TOTAL	67	

40604050 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

STATION	TON	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND		
912+97.1 - 913+16.8	2	SHOULDER
914+78.0 - 914+96.7	2	SHOULDER
STAGE I - SOUTH BOUND		
913+00.3 - 913+21.4	2	SHOULDER
914+82.6 - 915+01.3	2	SHOULDER
STAGE II - NORTH BOUND		
912+97.1 - 913+16.8	3	SHOULDER
914+78.0 - 914+96.7	3	SHOULDER
STAGE II - SOUTH BOUND		
913+00.3 - 913+21.4	3	SHOULDER
914+82.6 - 915+01.3	3	SHOULDER
PROJECT TOTAL	20	

44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

STATION	SQ YD	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND		
912+97.1 - 913+16.8	14	
914+78.0 - 914+96.7	13	
STAGE I - SOUTH BOUND		
913+00.3 - 913+21.4	15	
914+82.6 - 915+01.3	13	
STAGE II - NORTH BOUND		
912+97.1 - 913+16.8	23	
914+78.0 - 914+96.7	21	
STAGE II - SOUTH BOUND		
913+00.3 - 913+21.4	24	
914+82.6 - 915+01.3	21	
PROJECT TOTAL	144	

70107004 PAVEMENT MARKING BLACKOUT TAPE, 4"

STATION	FOOT	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND		
909+93.6 - 918+75.2	882	E. EDGE LINE, SOLID WHITE
STAGE I - SOUTH BOUND		
909+22.3 - 918+04.0	882	W. EDGE LINE, SOLID WHITE
STAGE II - NORTH BOUND		
911+33.6 - 917+35.2	602	W. EDGE LINE, SOLID YELLOW
STAGE II - SOUTH BOUND		
910+62.3 - 916+64.0	602	E. EDGE LINE, SOLID YELLOW
PROJECT TOTAL	2,968	

70107006 PAVEMENT MARKING BLACKOUT TAPE, 6"

STATION	FOOT	REMARKS
INTERSTATE 74		
STAGE I & II - NORTH BOUND LANES		
915+40.6 - 933+75.2	459	CENTERLINE, 6" SKIP DASH
STAGE I & II - SOUTH BOUND LANES		
894+22.3 - 912+56.9	459	CENTERLINE, 6" SKIP DASH
PROJECT TOTAL	918	

70300904 PAVEMENT MARKING TAPE, TYPE IV - 4"

STATION	FOOT	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND LANES		
912+53.1 - 933+75.2	2,123	SOLID - YELLOW
909+93.6 - 918+75.2	882	SOLID - WHITE
STAGE I - SOUTH BOUND LANES		
894+22.3 - 915+44.4	2,123	SOLID - YELLOW
909+22.3 - 918+04.0	882	SOLID - WHITE
STAGE II - NORTH BOUND LANES		
911+33.6 - 917+35.2	602	SOLID - YELLOW
912+53.1 - 932+35.2	1,983	SOLID - WHITE
STAGE II - SOUTH BOUND LANES		
910+62.3 - 916+64.0	602	SOLID - YELLOW
895+62.3 - 915+44.4	1,983	SOLID - WHITE
PROJECT TOTAL	11,180	

70400100 TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
INTERSTATE 74		
STAGE I - NORTH BOUND LANES		
912+53.1 - 915+65.6	312.5	PARALLEL WITH LANE
915+65.6 - 916+77.7	112.5	(1:12 TAPER)
STAGE I - SOUTH BOUND LANES		
911+19.8 - 912+31.9	112.5	(1:12 TAPER)
912+31.9 - 915+44.4	312.5	PARALLEL WITH LANE
PROJECT TOTAL	850.0	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
INTERSTATE 74		
STAGE II - NORTH BOUND LANES		
912+53.2 - 915+65.6	312.5	PARALLEL WITH LANE
915+65.6 - 916+27.9	62.5	(1:12 TAPER)
STAGE II - SOUTH BOUND LANES		
911+69.6 - 912+31.9	62.5	(1:12 TAPER)
912+31.9 - 915+44.4	312.5	PARALLEL WITH LANE
PROJECT TOTAL	750.0	

70600250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

STATION	EACH	REMARKS
INTERSTATE 74		
916+77.7	1	STAGE I - NORTH BOUND
911+19.8	1	STAGE I - SOUTH BOUND
PROJECT TOTAL	2	

70600350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

STATION	EACH	REMARKS
INTERSTATE 74		
916+27.9	1	STAGE II - NORTH BOUND
912+31.9	1	STAGE II - SOUTH BOUND
PROJECT TOTAL	2	

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
INTERSTATE 74		
NORTH BOUND LANES		
911+33.6 - 917+35.2	602	W. EDGE LINE - YELLOW
909+93.6 - 918+75.2	882	E. EDGE LINE - WHITE
SOUTH BOUND LANES		
909+22.3 - 918+04.0	882	W. EDGE LINE - WHITE
910+62.3 - 916+64.0	602	E. EDGE LINE - YELLOW
PROJECT TOTAL	2,968	

78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

STATION	FOOT	REMARKS
INTERSTATE 74		
NORTH BOUND LANES		
909+93.6 - 933+75.2	596	SKIP DASH - WHITE
SOUTH BOUND LANES		
894+22.3 - 918+04.0	596	SKIP DASH - WHITE
PROJECT TOTAL	1,192	

78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	EACH	REMARKS
INTERSTATE 74		
912+97.1 - 914+96.7	3	NEW PAVEMENT - CL N.B.
913+00.3 - 915+01.3	3	NEW PAVEMENT - CL S.B.
PROJECT TOTAL	6	

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USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE N / A		SHEET 1 OF 2 SHEETS		STA. N / A TO STA. N / A	
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	05
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED.AID PROJECT NHP-66A7(410)				

SCHEDULE OF QUANTITIES

X010002 GRADING AND SHAPING SPECIAL

STATION	SQ YD	REMARKS
INTERSTATE 74 SE QUAD N.B. STRUCTURE	134	DRAIN PIPE RECONSTRUCTION
PROJECT TOTAL	134	

X6026200 INLETS TO BE ADJUSTED (SPECIAL)

STATION	EACH	REMARKS
INTERSTATE 74 914+64.7 LEFT 63.1'	1	NORTH BOUND
914+66.8 LEFT 28.6'	1	NORTH BOUND
914+70.3 RIGHT 28.5'	1	SOUTH BOUND
914+71.8 RIGHT 63.0'	1	SOUTH BOUND
PROJECT TOTAL	4	

**X7030005 TEMPORARY PAVEMENT MARKING
REMOVAL**

STATION	SQ FT	REMARKS
INTERSTATE 74 STAGE II - NORTH & SOUTH		
ENTIRE STAGE I	2,003	TEMPORARY PAVEMENT MARKINGS
STAGE I - EDGE LINES	588	BLACKOUT TAPE
POST STAGE II - NORTH & SOUTH		
ENTIRE STAGE II	1,723	TEMPORARY PAVEMENT MARKINGS
STAGE II - EDGE LINES & CENTER LINE	860	BLACKOUT TAPE
PROJECT TOTAL	5,174	

**XXXXXXX1 REMOVE AND REINSTALL SHOULDER INLET
DRAIN PIPE & CONNECTION**

STATION	EACH	REMARKS
INTERSTATE 74 SE QUAD N.B. STRUCTURE	1	STANDARD 610001
PROJECT TOTAL	1	

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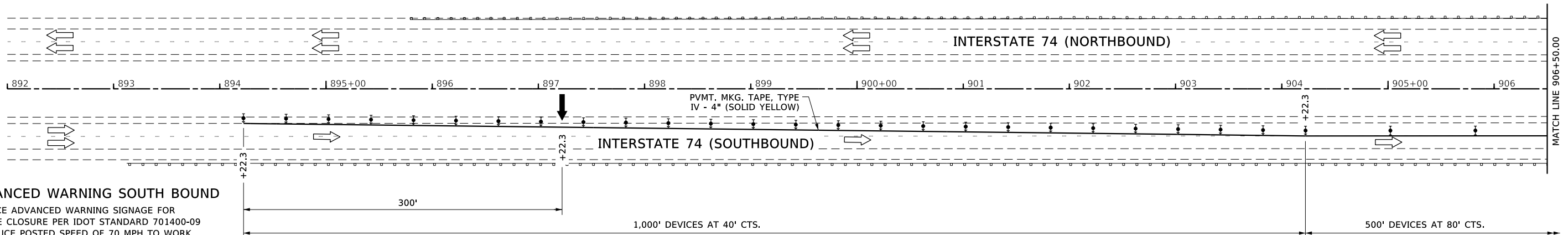


USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - RDA	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE N / A	SHEET 2 OF 2 SHEETS	STA. N / A	TO STA. N / A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	06
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				



ADVANCED WARNING SOUTH BOUND

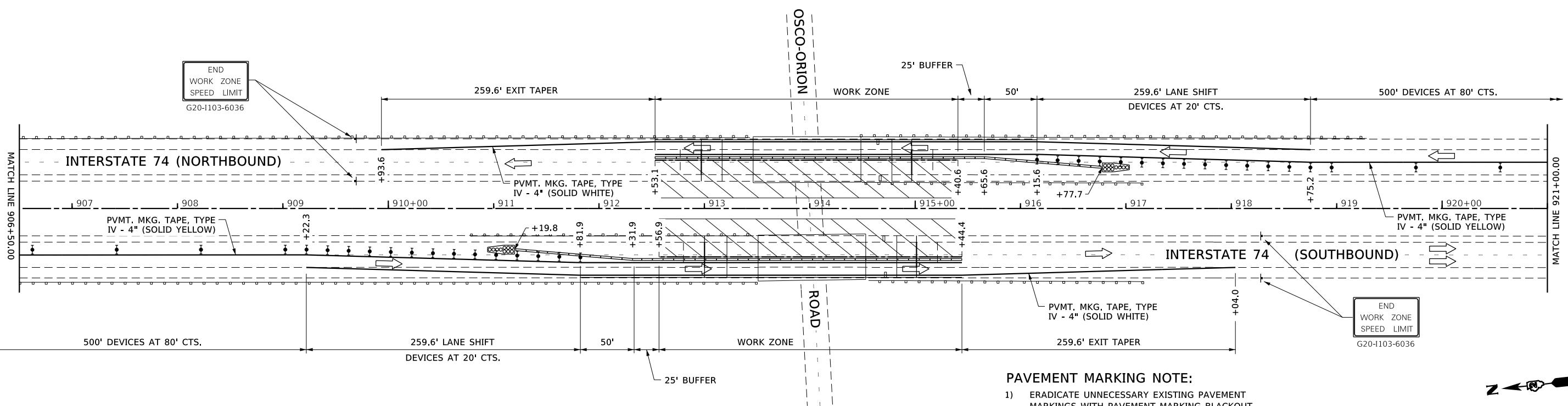
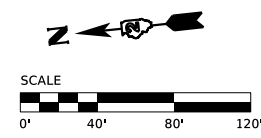
PLACE ADVANCED WARNING SIGNAGE FOR LANE CLOSURE PER IDOT STANDARD 701400-09
REDUCE POSTED SPEED OF 70 MPH TO WORK ZONE SPEED LIMIT OF 55 MPH.

PAVEMENT MARKING NOTE:

- 1) ERADICATE UNNECESSARY EXISTING PAVEMENT MARKINGS WITH PAVEMENT MARKING BLACKOUT TAPE, 4" (EDGE LINES) OR PAVEMENT MARKING BLACKOUT TAPE, 6" (CL SKIP-DASH).

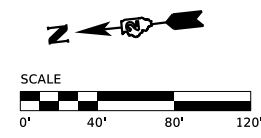
LEGEND

- ↑ TYPE III BARRICADE
- ↓ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ↕ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ➡ ARROW BOARD
- ⊥ SIGN
- ▨ WORK AREA



PAVEMENT MARKING NOTE:

- 1) ERADICATE UNNECESSARY EXISTING PAVEMENT MARKINGS WITH PAVEMENT MARKING BLACKOUT TAPE, 4" (EDGE LINES) OR PAVEMENT MARKING BLACKOUT TAPE, 6" (CL SKIP-DASH).



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WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

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DEPARTMENT OF TRANSPORTATION**

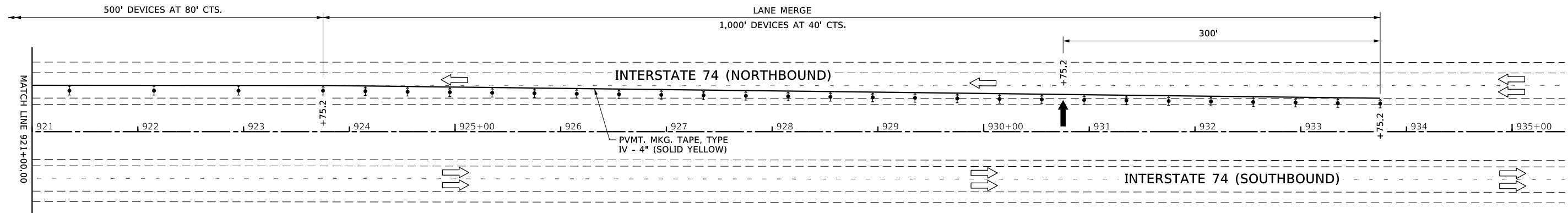
TRAFFIC CONTROL PLAN - STAGE I

SCALE 1 : 100 SHEET 1 OF 4 SHEETS STA. 892+00.00 TO STA. 921+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	07
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED.AID PROJECT NHPP-56A7(410)				

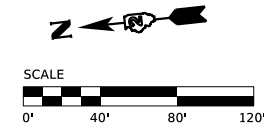
ADVANCED WARNING NORTH BOUND

PLACE ADVANCED WARNING SIGNAGE FOR LANE CLOSURE PER IDOT STANDARD 701400-09
 REDUCE POSTED SPEED OF 70 MPH TO WORK ZONE SPEED LIMIT OF 55 MPH.



PAVEMENT MARKING NOTE:

- 1) ERADICATE UNNECESSARY EXISTING PAVEMENT MARKINGS WITH PAVEMENT MARKING BLACKOUT TAPE, 4" (EDGE LINES) OR PAVEMENT MARKING BLACKOUT TAPE, 6" (CL SKIP-DASH).



LEGEND

- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- SIGN
- WORK AREA

STAGE I CONSTRUCTION NOTES:

- 1) BLACKOUT CONFLICTING EXISTING PAVEMENT MARKINGS, PLACE TEMPORARY PAVEMENT MARKINGS, INSTALL ADVANCED WARNING SIGNS FOR LANE CLOSURE PER STANDARD 701400. INSTALL THE LANE MERGE TRAFFIC CONTROL DEVICES TO CLOSE THE INTERIOR LANE, SHIFT TRAFFIC TO THE EXTERIOR LANE, AND INSTALL STAGE I CONCRETE BARRIER FOR BOTH NORTH AND SOUTH BOUND TRAFFIC ON I - 74, USING STANDARD 701401 & 701402.
- 2) PERFORM STAGE I PORTION OF STRUCTURE, DECK REPAIRS, PAVEMENT CONNECTOR AND APPROACH PAVEMENT CONSTRUCTION. (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
- 5) REMOVE STAGE I TEMPORARY PAVEMENT MARKINGS, BLACKOUT CONFLICTING EXISTING PAVEMENT MARKINGS, PLACE STAGE II TEMPORARY PAVEMENT MARKINGS, AND RELOCATE TEMPORARY CONCRETE BARRIER TO STAGE II ALIGNMENT USING STANDARDS 701426, AND 701901.
- 6) SWITCH TRAFFIC TO STAGE II CONSTRUCTION, CLOSING THE EXTERIOR LANE AND SHIFT TRAFFIC TO THE INTERIOR LANE FOR BOTH NORTH AND SOUTH BOUND TRAFFIC ON I - 74.

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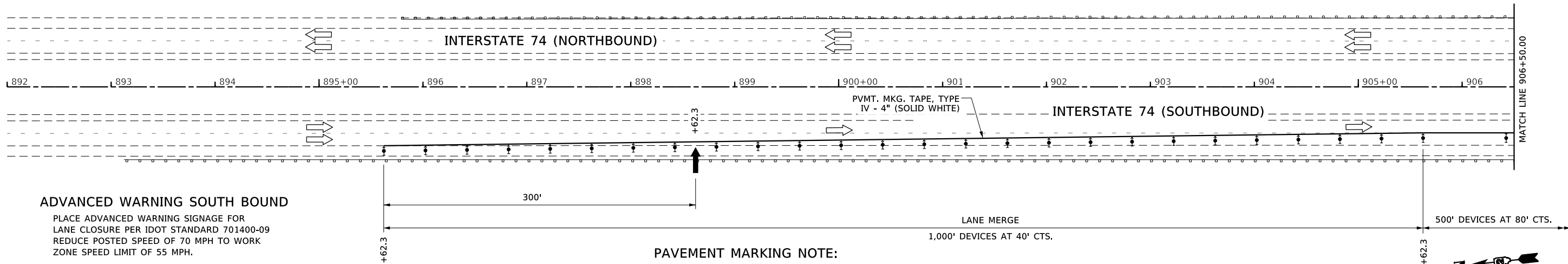
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE I

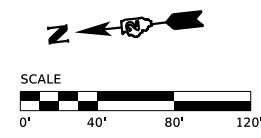
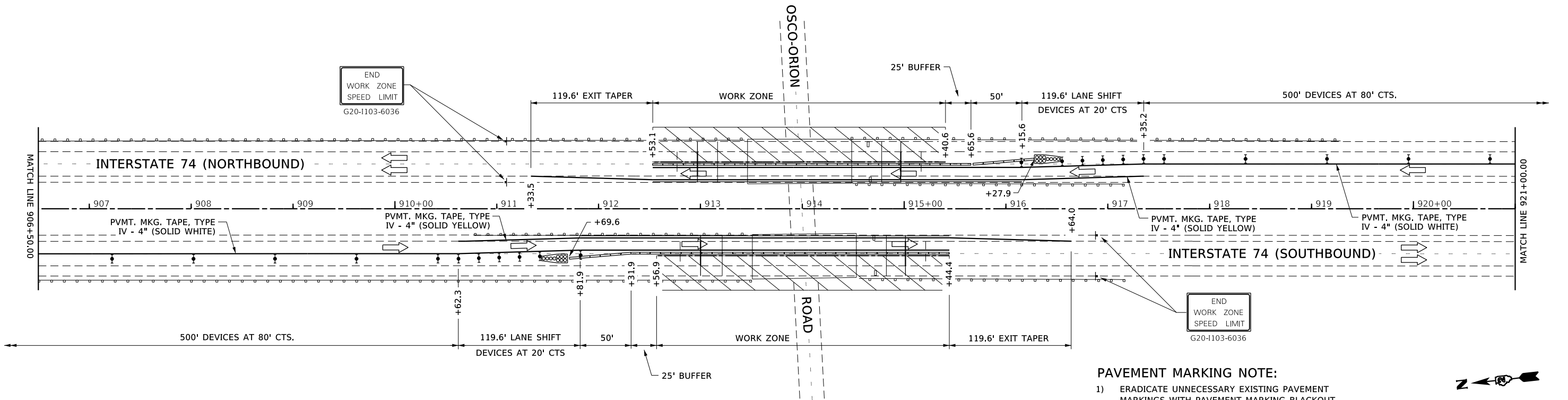
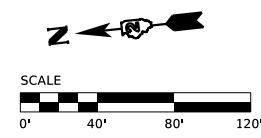
SCALE 1 : 100 SHEET 2 OF 4 SHEETS STA. 921+00.00 TO STA. 935+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	08
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				



LEGEND

- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- SIGN
- WORK AREA



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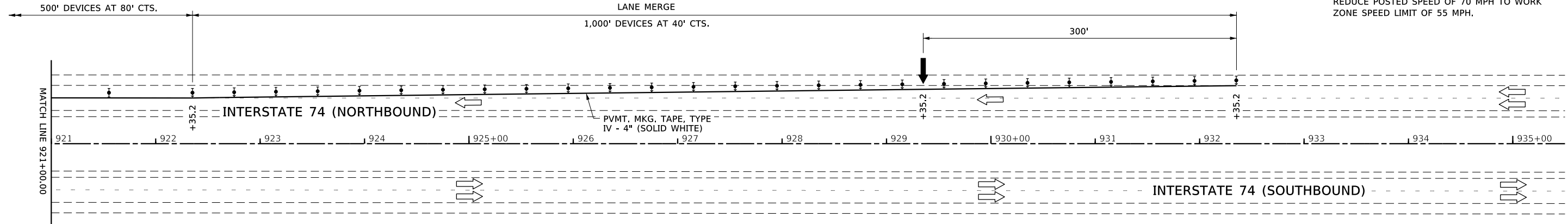
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE II

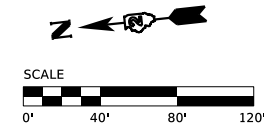
SCALE 1 : 100 SHEET 3 OF 4 SHEETS STA. 892+00.00 TO STA. 921+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	09
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED.AID PROJECT NHPP-56A7(410)				

ADVANCED WARNING NORTH BOUND
 PLACE ADVANCED WARNING SIGNAGE FOR
 LANE CLOSURE PER IDOT STANDARD 701400-09
 REDUCE POSTED SPEED OF 70 MPH TO WORK
 ZONE SPEED LIMIT OF 55 MPH.



PAVEMENT MARKING NOTE:
 1) ERADICATE UNNECESSARY EXISTING PAVEMENT MARKINGS WITH PAVEMENT MARKING BLACKOUT TAPE, 4" (EDGE LINES) OR PAVEMENT MARKING BLACKOUT TAPE, 6" (CL SKIP-DASH).



LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> TYPE III BARRICADE TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT IMPACT ATTENUATOR | <ul style="list-style-type: none"> TEMPORARY CONCRETE BARRIER ARROW BOARD SIGN WORK AREA |
|---|--|

STAGE II CONSTRUCTION NOTES:

- 1) PERFORM STAGE II PORTION OF STRUCTURE AND DECK REPAIR, PAVEMENT CONNECTOR, AND APPROACH PAVEMENT CONSTRUCTION. (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN THE BRIDGE PLANS).
- 2) REMOVE STAGE II CONCRETE BARRIER, TRAFFIC CONTROL DEVICES, AND TEMPORARY PAVEMENT MARKINGS, USING STANDARDS 701426-09 AND 701901-08.
- 3) PERFORM PAVEMENT STRIPING WORK USING STANDARDS 701426-09 AND 701901-08.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

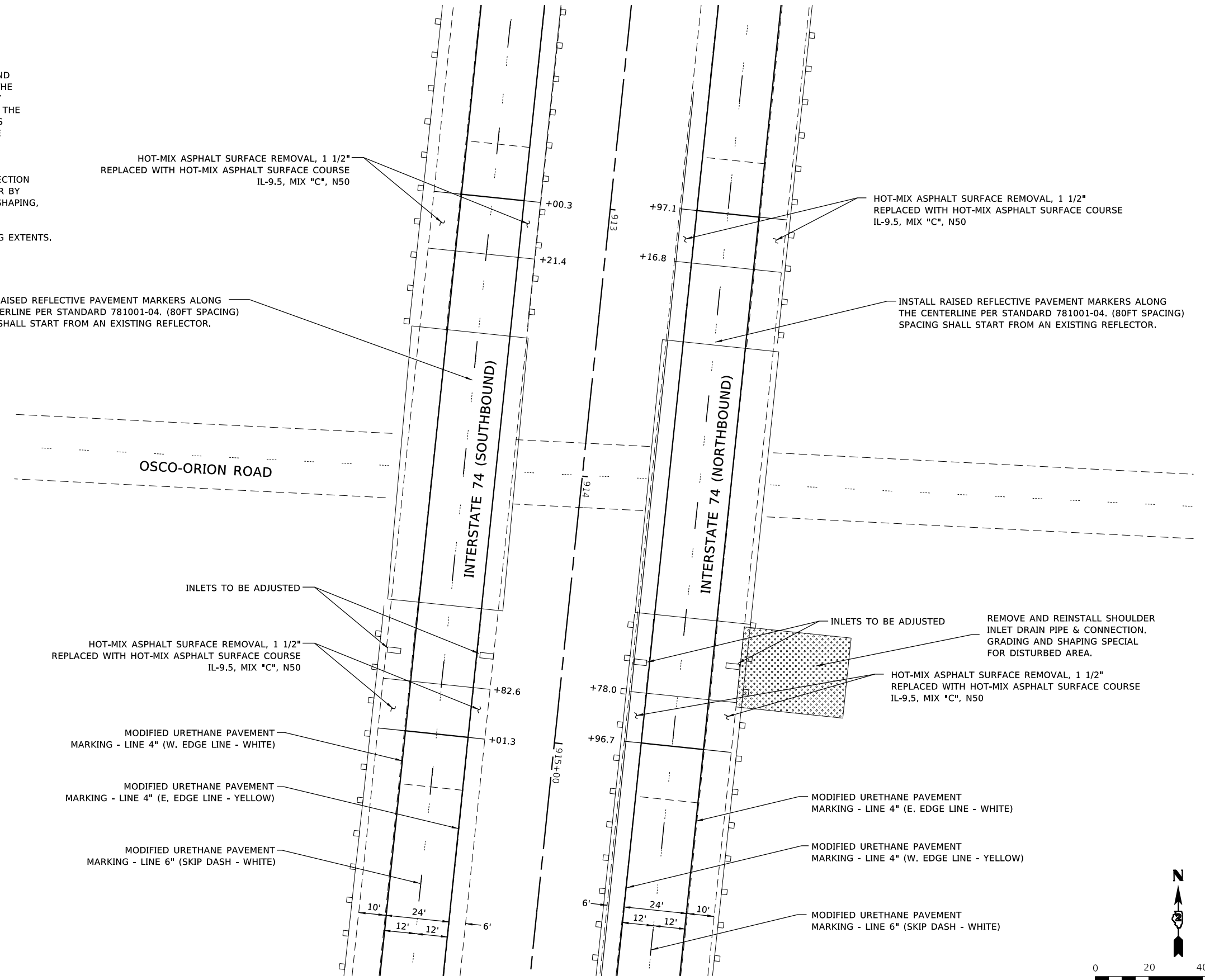
TRAFFIC CONTROL PLAN - STAGE II

SCALE 1 : 100 SHEET 4 OF 4 SHEETS STA. 921+00.00 TO STA. 935+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	10
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				

GENERAL NOTES:

- 1) RE-CONNECT DRAIN PIPE TO EXISTING INLET. REMOVE AND REPLACE APPROXIMATELY 3' OF THE PIPE DRAIN, UP TO THE ELBOW, AND REPLACE WITH 3'-6" OF DRAIN PIPE. VERIFY LENGTH AND PIPE MATERIAL IN THE FIELD, TO COMPLETE THE CONNECTION, PER STANDARD 610001-08. ALL MATERIALS AND LABOR ARE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH FOR REMOVE AND REINSTALL SHOULDER INLET DRAIN PIPE & CONNECTION.
- 2) EXISTING GROUND DISTURBED BY THE DRAIN PIPE CONNECTION WILL BE RE-GRADED, SEEDED AND BLANKETED. PAID FOR BY THE CONTACT UNIT PRICE PER SQ YD OF GRADING AND SHAPING, SPECIAL.
- 3) REFER TO QUANTITY SCHEDULES FOR PAVEMENT MARKING EXTENTS.



