

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	1
		ILLINOIS	CONTRACT NO. 70G63	

D-95-039-23



FOR INDEX OF SHEETS, SEE SHEET NO. 2

CURRENT TRAFFIC DATA

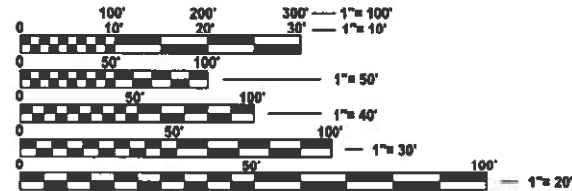
MCLEAN CO. TO PIATT CO.

2021 ADT: 22,900
2031 ADT: 29,800
PU + PC% = 66
SU% = 4
MU% = 29

PROPOSED HIGHWAY PLANS

**FAI ROUTE 74 (I-74)
SECTION MBPM 2024-1
PROJECT NHPP-DSPQ(235)
BRIDGE REPAIRS MISCELLANEOUS
DEWITT COUNTY**

C-95-043-23



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

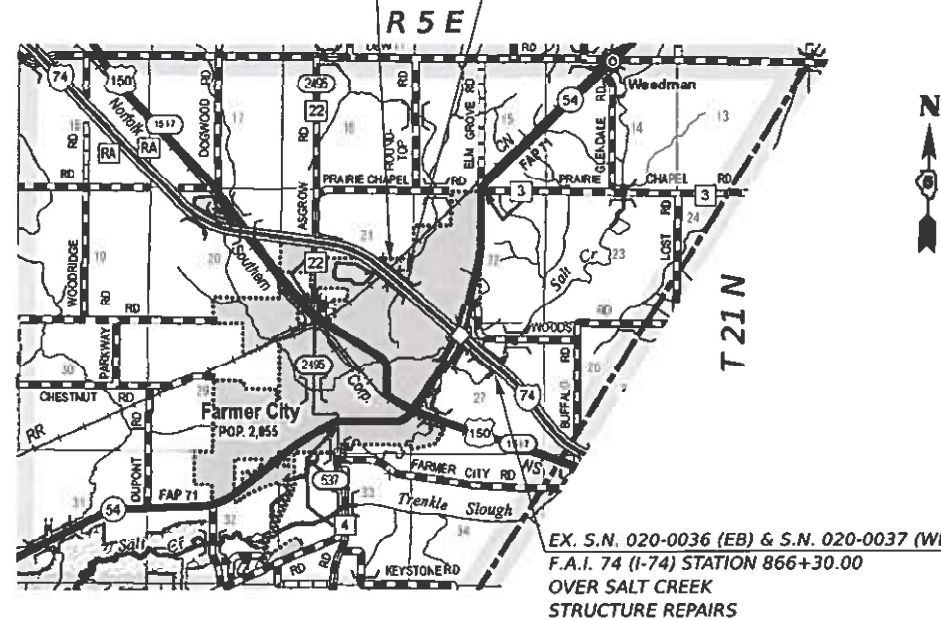
TOWNSHIP: SANTA ANNA

PROJECT ENGINEER: TIM BRANDENBURG
PROJECT MANAGER: ERIC SHAWLER
PHONE NUMBER: (217) 465 - 4181

CONTRACT NO. 70G63

EX. S.N. 020-0030 (EB) & S.N. 020-0031 (WB)
F.A.I. 74 (I-74) STATION 808+07.29
OVER CANADIAN NATIONAL RAILROAD
STRUCTURE REPAIRS

EX. S.N. 020-0032 (EB) & S.N. 020-0033 (WB)
F.A.I. 74 (I-74) STATION 816+90.00
OVER TRIBUTARY TO SALT CREEK
STRUCTURE REPAIRS



GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *November 28, 2023*
Dana A. James
REGIONAL ENGINEER

February 2, 2024
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2024
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS
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5	SCHEDULES
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12-17	STRUCTURE PLANS S.N. 020-0032/0033
18-25	STRUCTURE PLANS S.N. 030-0036/0037
26-27	WIDTH RESTRICTION SIGNING DETAILS
28	TEMPORARY RUMBLE STRIPS
29	PAVEMENT MARKINGS (INTERSTATE & MULTI-LANE APPLICATIONS)

GENERAL NOTES

G.N.-105.09A

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Diane Lewis
 Manager, Public Projects
 CN Railroad
 1006 E 4th Street
 Waterloo, IA 50703
 (319) 472-1031

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

U.S. Flagging Desk
 17641 South Ashland Avenue
 Homewood, Illinois 60430
 (682) 316-5097

SOME RAILROADS REQUIRE CONTRACTORS TO OBTAIN A RIGHT OF ENTRY PERMIT BEFORE ENTERING UPON RAILROAD RIGHT OF WAY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RAILROAD RIGHT OF ENTRY PERMIT FROM THE RAILROAD IF REQUIRED BY THE RAILROAD(S).

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND FOOT
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF ROAD OPERATIONS, MULTILANE MORE THAN 15' AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, ENTRANCE OR EXIT RAMP, FOR SPEEDS >45MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT, OR MOVING OPER. FOR SPEEDS > 45MPH
701901-09	TRAFFIC CONTROL DEVICES
D5 7800BBBB	PAVEMENT MARKINGS (INTERSTATE & MULTI-LANE APPLICATIONS)

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PLOT DATE = 10/17/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STANDARDS, GENERAL NOTES
 HIGH FRICTION SURFACE TREATMENT**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	2
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

DEWITT CO.	DEWITT CO.	DEWITT CO.
FAI 74 (I-74)	FAI 74 (I-74)	FAI 74 (I-74)
RURAL / INTERSTATE	RURAL / INTERSTATE	RURAL / INTERSTATE
BRIDGE DECK REPAIR	BRIDGE DECK REPAIR	BRIDGE DECK REPAIR
S.N. 020-0030 & 0031	S.N. 020-0032 & 0033	S.N. 020-0036 & 0037
90% FED / 10% STATE	90% FED / 10% STATE	90% FED / 10% STATE
0047	0047	0047

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3.0	1.0	1.0	1.0
67100100	MOBILIZATION	L SUM	1.0	0.3	0.35	0.35
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2.0	0.0	1.0	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.3	0.35	0.35
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30.0	10.0	10.0	10.0
* 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	3,840.0	1,240.0	1,240.0	1,360.0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,676.0	530.0	544.0	602.0
X1000002	HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	5,395.0	1,610.0	1,787.0	1,998.0
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	16.0	4.0	4.0	8.0
X4510050	HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	900.0	265.0	300.0	335.0
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.3	0.35	0.35
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	15.0	5.0	5.0	5.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.3	0.35	0.35
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	43.0	13.0	14.00	16.00

* SPECIALTY ITEM

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PLOT DATE = 10/27/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES HIGH FRICTION SURFACE TREATMENT			
SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	3
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING - WATER BLASING - LINE 6"								
								78300202
								PAVEMENT MARKING - REMOVAL WATER BLASING
ITEM	LINE TYPE	LOCATION	FROM STA.	OFFSET	TO STA.	OFFSET	STRIPES	SQ FT
INTERSTATE 74 STRUCTURE 020-0030 (EB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	806+85	0	809+20	0	6.0	30.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+85	12' RT	809+20	12' RT	NA	117.5
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+85	12' LT	809+20	12' LT	NA	117.5
INTERSTATE 74 STRUCTURE 020-0031 (WB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	806+95	0	809+30	0	6.0	30.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+95	12' RT	809+30	12' RT	NA	117.5
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+95	12' LT	809+30	12' LT	NA	117.5
INTERSTATE 74 STRUCTURE 020-0032 (EB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	815+65	0	818+07	0	6.0	30.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' RT	818+07	12' RT	NA	121.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' LT	818+07	12' LT	NA	121.0
INTERSTATE 74 STRUCTURE 020-0033 (EB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	815+65	0	818+07	0	6.0	30.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' RT	818+07	12' RT	NA	121.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' LT	818+07	12' LT	NA	121.0
INTERSTATE 74 STRUCTURE 020-0036 (EB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	864+97	0	867+63	0	7.0	35.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+97	12' RT	867+63	12' RT	NA	133.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+97	12' LT	867+63	12' LT	NA	133.0
INTERSTATE 74 STRUCTURE 020-0037 (EB)								
LANE LINE	SD	ACROSS STRUCTURE FAI 74	864+97	0	867+63	0	7.0	35.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+97	12' RT	867+63	12' RT	NA	133.0
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+97	12' LT	867+63	12' LT	NA	133.0
CONTRACT 70G63 SUB-TOTALS								1676.0
ROUNDED								1676.0

SD = SKIP-DASH

PAVEMENT MARKING - LINE 6"									
								78008330	
								POLYUREA PAVEMENT MARKINGS TYPE II - LINE 6"	
ITEM	LINE TYPE	LOCATION	FROM STA.	OFFSET	TO STA.	OFFSET	STRIPES	FOOT	
INTERSTATE 74 STRUCTURE 020-0030 (EB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	806+65	0	809+40	0	7.0	YELLOW	WHITE
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+65	12' RT	809+40	12' RT	NA		275
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+65	12' LT	809+40	12' LT	NA	275	
INTERSTATE 74 STRUCTURE 020-0031 (WB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	806+75	0	809+50	0	7.0		70
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+75	12' RT	809+50	12' RT	NA	275	
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	806+75	12' LT	809+50	12' LT	NA		275
INTERSTATE 74 STRUCTURE 020-0032 (EB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	815+45	0	818+20	0	7.0		70
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+45	12' RT	818+20	12' RT	NA	275	
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+45	12' LT	818+20	12' LT	NA		275
INTERSTATE 74 STRUCTURE 020-0033 (WB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	815+65	0	817+07	0	7.0		70
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' RT	817+07	12' RT	NA	275	
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	815+65	12' LT	817+07	12' LT	NA		275
INTERSTATE 74 STRUCTURE 020-0036 (WB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	864+80	0	867+80	0	8.0		80
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+80	12' RT	867+80	12' RT	NA	300	
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+80	12' LT	867+80	12' LT	NA		300
INTERSTATE 74 STRUCTURE 020-0037 (WB)									
LANE LINE	SD	ACROSS STRUCTURE FAI 74	864+80	0	867+80	0	8.0		80
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+80	12' RT	867+80	12' RT	NA	300	
LANE LINE	SOLID	ACROSS STRUCTURE FAI 74	864+80	12' LT	867+80	12' LT	NA		300
CONTRACT 70G63 SUB-TOTALS								1700.0	2140.0
CONTRACT 70G63 TOTALS								3840.0	
ROUNDED								3840.0	

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PLOT DATE = 10/27/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES HIGH FRICTION SURFACE TREATMENT			
SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.

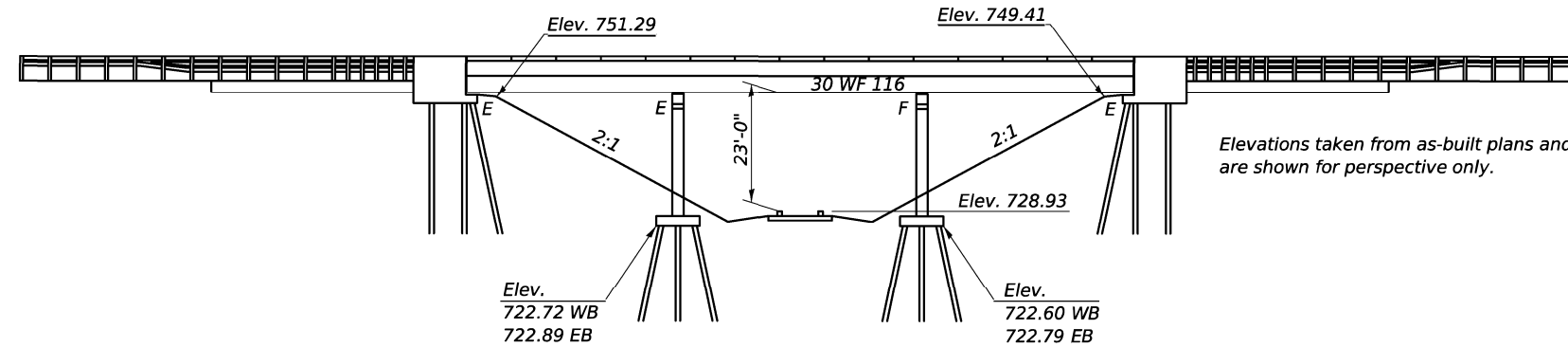
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	5
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

The existing structures were built in 1970 as Route FAI-74, Section 20-1VB-1 at Sta. 808+07.29 in Dewitt County. The structures carry I-74 over the IC Railroad north of Farmer City. In 1975 a waterproofing membrane and HMA wearing surface was placed under Section D5 Bridge Deck Waterproofing 1975-3, Contract 29686. In 2004 the HMA wearing surface was removed and replaced with Section 74(3RS-2, 4-1-RS-1), Contract 70027.

The superstructure consists of six 30" rolled steel beams supporting a 8" R.C. deck and 1 3/4" HMA wearing surface with waterproofing membrane system. The substructure consists of concrete pile supported stub abutments and timber pile supported piers. The structures measure 150'-0" bk. to bk. abutments and 42'-0" out to out of deck. The horizontal clearance is 38'-6" from face to face of hub guard. The spans measure 45'-10", 53'-8", and 45'-10".

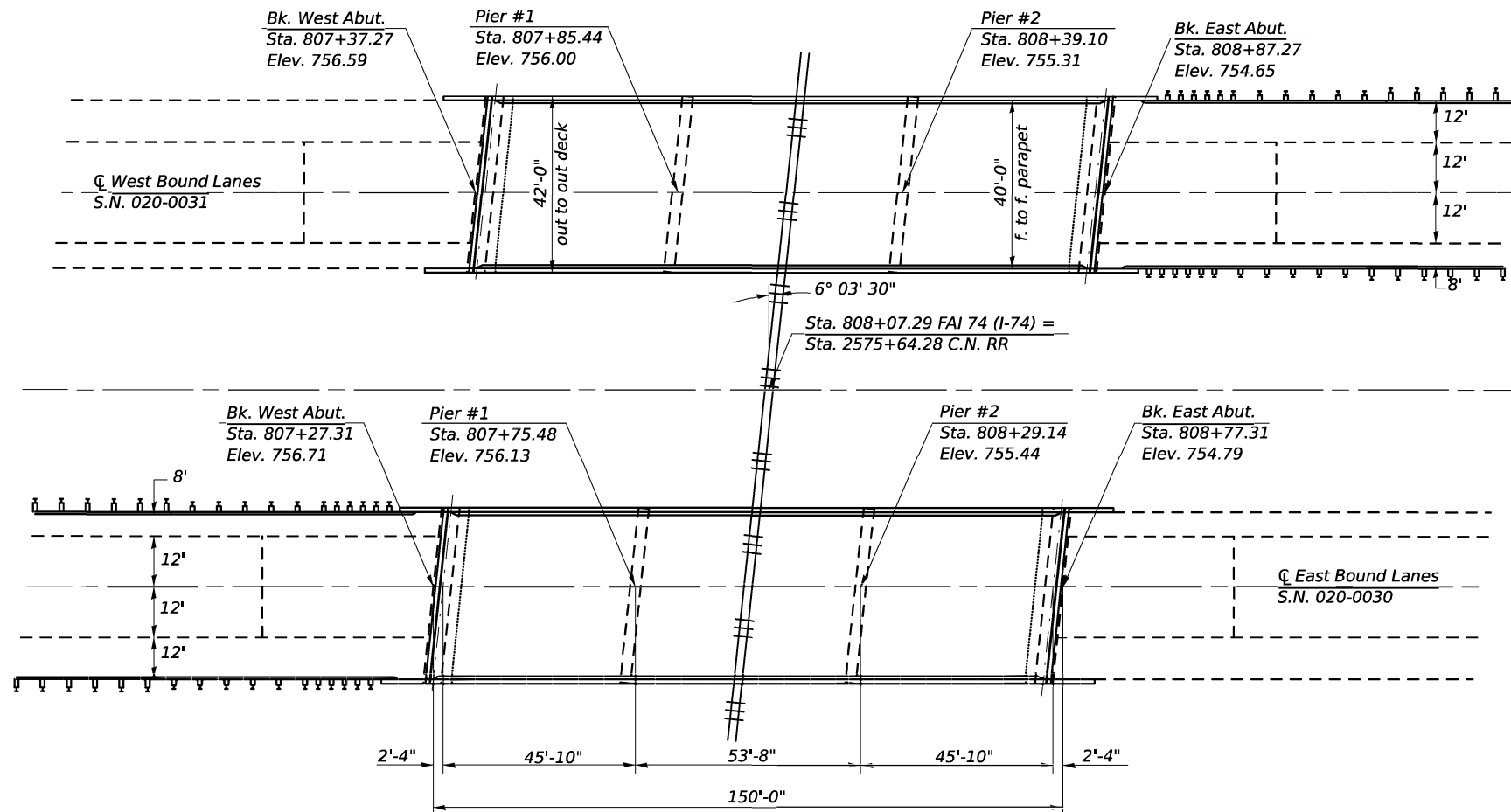
Work shall be completed with stage construction standard 701401.

