

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

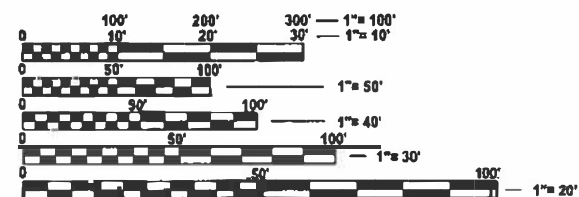
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3 THROUGH 9

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 72 (I-72)
SECTION (74-68VB)B
PROJECT NO. BR-YU1P(807)
BRIDGE SUPERSTRUCTURE REPLACEMENT
PIATT COUNTY

CURRENT TRAFFIC DATA FOR F.A.I. 72
2020 ADT = 6,400 (EB), 6,100 (WB)
P.U. % 77.4 (EB), 75.8 (WB)
S.U. % 2.3 (EB), 2.9 (WB)
M.U. % 20.3 (EB), 21.3 (WB)

DESIGN DESIGNATION
N/A



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.

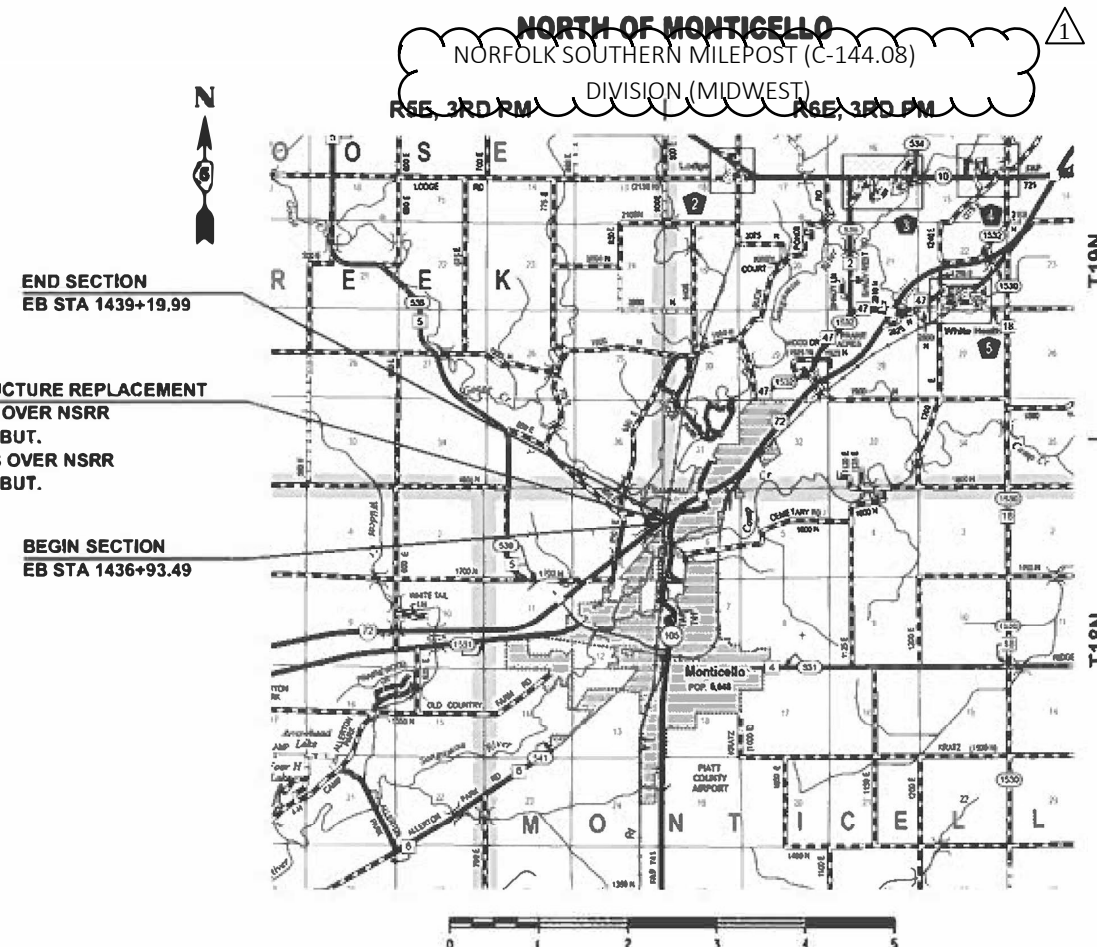
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811
MONTICELLO TOWNSHIP