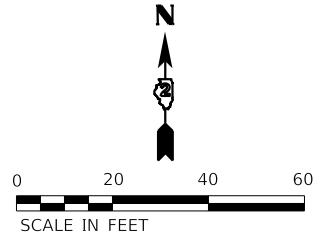
INSTALL RAISED REFLECTIVE PAVEMENT MARKERS ALONG THE CENTERLINE PER STANDARD 781001-04. (80FT SPACING) SPACING SHALL START FROM AN EXISTING REFLECTOR.

INSTALL RAISED REFLECTIVE PAVEMENT MARKERS ALONG THE CENTERLINE PER STANDARD 781001-04. (80FT SPACING) SPACING SHALL START FROM AN EXISTING REFLECTOR.

INLETS TO BE ADJUSTED

INLETS TO BE ADJUSTED

REMOVE AND REINSTALL SHOULDER INLET DRAIN PIPE & CONNECTION. GRADING AND SHAPING SPECIAL FOR DISTURBED AREA.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESTORATION & PAVEMENT MARKING PLAN	
SCALE 1" = 20'-0"	SHEET 1 OF 1 SHEETS
STA. 912+24	TO STA. 915+85

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	11
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				

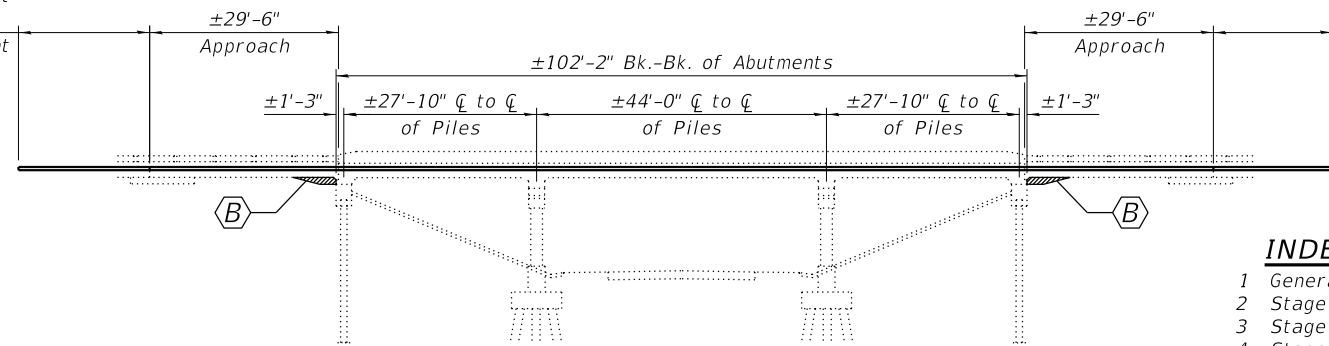
EXISTING STRUCTURES: SN 037-0009 (SB) & 037-0010 (NB): Originally built in 1965 and rehabilitated in 1997 as a three span (±27'-10"; ±44'-0", ±27'-10") reinforced concrete slab bridge with open abutments and multi-column piers. Structures to be repaired as detailed in these plans. Stage construction will be used to maintain traffic.

BENCH MARK #WHA1: Disk in concrete 14.53' Rt. of Sta. 915+82.18, El. 795.30

No salvage.

±19'-8" Pavement Connector (N.B.)
±21'-3" Pavement Connector (S.B.)

±18'-8" Pavement Connector (N.B.)
±18'-8" Pavement Connector (S.B.)

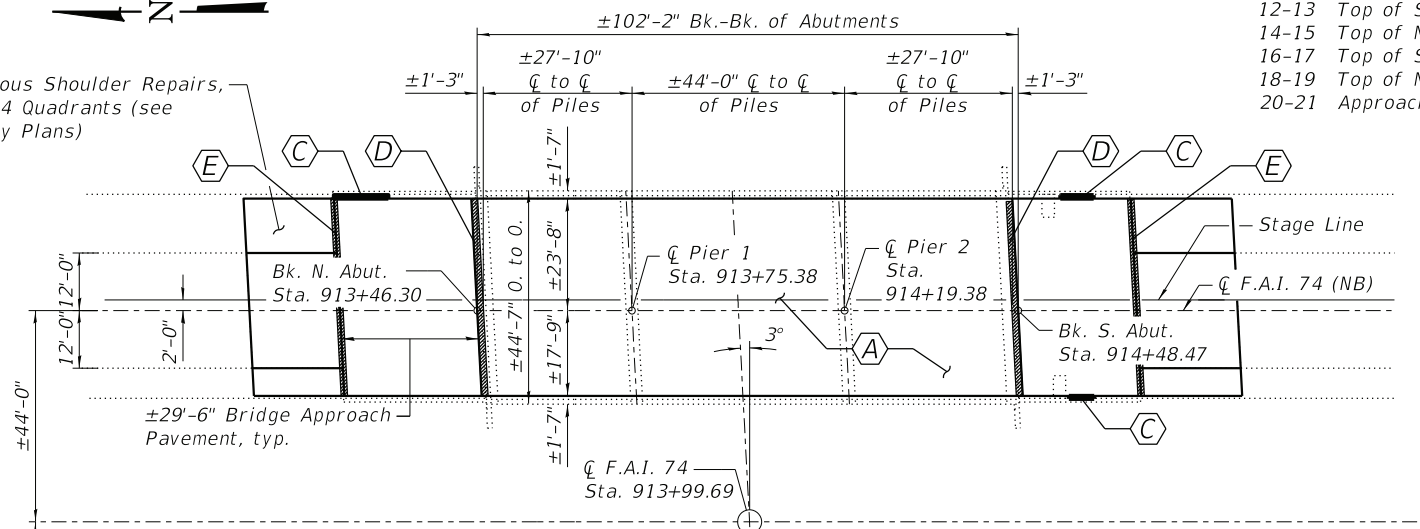


N. ABUT. PIER 1 PIER 2 S. ABUT.
ELEVATION VIEW

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 Stage Construction Details - Bridge
- 3 Stage Construction Details - Approach Slab
- 4 Stage Construction Details - Pavement Connector
- 5 Temporary Concrete Barrier for Stage Construction
- 6 Overlay Plan
- 7 Overlay Details - Bridge Deck
- 8 Overlay Details - Approach Slab
- 9 Overlay Details - Pavement Connector
- 10-11 Top of Slab Elevations
- 12-13 Top of South Approach Slab Elevations
- 14-15 Top of North Approach Slab Elevations
- 16-17 Top of South Pavement Connector Elevations
- 18-19 Top of North Pavement Connector Elevations
- 20-21 Approach Slab Repair Details

Bituminous Shoulder Repairs, typ. at 4 Quadrants (see Roadway Plans)



PLAN VIEW

Bituminous Shoulder Repairs, typ. at 4 Quadrants (see Roadway Plans)

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)

FIELD UNITS (EXISTING CONSTRUCTION)

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HS20-44

Existing and Proposed

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges - LFD



PROFILE GRADE - SOUTHBOUND

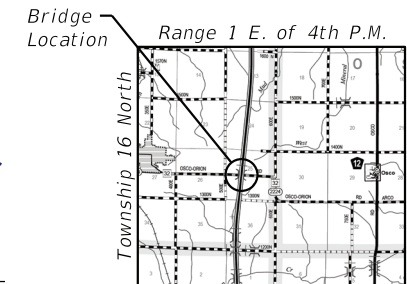
Along Roadway C/L

PROFILE GRADE - NORTHBOUND

Along Roadway C/L

SCOPE OF WORK:

- (A) Install new Latex Concrete Overlay on the bridge deck, approach pavement and pavement connector. See Structural sheets 2 - 19 for details.
- (B) Approach Slab Undermining Details, See Structural Sheets 20 & 21 of 21 for details.
- (C) Approach Slab Curb Repairs, See Structural Sheets 6, 20 & 21 of 21 for details.
- (D) Approach Slab Partial Removal and Repair, See Structural Sheets 20 & 21 of 21 for details.
- (E) Remove existing expansion joints and at ends of approach slabs install new preformed pavement joint seal. See Structural Sheets 20 & 21 of 21 for details.



LOCATION MAP

GENERAL PLAN AND ELEVATION
INTERSTATE 74 OVER
OSCO-ORION ROAD
F.A.I. ROUTE 74 - SECTION 37-3HB
HENRY COUNTY
STATION 913+99.69
STRUCTURE NO. 037-0009 (SB)
STRUCTURE NO. 037-0010 (NB)



DATE: 9/17/20
EXPIRES 11/30/20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WHA# 1427D18		CONTRACT NO. 64P50		

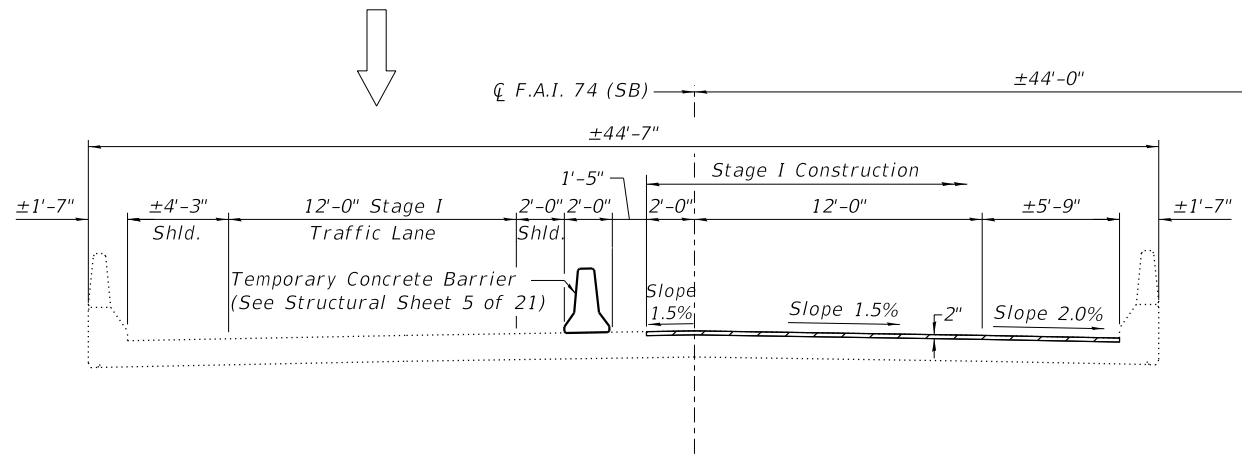
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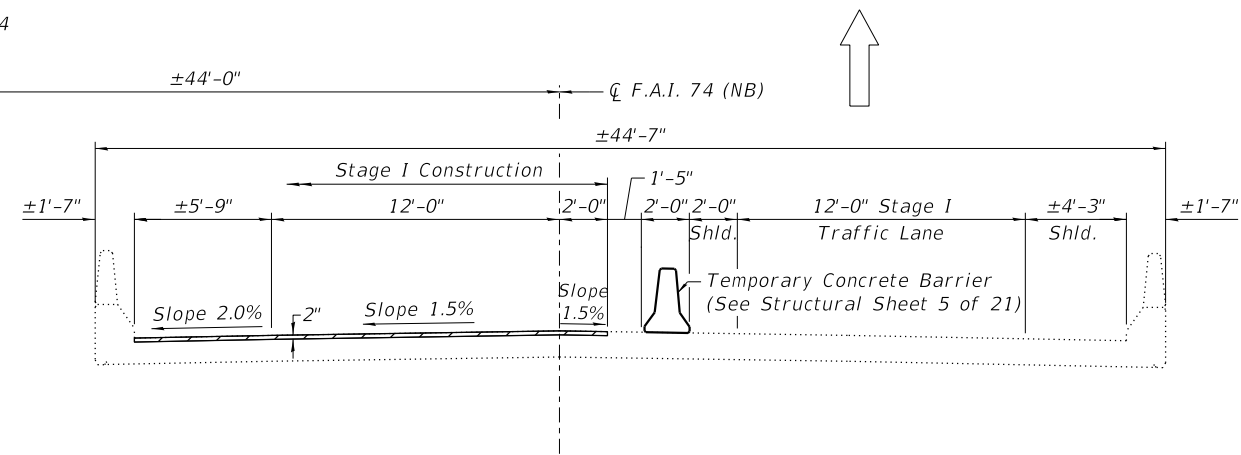
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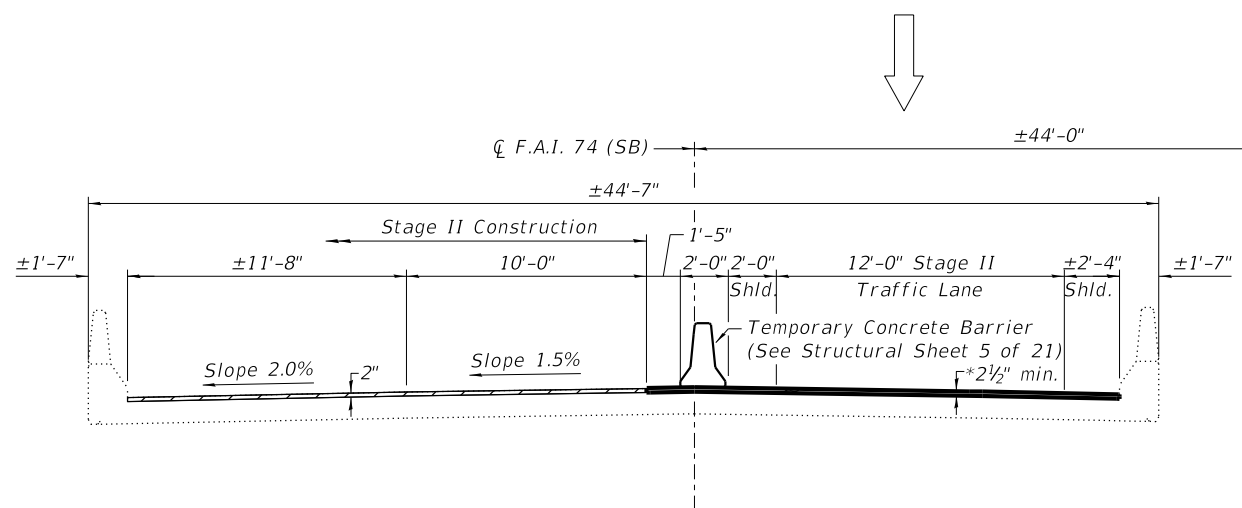
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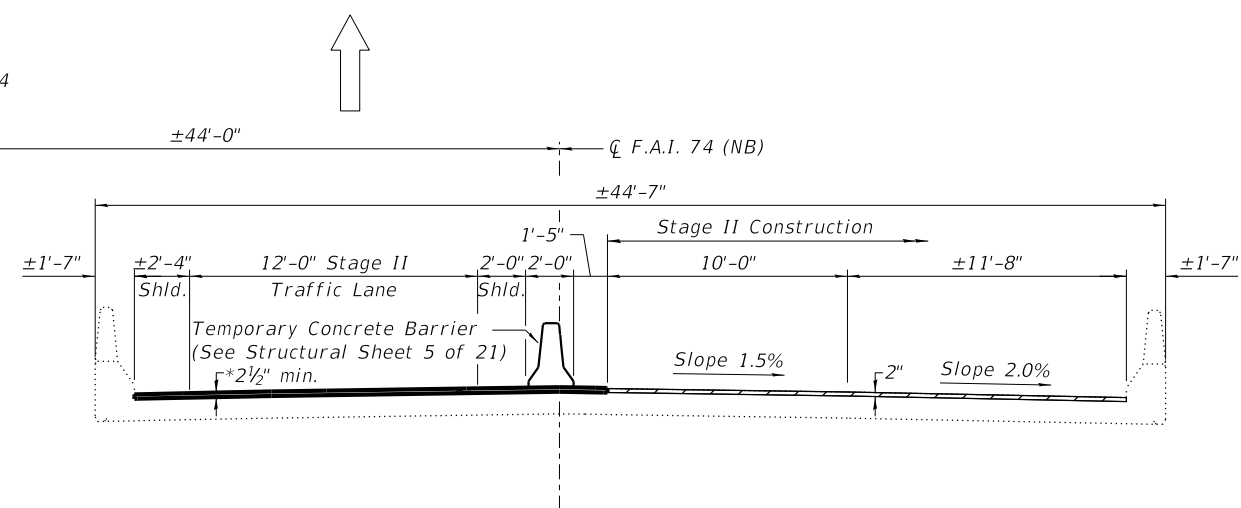
NORTHBOUND DECK CROSS SECTION - STAGE I
(Looking South - Upstation)



SOUTHBOUND DECK CROSS SECTION - STAGE I
(Looking South - Upstation)



NORTHBOUND DECK CROSS SECTION - STAGE II
(Looking South - Upstation)



SOUTHBOUND DECK CROSS SECTION - STAGE II
(Looking South - Upstation)

LEGEND



NOTES:

- *Bridge Deck Latex Concrete Overlay, 2 1/2" does not include Diamond Grinding (Bridge Section) of 1/4".
- See Structural Sheet 6 of 21 for overlay limits and Bill of Material.
- See Structural Sheet 7 of 21 for overlay details.
- See Structural Sheet 10-11 of 21 for Top of Slab Elevations.

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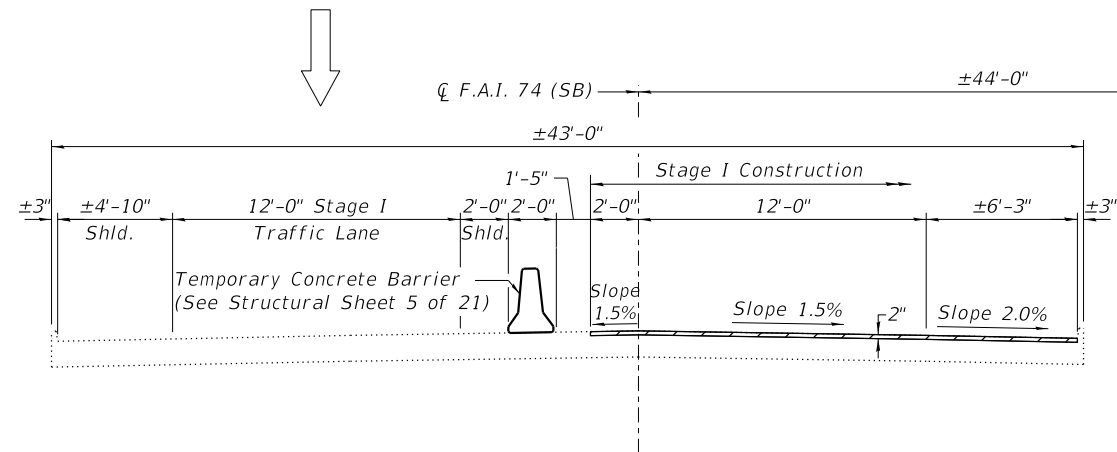
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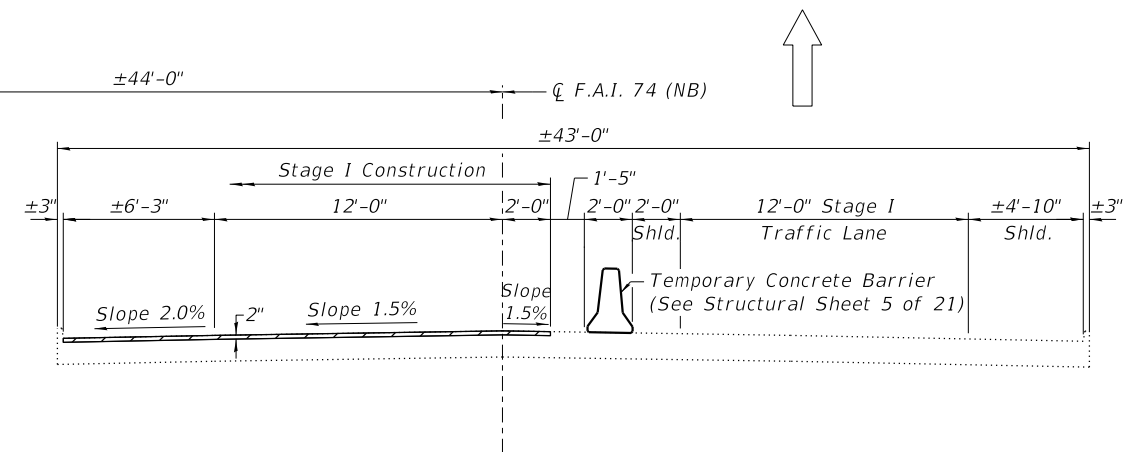
**STAGE CONSTRUCTION DETAILS - BRIDGE
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)**

STRUCTURAL SHEET 2 OF 21 SHEETS

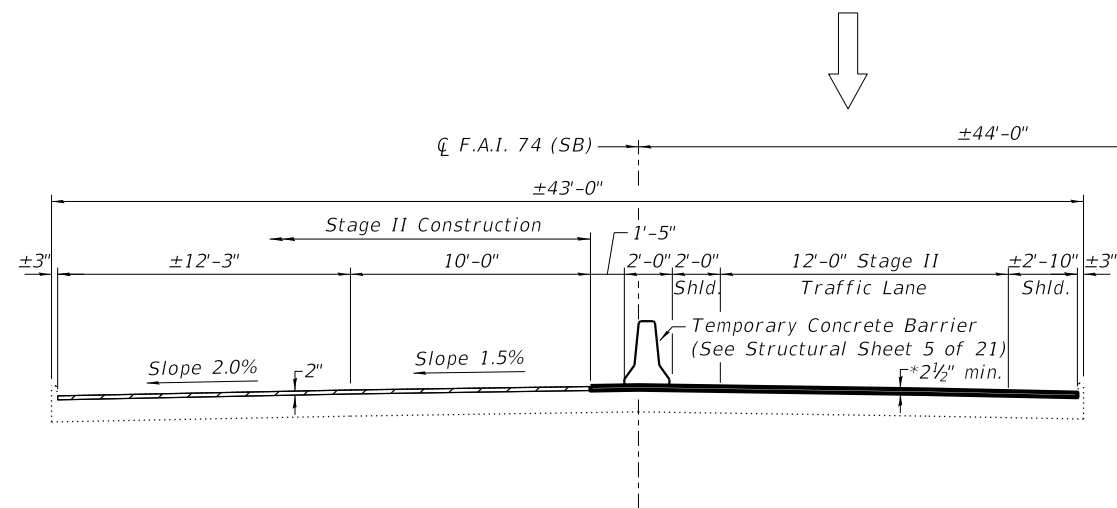
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WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				



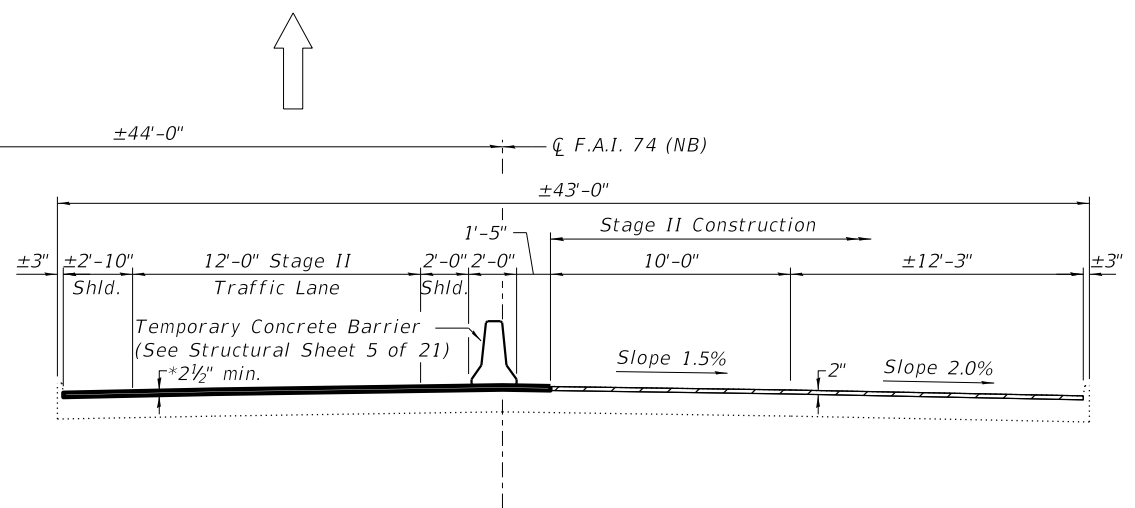
NORTHBOUND CROSS SECTION - STAGE I
(Looking South - Upstation)



SOUTHBOUND CROSS SECTION - STAGE I
(Looking South - Upstation)



NORTHBOUND CROSS SECTION - STAGE II
(Looking South - Upstation)



SOUTHBOUND CROSS SECTION - STAGE II
(Looking South - Upstation)

LEGEND



Bridge Approach Slab Scarification 2"

NOTES:

*Bridge Deck Latex Concrete Latex Overlay, 2 1/2" does not include Diamond Grinding (Bridge Section) of 1/4".