GENERAL PLAN & ELEVATION
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



Elevations taken from as-built plans and are shown for perspective only.

ELEVATION VIEW



PLAN VIEW

SCOPE OF WORK

1. Perform Partial Depth Patching in Approachs and Bridge Deck.
2. Diamond Grind Bridge Deck and Approach Slab at a depth of 1/8".
3. Place High Friction Surface Treatment Crack Filling on Bridge Deck and Approach Slabs.
4. Place High Friction Surface Treatment on Bridge Deck and Approach Slabs.

TOTAL BILL OF MATERIALS

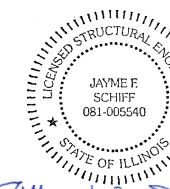
ITEM	UNIT	TOTAL
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	1,610.0
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	265.0
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	5.0
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	13.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,489.0

GENERAL NOTES

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

* DUE TO THE EXISTING CONCRETE OVERLAY TYPE, TWO PASSES (1/8" MAX. REMOVAL) OF DIAMOND GRINDING (BRIDGE SECTION) IS REQUIRED TO PROVIDE A CLEANER DECK SURFACE PRIOR TO SAND-BLASTING AS REQUIRED IN THE SPECIAL PROVISION.

EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE TEMPORARY COVERED PRIOR TO APPLICATIONS OF THE DECK SURFACE TREATMENT TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKERS. THE TEMPORARY COVERING SHALL BE REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC COST IS INCLUDED WITH THE DECK SURFACE TREATMENT SPECIFIED.



Jayme F. Schiff
 EXPIRES 11-30-2024

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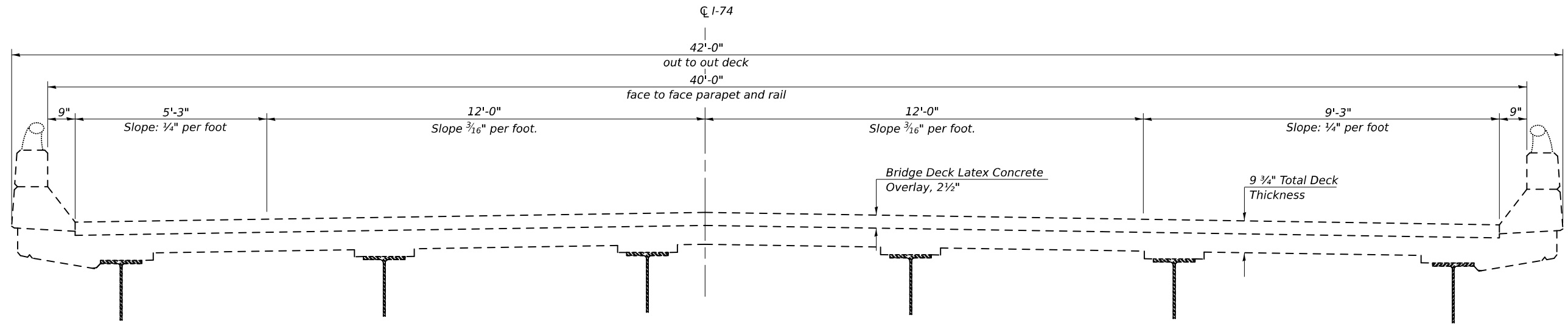
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 S.N.020-0030 (EB) & S.N. 020-0031 (WB)

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

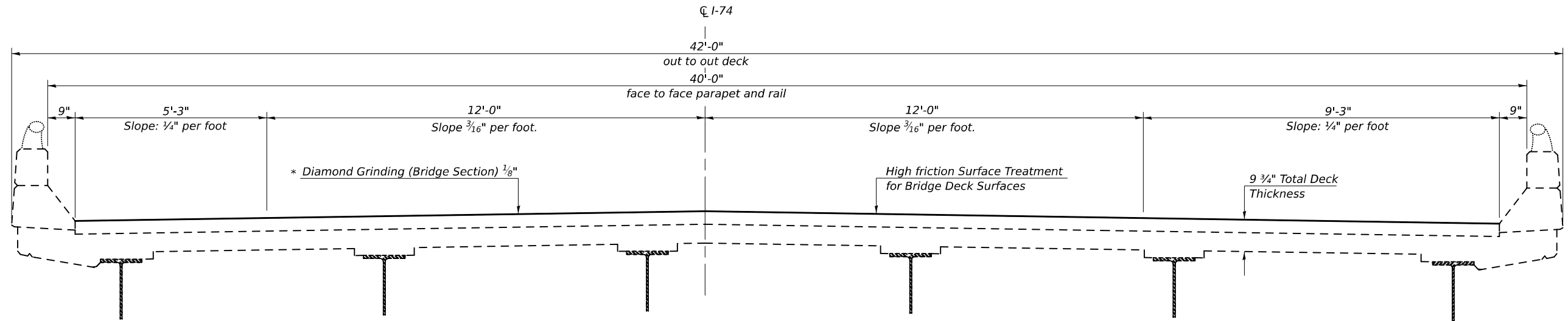
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	6
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

EXISTING DECK CROSS SECTION
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



Looking East on East Bound Structure
Looking West of West Bound Structure

PROPOSED DECK CROSS SECTION
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



Looking East on East Bound Structure
Looking West of West Bound Structure

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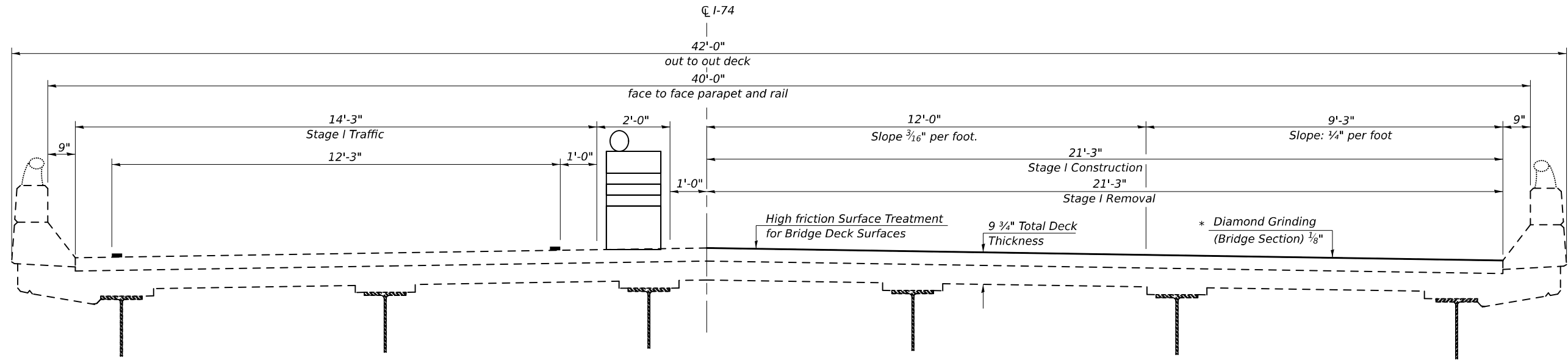
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK CROSS SECTION			
S.N. 020-0030 (EB) S.N. 020-0031 (WB)			
SCALE:	SHEET 2	OF 6 SHEETS	STA. TO STA.

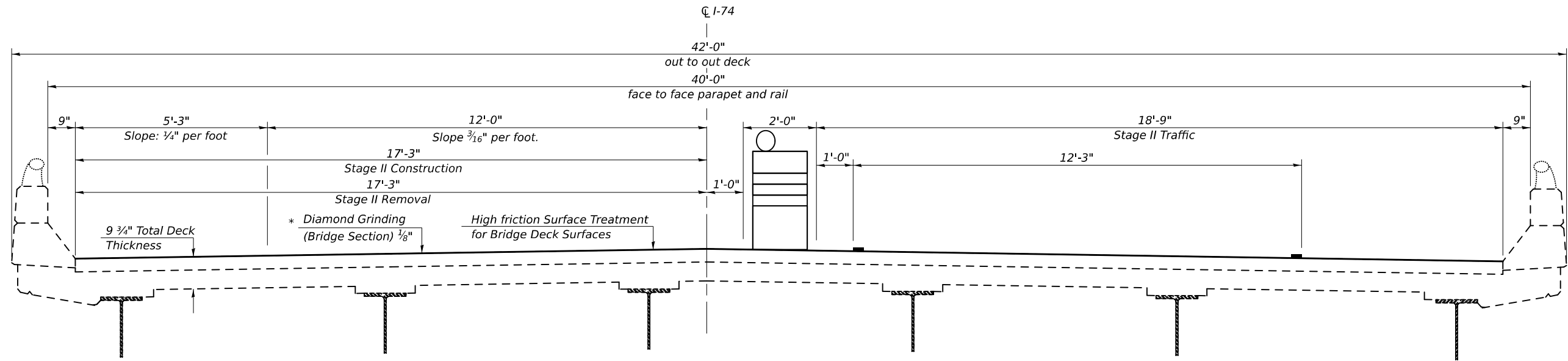
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74	MBPM 2024-1	DEWITT	29	7
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

STAGE I CONSTRUCTION DETAILS
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



*Looking East on East Bound Structure
 Looking West of West Bound Structure*

STAGE II CONSTRUCTION DETAILS
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



*Looking East on East Bound Structure
 Looking West of West Bound Structure*

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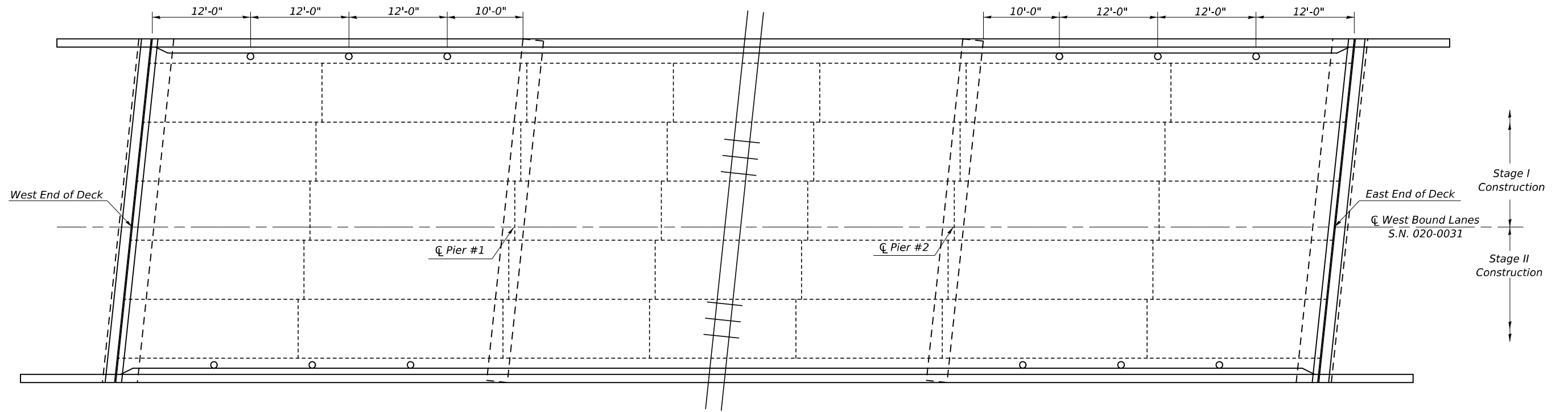
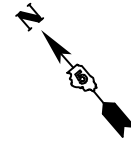
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGING DECK CROSS SECTION
 S.N. 020-0030 (EB) S.N. 020-0031 (WB)**

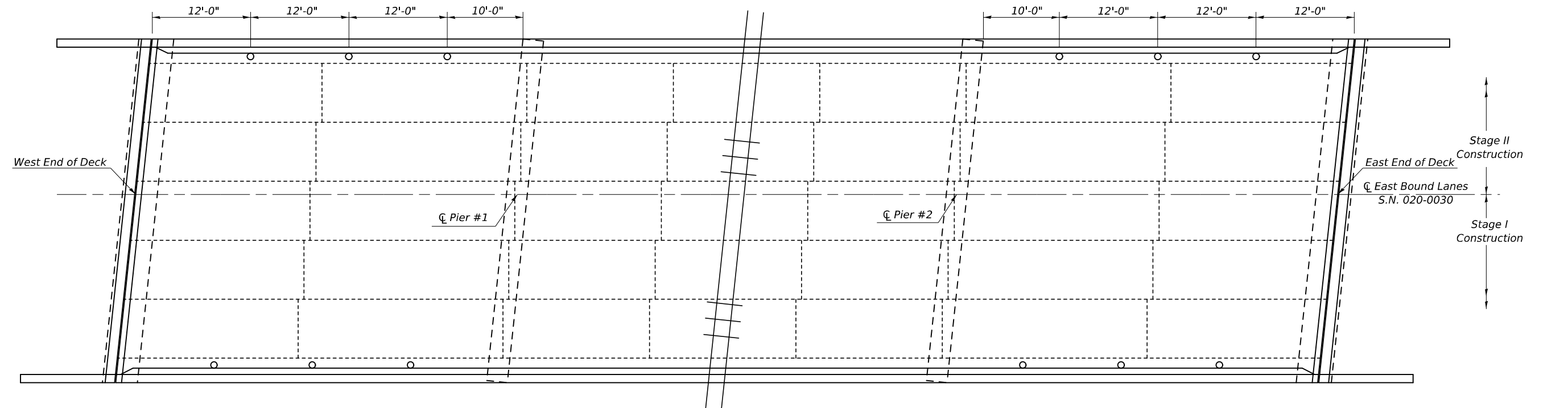
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	8
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (DECK)
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



PLAN VIEW
S.N. 020-0031 (WB)



PLAN VIEW
S.N. 020-0030 (EB)

NOTE

An Estimated 1 Percent of the Deck Area is included Should Additional Deck Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Location of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0030	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	6.5
020-0031	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	6.5

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PLOT DATE = 10/5/2023	DATE -	REVISED -