PROJECT ENGINEER: RYAN T. CARROLL, P.E.
PHONE NUMBER: (217) 465-4181

CONTRACT NO. 70024

CEC Cummins
Engineering
Corporation
ENGINEERS & SURVEYORS

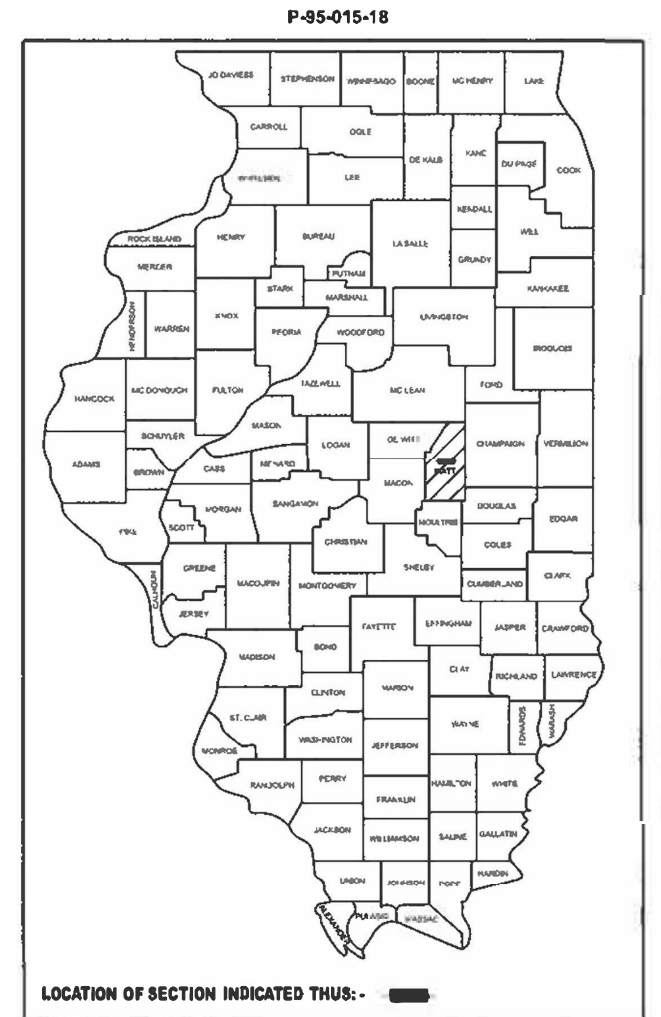
C-95-050-18
OVER NORFOLK SOUTHERN RAILWAY COMPANY



GROSS LENGTH = 226.50 FT = 0.043 MI
NET LENGTH = 226.50 FT = 0.043 MI



Kimberly S. Cummings 3/18/25
ILLINOIS PROFESSIONAL NO. 56816
(Expires 11/30/25)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3/20 20 25
Karil A. Gmatt 2025 REGIONAL ENGINEER
May 9 20 25
Sec. A. E. H. ENGINEER OF DESIGN AND ENVIRONMENT
May 9 20 25
J. H. H. DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
601001-05	PIPE UNDERDRAINS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
610001-09	SHOULDER INLET WITH CURB
630001-13	STEEL PLATE BEAM GUARDRAIL
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631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
667101-02	PERMANENT SURVEY MARKERS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

G.N.-100B
MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

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:
MR. JAKE WATSON
SENIOR ENGINEER PUBLIC IMPROVEMENTS
NORFOLK SOUTHERN CORPORATION
650 W. PEACHTREE STREET, NW, BOX 45
ATLANTA, GA 30309
(470) 463-6778 (O)
JACOB.WATSON@NSCORP.COM