See Structural Sheet 6 of 21 for overlay limits and Bill of Material.

See Structural Sheet 8 of 21 for overlay details.

See Structural Sheet 12-15 of 21 for Top of Approach Slab Elevations.

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PLOT DATE = 8/3/2020
CHECKED - BKC
REVISED -

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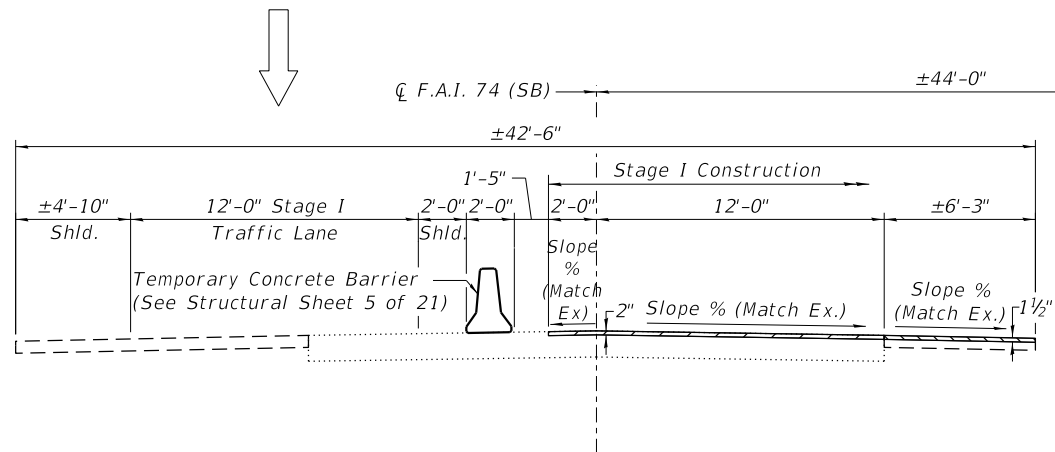
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS - APPROACH SLAB
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)

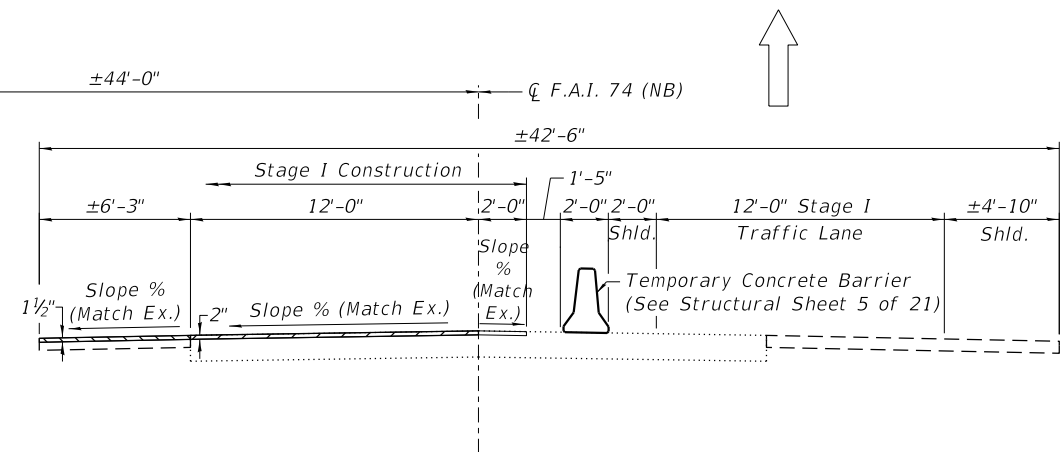
STRUCTURAL SHEET 3 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WHA# 1427D18			CONTRACT NO. 64P50	

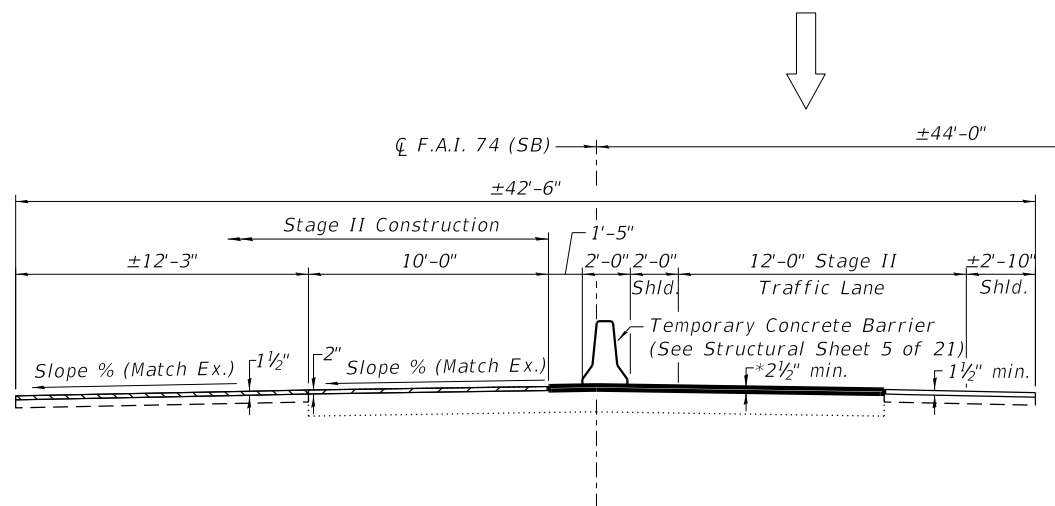
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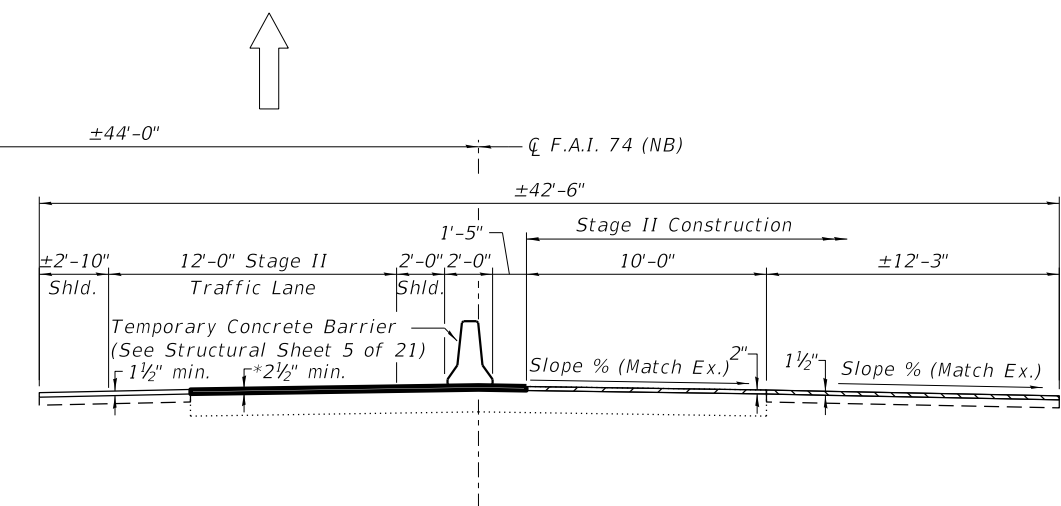
NORTHBOUND CROSS SECTION - STAGE I
(Looking South - Upstation)



SOUTHBOUND CROSS SECTION - STAGE I
(Looking South - Upstation)



NORTHBOUND CROSS SECTION - STAGE II
(Looking South - Upstation)



SOUTHBOUND CROSS SECTION - STAGE II
(Looking South - Upstation)

LEGEND

- Pavement Connector Scarification 2"
- Hot-Mix Asphalt Removal, 1 1/2"

NOTES:

- *Bridge Deck Latex Concrete Latex Overlay, 2 1/2" does not include Diamond Grinding (Bridge Section) of 1/4".
- See Structural Sheet 6 of 21 for overlay limits and Bill of Material.
- See Structural Sheet 9 of 21 for proposed Hot-Mix Asphalt Shoulders & overlay details.
- See Structural Sheet 16-19 of 21 for Top of Pavement Connector Elevations.

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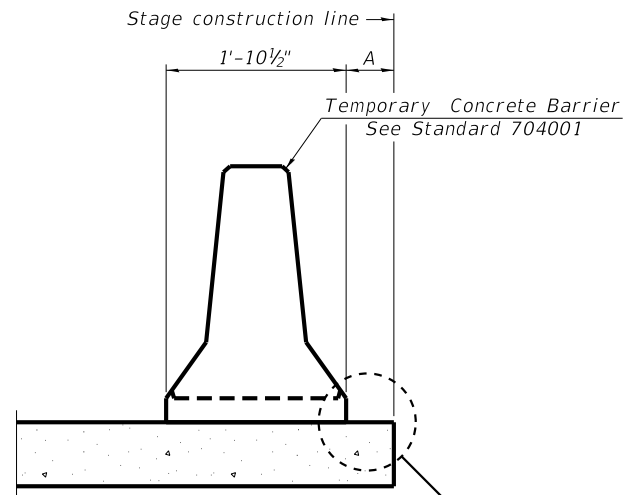
WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - PV	REVISED -
	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

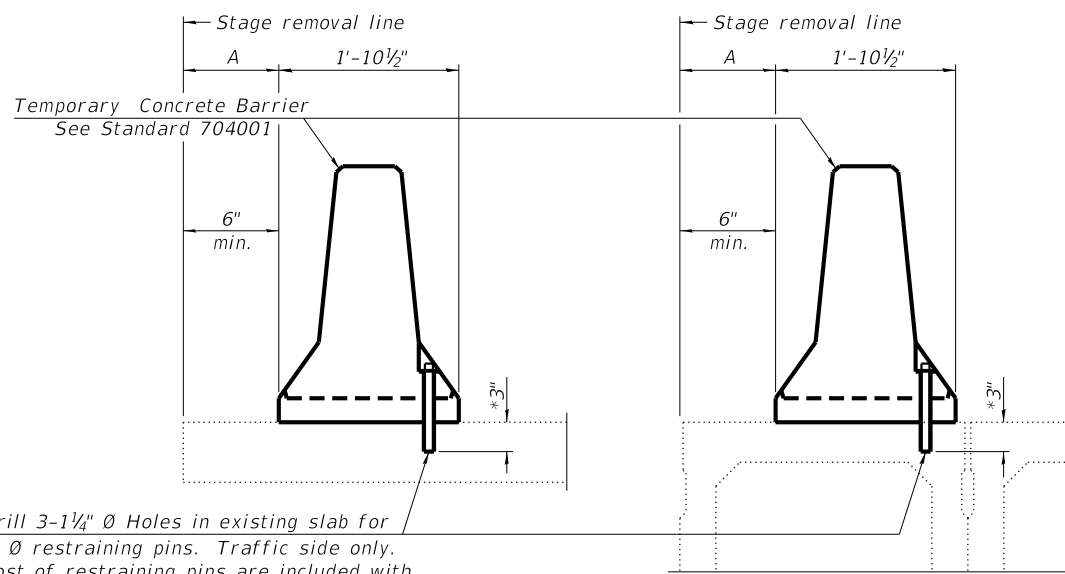
**STAGE CONSTRUCTION DETAILS - PAVEMENT CONNECTOR
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)**

F.A.I. RTE. 74	SECTION 37-3HB	COUNTY HENRY	TOTAL SHEETS 39	SHEET NO. 15
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

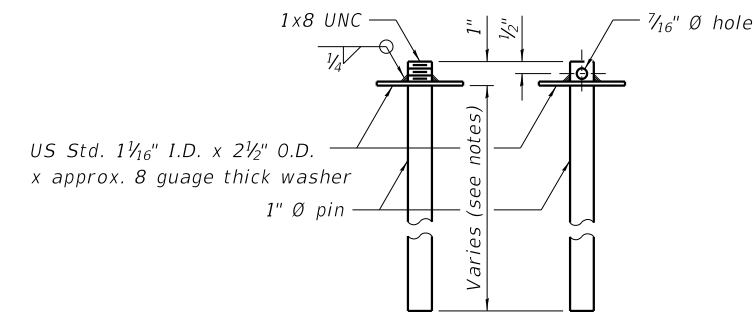
NEW SLAB OR NEW DECK BEAM



Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

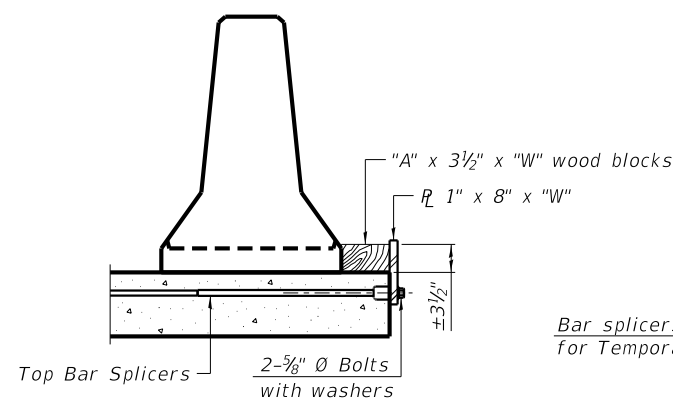
EXISTING DECK BEAM



RESTRAINING PIN

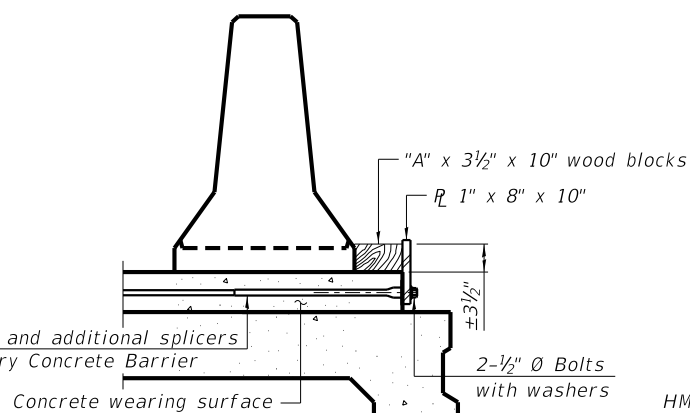
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

SECTIONS THRU SLAB OR DECK BEAM

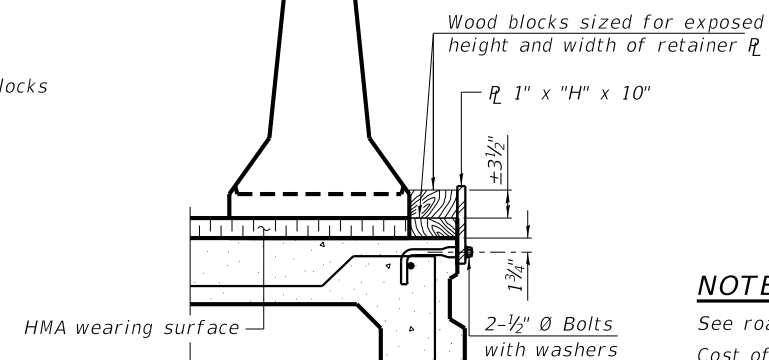


DETAIL I

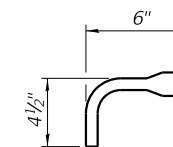
Bar splicers and additional splicers for Temporary Concrete Barrier



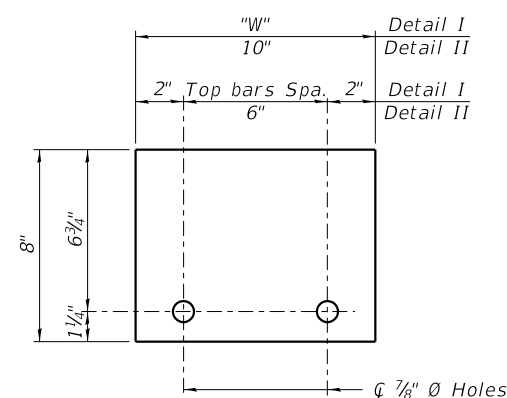
DETAIL II



DETAIL III

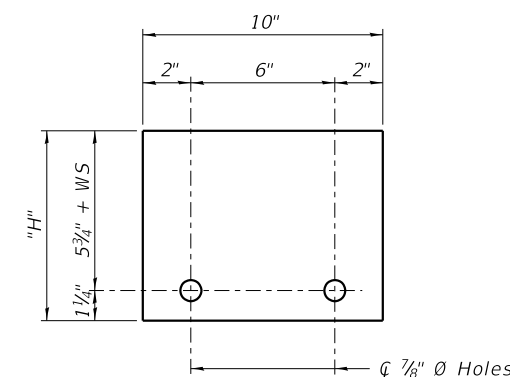


BAR SPICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"

(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"

(Detail III)

NOTES:

See roadway plans for Temporary Concrete Barrier Schedule of Quantities. Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate center of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

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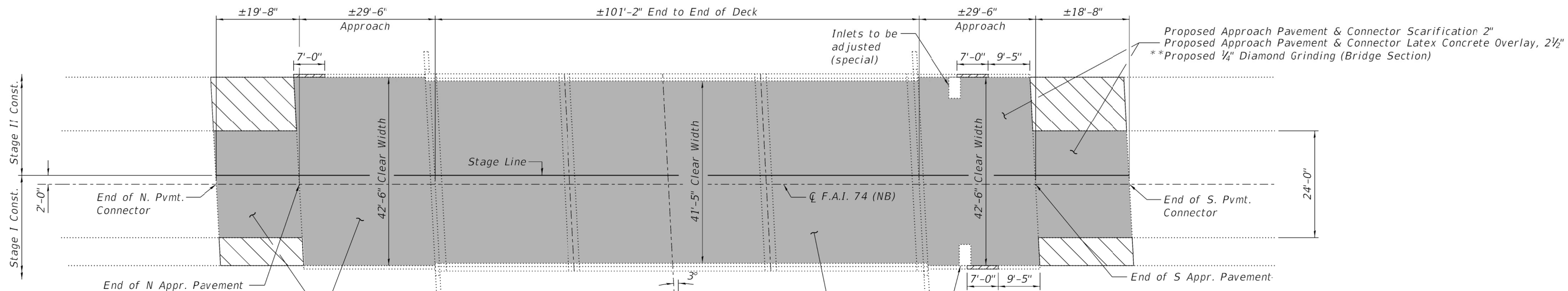
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PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)

STRUCTURAL SHEET 5 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	16
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHP-6A7(410)				

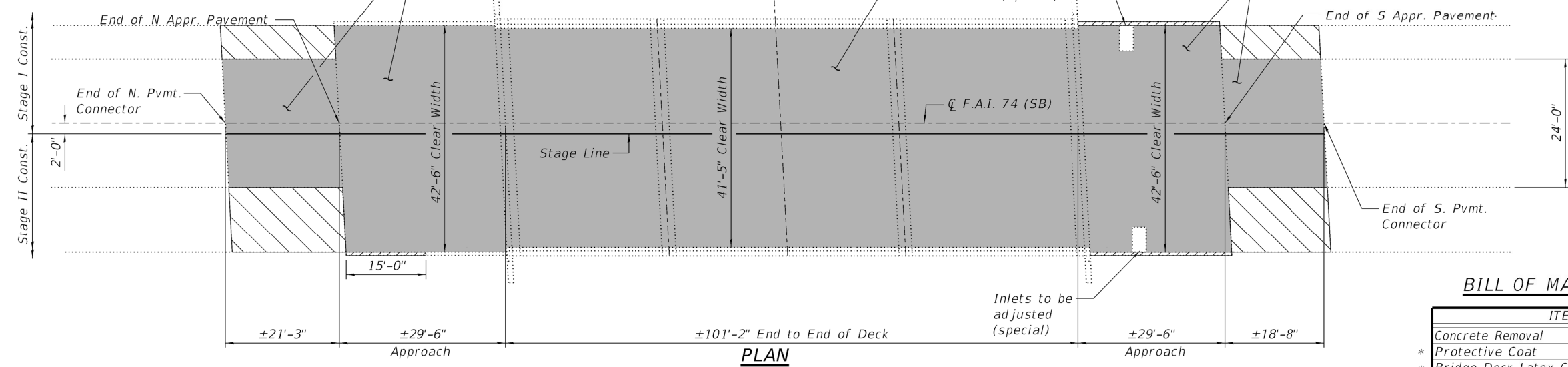


Proposed Approach Pavement & Connector Scarification 2"
 Proposed Approach Pavement & Connector Latex Concrete Overlay, 2½"
 ** Proposed ¼" Diamond Grinding (Bridge Section)

Proposed Bridge Deck Scarification 2"
 Proposed Bridge Deck Latex Concrete Overlay, 2½"
 ** Proposed ¼" Diamond Grinding (Bridge Section)

Proposed Approach Pavement & Connector Scarification 2"
 Proposed Approach Pavement & Connector Latex Concrete Overlay, 2½"
 ** Proposed ¼" Diamond Grinding (Bridge Section)

Proposed Approach Pavement & Connector Scarification 2"
 Proposed Approach Pavement & Connector Latex Concrete Overlay, 2½"
 ** Proposed ¼" Diamond Grinding (Bridge Section)



PLAN

NOTES:

- See Structural Sheets 7 of 21 for bridge deck overlay details.
- See Structural Sheets 8 of 21 for approach slab overlay details.
- See Structural Sheets 9 of 21 for pavement connector overlay details.
- Limits of Bridge Deck Grooving (Longitudinal) shall be out to out of driving lanes only.
- * Includes Bridge Deck, Bridge Approach Pavement and Connector Pavement on each side of the bridge.
- ** Limits of Diamond Grinding shall be face to face of parapet or curb minus 4'-0".
- *** See Structural Sheets 20 & 21 of 21 for limits of concrete removal at approach slab.

BILL OF MATERIAL - NORTHBOUND

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	0.1
* Protective Coat	Sq. Yd.	846
* Bridge Deck Latex Concrete Overlay 2½"	Sq. Yd.	844
* Bridge Deck Scarification 2"	Sq. Yd.	844
* Diamond Grinding (Bridge Section)	Sq. Yd.	773
* Bridge Deck Grooving (Longitudinal)	Sq. Yd.	529

BILL OF MATERIAL - SOUTHBOUND

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	0.3
* Protective Coat	Sq. Yd.	855
* Bridge Deck Latex Concrete Overlay 2½"	Sq. Yd.	848
* Bridge Deck Scarification 2"	Sq. Yd.	848
* Diamond Grinding (Bridge Section)	Sq. Yd.	777
* Bridge Deck Grooving (Longitudinal)	Sq. Yd.	534

LEGEND

- Concrete Removal ***
- Bituminous Shoulder Repairs (see Roadway Plans for Schedule of Quantities)

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WILLETT HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME = satyam	DESIGNED - SM	REVISED -
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PLOT DATE = 9/16/2020	DRAWN - PV	REVISED -
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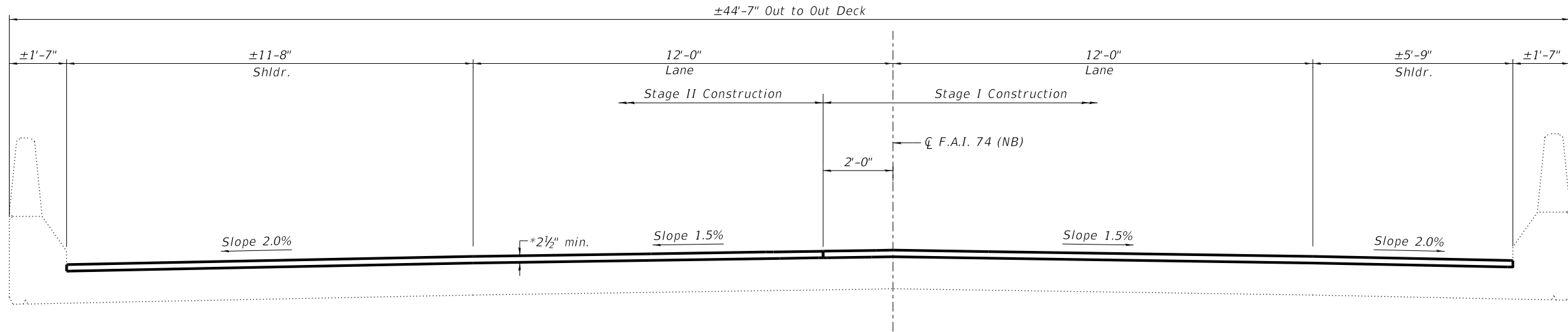
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERLAY PLAN
 STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)**

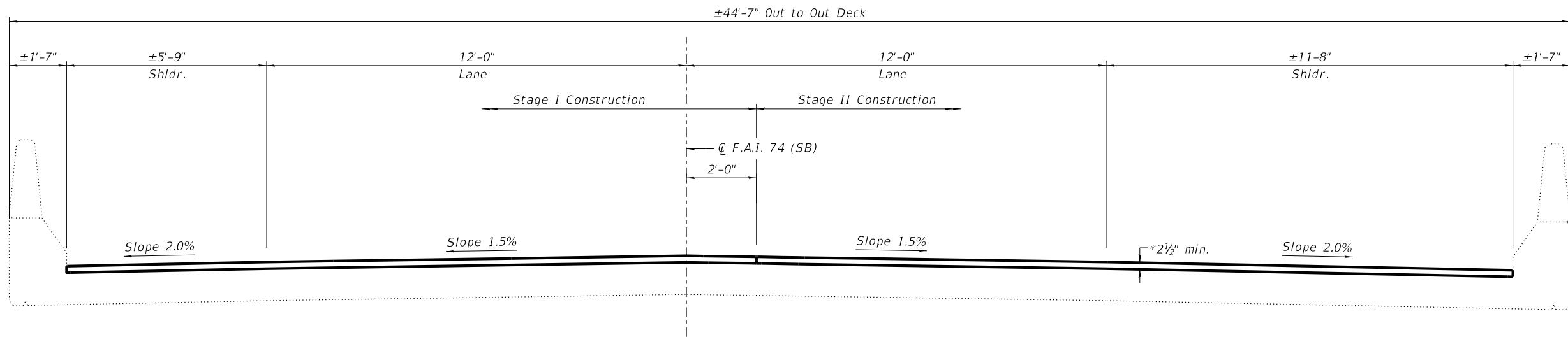
STRUCTURAL SHEET 6 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	17
WHA# 1427D18		CONTRACT NO. 64P50		

ILLINOIS FED. AID PROJECT NHPP-96A7(410)



NORTHBOUND CROSS SECTION
(Looking South)



SOUTHBOUND CROSS SECTION
(Looking South)

NOTES:

*Bridge Deck Latex Concrete Overlay, 2½" does not include Diamond Grinding (Bridge Section) of ¼".