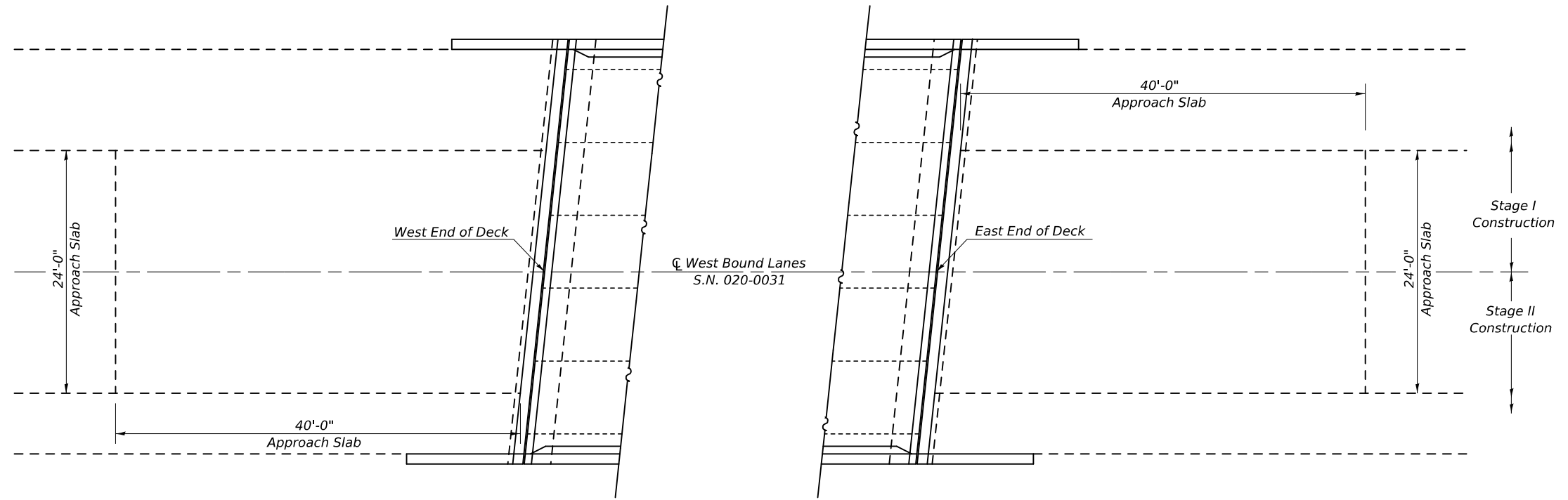
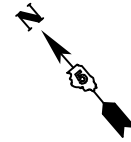
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL DEPTH PATCHING DETAILS (DECK)
S.N. 020-0030 (EB) S.N. 020-0031 (WB)

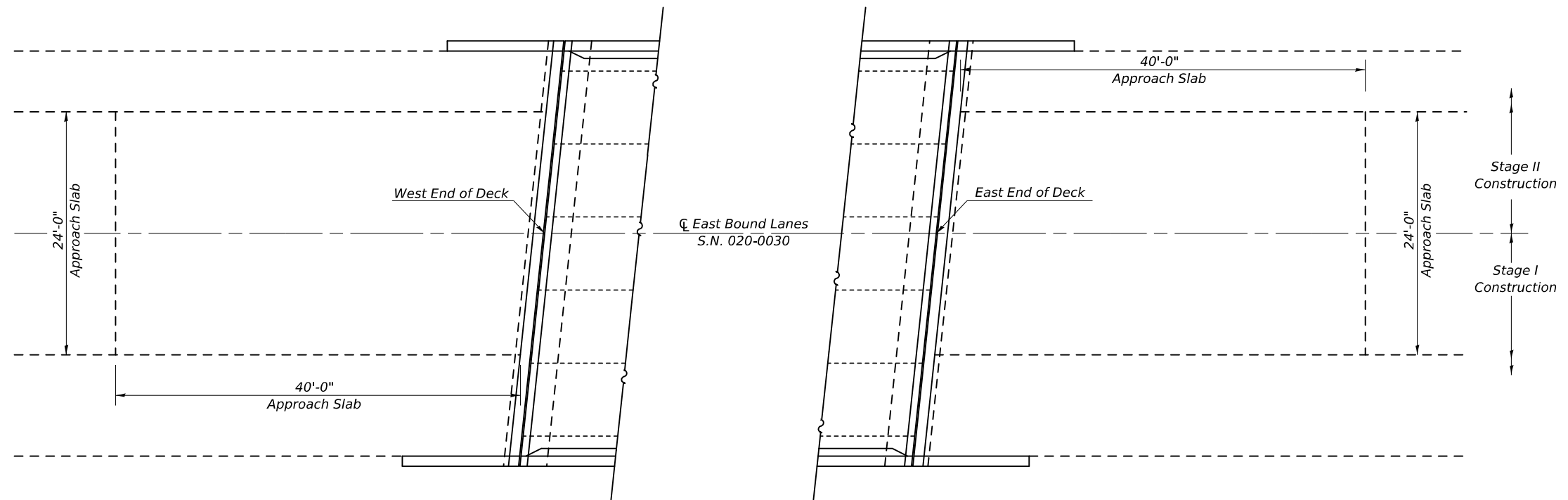
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	28	10
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (APPROACH)
S.N. 020-0030 (EB) & S.N. 020-0031 (WB)



PLAN VIEW
 S.N. 020-0031 (WB)



PLAN VIEW
 S.N. 020-0030 (EB)

NOTE

An Estimated 1 Percent of the Slab Area is included Should Additional Approach Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Location of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0030	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5
020-0031	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5

MODEL: Structure Plans (Sheet)
 FILE NAME: c:\p\work\ericshawleres\0200031\0570663_Sht_Structures.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
DRAWN - ESS	REVISOR -	REVISION -
PLOT SCALE = 0.16666633' / in.	CHECKED - TJB	REVISOR -
PLOT DATE = 10/13/2023	DATE -	REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PARTIAL DEPTH PATCHING (APPROACH)
S.N. 020-0030 (EB) S.N. 020-0031 (WB)

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

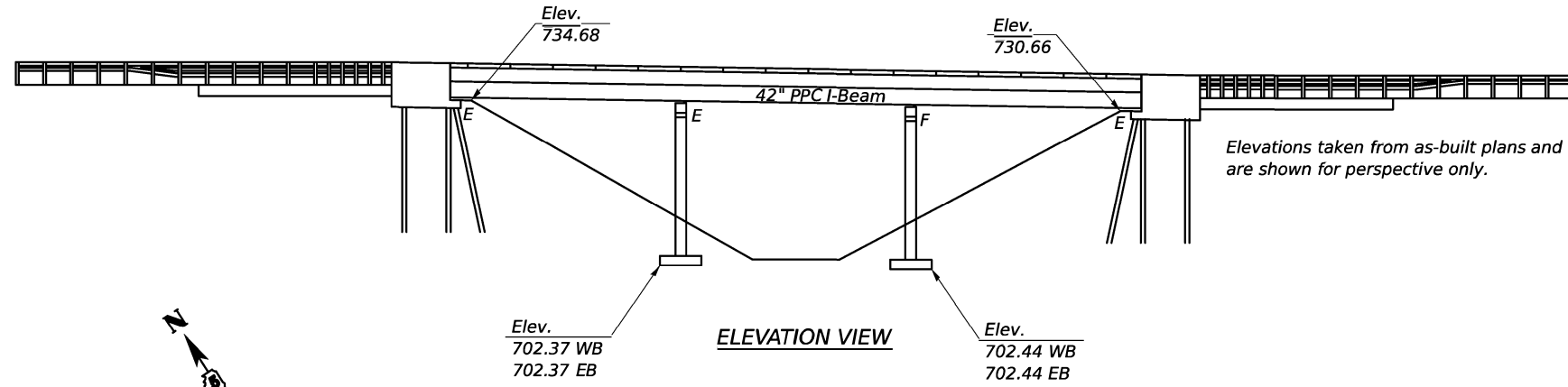
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	11
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

The existing structures were built in 1970 as Route FAI-74, Section 20-1B at Sta. 816+90 in Dewitt County. The structures carry I-74 over the Tributary to Salt Creek north of Farmer City. In 1975 a waterproofing membrane and HMA wearing surface was placed under Section D5 Bridge Deck Waterproofing 1975-3, Contract 29686. In 2004 the HMA wearing surface was removed and replaced with Section 74(3RS-2, 4-1-RS-1), Contract 70027. In 2008 the District 5 Bridge Crew made repairs to SN 020-0033 consisting of spot hatch block replacements and joint replacements at the east abutment. In 2010 the District 5 Bridge Crew made repairs to SN 020-0032, consisting of hatch block replacements and driving lane wearing surface replacement.

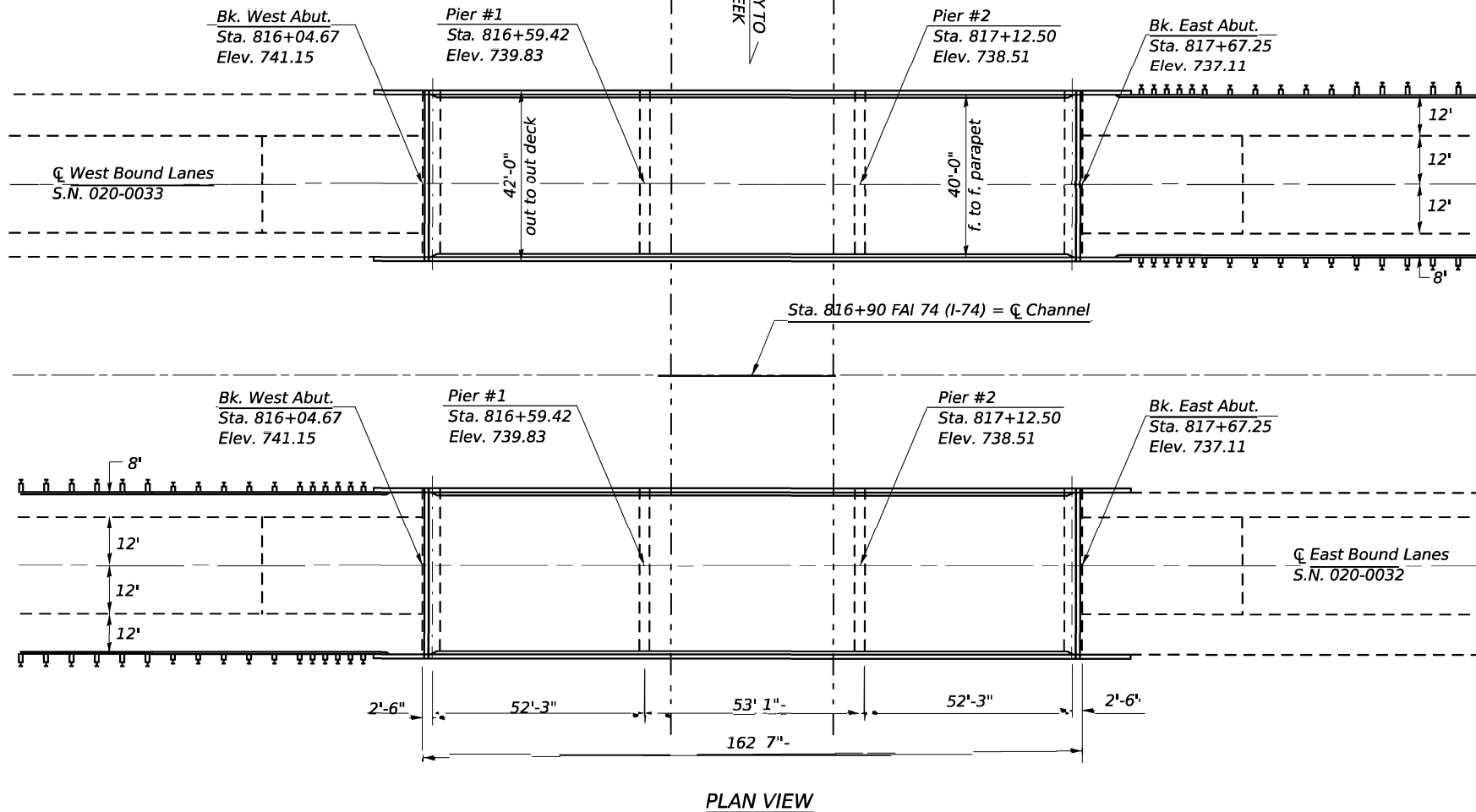
The superstructure consists of six 42" Precast Prestressed Concrete I-Beams supporting a 7½" R.C. deck and 1¾" HMA wearing surface with waterproofing membrane system. The substructure consists of concrete pile supported stub abutments and concrete pile supported piers. The structures measure 162'-7" bk. to bk. abutments and 42'-0" out to out of deck. The horizontal clearance is 38'-6" from face to face of hub guard. The spans measure 52'-3", 53'-1", and 52'-3".

Work shall be completed with stage construction standard 701401,

GENERAL PLAN & ELEVATION
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



Elevations taken from as-built plans and are shown for perspective only.



SCOPE OF WORK

1. Perform Partial Depth Patching in Approachs and Bridge Deck.
2. Diamond Grind Bridge Deck and Approach Slab at a depth of ¼".
3. Place High Friction Surface Treatment Crack Filling on Bridge Deck and Approach Slabs.
4. Place High Friction Surface Treatment on Bridge Deck and Approach Slabs.

TOTAL BILL OF MATERIALS

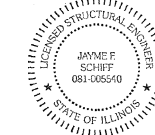
ITEM	UNIT	TOTAL
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	1,787.0
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	300.0
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	5.0
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	14.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,647.0

GENERAL NOTES

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

* DUE TO THE EXISTING CONCRETE OVERLAY TYPE, TWO PASSES (½" MAX. REMOVAL) OF DIAMOND GRINDING (BRIDGE SECTION) IS REQUIRED TO PROVIDE A CLEANER DECK SURFACE PRIOR TO SAND-BLASTING AS REQUIRED IN THE SPECIAL PROVISION.

EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE TEMPORARY COVERED PRIOR TO APPLICATIONS OF THE DECK SURFACE TREATMENT TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKERS. THE TEMPORARY COVERING SHALL BE REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC COST IS INCLUDED WITH THE DECK SURFACE TREATMENT SPECIFIED.



EXPIRES 11-30-2024

Jayne F. Schiff

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	DRAWN - ESS	REVISED -
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PLOT DATE = 10/5/2023	DATE -	REVISED -

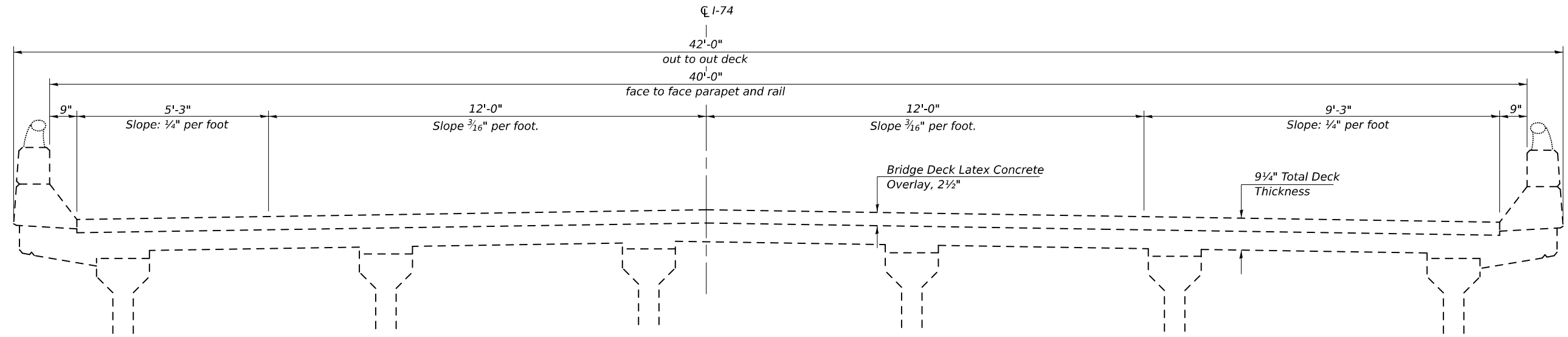
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 020-0032 (EB) S.N. 020-0033 (WB)