See Structural Sheet 2 of 21 for Stage Construction Details.

See Structural Sheet 6 of 21 for overlay limits and Bill of Material.

See Structural Sheet 10-11 of 21 for Top of Slab Elevations.

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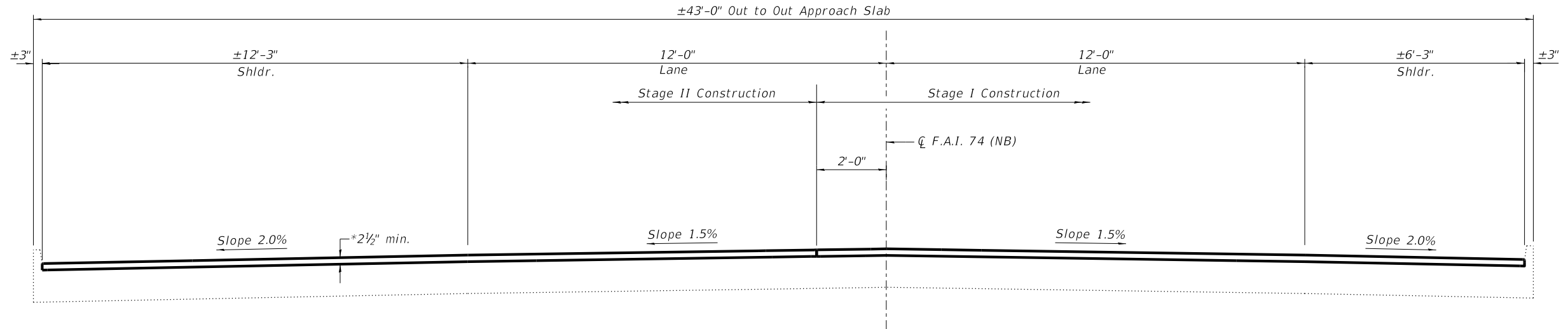
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERLAY DETAILS - BRIDGE DECK
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)

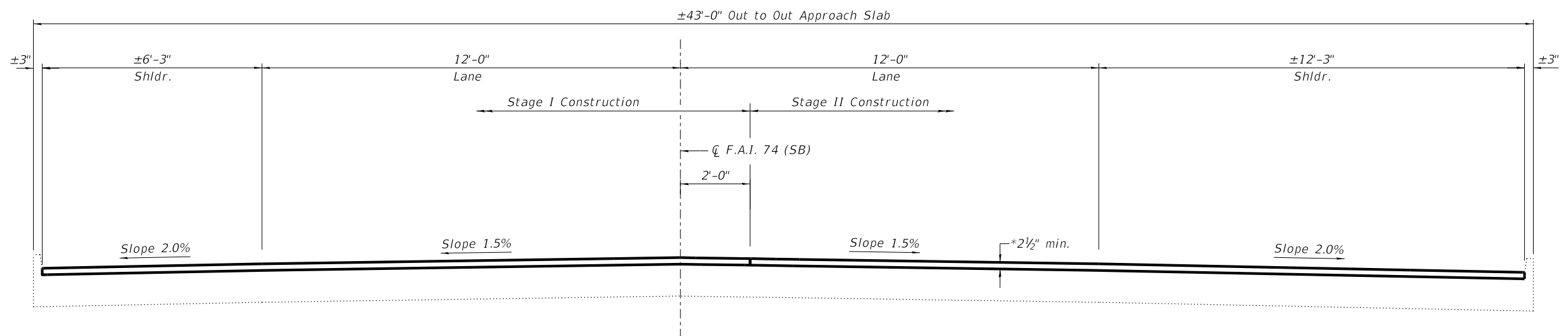
STRUCTURAL SHEET 7 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	18
WHA# 1427D18			CONTRACT NO. 64P50	

ILLINOIS FED. AID PROJECT NHPP-56A7(410)



NORTHBOUND CROSS SECTION
(Looking South)



SOUTHBOUND CROSS SECTION
(Looking South)

NOTES:

- *Bridge Deck Latex Concrete Overlay, 2 1/2" does not include Diamond Grinding (Bridge Section) of 1/4".
- See Structural Sheet 3 of 21 for Stage Construction Details.
- See Structural Sheet 6 of 21 for overlay limits and Bill of Material.
- See Structural Sheet 12-15 of 21 for Top of Approach Slab Elevations.

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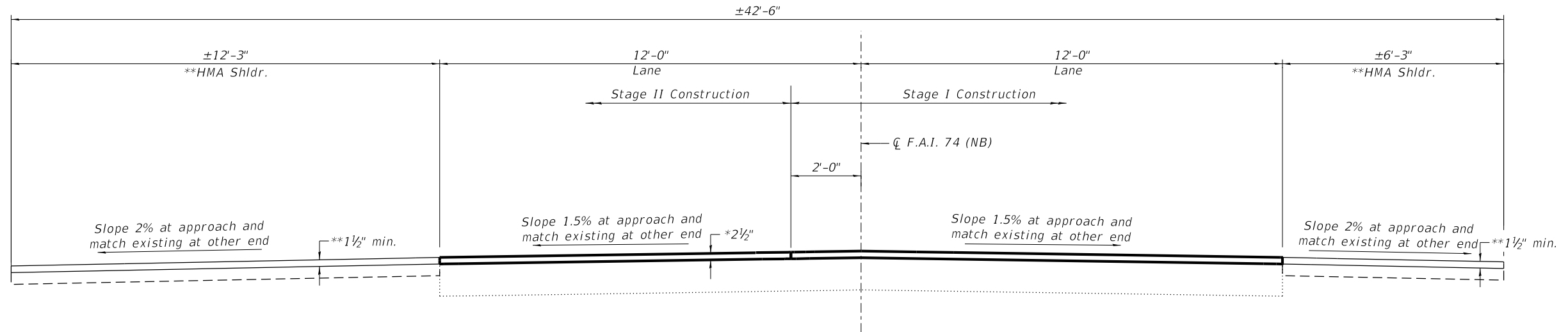
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERLAY DETAILS - APPROACH SLAB
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)**

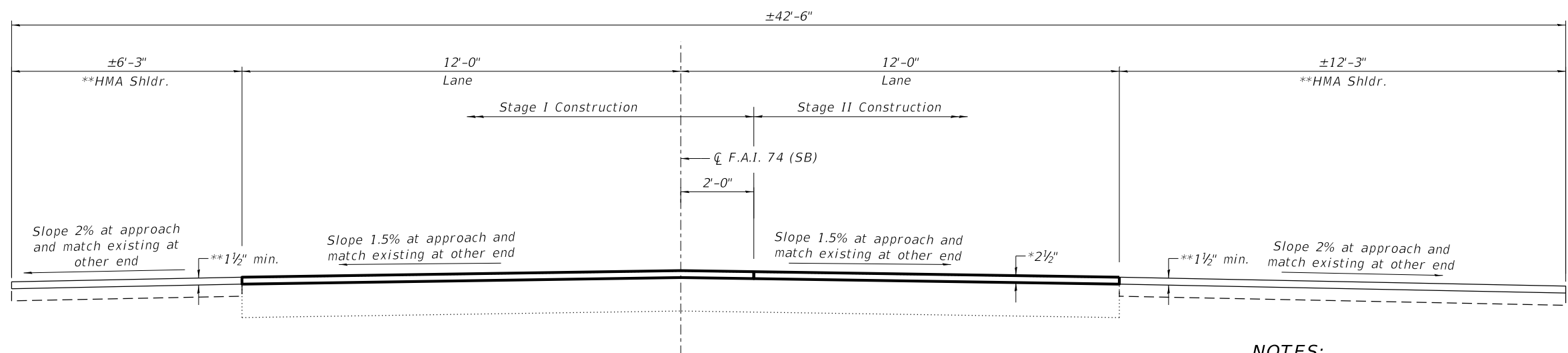
STRUCTURAL SHEET 8 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	19
WHA# 1427D18		CONTRACT NO. 64P50		

ILLINOIS FED. AID PROJECT NHPP-86A7(410)



NORTHBOUND CROSS SECTION
(Looking South)



SOUTHBOUND CROSS SECTION
(Looking South)

NOTES:

*Bridge Deck Latex Concrete Overlay, 2½" does not include Diamond Grinding (Bridge Section) of ¼". 2½" overlay thickness shall be varied to 2¼" at both ends of the project to match the existing roadway.

**Existing Hot-Mix Asphalt Shoulders shall be milled to a depth of 1½", and be replaced with Hot-Mix Asphalt Shoulders. The depth of the replacement varies from 1½" to 1¾" to match the bridge approach slab. See roadway plans for Hot-Mix Asphalt Removal, 1½" and Hot-Mix Asphalt Shoulders Schedule of Quantities.

See Structural Sheet 4 of 21 for Stage Construction Details.

See Structural Sheet 6 of 21 for overlay and shoulder repair limits and Bill of Material.

See Structural Sheet 16-19 of 21 for Top of Approach Slab Elevations.

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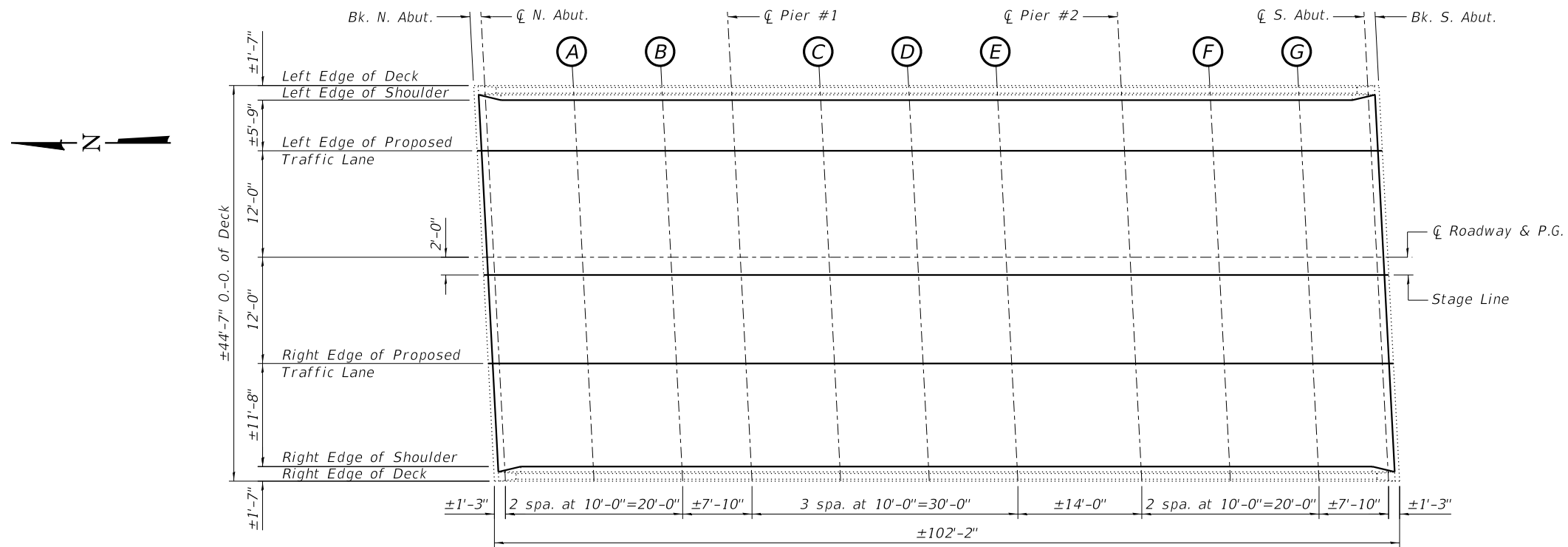


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERLAY DETAILS - PAVEMENT CONNECTOR
STRUCTURE NO. 037-0009 (SB) & 037-0010 (NB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	20
WHA# 1427D18			CONTRACT NO. 64P50	



PLAN VIEW

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+49.98	±17.75	800.14
Cl N. Abut.	913+51.23	±17.75	800.13
A	913+61.23	±17.75	800.02
B	913+71.23	±17.75	799.90
Cl Pier #1	913+79.07	±17.75	799.82
C	913+89.07	±17.75	799.70
D	913+99.07	±17.75	799.59
E	914+09.07	±17.75	799.47
Cl Pier #2	914+23.07	±17.75	799.32
F	914+33.07	±17.75	799.20
G	914+43.07	±17.75	799.09
Cl S. Abut.	914+50.90	±17.75	799.00
Bk. of S. Abut.	914+52.15	±17.75	798.99

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+50.28	12.00	800.25
Cl N. Abut.	913+51.53	12.00	800.24
A	913+61.53	12.00	800.13
B	913+71.53	12.00	800.02
Cl Pier #1	913+79.37	12.00	799.93
C	913+89.37	12.00	799.81
D	913+99.37	12.00	799.70
E	914+09.37	12.00	799.59
Cl Pier #2	914+23.37	12.00	799.43
F	914+33.37	12.00	799.31
G	914+43.37	12.00	799.20
Cl S. Abut.	914+51.20	12.00	799.11
Bk. of S. Abut.	914+52.45	12.00	799.10

Cl OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
Bk. of N. Abut.	913+50.91	0.00	800.43
Cl N. Abut.	913+52.16	0.00	800.42
A	913+62.16	0.00	800.30
B	913+72.16	0.00	800.19
Cl Pier #1	913+80.00	0.00	800.10
C	913+90.00	0.00	799.99
D	914+00.00	0.00	799.87
E	914+10.00	0.00	799.76
Cl Pier #2	914+24.00	0.00	799.60
F	914+34.00	0.00	799.49
G	914+44.00	0.00	799.37
Cl S. Abut.	914+51.83	0.00	799.28
Bk. of S. Abut.	914+53.08	0.00	799.27

STAGE LINE

Location	Station	Offset Rt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+51.02	2.00	800.40
Cl N. Abut.	913+52.27	2.00	800.38
A	913+62.27	2.00	800.27
B	913+72.27	2.00	800.16
Cl Pier #1	913+80.10	2.00	800.07
C	913+90.10	2.00	799.96
D	914+00.10	2.00	799.84
E	914+10.10	2.00	799.73
Cl Pier #2	914+24.10	2.00	799.57
F	914+34.10	2.00	799.46
G	914+44.10	2.00	799.34
Cl S. Abut.	914+51.93	2.00	799.25
Bk. of S. Abut.	914+53.18	2.00	799.24

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+51.54	12.00	800.24
Cl N. Abut.	913+52.79	12.00	800.23
A	913+62.79	12.00	800.12
B	913+72.79	12.00	800.00
Cl Pier #1	913+80.62	12.00	799.91
C	913+90.62	12.00	799.80
D	914+00.62	12.00	799.69
E	914+10.62	12.00	799.57
Cl Pier #2	914+24.62	12.00	799.41
F	914+34.62	12.00	799.30
G	914+44.62	12.00	799.19
Cl S. Abut.	914+52.46	12.00	799.10
Bk. of S. Abut.	914+53.71	12.00	799.08

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+52.15	±23.67	800.00
Cl N. Abut.	913+53.40	±23.67	799.99
A	913+63.40	±23.67	799.87
B	913+73.40	±23.67	799.76
Cl Pier #1	913+81.24	±23.67	799.67
C	913+91.24	±23.67	799.56
D	914+01.24	±23.67	799.45
E	914+11.24	±23.67	799.33
Cl Pier #2	914+25.24	±23.67	799.17
F	914+35.24	±23.67	799.06
G	914+45.24	±23.67	798.95
Cl S. Abut.	914+53.07	±23.67	798.86
Bk. of S. Abut.	914+54.32	±23.67	798.84

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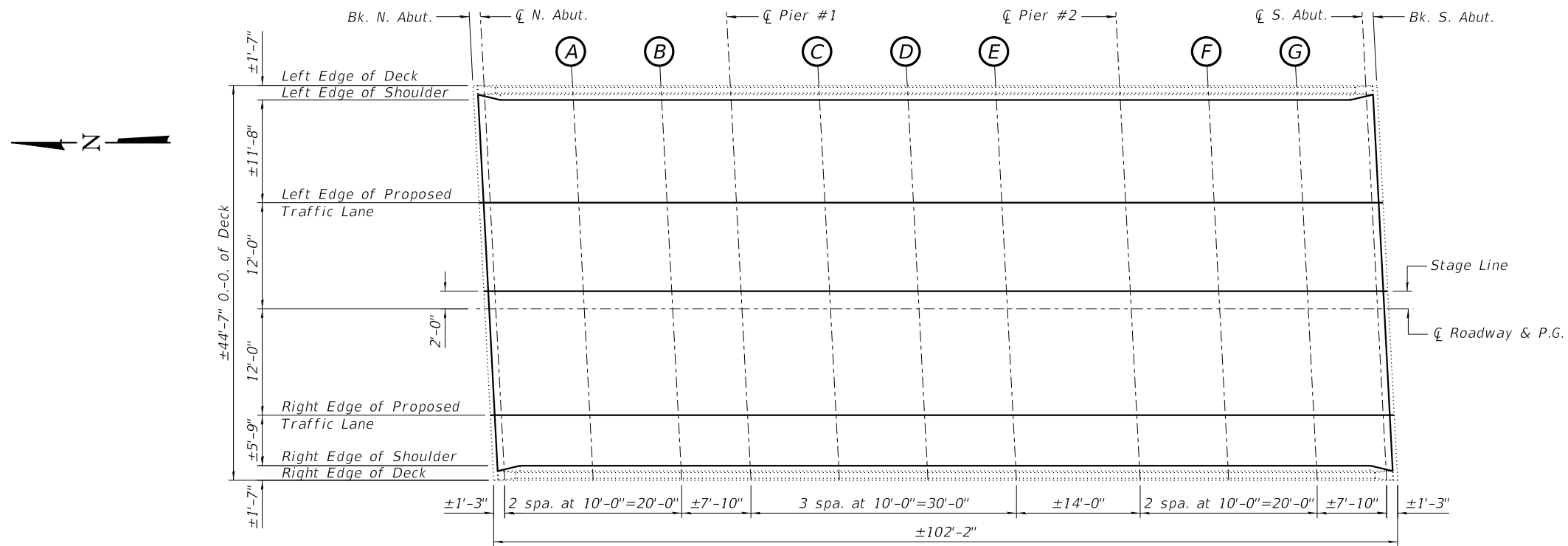
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 037-0009 (SB)

STRUCTURAL SHEET 10 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	21
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-56A7(410)				



PLAN VIEW

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+45.06	±23.67	800.10
☐ N. Abut.	913+46.31	±23.67	800.08
A	913+56.31	±23.67	799.96
B	913+66.31	±23.67	799.85
☐ Pier #1	913+74.14	±23.67	799.76
C	913+84.14	±23.67	799.64
D	913+94.14	±23.67	799.52
E	914+04.14	±23.67	799.41
☐ Pier #2	914+18.14	±23.67	799.25
F	914+28.14	±23.67	799.13
G	914+38.14	±23.67	799.02
☐ S. Abut.	914+45.98	±23.67	798.93
Bk. of S. Abut.	914+47.23	±23.67	798.91

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+45.67	12.00	800.33
☐ N. Abut.	913+46.92	12.00	800.30
A	913+56.92	12.00	800.19
B	913+66.92	12.00	800.07
☐ Pier #1	913+74.76	12.00	799.98
C	913+84.76	12.00	799.87
D	913+94.76	12.00	799.75
E	914+04.76	12.00	799.63
☐ Pier #2	914+18.76	12.00	799.47
F	914+28.76	12.00	799.36
G	914+38.76	12.00	799.24
☐ S. Abut.	914+46.59	12.00	799.15
Bk. of S. Abut.	914+47.84	12.00	799.14

STAGE LINE

Location	Station	Offset Lt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+46.20	2.00	800.47
☐ N. Abut.	913+47.45	2.00	800.45
A	913+57.45	2.00	800.33
B	913+67.45	2.00	800.22
☐ Pier #1	913+75.28	2.00	800.13
C	913+85.28	2.00	800.01
D	913+95.28	2.00	799.89
E	914+05.28	2.00	799.78
☐ Pier #2	914+19.28	2.00	799.62
F	914+29.28	2.00	799.50
G	914+39.28	2.00	799.39
☐ S. Abut.	914+47.11	2.00	799.30
Bk. of S. Abut.	914+48.36	2.00	799.28

☐ OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
Bk. of N. Abut.	913+46.30	0.00	800.50
☐ N. Abut.	913+47.55	0.00	800.48
A	913+57.55	0.00	800.36
B	913+67.55	0.00	800.24
☐ Pier #1	913+75.38	0.00	800.15
C	913+85.38	0.00	800.04
D	913+95.38	0.00	799.92
E	914+05.38	0.00	799.81
☐ Pier #2	914+19.38	0.00	799.65
F	914+29.38	0.00	799.53
G	914+39.38	0.00	799.41
☐ S. Abut.	914+47.22	0.00	799.32
Bk. of S. Abut.	914+48.47	0.00	799.31

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+46.93	12.00	800.30
☐ N. Abut.	913+48.18	12.00	800.29
A	913+58.18	12.00	800.17
B	913+68.18	12.00	800.06
☐ Pier #1	913+76.01	12.00	799.97
C	913+86.01	12.00	799.85
D	913+96.01	12.00	799.74
E	914+06.01	12.00	799.62
☐ Pier #2	914+20.01	12.00	799.46
F	914+30.01	12.00	799.34
G	914+40.01	12.00	799.23
☐ S. Abut.	914+47.85	12.00	799.14
Bk. of S. Abut.	914+49.10	12.00	799.12

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
Bk. of N. Abut.	913+47.23	±17.75	800.18
☐ N. Abut.	913+48.48	±17.75	800.17
A	913+58.48	±17.75	800.05
B	913+68.48	±17.75	799.94
☐ Pier #1	913+76.31	±17.75	799.85
C	913+86.31	±17.75	799.73
D	913+96.31	±17.75	799.62
E	914+06.31	±17.75	799.50
☐ Pier #2	914+20.31	±17.75	799.34
F	914+30.31	±17.75	799.22
G	914+40.31	±17.75	799.11
☐ S. Abut.	914+48.15	±17.75	799.02
Bk. of S. Abut.	914+49.40	±17.75	799.00

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\NO 10\1427018_Top of Slab Elevations (NB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 1/1667' / 1"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - FDL	REVISED -
	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 037-0010 (NB)**

STRUCTURAL SHEET 11 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	22
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-867(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+51.63	±18.25	798.98
B	914+61.63	±18.25	798.86
C	914+71.63	±18.25	798.73
D	914+81.13	±18.25	798.60

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+51.96	12.00	799.10
B	914+61.96	12.00	798.98
C	914+71.96	12.00	798.85
D	914+81.46	12.00	798.72

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	914+52.59	0.00	799.28
B	914+62.59	0.00	799.15
C	914+72.59	0.00	799.01
D	914+82.09	0.00	798.89

STAGE LINE

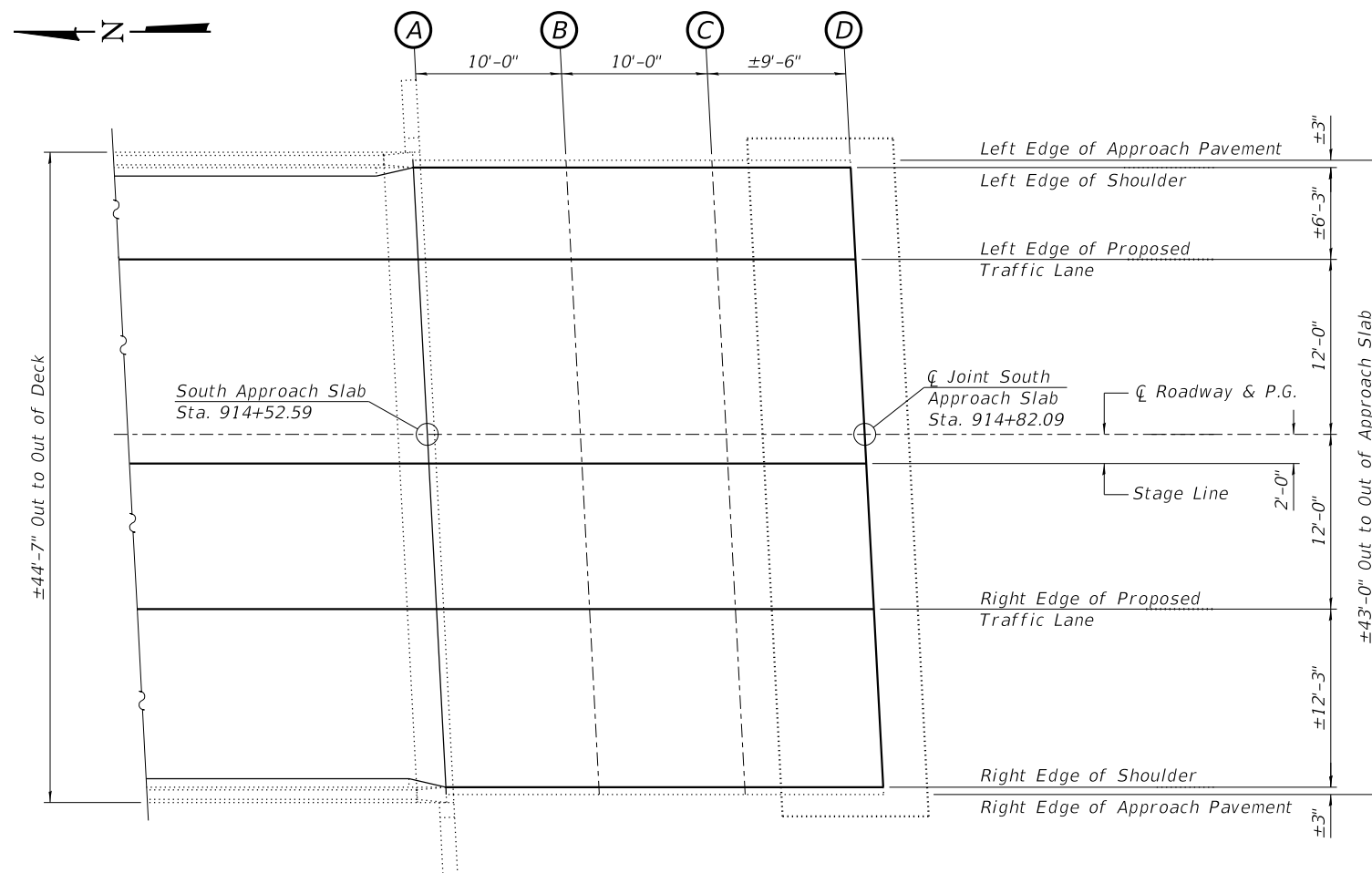
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+52.69	2.00	799.24
B	914+62.69	2.00	799.12
C	914+72.69	2.00	798.99
D	914+82.19	2.00	798.86

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+53.22	12.00	799.09
B	914+63.22	12.00	798.96
C	914+73.22	12.00	798.84
D	914+82.72	12.00	798.70

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+53.86	±24.25	798.83
B	914+63.86	±24.25	798.71
C	914+73.86	±24.25	798.57
D	914+83.36	±24.25	798.45



PLAN VIEW

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18_Top of South Approach Slab Elevations (SB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 2,000' / 1" =	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 037-0009 (SB)**

STRUCTURAL SHEET 12 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	23
WHA# 1427D18		CONTRACT NO. 64P50		

ILLINOIS FED. AID PROJECT NHPP-86A7(410)

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+46.70	±24.25	798.91
B	914+56.70	±24.25	798.76
C	914+66.70	±24.25	798.60
D	914+76.20	±24.25	798.46

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+47.35	12.00	799.14
B	914+57.35	12.00	798.99
C	914+67.35	12.00	798.84
D	914+76.85	12.00	798.69

STAGE LINE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+47.87	2.00	799.29
B	914+57.87	2.00	799.13
C	914+67.87	2.00	798.98
D	914+77.37	2.00	798.84

CENTERLINE OF ROADWAY & P.G.L.

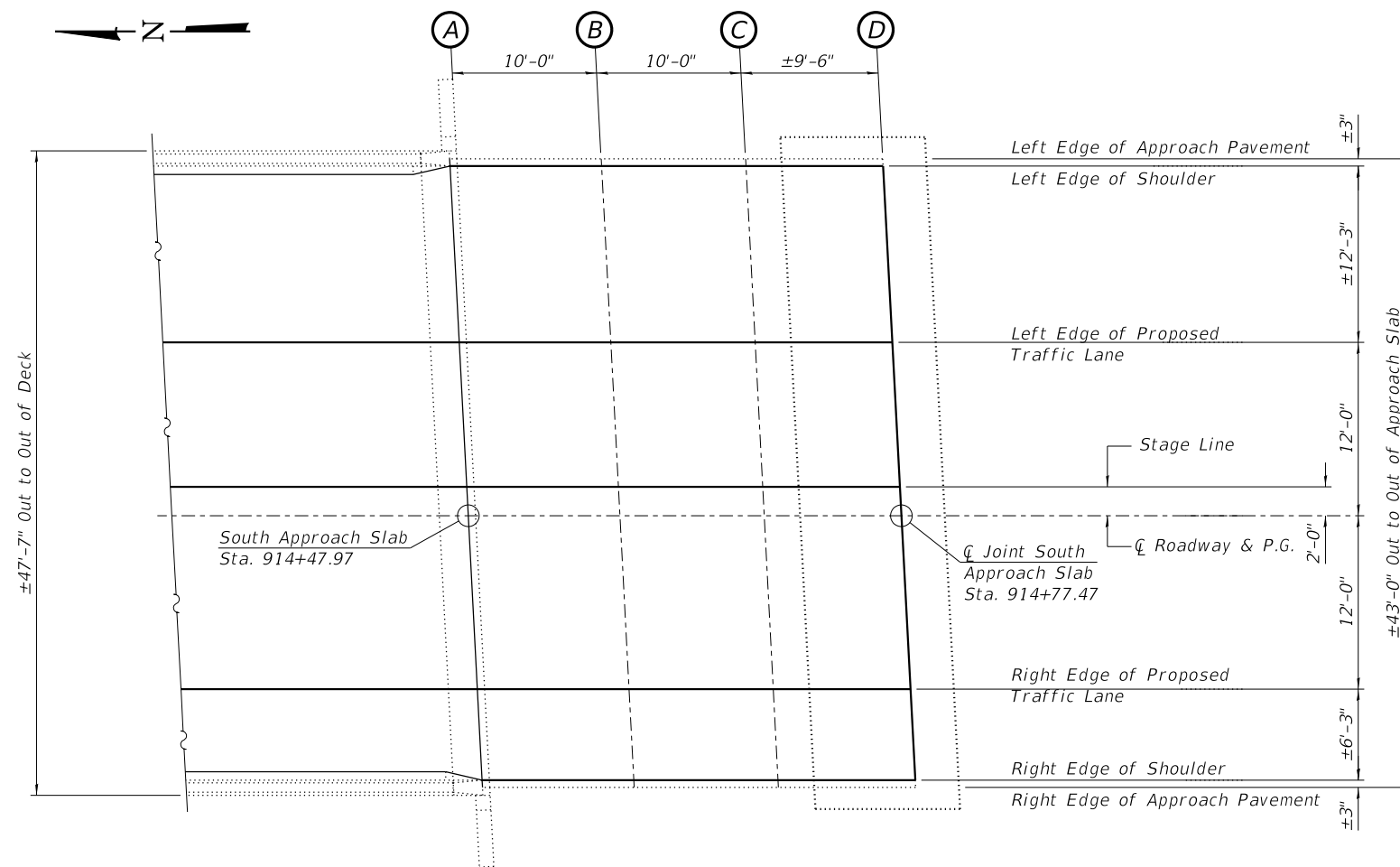
Location	Station	Offset	Theoretical Grade Elevations
A	914+47.97	0.00	799.32
B	914+57.97	0.00	799.16
C	914+67.97	0.00	799.01
D	914+77.47	0.00	798.87

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+48.60	12.00	799.13
B	914+58.60	12.00	798.97
C	914+68.60	12.00	798.82
D	914+78.10	12.00	798.68

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+48.93	±18.25	799.00
B	914+58.93	±18.25	798.84
C	914+68.93	±18.25	798.69
D	914+78.43	±18.25	798.54



PLAN VIEW

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 10\1427D18_Top of South Approach Slab Elevations (NB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2,000' / 1" = 1/8"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 037-0010 (NB)

STRUCTURAL SHEET 13 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	24
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+20.95	±18.25	800.47
B	913+30.95	±18.25	800.35
C	913+40.95	±18.25	800.24
D	913+50.45	±18.25	800.13

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+21.28	12.00	800.59
B	913+31.28	12.00	800.48
C	913+41.28	12.00	800.36
D	913+50.78	12.00	800.25

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	913+21.91	0.00	800.76
B	913+31.91	0.00	800.65
C	913+41.91	0.00	800.53
D	913+51.41	0.00	800.42

STAGE LINE

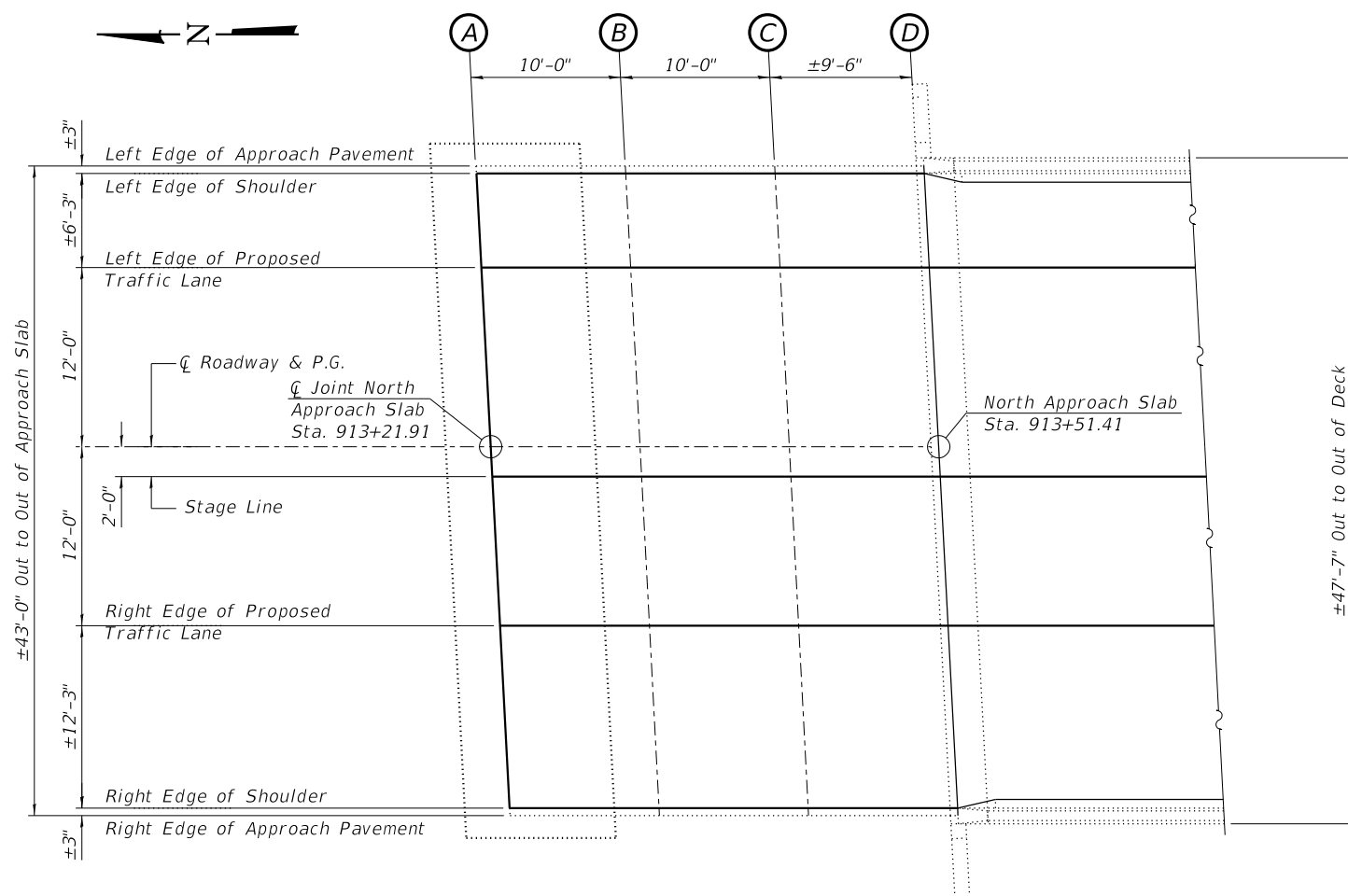
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+22.01	2.00	800.73
B	913+32.01	2.00	800.62
C	913+42.01	2.00	800.50
D	913+51.51	2.00	800.39

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+22.53	12.00	800.58
B	913+32.53	12.00	800.46
C	913+42.53	12.00	800.34
D	913+52.03	12.00	800.24

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+23.18	±24.25	800.32
B	913+33.18	±24.25	800.21
C	913+43.18	±24.25	800.09
D	913+52.68	±24.25	799.99



PLAN VIEW

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18_Top of North Approach Slab Elevations (SB).dgn



USER NAME = satyam	DESIGNED - SM	REVISD -
	CHECKED - BKC	REVISD -
PLOT SCALE = 2,000' / 1" =	DRAWN - RDA	REVISD -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 037-0009 (SB)**

STRUCTURAL SHEET 14 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	25
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+16.02	±24.25	800.41
B	913+26.02	±24.25	800.31
C	913+36.02	±24.25	800.20
D	913+45.52	±24.25	800.09

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+16.66	12.00	800.65
B	913+26.66	12.00	800.55
C	913+36.66	12.00	800.43
D	913+46.16	12.00	800.32

STAGE LINE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+17.19	2.00	800.80
B	913+27.19	2.00	800.69
C	913+37.19	2.00	800.58
D	913+46.69	2.00	800.46

CENTERLINE OF ROADWAY & P.G.L.

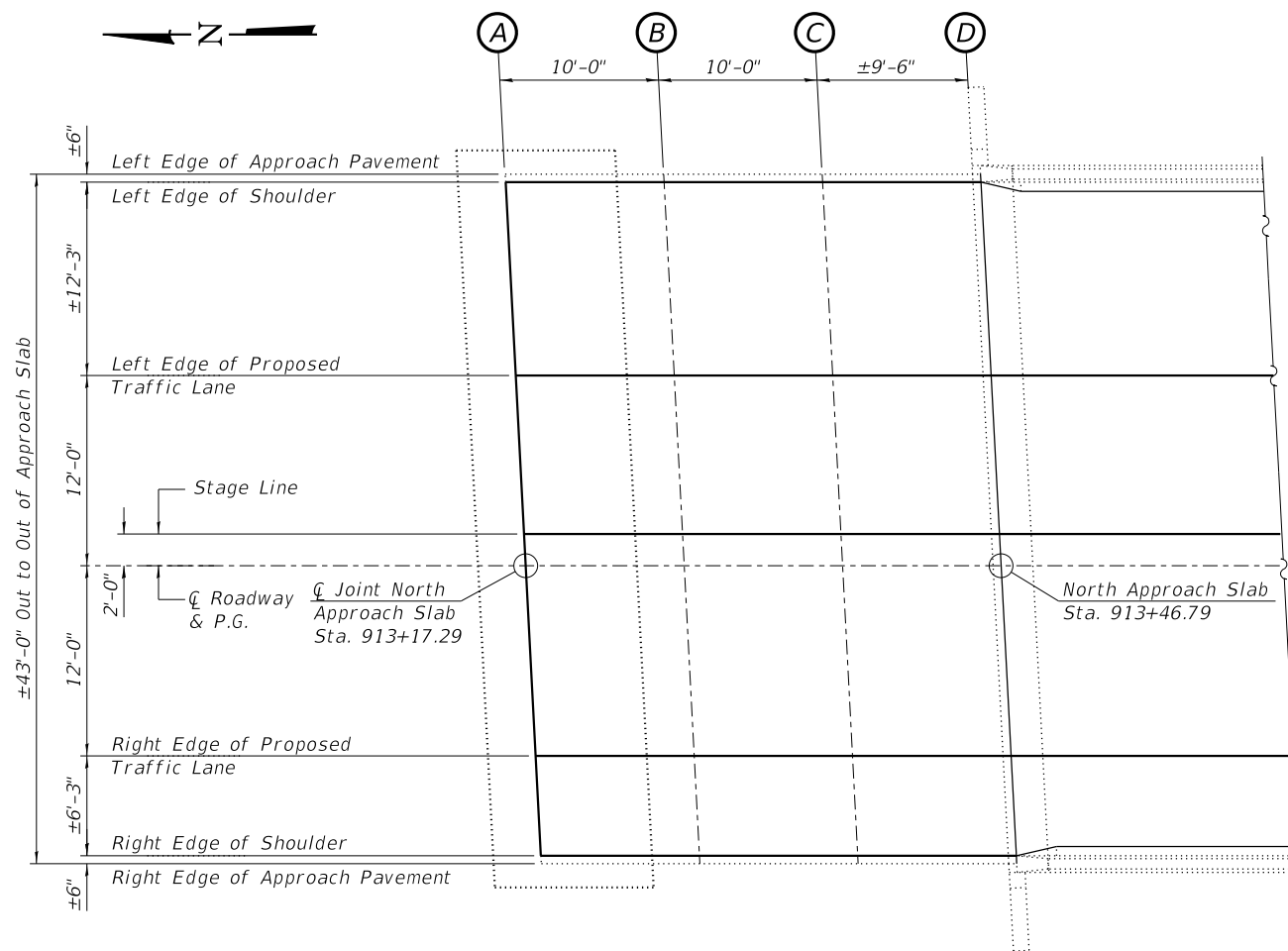
Location	Station	Offset	Theoretical Grade Elevations
A	913+17.29	0.00	800.83
B	913+27.29	0.00	800.72
C	913+37.29	0.00	800.61
D	913+46.79	0.00	800.48

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+17.92	12.00	800.64
B	913+27.92	12.00	800.53
C	913+37.92	12.00	800.42
D	913+47.42	12.00	800.30

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+18.25	±18.25	800.51
B	913+28.25	±18.25	800.40
C	913+38.25	±18.25	800.29
D	913+47.75	±18.25	800.17



PLAN VIEW

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18_Top of North Approach Slab Elevations (NB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 2.0000' / 1" =	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 037-0010 (NB)**

STRUCTURAL SHEET 15 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	26
WHA# 1427D18		CONTRACT NO. 64P50		

ILLINOIS FED. AID PROJECT NHPP-86A7(410)

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+81.13	±18.25	798.60
B	914+91.13	±18.25	798.42
C	914+99.80	±18.25	798.28

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+81.46	12.00	798.72
B	914+91.46	12.00	798.61
C	915+00.12	12.00	798.52

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	914+82.09	0.00	798.89
B	914+92.09	0.00	798.78
C	915+00.75	0.00	798.70

STAGE LINE

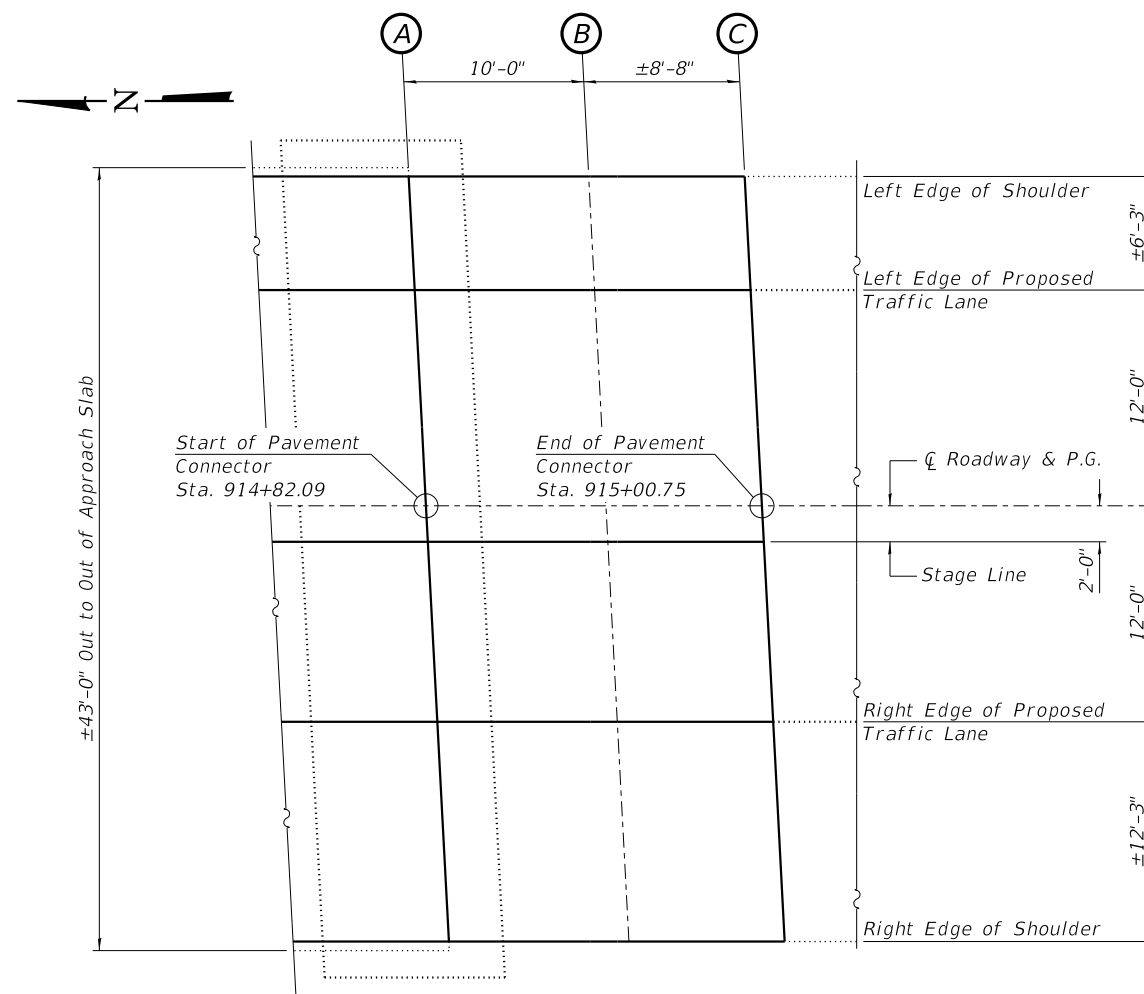
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+82.19	2.00	798.86
B	914+92.19	2.00	798.75
C	915+00.86	2.00	798.67

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+82.72	12.00	798.70
B	914+92.72	12.00	798.60
C	915+01.38	12.00	798.52

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+83.36	±24.25	798.45
B	914+93.36	±24.25	798.22
C	915+02.02	±24.25	798.03



FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18_Top of South Pavement Connector Elevations (SB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 0.2,0000 1/4"=1'	DRAWN - FDL	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH PAVEMENT CONNECTOR ELEVATIONS
STRUCTURE NO. 037-0009 (SB)

STRUCTURAL SHEET 16 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	27
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+76.20	±24.25	798.45
B	914+86.20	±24.25	798.18
C	914+94.87	±24.25	797.94

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+76.85	12.00	798.69
B	914+86.85	12.00	798.54
C	914+95.51	12.00	798.42

STAGE LINE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	914+77.37	2.00	798.83
B	914+87.37	2.00	798.68
C	914+96.04	2.00	798.55

CENTERLINE OF ROADWAY & P.G.L.