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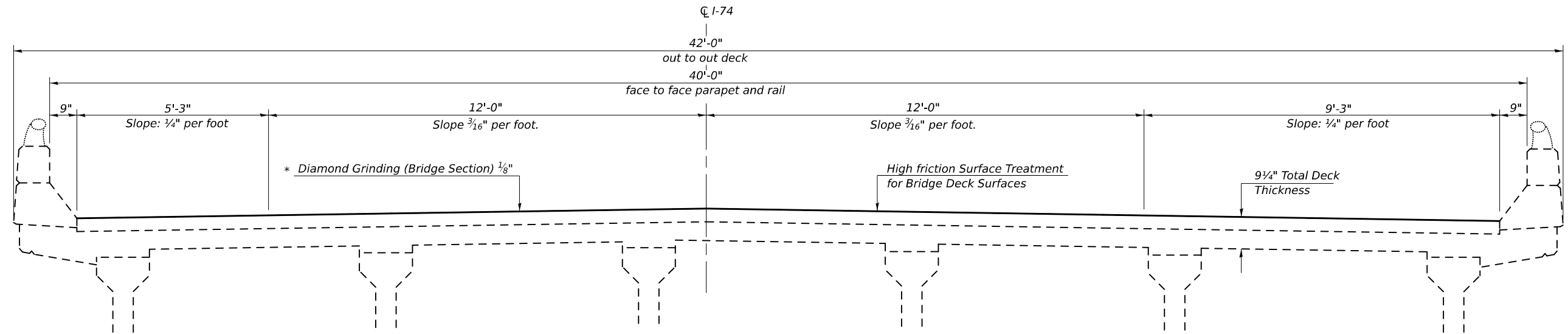
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	28	12
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

EXISTING DECK CROSS SECTION
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



Looking East on East Bound Structure
 Looking West of West Bound Structure

PROPOSED DECK CROSS SECTION
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



Looking East on East Bound Structure
 Looking West of West Bound Structure

MODEL: Structure Plans-8 (Sheet)
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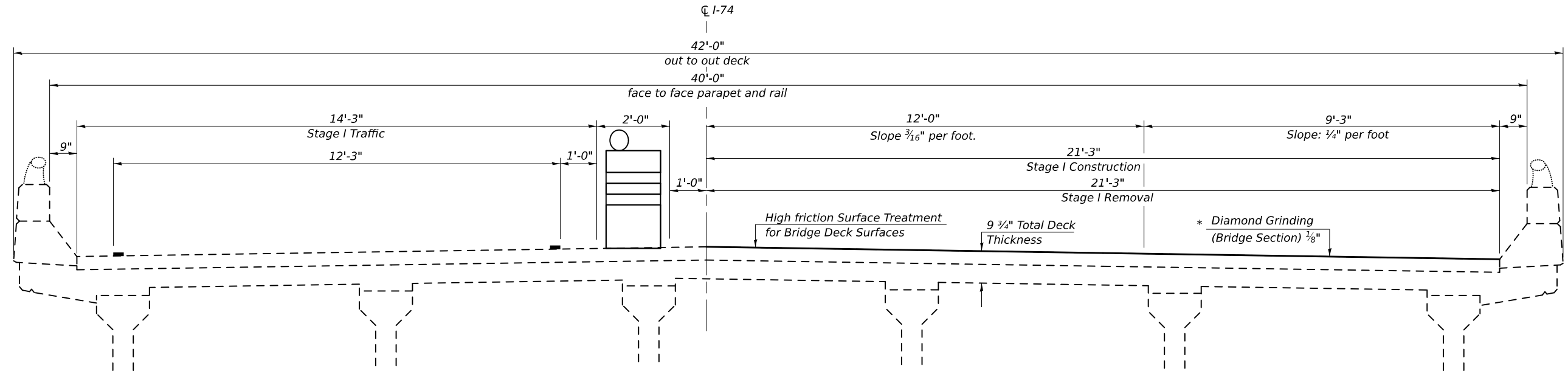
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PLOT DATE = 10/13/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK CROSS SECTIONS			
S.N. 020-0032 (EB) S.N. 020-0033 (WB)			
SCALE:	SHEET 2	OF 6 SHEETS	STA. TO STA.

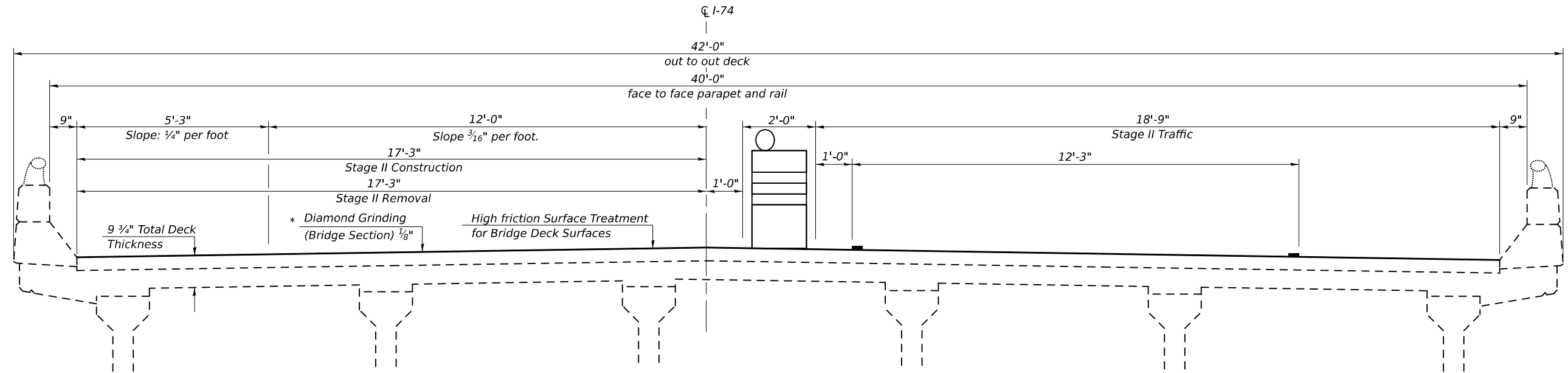
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	13
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

STAGE I CONSTRUCTION DETAILS
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



Looking East on East Bound Structure
Looking West of West Bound Structure

STAGE II CONSTRUCTION DETAILS
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



Looking East on East Bound Structure
Looking West of West Bound Structure

MODEL: Structure Plans-9 (Sheet)
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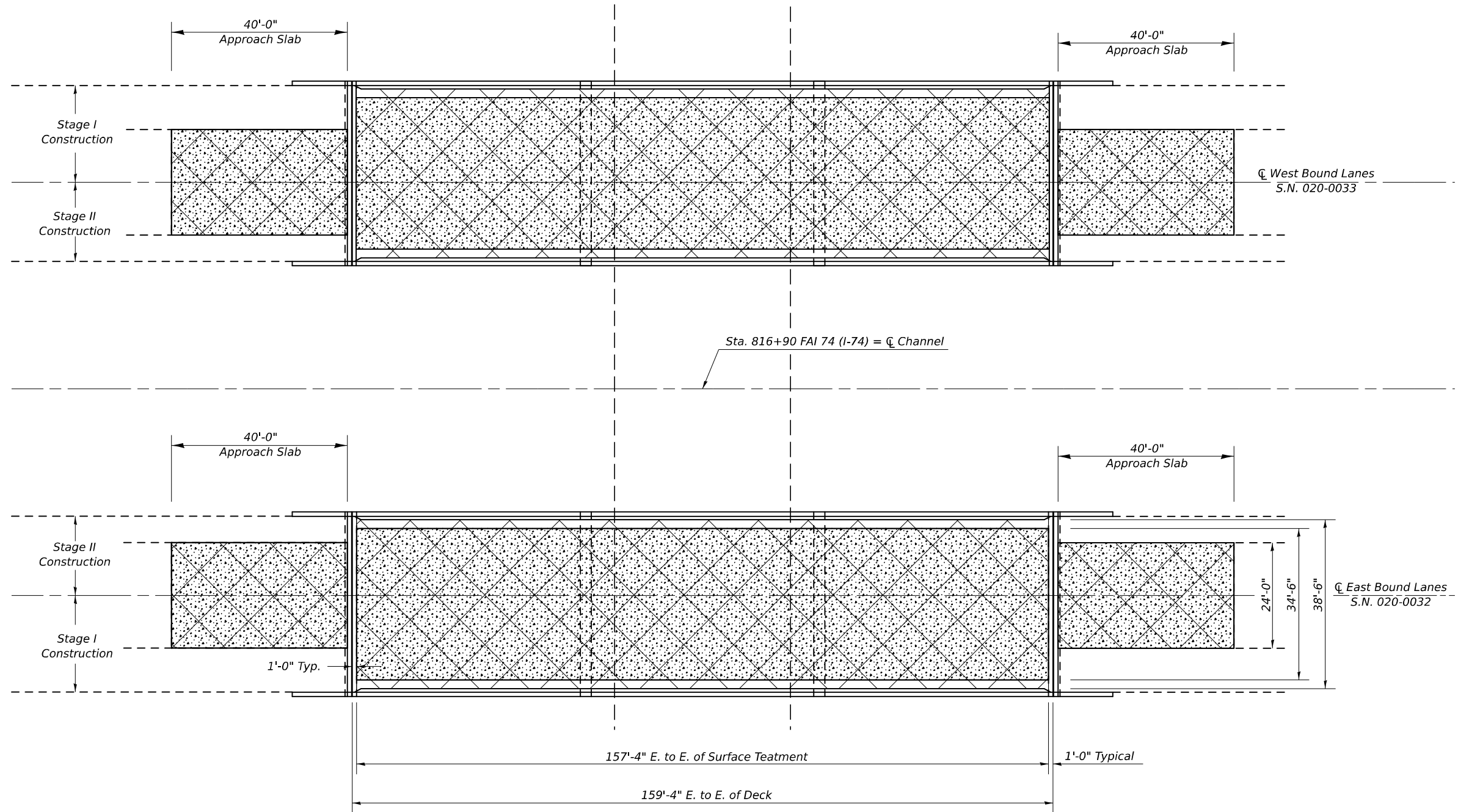
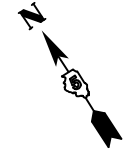
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DECK CROSS SECTIONS
S.N. 020-0032 (EB) S.N. 020-0033 (WB)

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	14
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

WEARING SURFACE PLAN
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



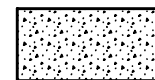
NOTE

Diamond Grinding (Bridge Section) $\frac{1}{8}$ " and High Friction Surface Treatment for Deck Surface Will Not be Applied to the 1'-0" Hatch Block or the 1'-0" Deck Surface.

Deck Drains and Joints Shall be Temporally Covered Before the High Friction Surface Treatment is Applied to Protect and Cover Run Off. The Material Used to Cover the Drains and Joints Shall be Removed and Disposed of Upon the Completion of the High Friction Surface Treatment. Cost Included with High Friction Surface Treatment.

Placement of Overlapping High Friction Surface Treatment Will Not be Allowed at the Wheel Lanes.

LEGEND



* DIAMOND GRINDING (BRIDGE SECTION)



HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES

BILL OF MATERIALS

ITEM	UNIT	TOTAL
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	1,787.0
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	300.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,647.0

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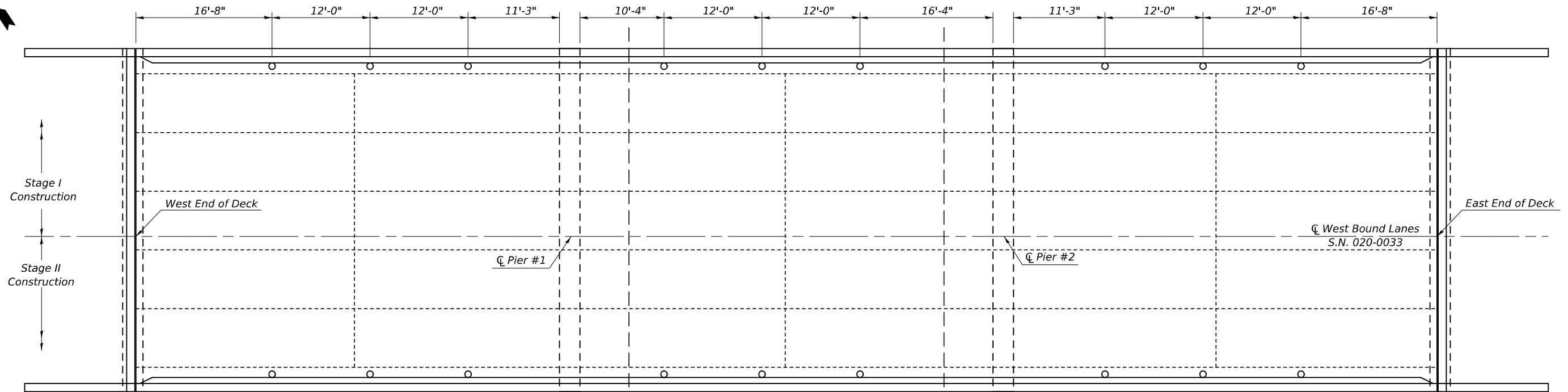
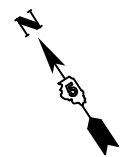
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE PLAN
S.N. 020-0032 (EB) S.N. 020-0033 (WB)

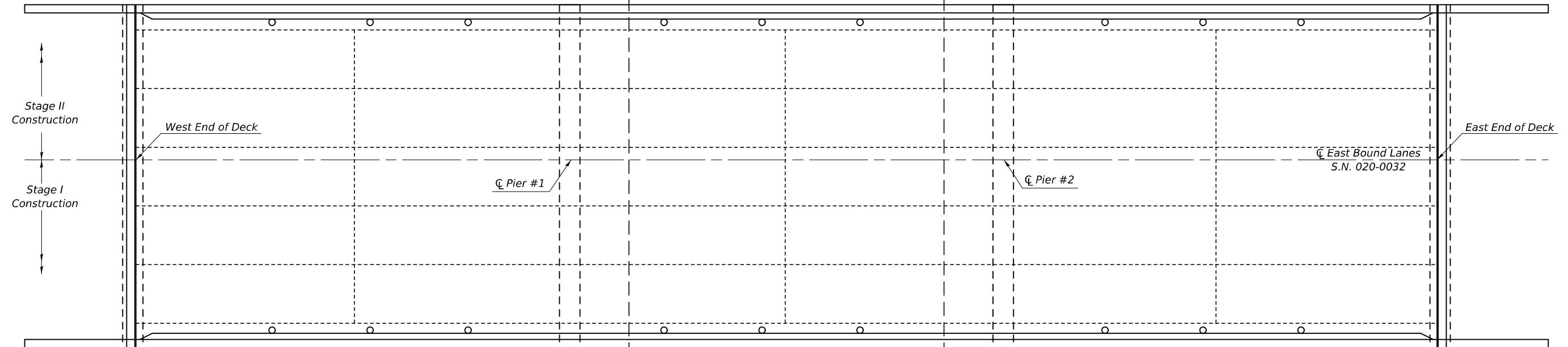
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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	15
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (DECK)
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



PLAN VIEW
 S.N. 020-0033 (WB)



PLAN VIEW
 S.N. 020-0032 (EB)

NOTE

An Estimated 1 Percent of the Deck Area is included Should Additional Deck Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Location of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0032	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	7.0
020-0033	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	7.0

MODEL: Structure Plans-11 (Sheet)
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PLOT DATE = 10/13/2023	CHECKED - TJB	REVISED -
	DATE -	REVISED -