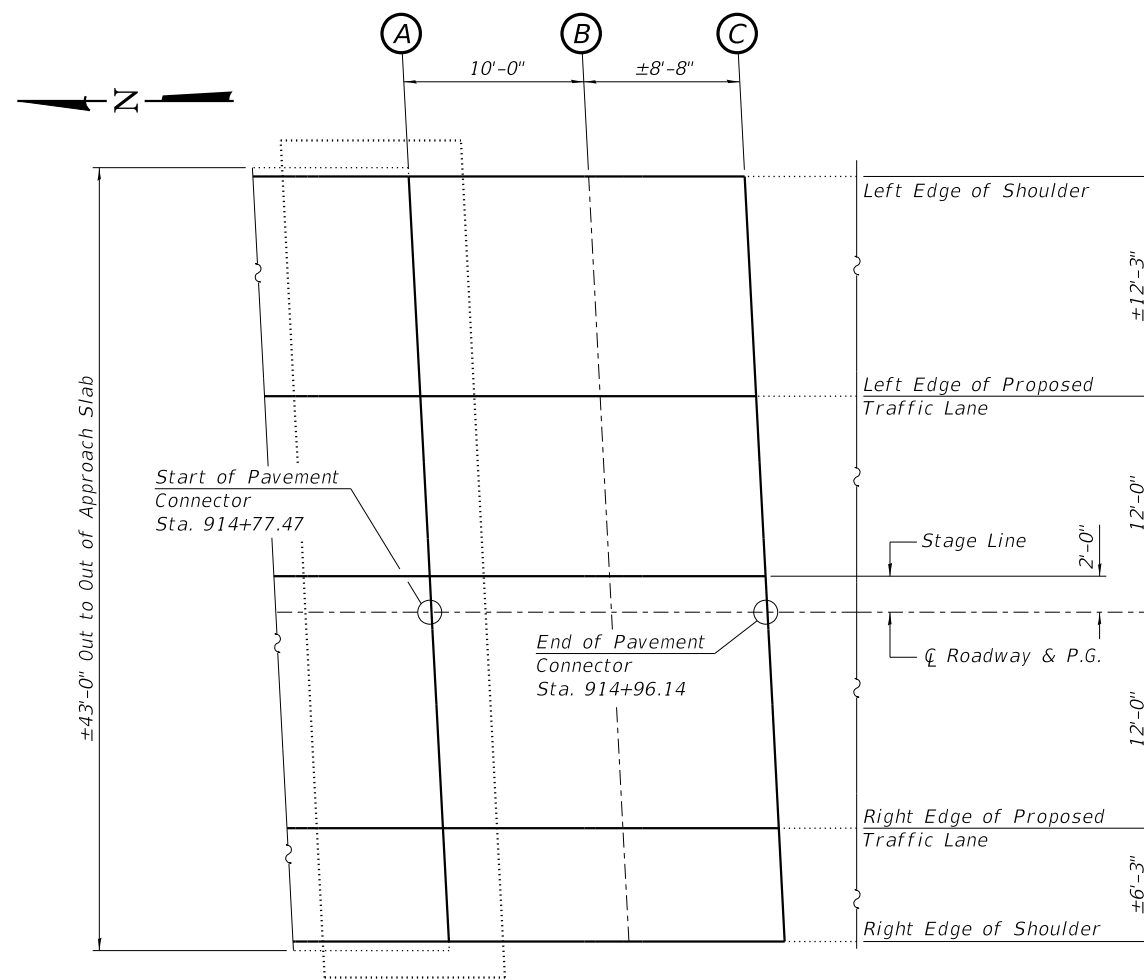
Location	Station	Offset	Theoretical Grade Elevations
A	914+77.47	0.00	798.86
B	914+87.47	0.00	798.71
C	914+96.14	0.00	798.58

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+78.10	12.00	798.67
B	914+88.10	12.00	798.52
C	914+96.77	12.00	798.39

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	914+78.43	±18.25	798.54
B	914+88.43	±18.25	798.32
C	914+97.10	±18.25	798.14



FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 10\1427D18_Top of South Pavement Connector Elevations (NB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 0.2,0000 1/16"	DRAWN - FDL	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH PAVEMENT CONNECTOR ELEVATIONS
STRUCTURE NO. 037-0010 (NB)

STRUCTURAL SHEET 17 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	28
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	912+99.70	±18.25	800.58
B	913+09.70	±18.25	800.53
C	913+20.95	±18.25	800.47

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	913+00.03	12.00	800.83
B	913+10.03	12.00	800.72
C	913+21.28	12.00	800.59

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	913+00.66	0.00	801.03
B	913+10.66	0.00	800.91
C	913+21.91	0.00	800.76

STAGE LINE

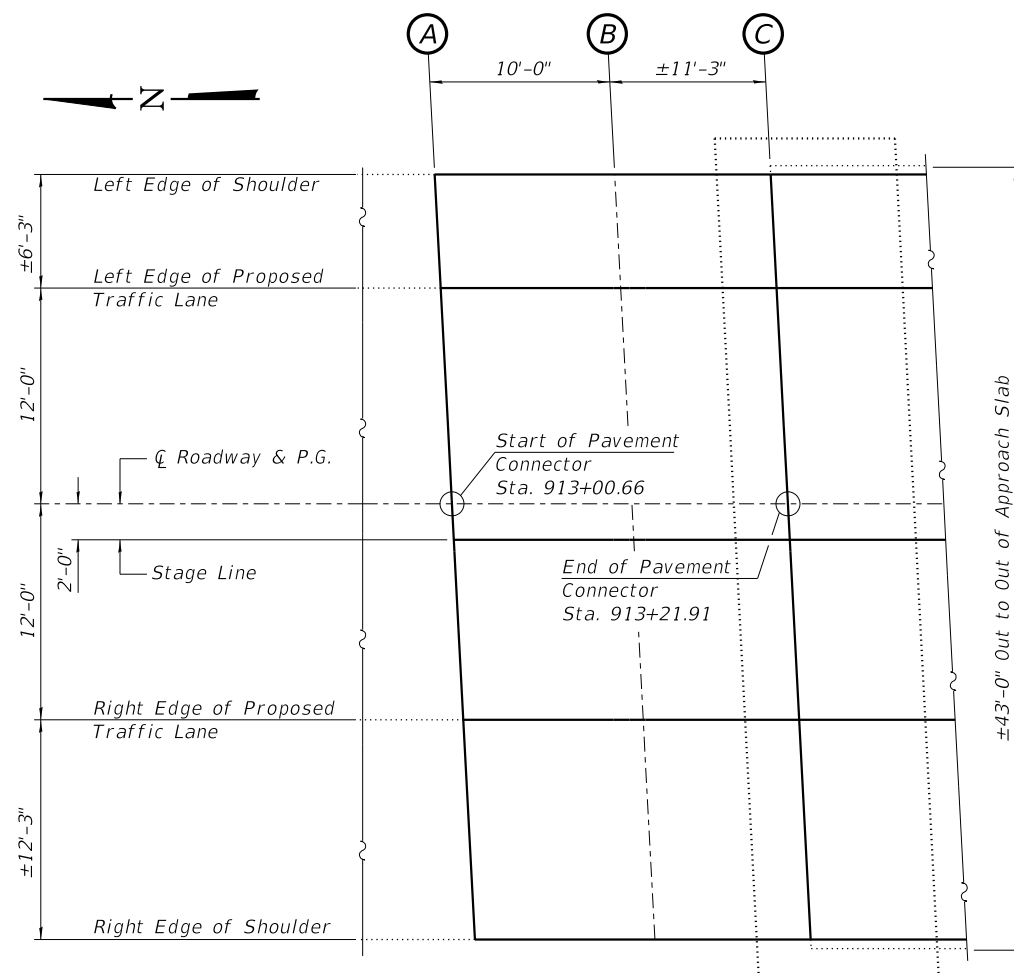
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+00.76	2.00	801.00
B	913+10.76	2.00	800.87
C	913+22.01	2.00	800.73

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+01.28	12.00	800.82
B	913+11.28	12.00	800.71
C	913+22.53	12.00	800.58

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	913+01.93	±24.25	800.33
B	913+11.93	±24.25	800.32
C	913+23.18	±24.25	800.32



FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18_Top of North Pavement Connector Elevations (SB).dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 0.20000 1/16"	DRAWN - FDL	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH PAVEMENT CONNECTOR ELEVATIONS
STRUCTURE NO. 037-0009 (SB)

STRUCTURAL SHEET 18 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	29
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

LEFT EDGE OF SHOULDER

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	912+96.36	±24.25	800.44
B	913+06.36	±24.25	800.43
C	913+16.02	±24.25	800.42

LEFT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	912+97.00	12.00	800.92
B	913+07.00	12.00	800.79
C	913+16.66	12.00	800.66

STAGE LINE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	912+97.52	2.00	801.01
B	913+07.52	2.00	800.91
C	913+17.19	2.00	800.81

CENTERLINE OF ROADWAY & P.G.L.

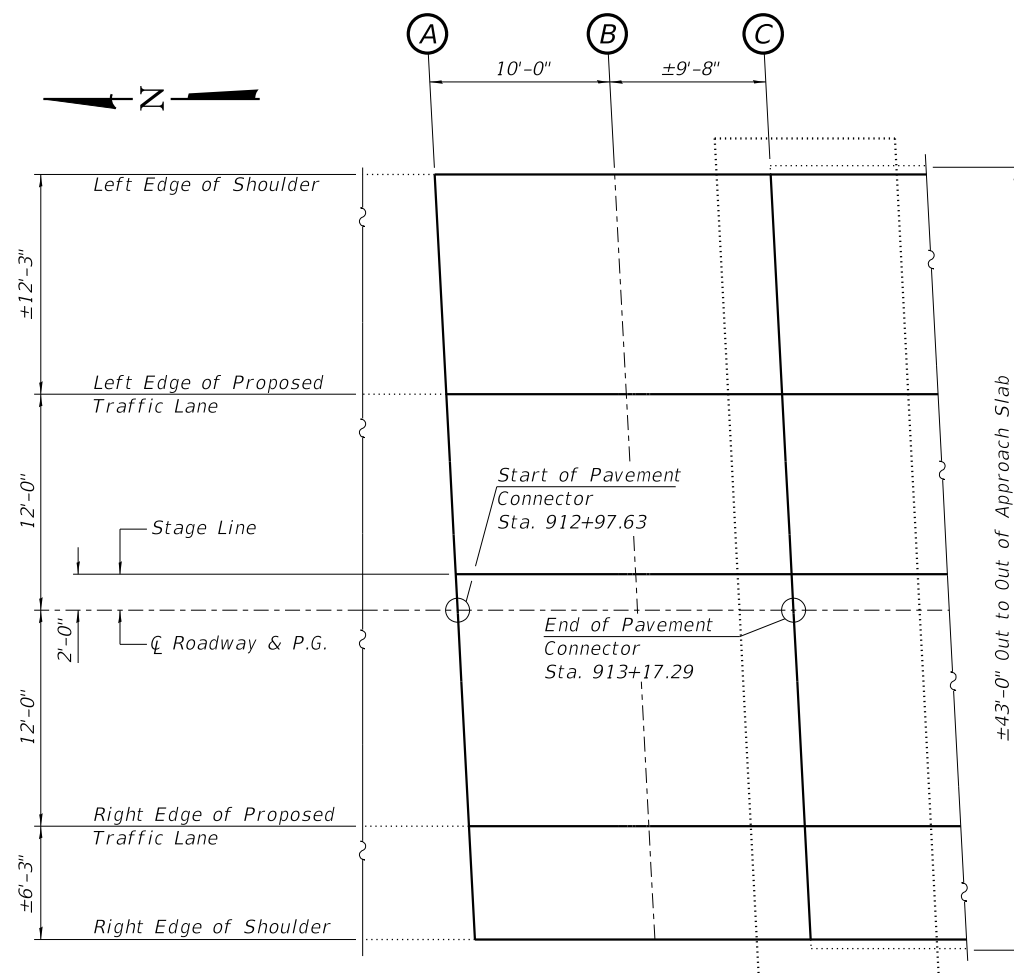
Location	Station	Offset	Theoretical Grade Elevations
A	912+97.63	0.00	801.03
B	913+07.63	0.00	800.93
C	913+17.29	0.00	800.83

RIGHT EDGE OF PROPOSED TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	912+98.26	12.00	800.91
B	913+08.26	12.00	800.78
C	913+17.92	12.00	800.65

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	912+98.58	±18.25	800.66
B	913+08.58	±18.25	800.59
C	913+18.25	±18.25	800.52



FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 10\1427D18.Top of North Pavement Connector Elevations (NB).dgn

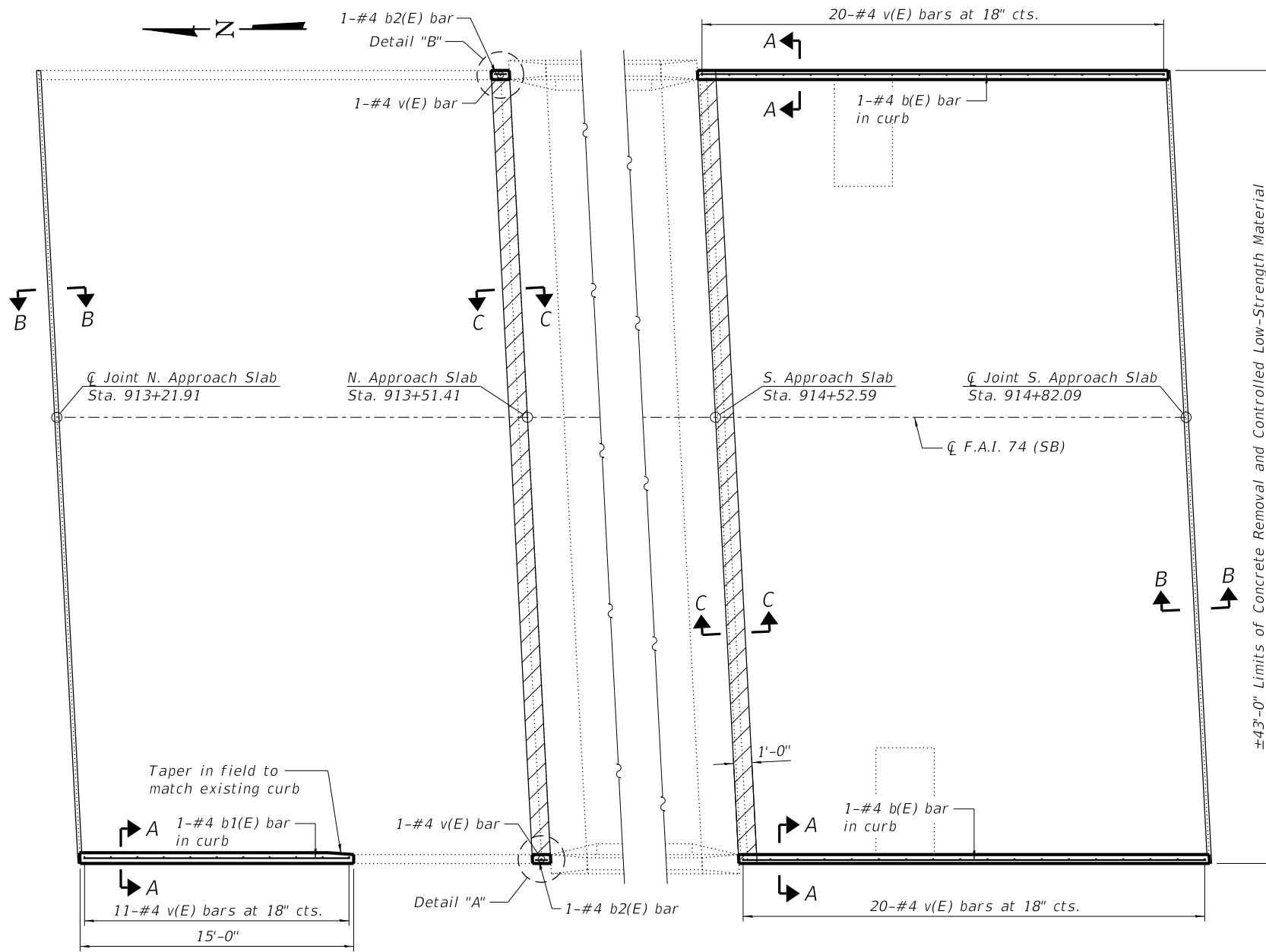


USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 0.20000 1/4" = 1'	DRAWN - FDL	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

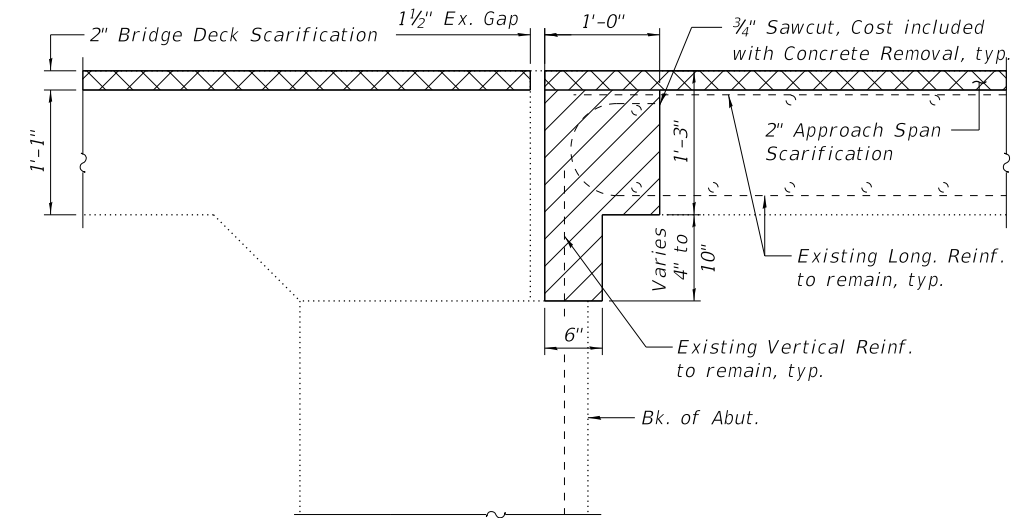
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH PAVEMENT CONNECTOR ELEVATIONS
STRUCTURE NO. 037-0010 (NB)**

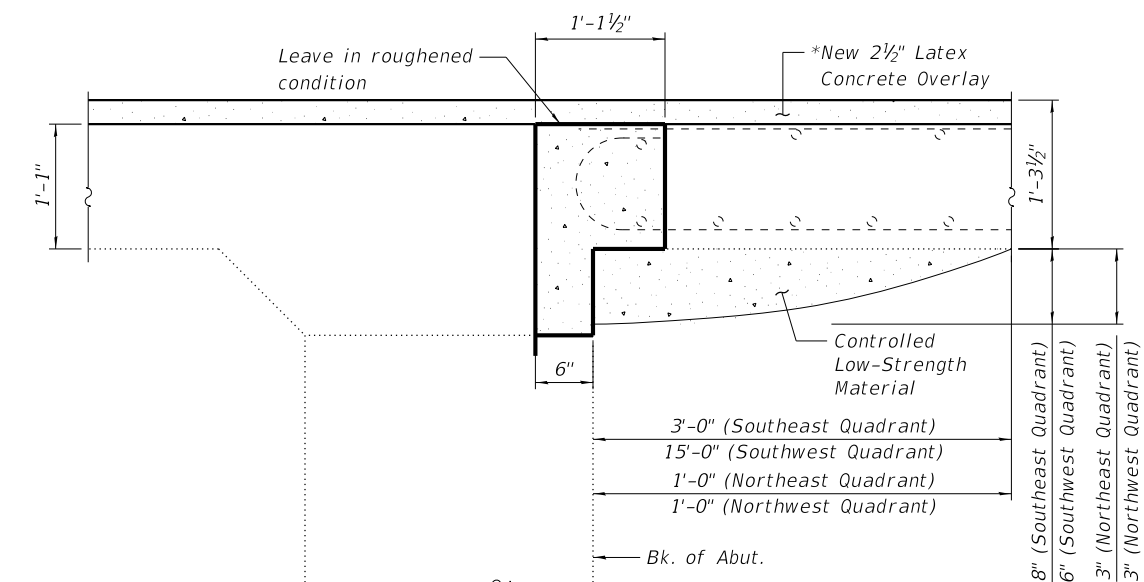
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	30
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				



PARTIAL PLAN VIEW



SECTION C-C (REMOVAL)



SECTION C-C (REPLACEMENT)

LEGEND:

- Concrete Removal
- Bridge Deck Scarification

NOTES:

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during Concrete Removal shall be replaced with approved bar splicer or anchorage system. Cost included with Concrete Removal.

For Overlay details, see Cross Section on structural sheets 7-9 of 21.

**Cost included with Concrete Superstructure (Approach Slab).

***Cost of Drilling and Grouting of v(E) bar to be included with Reinforcement Bars, Epoxy Coated.

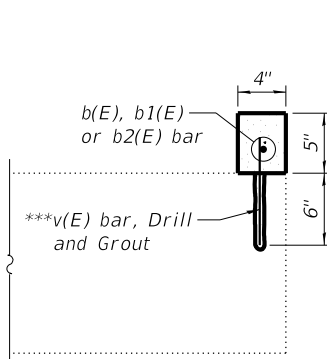
See structural sheet 6 of 21 for Limits of Concrete Removal at Curb unless otherwise noted on this sheet.

All exposed concrete edges to have 3/4\"/>

* Bridge Deck Latex Concrete Overlay, 2 1/2\"/>

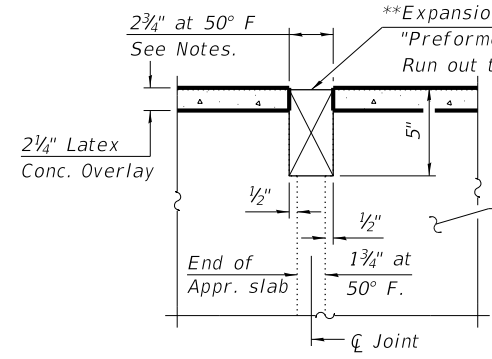
**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b(E)	2	#4	29'-2"	—
b1(E)	1	#4	14'-8"	—
b2(E)	2	#4	0'-9"	—
v(E)	53	#4	0'-9"	—
Concrete Removal			Cu. Yd.	4.4
Concrete Superstructure (Approach Slab)			Cu. Yd.	5.3
Controlled Low-Strength Material			Cu. Yd.	8.0
Reinforcement Bars, Epoxy Coated			Pound	80



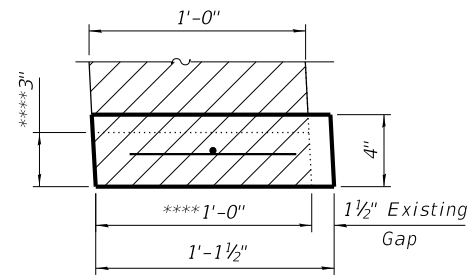
SECTION A-A

(Existing Approach Reinforcement not shown for clarity)



SECTION B-B

(Existing Approach Footing not shown for clarity)



DETAIL "A"

(Detail "B" similar)
**** Quantity for Removal at Curb to be included in Concrete Removal quantity of this sheet.

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 10\1427D18.Approach Slab Repair_Details (SB).dgn

WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - FDL	REVISED -
	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

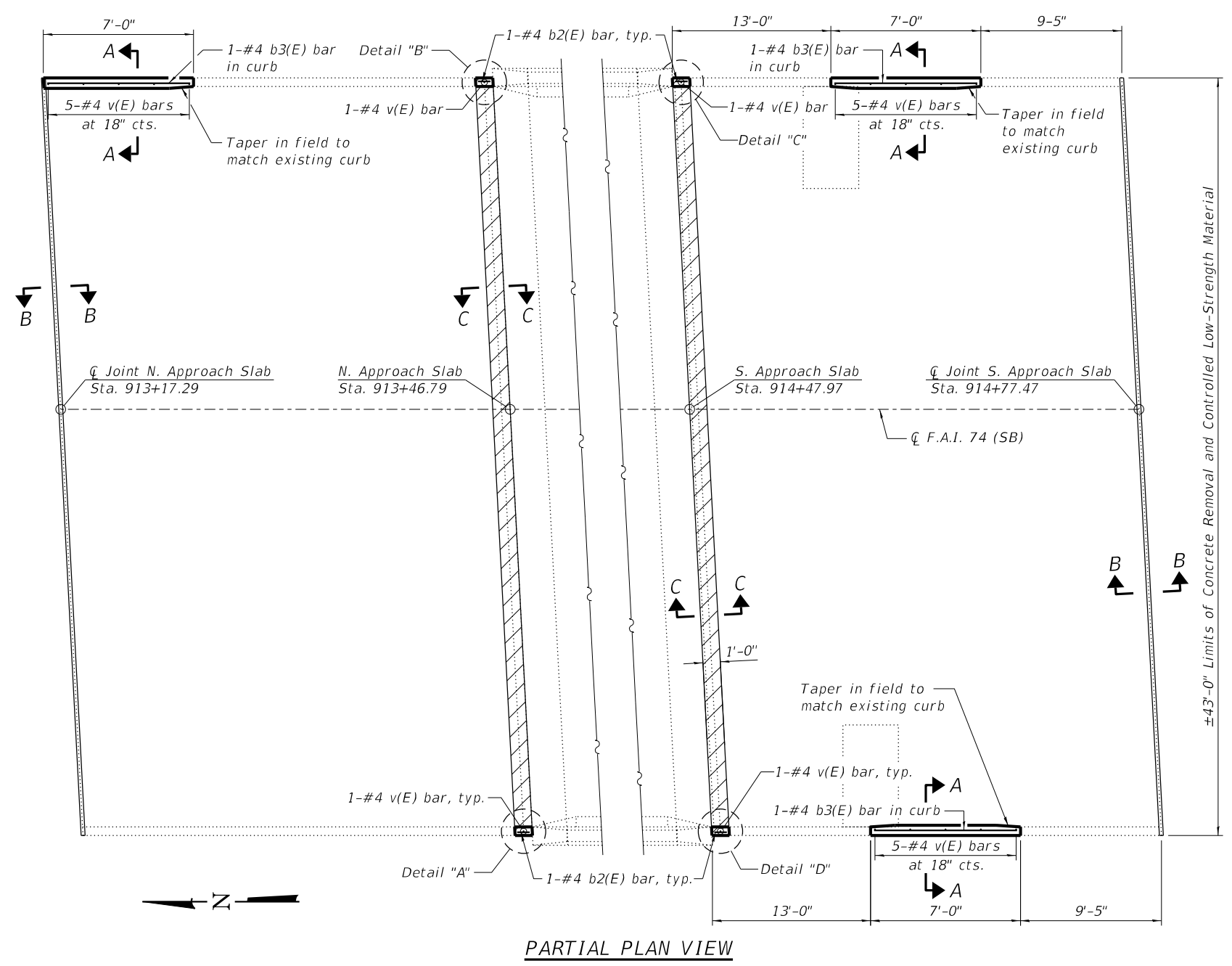
**APPROACH SLAB REPAIR DETAILS
STRUCTURE NO. 037-0009 (SB)**

STRUCTURAL SHEET 20 OF 21 SHEETS

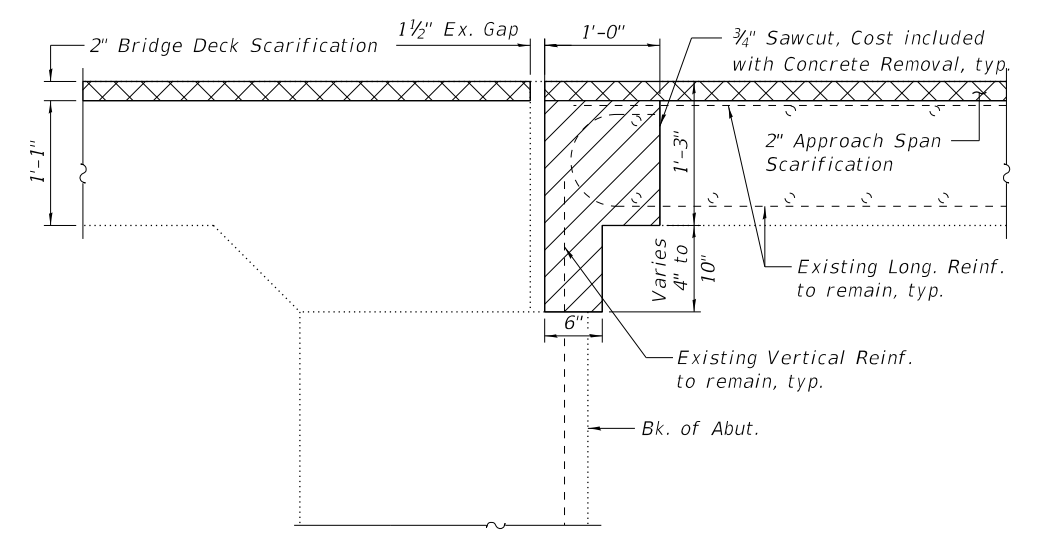
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	31
WHA# 1427D18		CONTRACT NO. 64P50		

ILLINOIS FED. AID PROJECT NHP-667(410)

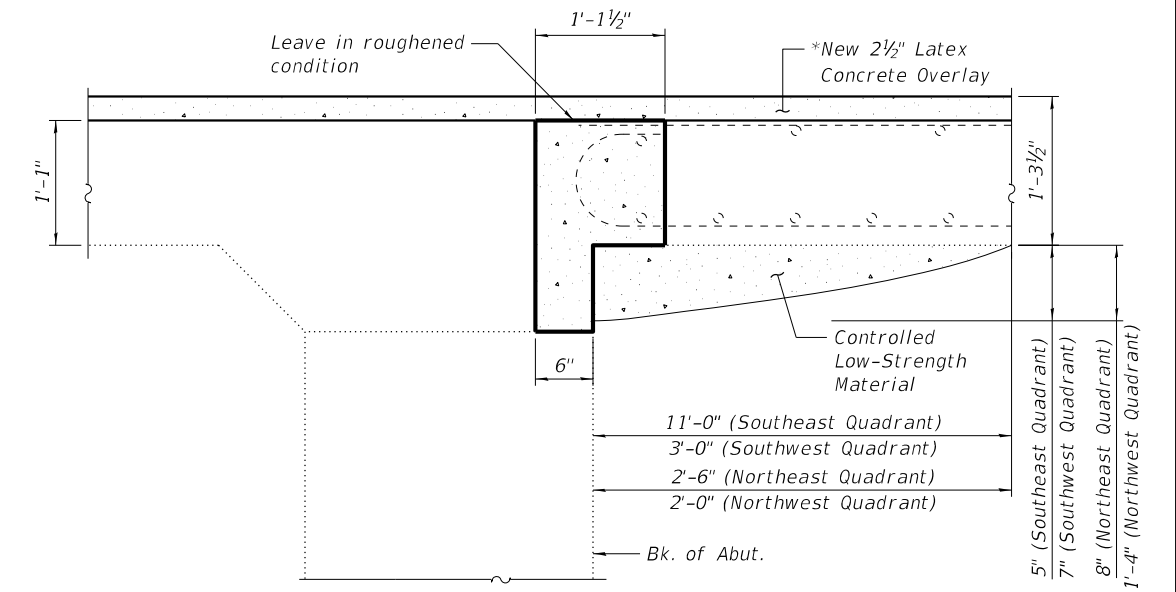
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PARTIAL PLAN VIEW



SECTION C-C (REMOVAL)



SECTION C-C (REPLACEMENT)

* Bridge Deck Latex Concrete Overlay, 2 1/2" does not include Diamond Grinding (Bridge Section) of 1/4". Recess joint seal 1/2" prior to 1/4" grinding.