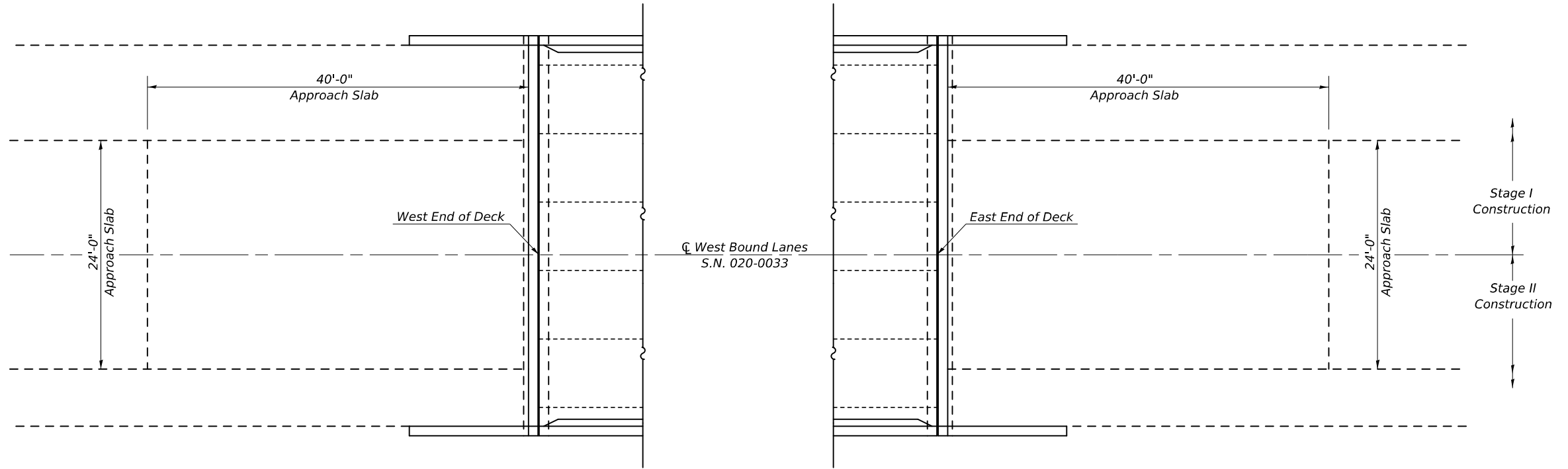
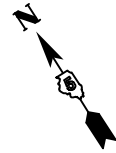
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL DEPTH PATCHING (DECK)
S.N. 020-0032 (EB) S.N. 020-0033 (WB)

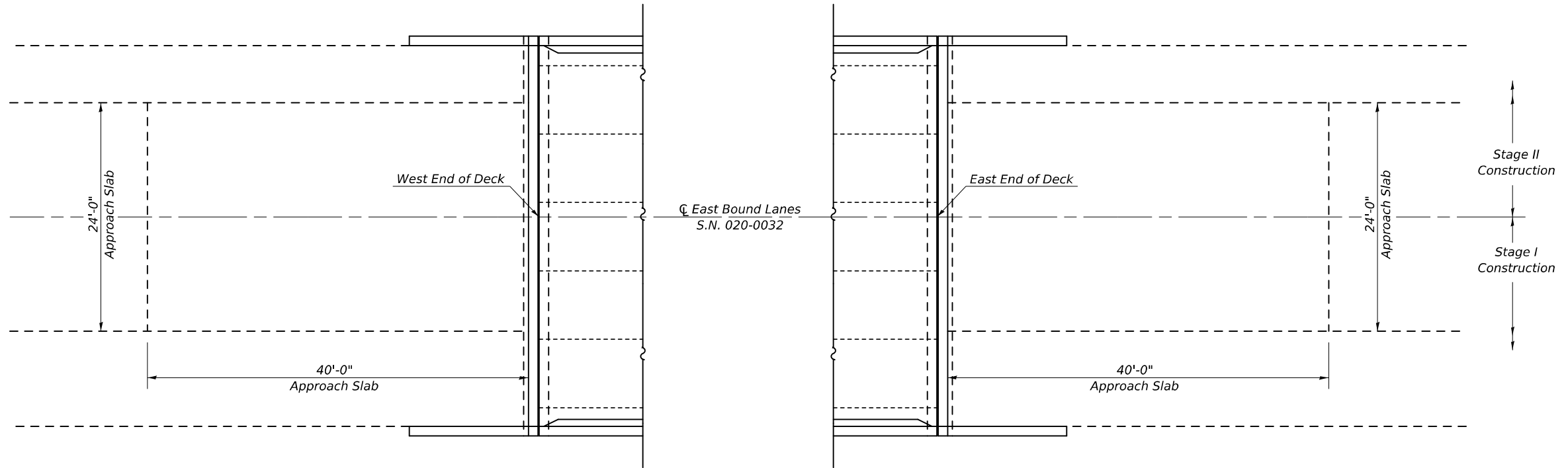
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	16
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (APPROACH)
S.N. 020-0032 (EB) & S.N. 020-0033 (WB)



PLAN VIEW
 S.N. 020-0033 (WB)



PLAN VIEW
 S.N. 020-0032 (EB)

NOTE

An Estimated 1 Percent of the Slab Area is included Should Additional Approach Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Locatrion of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0032	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5
020-0033	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5

MODEL: Structure Plan-12 (Sheet)
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	DRAWN - ESS	REVISED -
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PLOT DATE = 10/13/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PARTIAL DEPTH PATCHING DETAIL (APPROACH)
S.N. 020-0032 (EB) S.N. 020-0033 (WB)

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	17
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

The existing structures were built in 1970 as Route FAI-74, Section 20-1B-1 at Sta. 866+30 in Dewitt County. The structures carry I-74 over Salt Creek east of Farmer City. In 1975 a waterproofing membrane and HMA wearing surface was placed under Section D5 Bridge Deck Waterproofing 1975-3, Contract 29686. In 1989 new joints were installed with Section D5 Bridge Repair, Contract 90084. In 2004 the HMA wearing surface was removed and replaced with Section 74(3RS-2, 4-1-RS-1), Contract 70027.

The superstructure consists of six 48" Precast Prestressed Concrete I-Beams supporting a 7½" R.C. deck and 1¾" HMA wearing surface with waterproofing membrane system. The substructure consists of concrete pile supported stub abutments and piers supported by spread footings. The structures measure 185'-7" bk. to bk. abutments. The spans measure 59'-11", 60'-9", and 59'-11". The north structure measures 42'-0" out to out of deck with a horizontal clearance is 38'-6" from face to face of hub guard. The south structure has an out to out width that varies from 42'-0" to 43'-3" and a horizontal clearance that varies from 38'-6" to 39'-9" face to face of parapet and rail.

Work shall be completed with stage construction standard 701401.

GENERAL PLAN & ELEVATION
S.N. 020-0036 (EB) & S.N. 020-0037 (WB)

SCOPE OF WORK

1. Perform Partial Depth Patching in Approachs and Bridge Deck.
2. Diamond Grind Bridge Deck and Approach Slab at a depth of ¼".
3. Place High Friction Surface Treatment Crack Filling on Bridge Deck and Approach Slabs.
4. Place High Friction Surface Treatment on Bridge Deck and Approach Slabs.

TOTAL BILL OF MATERIALS

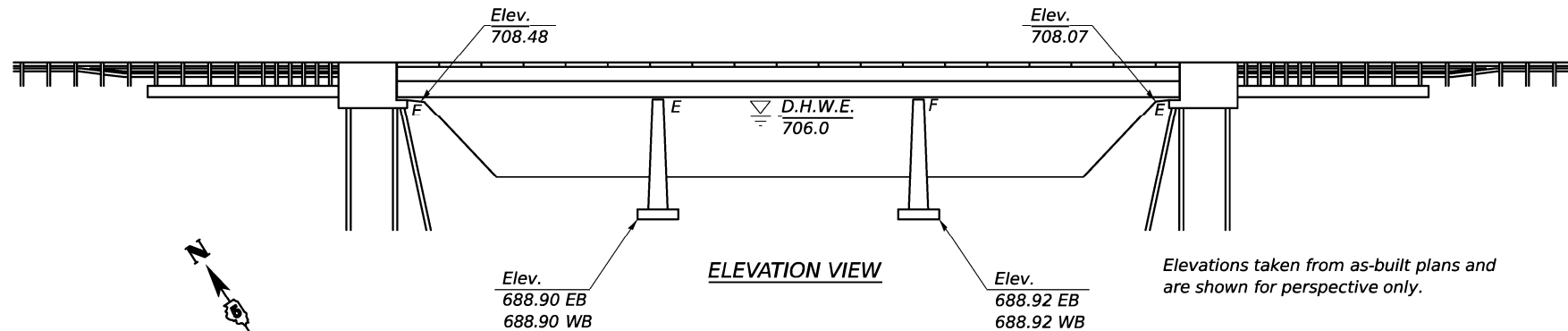
ITEM	UNIT	TOTAL
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	1,998.0
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	335.0
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	5.0
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	16.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,838.0

GENERAL NOTES

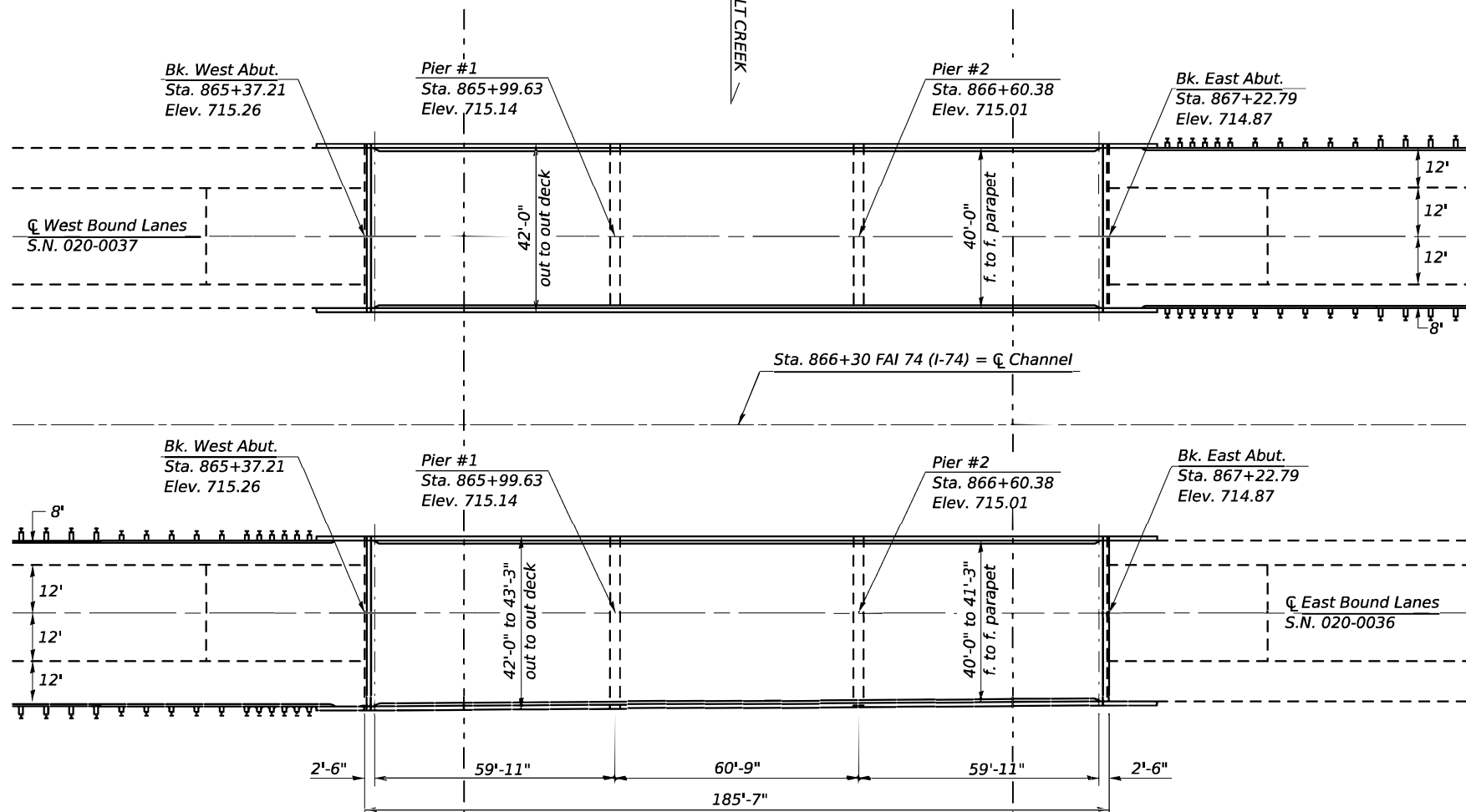
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS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

* DUE TO THE EXISTING CONCRETE OVERLAY TYPE, TWO PASSES (¼" MAX. REMOVAL) OF DIAMOND GRINDING (BRIDGE SECTION) IS REQUIRED TO PROVIDE A CLEANER DECK SURFACE PRIOR TO SAND-BLASTING AS REQUIRED IN THE SPECIAL PROVISION.

EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE TEMPORARY COVERED PRIOR TO APPLICATIONS OF THE DECK SURFACE TREATMENT TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKERS. THE TEMPORARY COVERING SHALL BE REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC COST IS INCLUDED WITH THE DECK SURFACE TREATMENT SPECIFIED.



Elevations taken from as-built plans and are shown for perspective only.



PLAN VIEW

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PLOT DATE = 10/27/2023	CHECKED - TJB	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

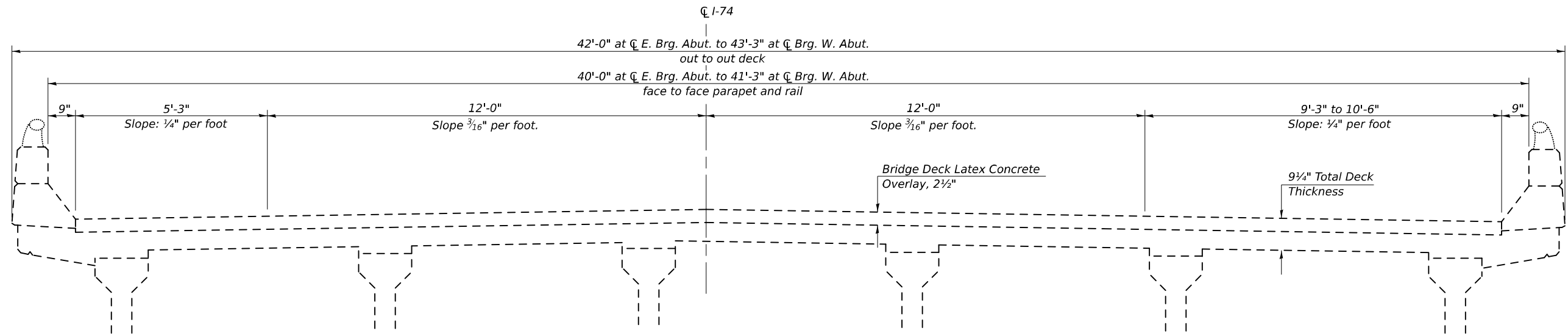
SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

GENERAL PLAN & ELEVATIONS
S.N. 020-0036 (EB) S.N. 020-0037 (WB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	18
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

EXISTING DECK CROSS SECTION

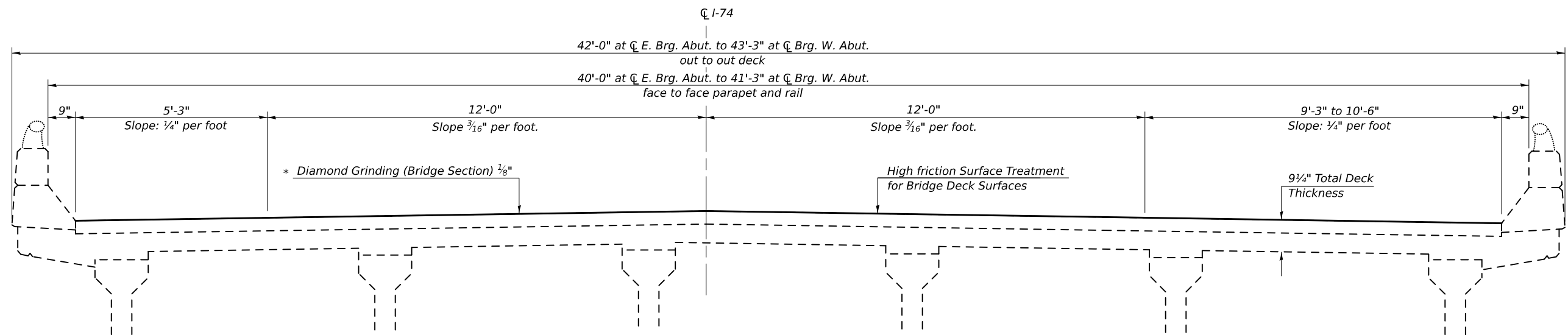
S.N. 020-0036 (EB)



Looking East on East Bound Structure

PROPOSED DECK CROSS SECTION

S.N. 020-0036 (EB)



Looking East on East Bound Structure

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PLOT DATE = 10/27/2023	DATE -	REVISED -

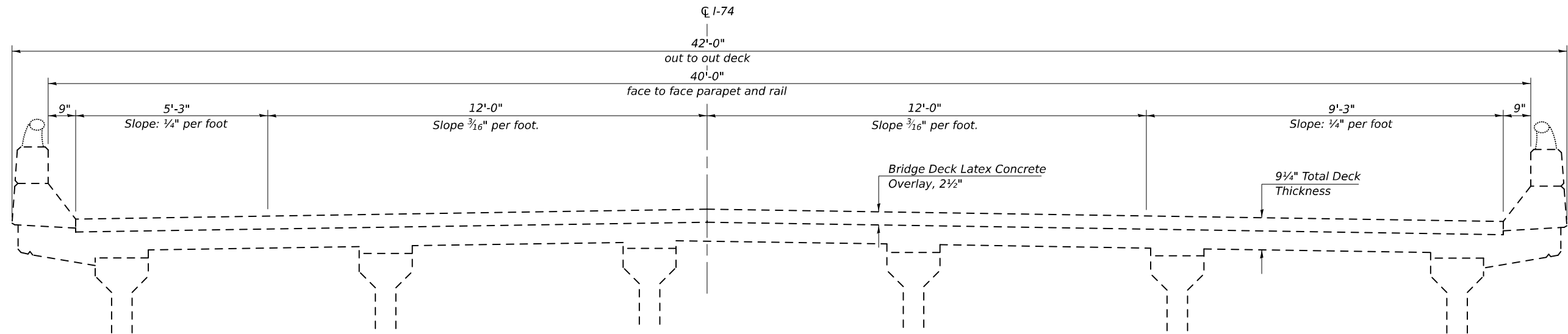
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK CROSS SECTIONS
 S.N. 020-0036 (EB)**

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

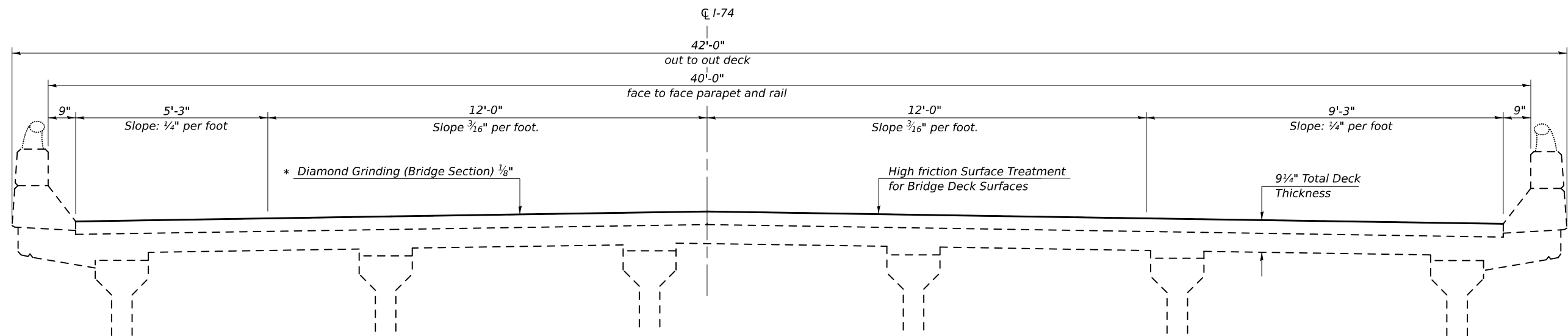
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74	MBPM 2024-1	DEWITT	29	19
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

EXISTING DECK CROSS SECTION
S.N. 020-0037 (WB)



Looking West on West Bound Structure

PROPOSED DECK CROSS SECTION
S.N. 020-0037 (WB)



Looking West on West Bound Structure

MODEL: Structure Plan-15 (Sheet)
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	DRAWN - ESS	REVISED -
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PLOT DATE = 10/27/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

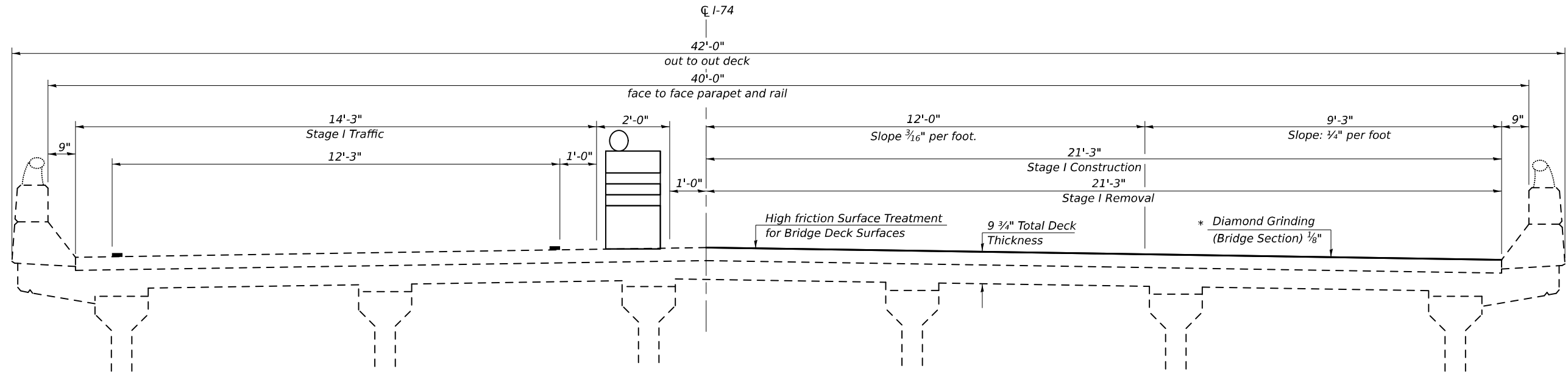
DECK CROSS SECTIONS
S.N. 020-0037 (WB)

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	20
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

STAGE I CONSTRUCTION DETAILS

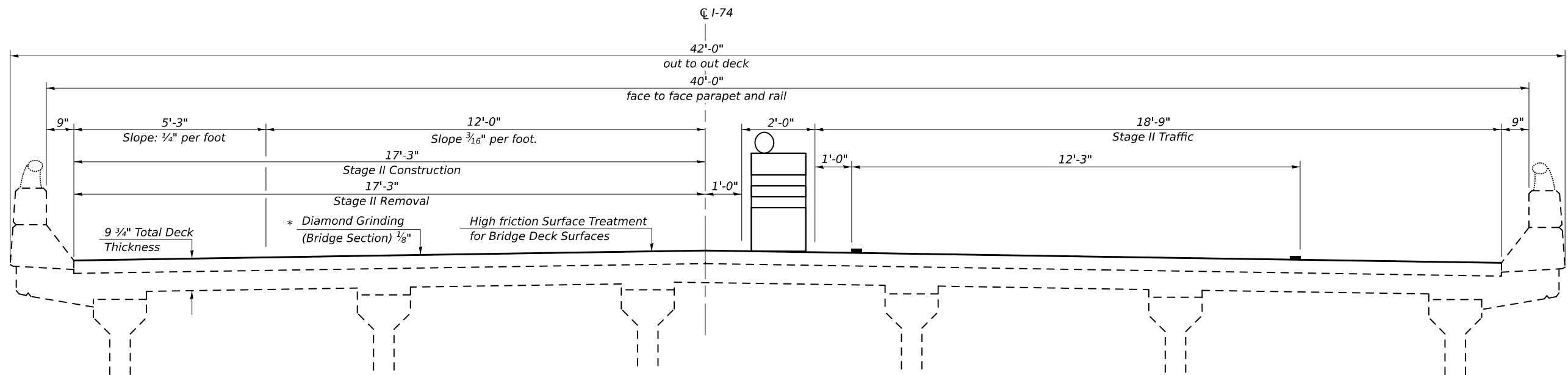
S.N. 020-0036 (EB)



Looking East on East Bound Structure

STAGE II CONSTRUCTION DETAILS

S.N. 020-0036 (EB)



Looking East on East Bound Structure

MODEL: Structure Plan-16 (Sheet)
FILE NAME: c:\p\work\16\16shawleres\16570663_Sht_Structures.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

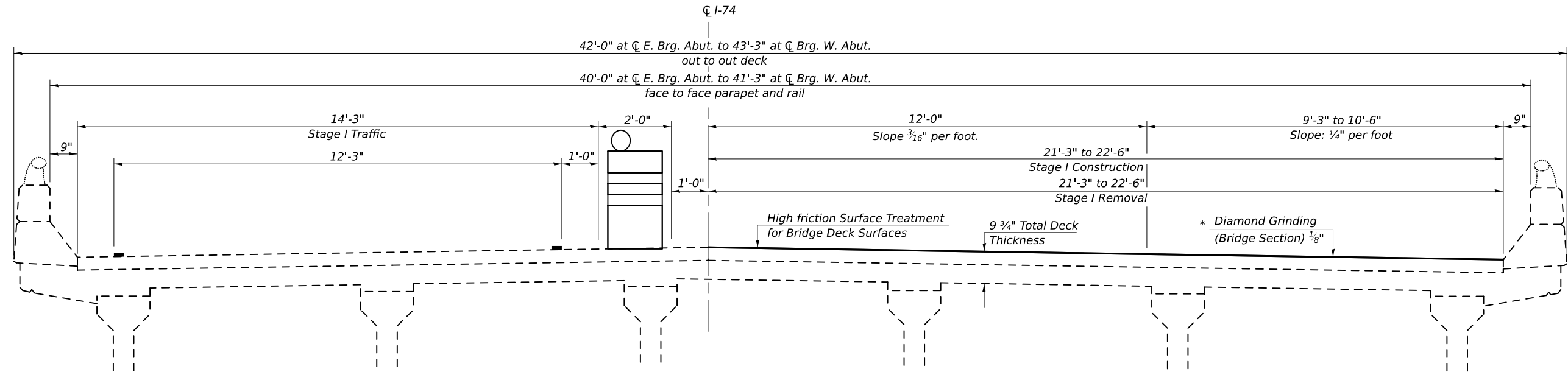
**STAGING - DECK CROSS SECTIONS
S.N. 020-0036 (EB)**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	21
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

STAGE I CONSTRUCTION DETAILS

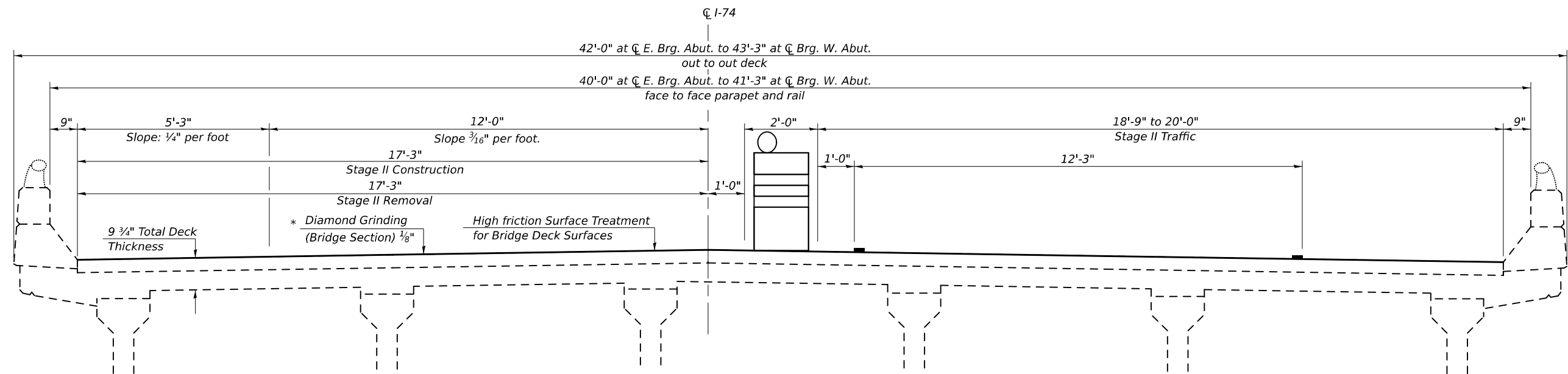
S.N. 020-0037 (WB)



Looking West on West Bound Structure

STAGE II CONSTRUCTION DETAILS

S.N. 020-0037 (WB)



Looking West on West Bound Structure

MODEL: Structure Plans-17 (Sheet)
FILE NAME: c:\p\work\shawleres\0908061\0570663_Sht_Structures.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

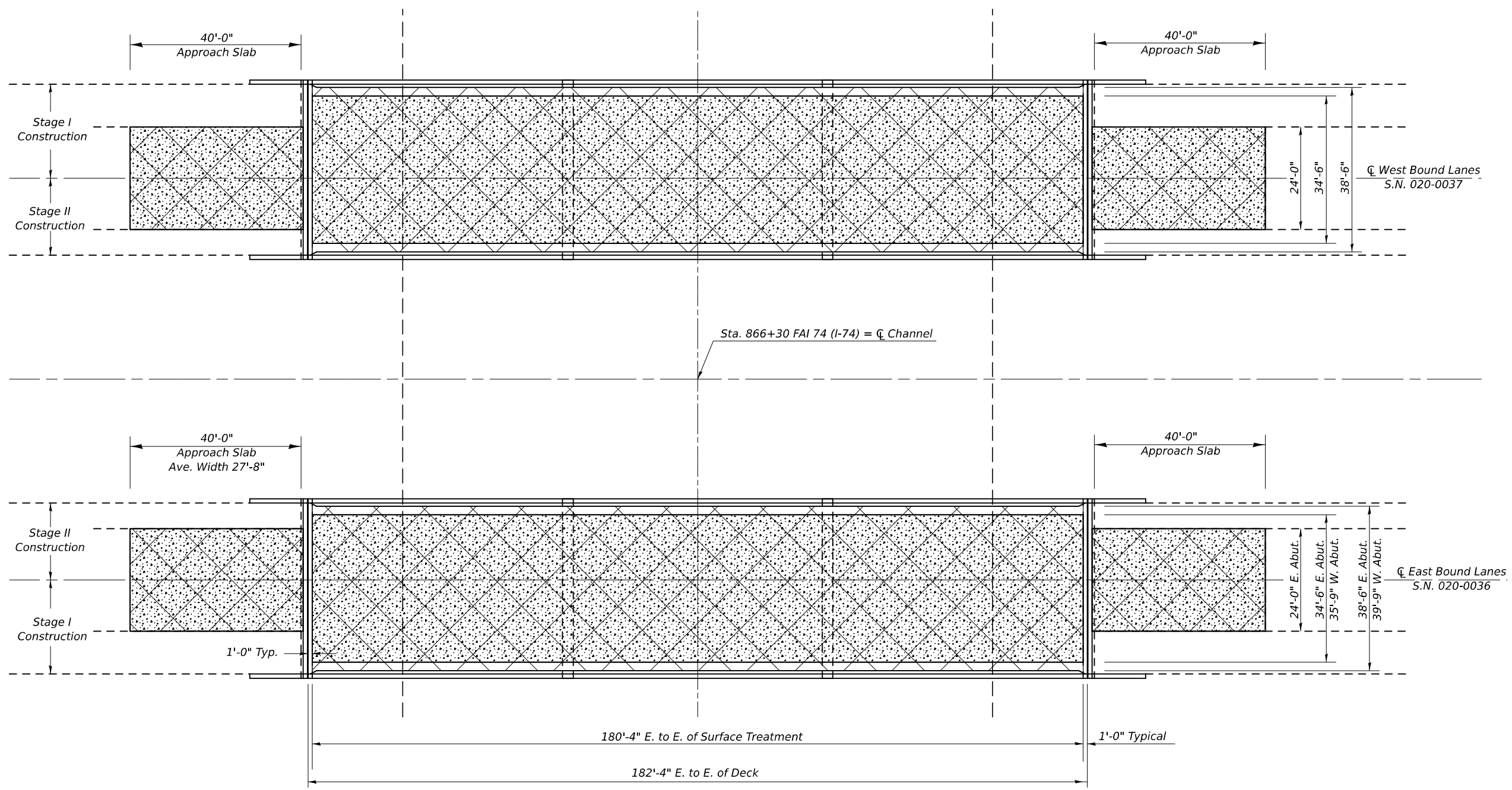
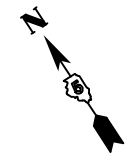
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING - DECK CROSS SECTIONS
S.N. 020-0037 (WB)**

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	22
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

WEARING SURFACE PLAN
S.N. 020-0036 (EB) & S.N. 020-0037 (WB)




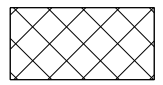
NOTE

Diamond Grinding (Bridge Section) $\frac{1}{8}$ " and High Friction Surface Treatment for Deck Surface Will Not be Applied to the 1'-0" Hatch Block or the 1'-0" Deck Surface.