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b2(E)	4	#4	0'-9"	—
b3(E)	3	#4	6'-8"	—
v(E)	19	#4	0'-9"	—
Concrete Removal			Cu. Yd.	4.4
Concrete Superstructure (Approach Slab)			Cu. Yd.	5.0
Controlled Low-Strength Material			Cu. Yd.	8.5
Reinforcement Bars, Epoxy Coated			Pound	30

LEGEND:

- Concrete Removal
- Bridge Deck Scarification

NOTES:

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during Concrete Removal shall be replaced with approved bar splicer or anchorage system. Cost included with Concrete Removal.

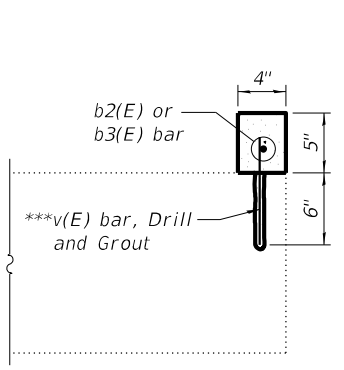
For Overlay details, see Cross Section on structural sheets 7-9 of 21.

**Cost included with Concrete Superstructure (Approach Slab).

***Cost of Drilling and Grouting of v(E) bar to be included with Reinforcement Bars, Epoxy Coated.

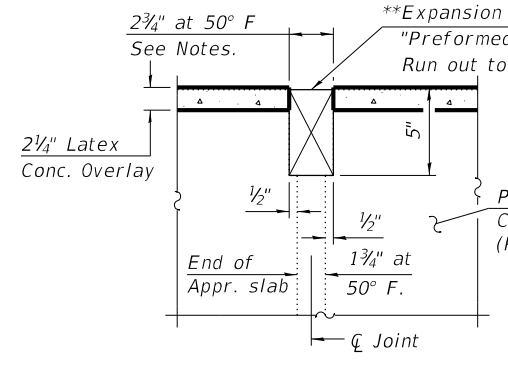
See structural sheet 6 of 21 for Limits of Concrete Removal at Curb unless otherwise noted on this sheet.

All exposed concrete edges to have 3/4" chamfers.



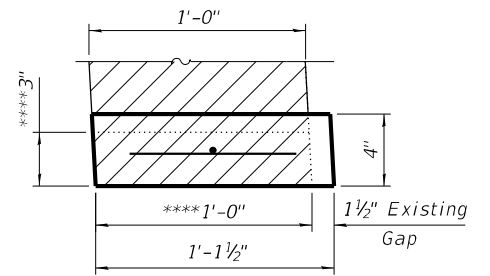
SECTION A-A

(Existing Approach Reinforcement not shown for clarity)



SECTION B-B

(Existing Approach Footing not shown for clarity)



DETAIL "A"

(Detail "B", "C", & "D" similar)
**** Quantity for Removal at Curb to be included in Concrete Removal quantity of this sheet.



USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - FDL	REVISED -
	CHECKED - BKC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

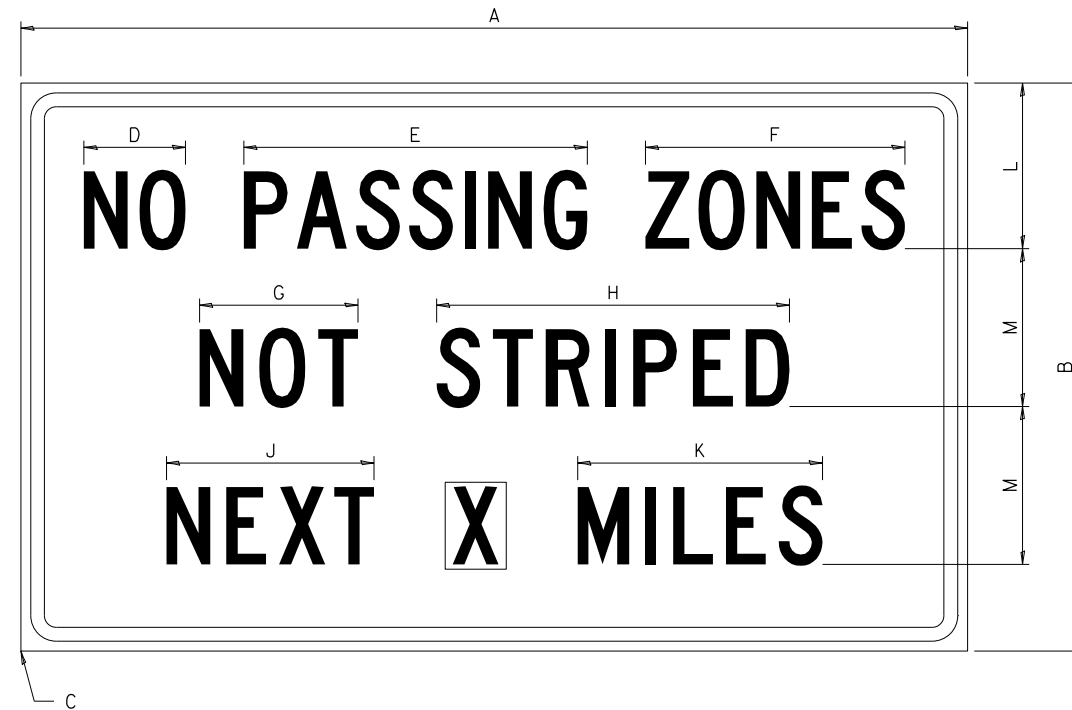
**APPROACH SLAB REPAIR DETAILS
STRUCTURE NO. 037-0010 (NB)**

STRUCTURAL SHEET 21 OF 21 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	32
WHA# 1427D18		CONTRACT NO. 64P50		
ILLINOIS FED. AID PROJECT NHP-56A7(410)				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



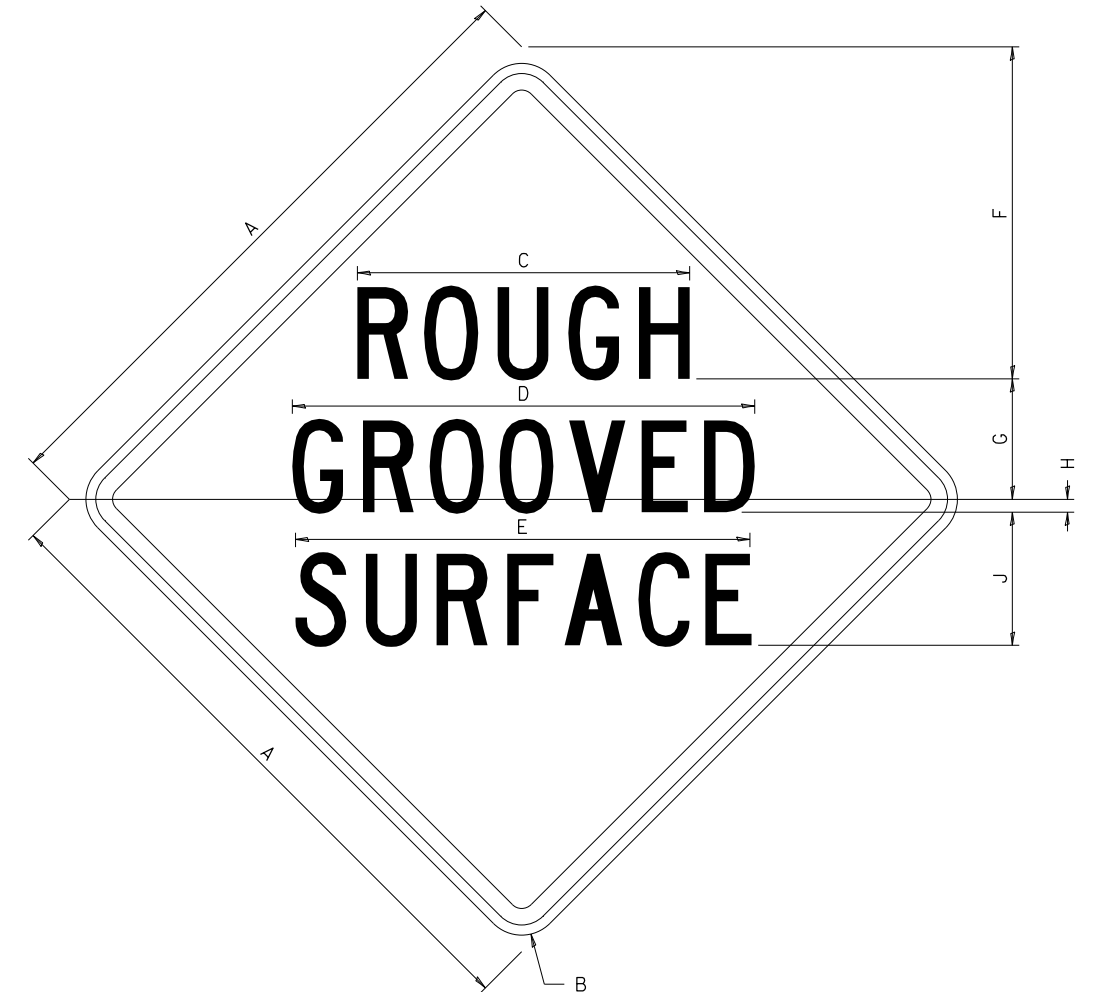
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
WORK ZONE SIGN DETAILS (34.1)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	33
WHA# 1427D18			CONTRACT NO. 64P50	

SCALE N / A SHEET 1 OF 4 SHEETS STA. N / A TO STA. N / A

ILLINOIS FED. AID PROJECT NHPP-56A7(410)

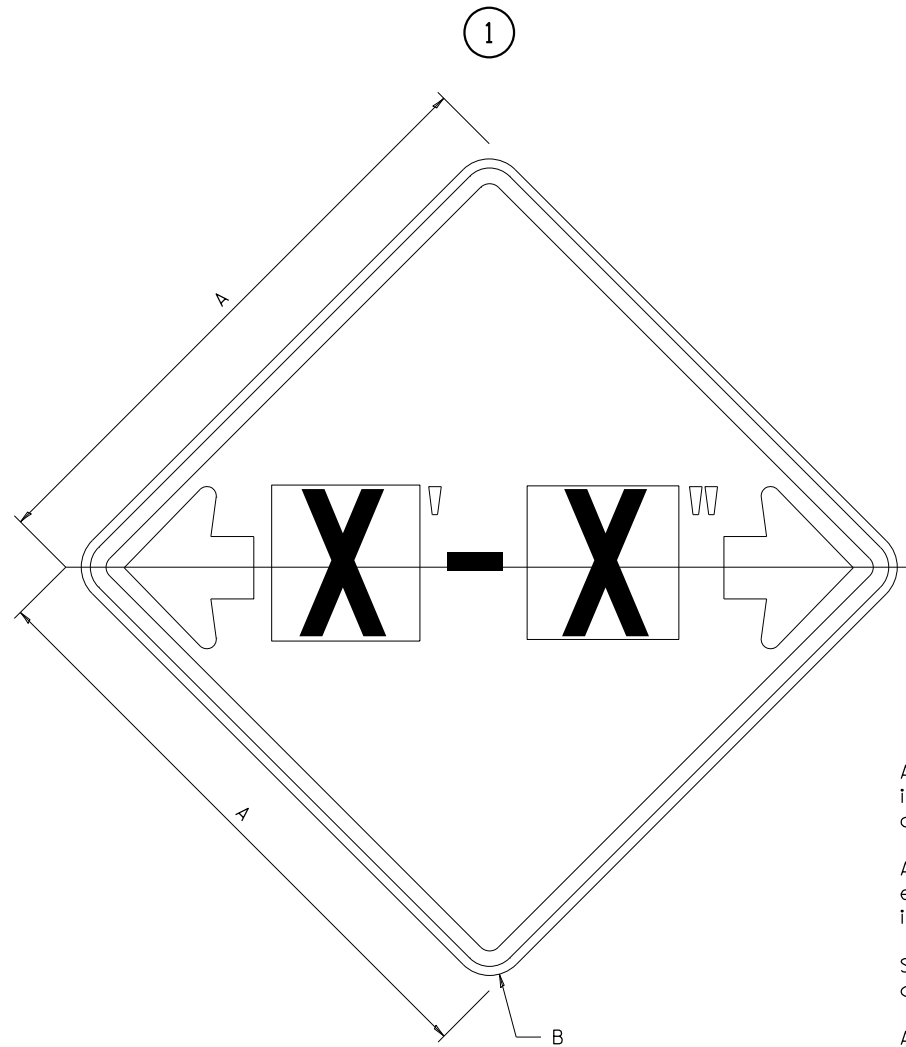
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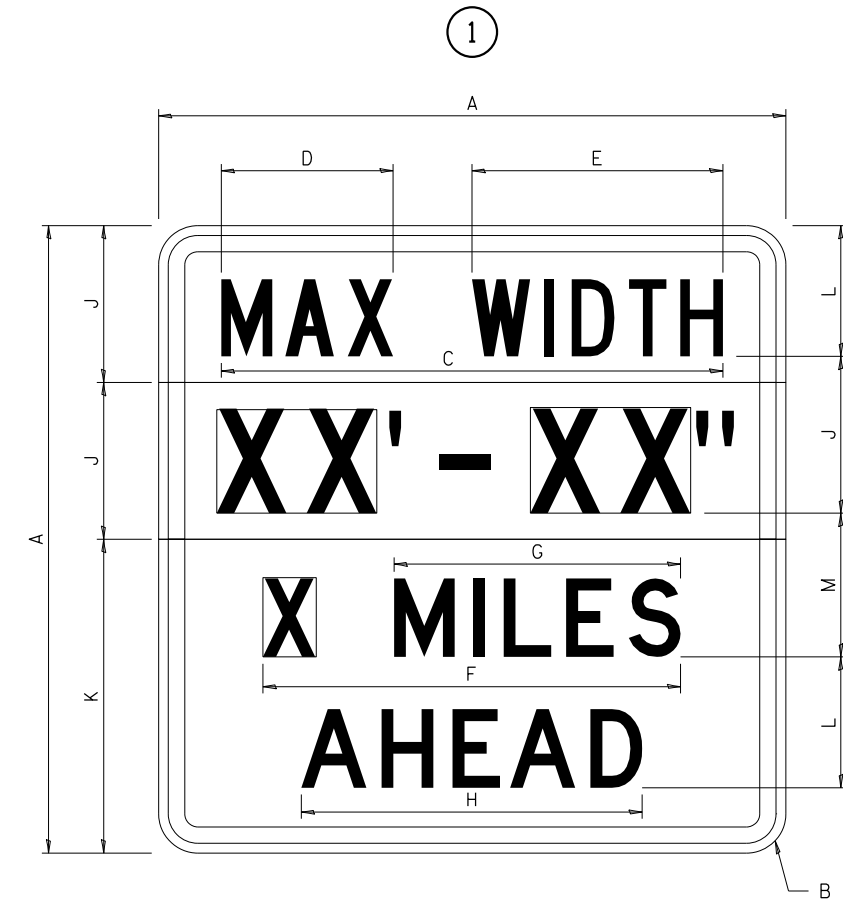
USER NAME = satyam	DESIGNED - SM	REVISED -
	CHECKED - BKC	REVISED -
PLOT SCALE = 2.0000' / 1" =	DRAWN - RDA	REVISED -
PLOT DATE = 8/3/2020	CHECKED - BKC	REVISED -

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\W010\1427D18-W010-District_Details.dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1" = 20.0000'	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

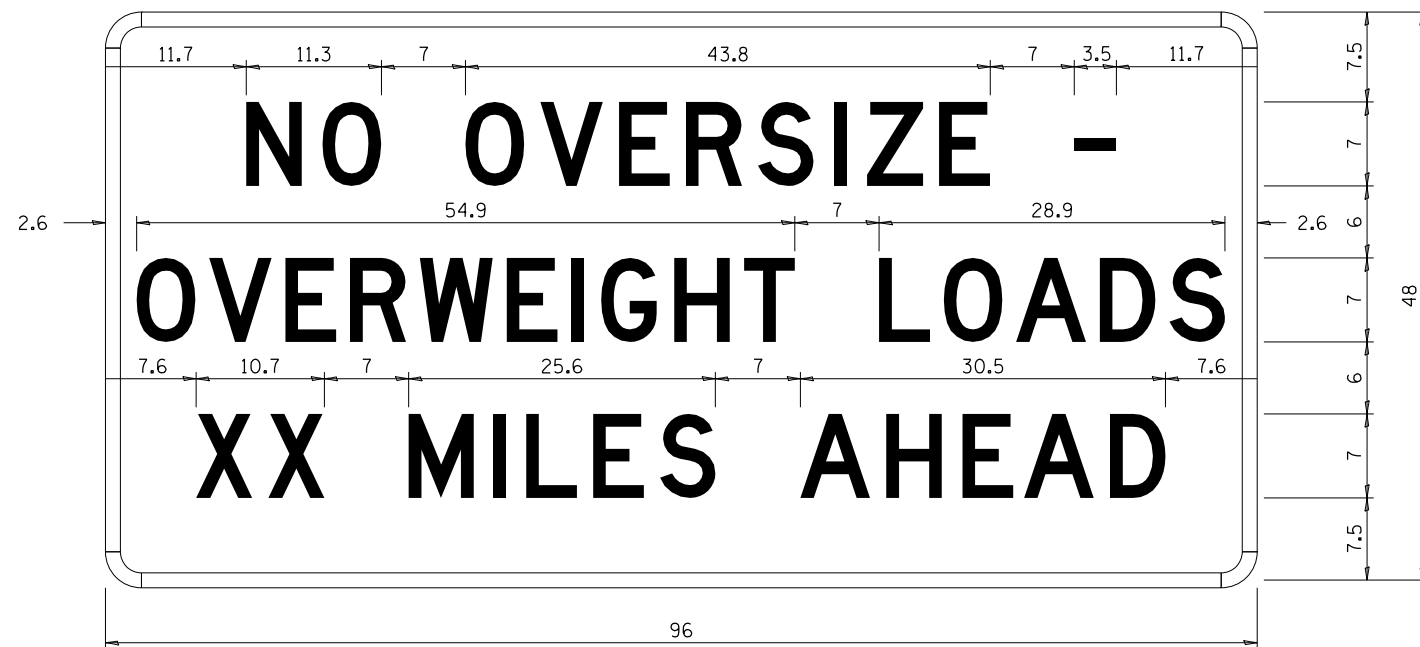
REGION 2 / DISTRICT 2 STANDARD
WORK ZONE SIGN DETAILS (34.1)

SCALE N / A SHEET 2 OF 4 SHEETS STA. N / A TO STA. N / A

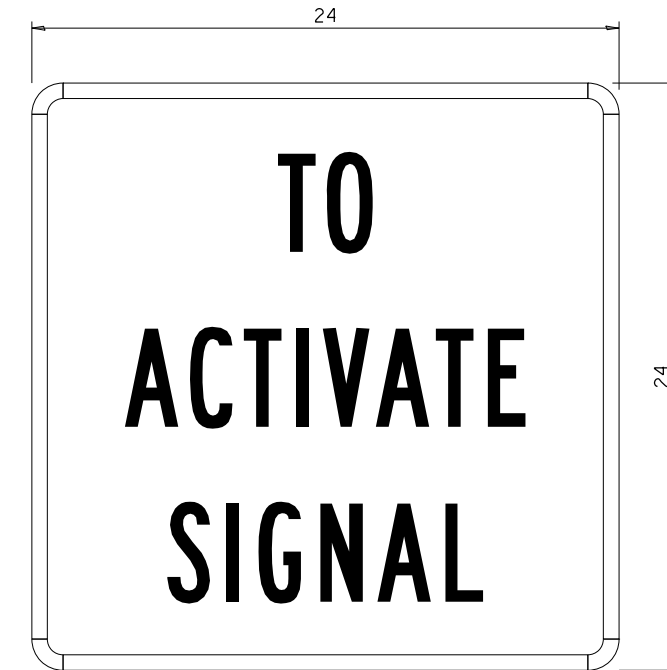
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	34
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS



STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE = S:\PROJECTS\2018\1427D18.DOT\DESIGN\CAD\SHEETS\NO 10\1427D18-W010-District_Details.dgn



USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
WORK ZONE SIGN DETAILS (34.1)

SCALE N / A SHEET 3 OF 4 SHEETS STA. N / A TO STA. N / A

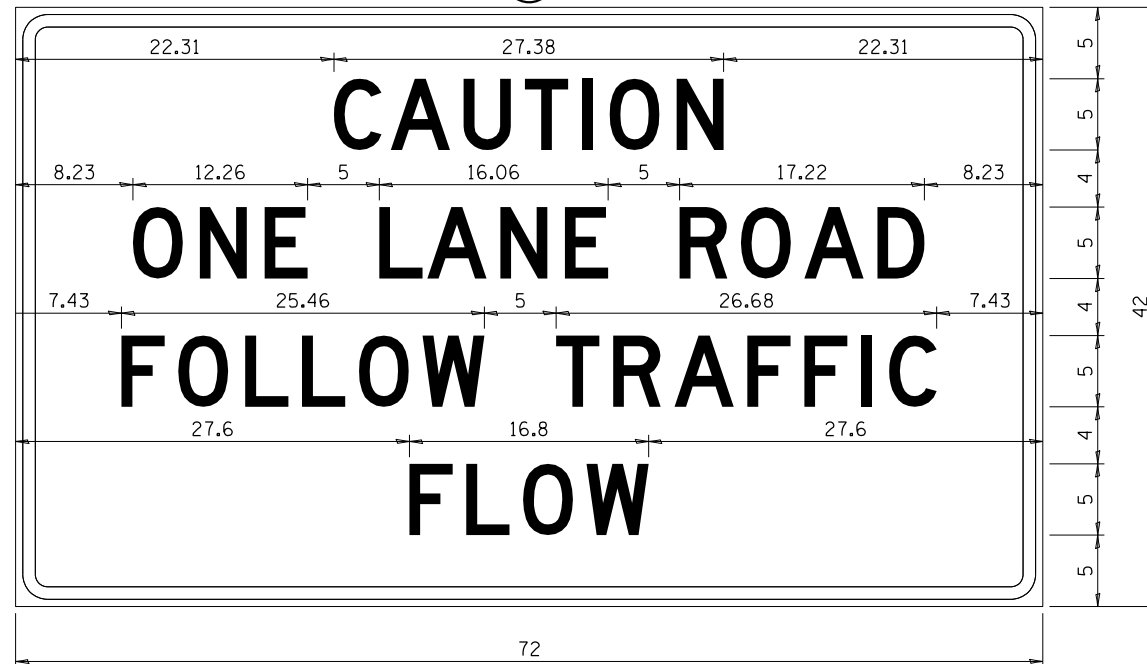
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	35
WHA# 1427D18			CONTRACT NO. 64P50	

ILLINOIS FED. AID PROJECT NHPP-86A7(410)