Deck Drains and Joints Shall be Temporally Covered Before the High Friction Surface Treatment is Applied to Protect and Cover Run Off. The Material Used to Cover the Drains and Joints Shall be Removed and Disposed of Upon the Completion of the High Friction Surface Treatment. Cost Included with High Friction Surface Treatment.

Placement of Overlapping High Friction Surface Treatment Will Not be Allowed at the Wheel Lanes.

LEGEND

-  * DIAMOND GRINDING (BRIDGE SECTION)
-  HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES

BILL OF MATERIALS

ITEM	UNIT	TOTAL
HIGH FRICTION SURFACE TREATMENT FOR BRIDGE DECK SURFACES	SQ YD	1,998.0
HIGH FRICTION SURFACE TREATMENT CRACK FILLING	FOOT	335.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,838.0

MODEL: Structure Plan-18 (Sheet)
 FILE NAME: c:\p\work\p\rd\shawleres\0908061\0570663_Sht_Structures.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN - ESS	REVISED -
PLOT DATE = 10/13/2023	CHECKED - TJB	REVISED -
	DATE -	REVISED -

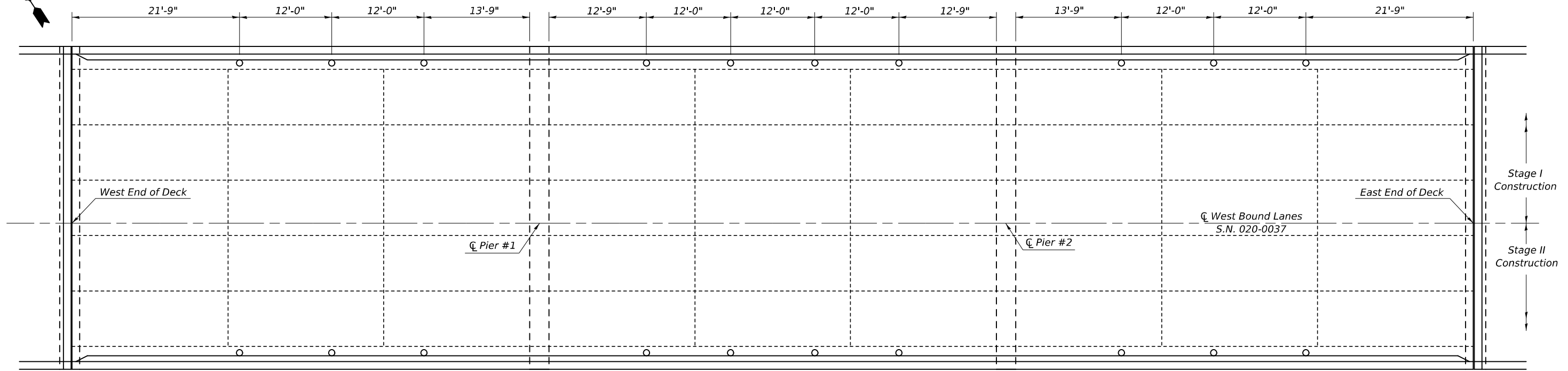
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE PLAN
S.N. 020-0036 (EB) S.N. 020-0037 (WB)

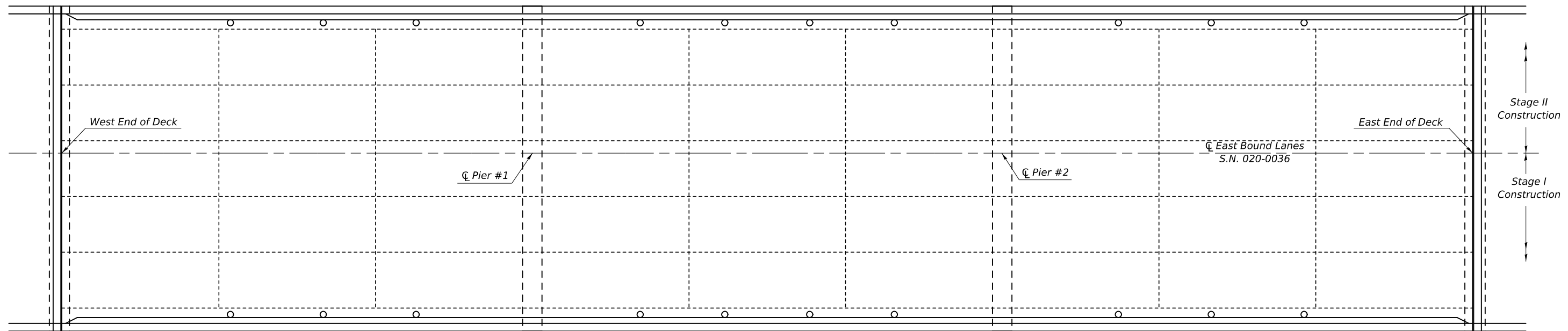
SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	23
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (DECK)
S.N. 020-0036 (EB) & S.N. 020-0037 (WB)



PLAN VIEW
S.N. 020-0037 (WB)



PLAN VIEW
S.N. 020-0036 (EB)

NOTE

An Estimated 1 Percent of the Deck Area is included Should Additional Deck Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Location of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0036	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	8.0
020-0037	DECK SLAB REPAIR (PARTIAL DEPTH)	SQ YD	8.0

MODEL: Structure Plan-19 (Sheet)
 FILE NAME: c:\p\work\bridge\shawleres\0908061\0570663_Sht_Structures.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

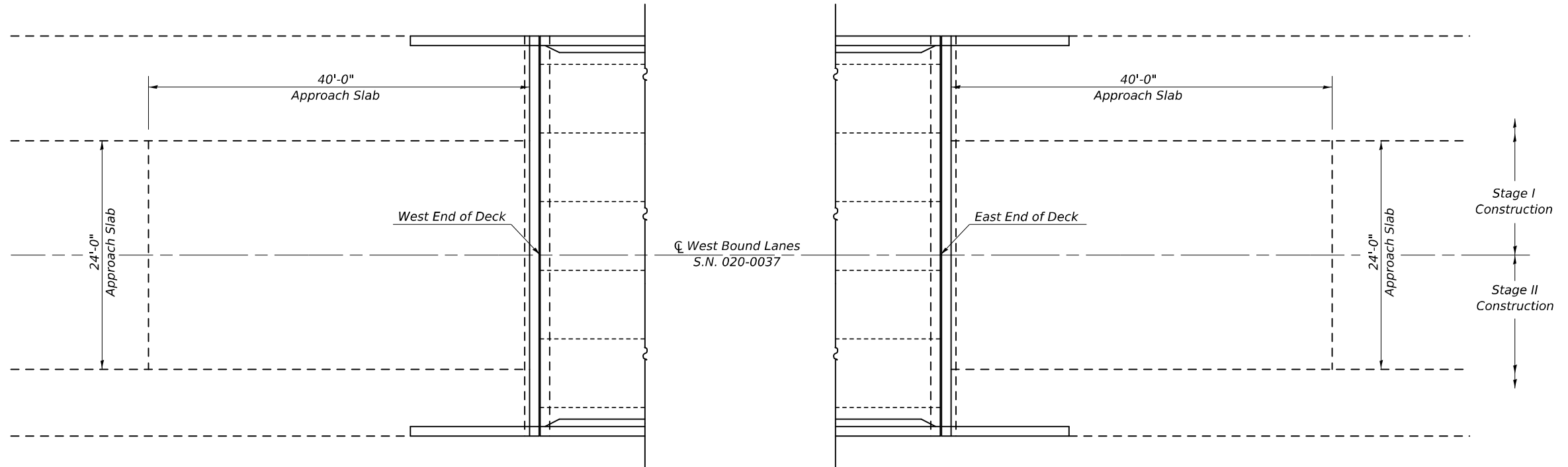
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL DEPTH PATCHING DETAIL (DECK)
S.N. 020-0036 (EB) S.N. 020-0037 (WB)

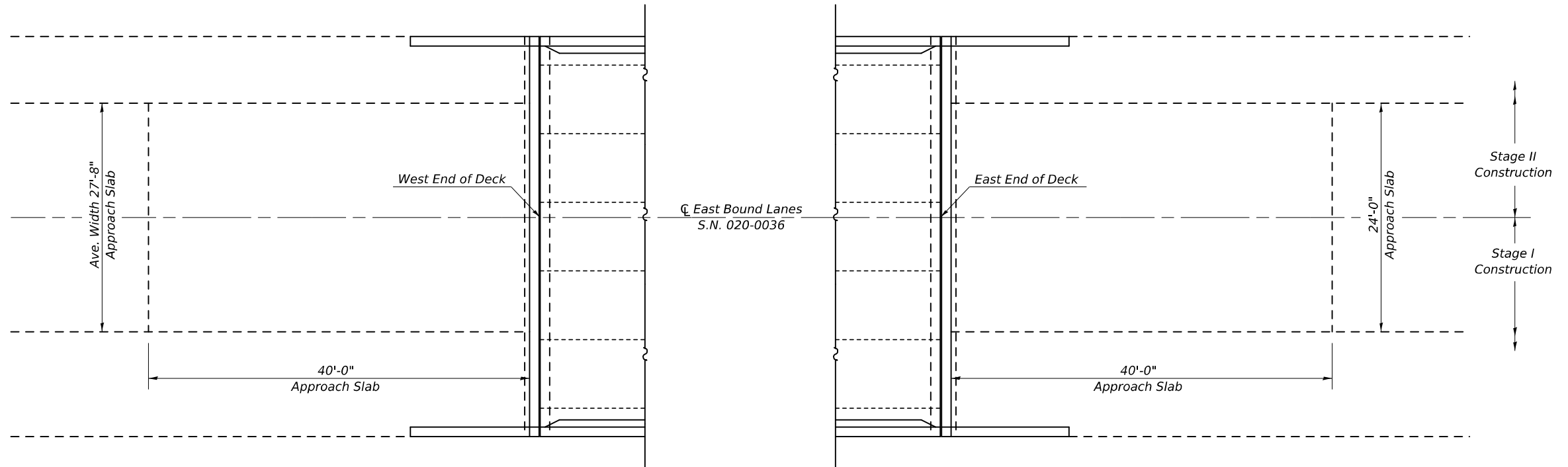
SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	24
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING DETAILS (APPROACH)
S.N. 020-0036 (EB) & S.N. 020-0037 (WB)



PLAN VIEW
 S.N. 020-0037 (WB)



PLAN VIEW
 S.N. 020-0036 (EB)

NOTE

An Estimated 1 Percent of the Slab Area is included Should Additional Approach Slab Repair (Partial) be Required after Diamond grinding (Bridge Section).

The Actual Size and Location of Patching shall be determined by the Engineer. The Engineer Shall Show the Actual Location of the Deck Repairs on this Sheet.

BILL OF MATERIALS

STRUCTURE	ITEM	UNIT	TOTAL
020-0036	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5
020-0037	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	2.5

MODEL: Structure Plan-20 (Sheet)
 FILE NAME: c:\p\work\101\shawleres\10570663_Sht_Structures.dgn

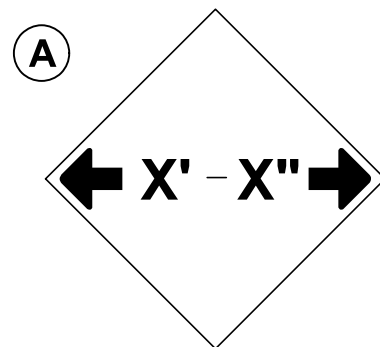
USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN - ESS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 10/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PARTIAL DEPTH PATCHING DETAIL (APPROACH)
S.N. 020-0036 (EB) S.N. 020-0037 (WB)

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

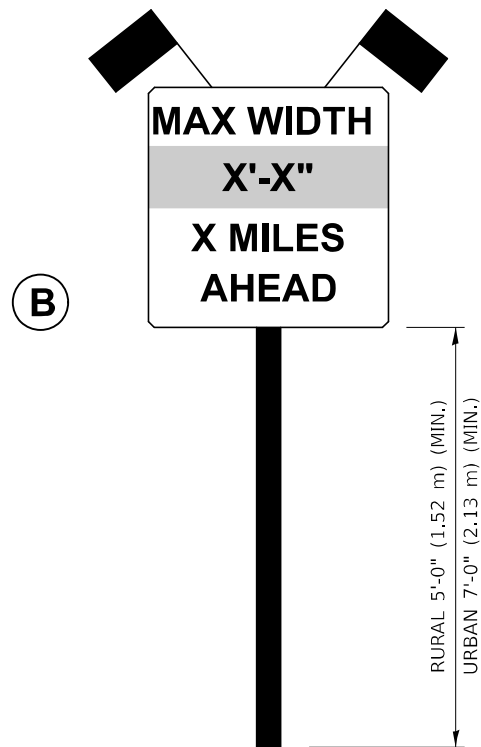
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	25
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				



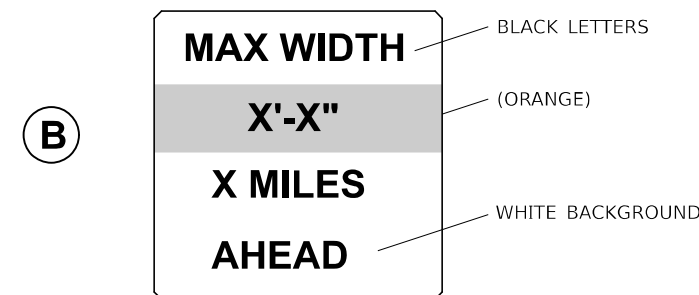
W12-2(O)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-1103(O)-48"x48"(1200x1200)

"D" LETTERS/NUMBERS

STAGE WIDTHS:

STAGE 1 WIDTH = 14'-3" Actual; 12'-9" posted; REQUIRED

STAGE 2 WIDTH = 18'-9" Actual; 17'-3" posted; NOT REQUIRED

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: Width Restriction-1 (Sheet)
FILE NAME: c:\p\work\width\shawleres\0908061\0570663_Sht_Width_Restrictions.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	26
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

WIDTH RESTRICTION SIGNING FOR STRUCTURE REPAIRS NEAR FARMER CITY INTERCHANGE

FAI 74 / US 136 INTERCHANGE

- (B1)** NORTHWEST OF FAI74/US136 INTERCHANGE
ERECT NEAR HEYWORTH/RANTOUL 1/2 MILE
GREENBOARD DUAL DISPLAY; 6 MILES AHEAD 6 MILE
- (A1)** WEST OF FAI74/US136 INTERCHANGE ON US 136
ERECT 150FT PRIOR TO EB ON RAMP BY GREENBOARD
INCLUDE RIGHT ARROW SIGN BELOW WIDTH SIGN →
- (A2)** WEST OF FAI74/US136 INTERCHANGE ON US 136
ERECT 100FT PRIOR TO EB ON RAMP
INCLUDE LEFT ARROW SIGN BELOW WIDTH SIGN ←

FARMER CITY INTERCHANGE

- (A3)** NORTHWEST OF FAI74/IL54 INTERCHANGE ON IL 54
ERECT 150FT PRIOR TO WB ON RAMP BY GREENBOARD
INCLUDE RIGHT ARROW SIGN BELOW WITH SIGN →
- (A4)** EAST OF FAI74/IL54 INTERCHANGE ON IL 54
ERECT 100FT PRIOR TO WB ON RAMP BY GREENBOARD
INCLUDE LEFT ARROW SIGN BELOW WIDTH SIGN ←
- (A5)** WEST OF FAI74/US136 INTERCHANGE ON IL 54
ERECT 100FT PRIOR TO EB ON RAMP
INCLUDE LEFT ARROW SIGN BELOW WIDTH SIGN ←
- (A6)** SOUTHEAST OF FAI74/IL54 INTERCHANGE
ERECT END OF GUARDRAIL STR. 020-0035
INCLUDE RIGHT ARROW SIGN BELOW WITH SIGN →

MANSFIELD INTERCHANGE

- (B2)** EAST OF FAI74/COUNTY ROAD 2 INTERCHANGE
ERECT NEAR MANSFIELD 1/2 MILE GREENBOARD
DUAL DISPLAY; 7 MILES AHEAD 7 MILE
- (A7)** NORTH OF FAI74/CR2 INTERCHANGE ON COUNTY RD 2
ERECT 150FT PRIOR TO WB ON RAMP BY GREENBOARD
INCLUDE RIGHT ARROW SIGN BELOW WIDTH SIGN →
- (A8)** EAST OF FAI74/CR 2 INTERCHANGE ON COUNTY RD 2
ERECT 100FT PRIOR TO WB ON RAMP
INCLUDE LEFT ARROW SIGN BELOW WIDTH SIGN ←



MODEL: Width Restriction-2 (Sheet)
FILE NAME: c:\p\work\width\shawleres\0908061\0570663_Sht_Width_Restrictions.dgn

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DRAWN -	REVISED -	
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PLOT DATE = 10/6/2023	DATE -	REVISED -

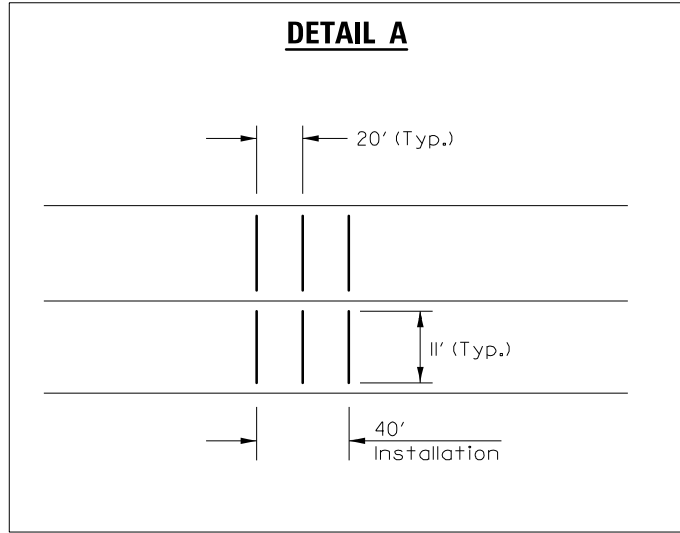
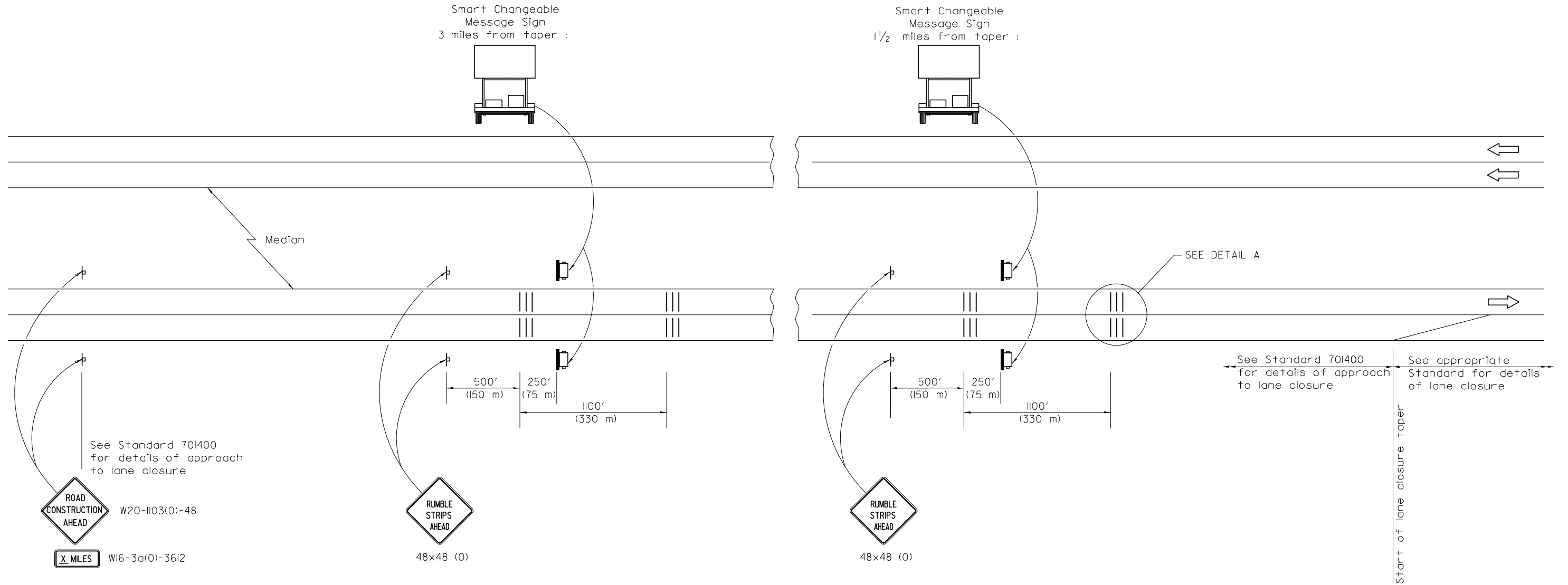
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGN LOCATIONS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	27
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)



SYMBOLS

- ▬ Sign
- ||| Temporary Rumble Strips (Special)
- ☛ Trailer Mounted Sign

GENERAL NOTES

Remove the Temporary Rumble Strips (Special) prior to the removal of the advanced warning signs.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Rumble Strips 1 (Sheet)
FILE NAME: c:\p\work\ericshawleres\0908061\0570663_Sht_Misc.dgn

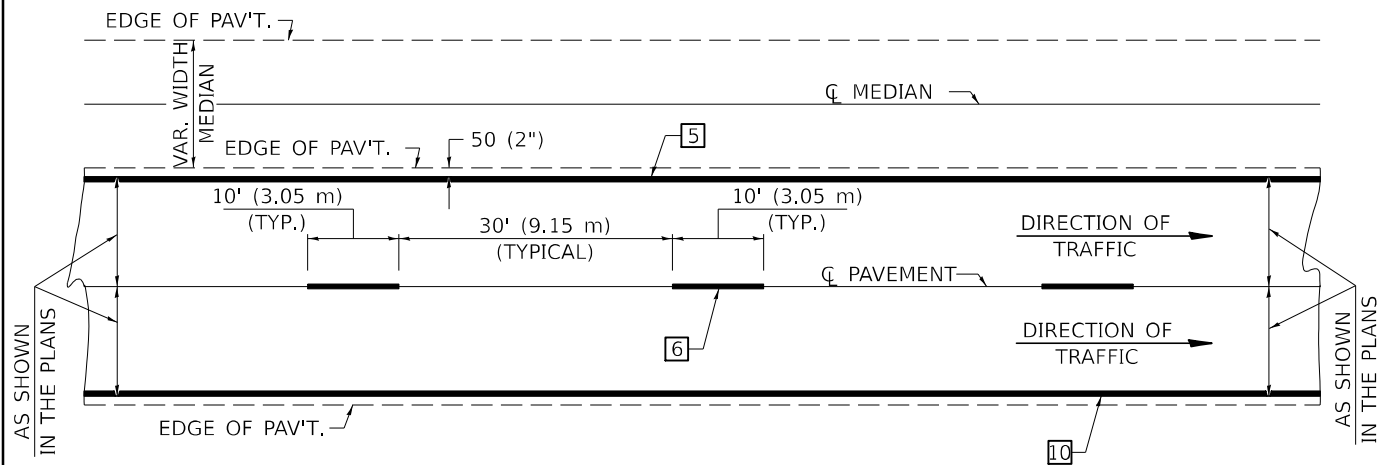
USER NAME = eric.shawler	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 10/6/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)	
SCALE: 1"=20'	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	28
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

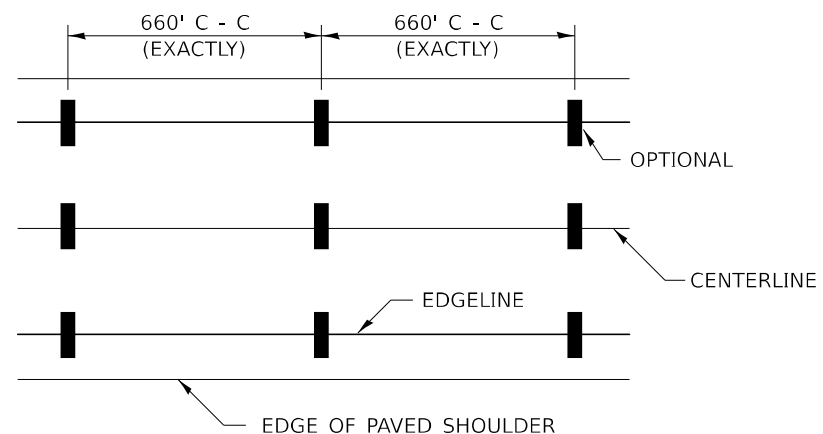


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

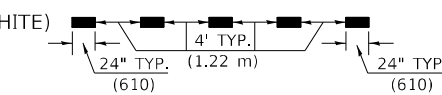
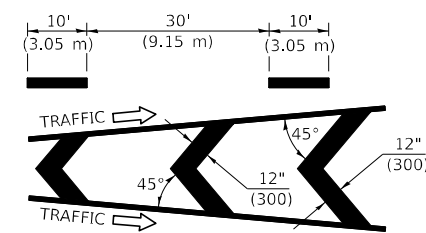
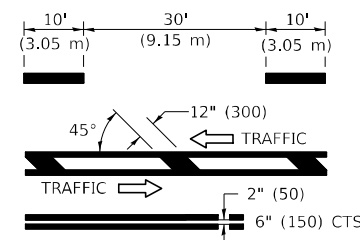
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

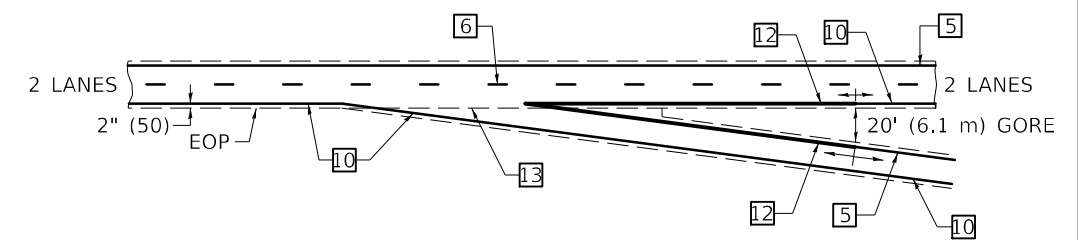
TYPICAL PAVEMENT MARKING LEGEND



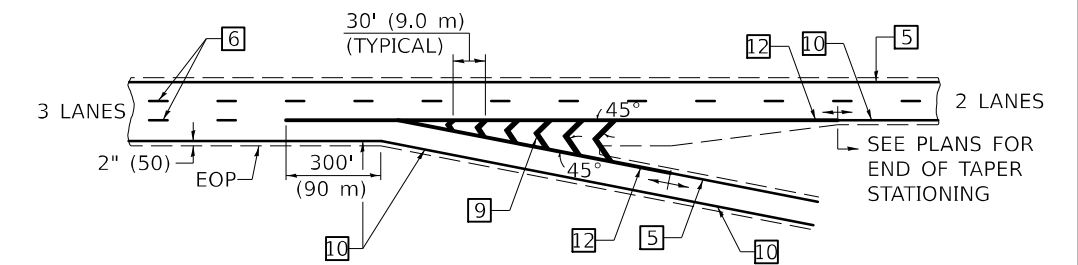
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 6" (150) SOLID (YELLOW)
- 6 6" (150) SKIP-DASH (WHITE)
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)



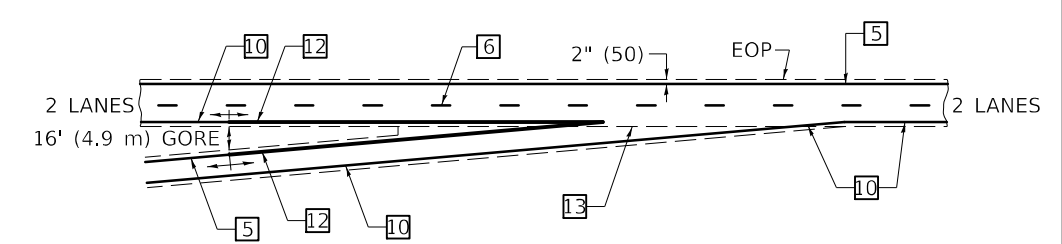
TYPICAL EXIT RAMP TERMINAL



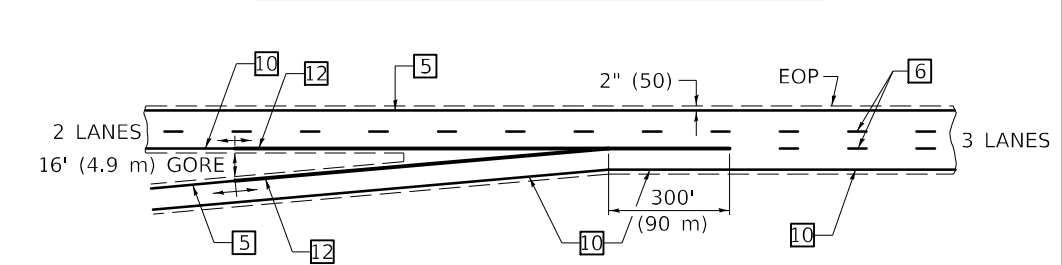
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



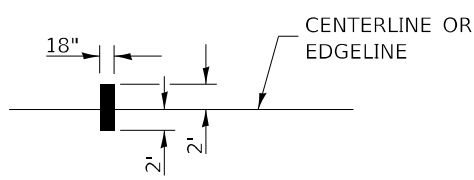
TYPICAL ENTRANCE RAMP TERMINAL



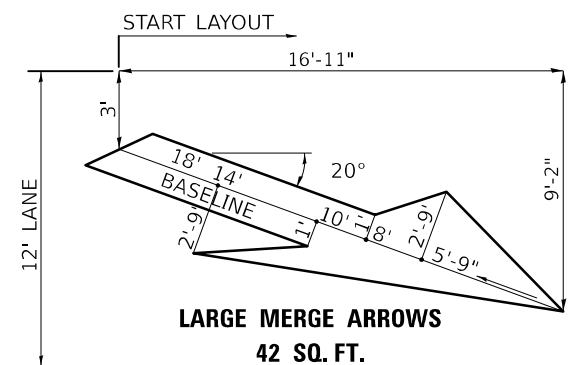
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



AERIAL SPEED CHECK ZONES



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: Rumble Strips 2 (Sheet) FILE NAME: c:\pawork\ericshawleres\0908061\0570G63_Sht_Misc.dgn

USER NAME = eric.shawler	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 0.16666833 / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	MBPM 2024-1	DEWITT	29	29
CONTRACT NO. 70G63				
ILLINOIS FED. AID PROJECT				