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

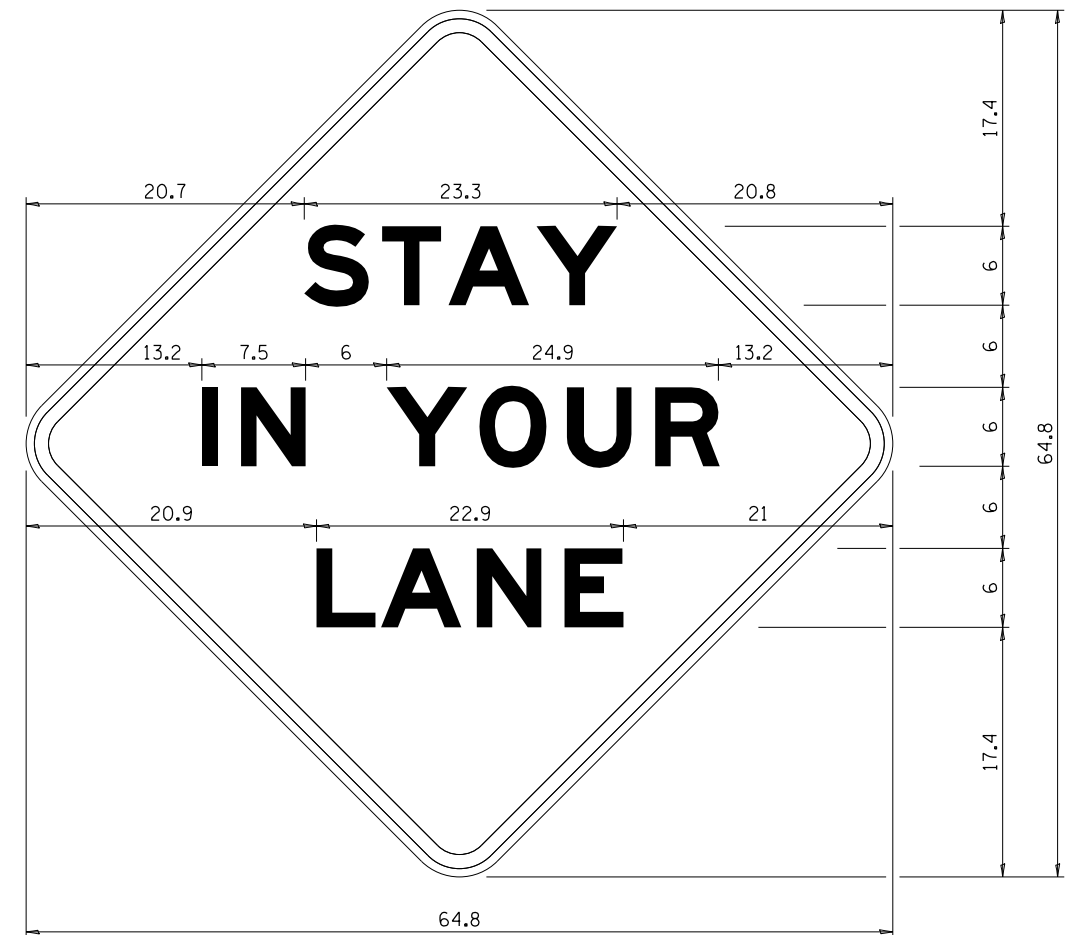
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
WORK ZONE SIGN DETAILS (34.1)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	36
WHA# 1427D18		CONTRACT NO. 64P50		

SCALE N / A SHEET 4 OF 4 SHEETS STA. N / A TO STA. N / A

ILLINOIS FED. AID PROJECT NHPP-56A7(410)

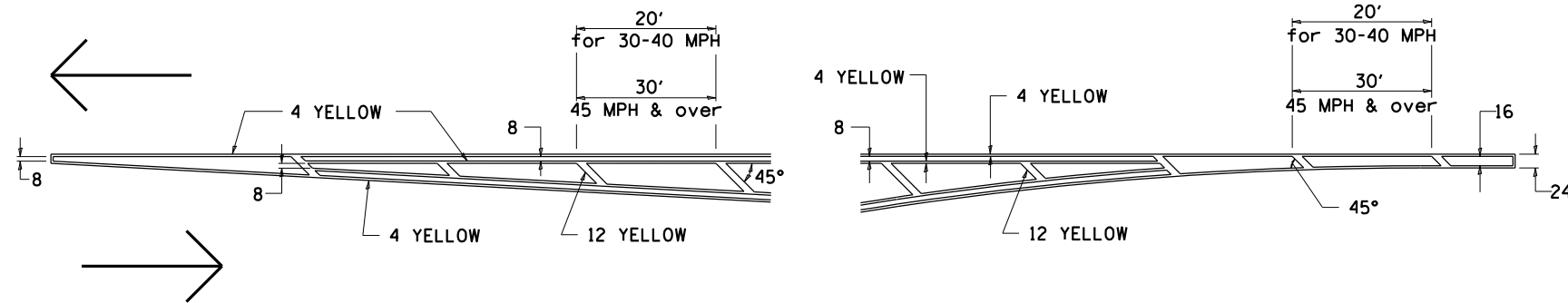
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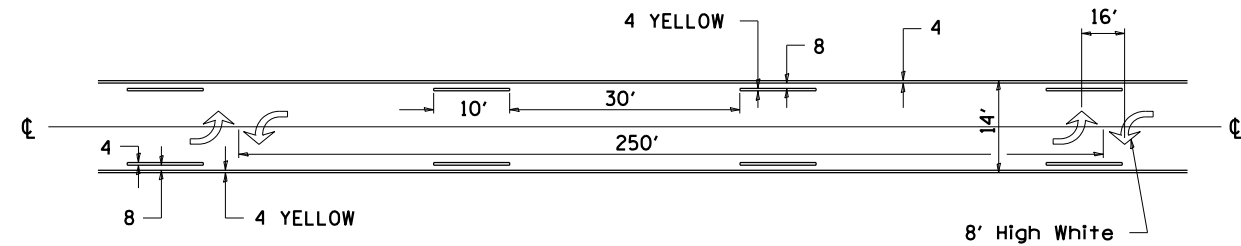
USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

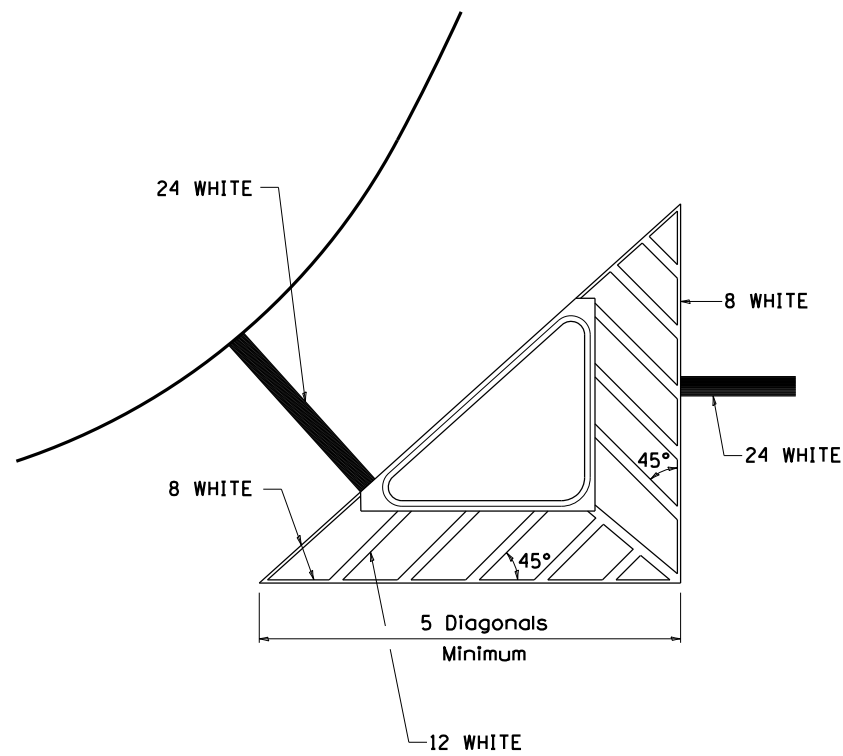


MEDIAN PAVEMENT MARKING



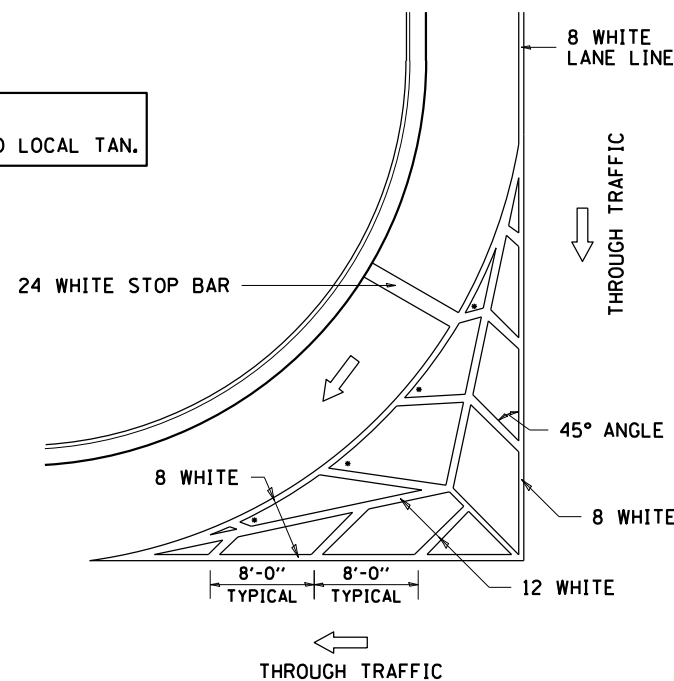
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



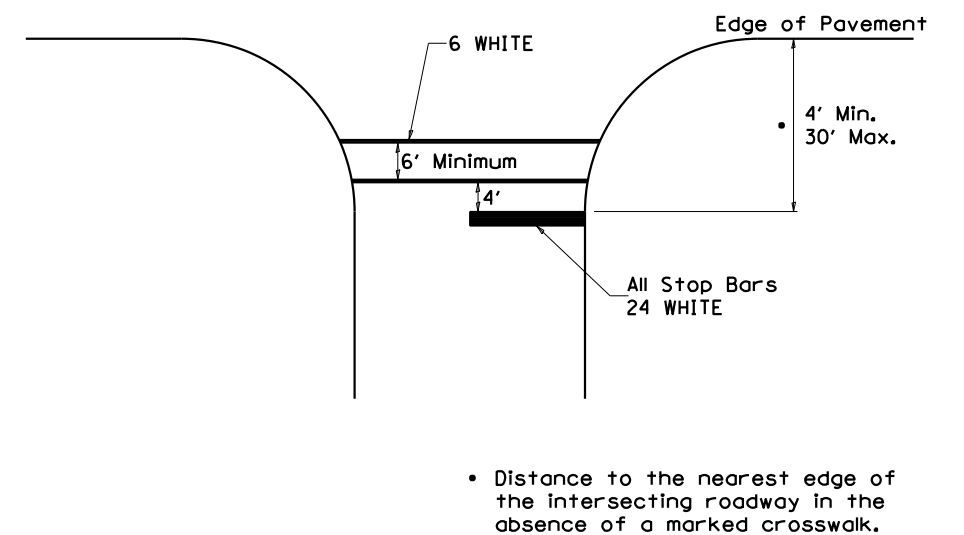
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

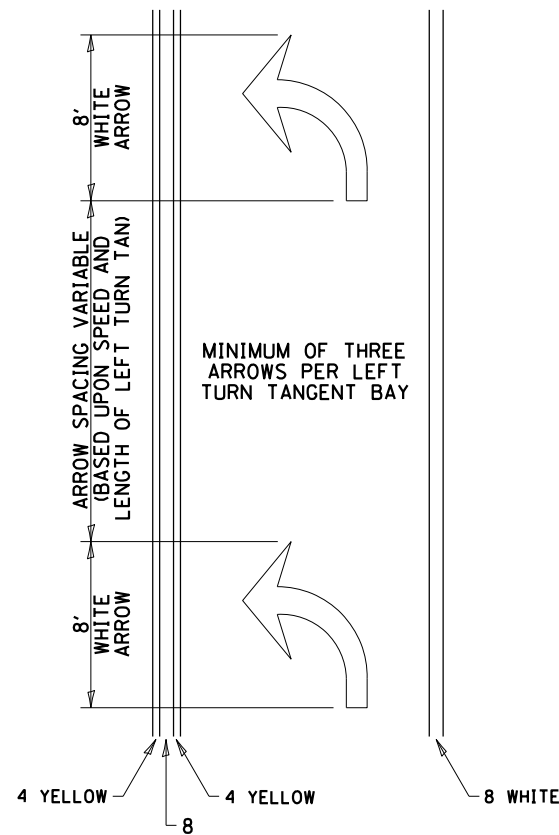


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE = S:\PROJECTS\2018\1427D18.DOT\DESIGN\CAD\SHEETS\NO 10\1427D18-W010-District_Details.dgn

TYPICAL PAVEMENT MARKINGS

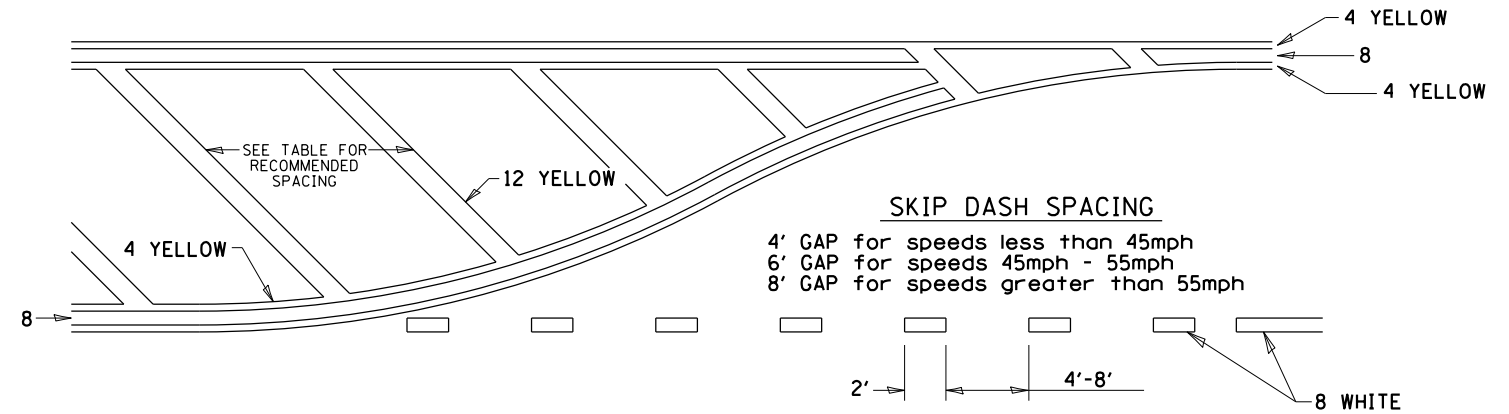
ARROW LAYOUT



- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◇ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

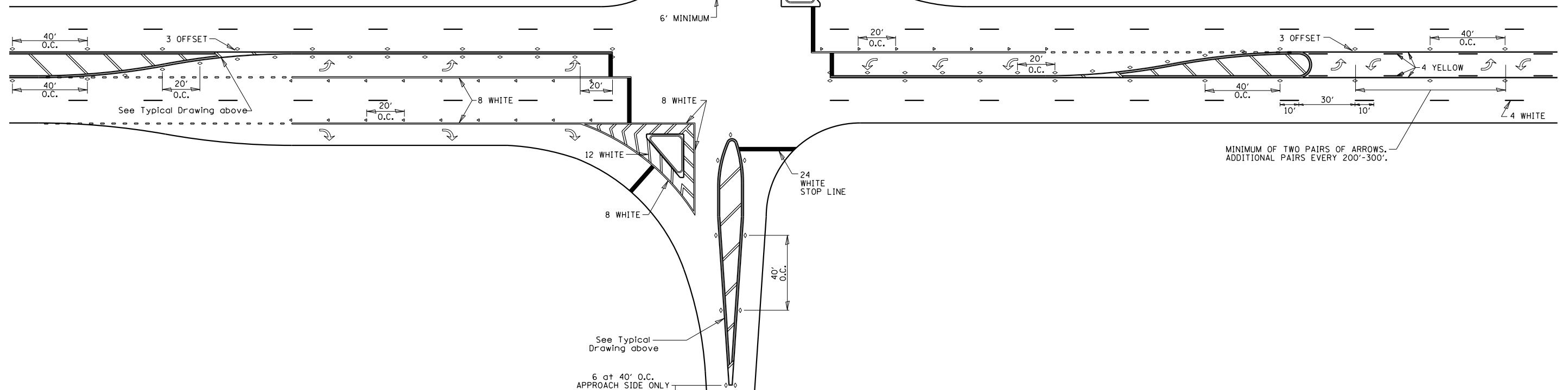
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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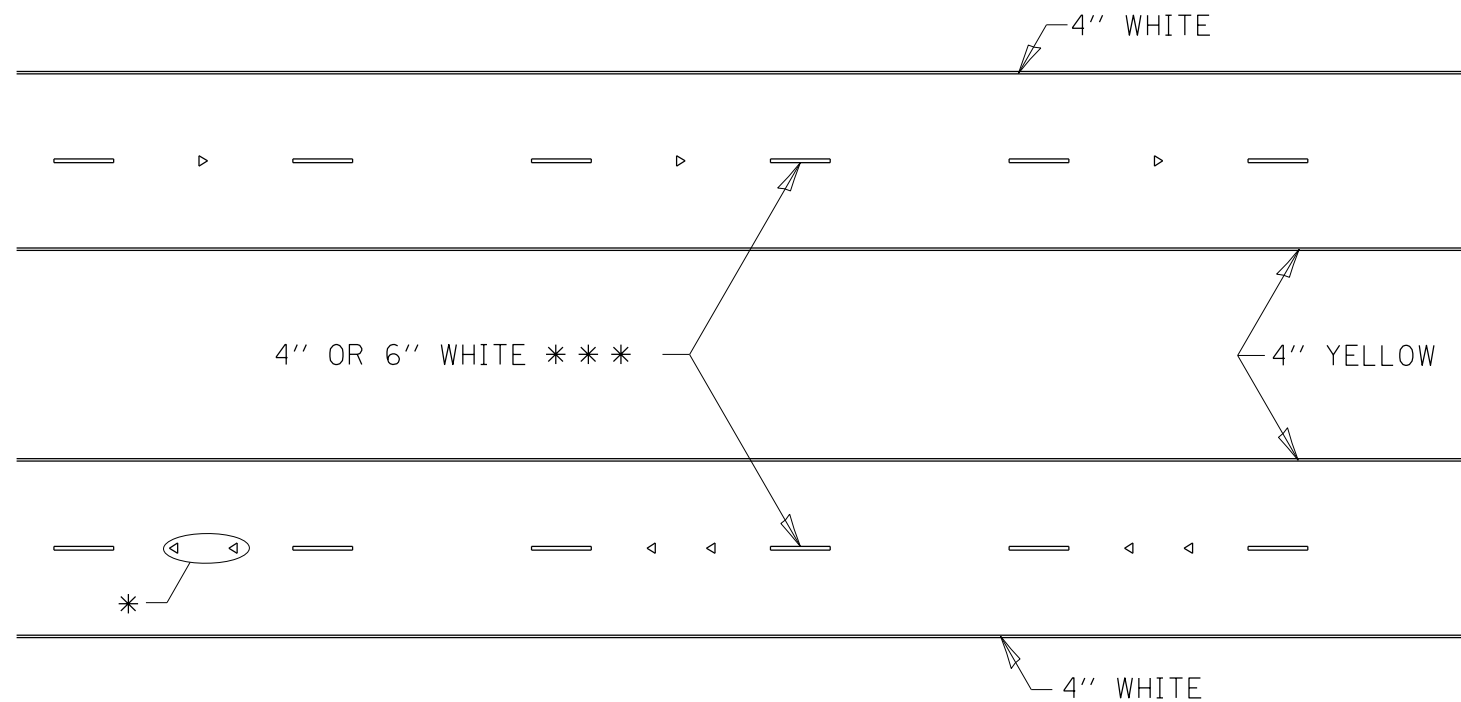
USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1" = 1/16"	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD	
TYPICAL PAVEMENT MARKINGS (41.1)	
SCALE N / A	SHEET 2 OF 3 SHEETS
STA. N / A	TO STA. N / A

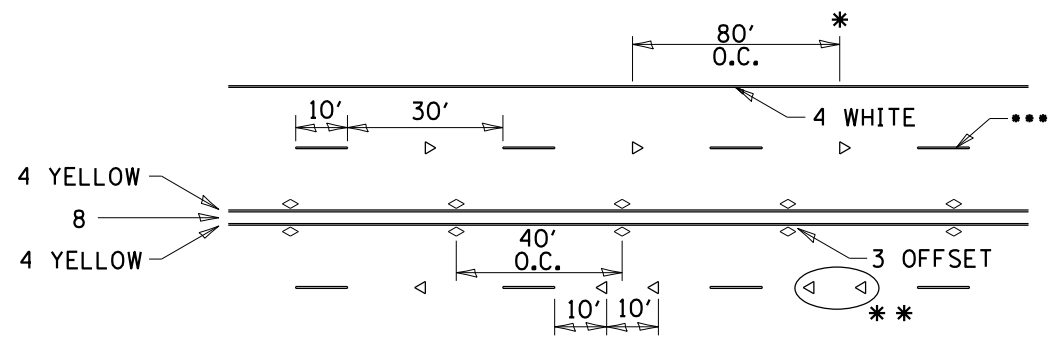
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	38
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED

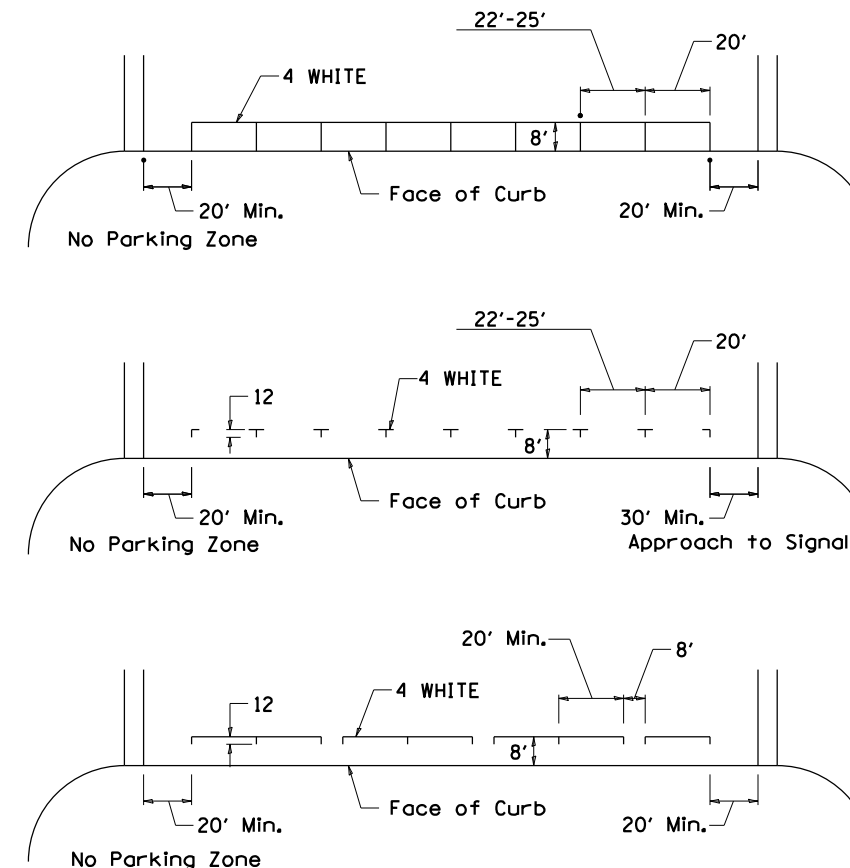


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT > 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

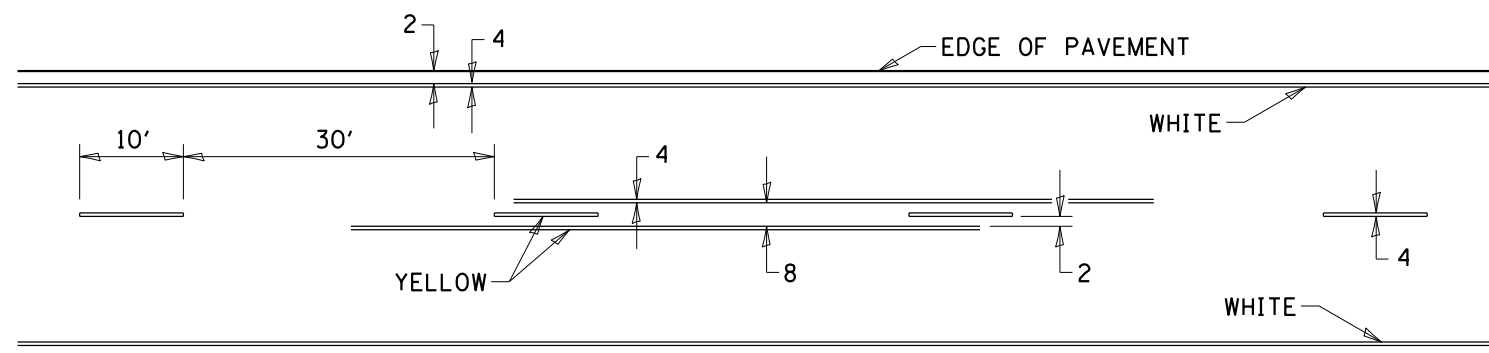
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

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USER NAME = satyam	DESIGNED - SM	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED - BKC	REVISED -
PLOT DATE = 8/3/2020	DRAWN - RDA	REVISED -
	CHECKED - BKC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
TYPICAL PAVEMENT MARKINGS (41.1)

SCALE N / A SHEET 3 OF 3 SHEETS STA. N / A TO STA. N / A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-3HB	HENRY	39	39
WHA# 1427D18			CONTRACT NO. 64P50	
ILLINOIS FED. AID PROJECT NHPP-86A7(410)				