G.N. 406H
MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	I-72	I-72	I-72	I-72
MIXTURE USE	BRIDGE DECK WEARING SURFACE (PRE-STAGE C & PRE-STAGE D 1-1/2")	MAINLINE & SHOULDER SURFACE (PRE-STAGE A, PRE-STAGE B, STAGE 1, & STAGE 2 1-1/2")	MAINLINE & SHOULDER BINDER (PRE-STAGE A, PRE-STAGE B, STAGE 1, & STAGE 2 TOP LIFT)	MAINLINE & SHOULDER BINDER (PRE-STAGE A, PRE-STAGE B, STAGE 1, & STAGE 2 BOTTOM LIFTS)
AC/PG	SBS PG 64-22	SBS PG 70-22	SBS PG 70-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=90	4.0% @ NDES=90	4.0% @ NDES=90
MIX COMP (GRADATION)	IL 9.5	IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIX D	MIX E	N.A.	N.A.
MIXTURE WEIGHT	112	112	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	3000	3000	3000	3000
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO	NO

G.N. 703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N. 781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

ALL WORK TO BE PERFORMED ON, OVER, UNDER, OR ADJACENT TO THE RAILROAD RIGHT-OF-WAY SHALL COMPLY WITH THE NORFOLK SOUTHERN RAILWAY COMPANY ("RAILROAD", "NSR" OR "NS") PUBLIC PROJECTS MANUAL (APPENDIX E, SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS, AND APPENDIX H1, OVERHEAD GRADE SEPARATION DESIGN CRITERIA). WHEN IN CONFLICT WITH OTHER PROJECT SPECIFICATIONS, THE MOST STRINGENT ONE SHALL APPLY.

"ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATION LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE 2 DAYS IN ADVANCE OF WORK AT THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE THE RAILROAD'S UNDERGROUND FACILITIES. UPON REQUEST FROM THE CONTRACTOR OR SPONSOR, RAILROAD FORCES WILL LOCATE AND PAINT MARK OR FLAG THE RAILROAD'S UNDERGROUND FACILITIES. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE FACILITIES. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD FACILITY, THE CONTRACTOR SHALL COORDINATE WITH THE RAILROAD TO HAVE THE FACILITY POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION. THE FACILITY SHALL BE PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF THE RAILROADS REPRESENTATIVES.

THE RAILROAD WILL BE PROVIDED AS-BUILT DRAWINGS SHOWING THE ACTUAL CLEARANCES AS CONSTRUCTED. DEPTH, SIZE, AND LOCATION OF ALL FOUNDATION COMPONENTS SHALL BE SHOWN ON THE DRAWINGS.

TO PROTECT BALLAST FROM CONTAMINATION, THE RAILROAD ENGINEER OR HIS REPRESENTATIVE MAY REQUIRE CONTRACTOR TO INSTALL BALLAST PROTECTION CONSISTING OF FILTER FABRIC AND/OR PLYWOOD UNDER THE AREA OF WORK.

COMMITMENTS

NONE

MODEL: GEN NOTES AND COMMITMENTS (Sheet)
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Cummins
Engineering
Corporation

JOB = 2564.4
FILE NAME = D570024-sht-gennote.dgn
PLOT SCALE = \$S\$CALES
PLOT DATE = 5/28/2025

DESIGNED - CDS
DRAWN - CDS
CHECKED - CGF
DATE - 1/09/2025

REVISED - 5/27/2025
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,
AND GENERAL NOTES

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	2
CONTRACT NO. 70024				
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAI 72
URBAN
INTERSTATE
SN 074-0069 (EB)
& SN 074-0070 (WB)
PIATT COUNTY

FUNDING BREAKOUT:

90% FEDERAL
10% STATE

CONSTRUCTION TYPE CODE:

0013

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
63200310	GUARDRAIL REMOVAL	FOOT	1,363
63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL	FOOT	2,206
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	3,346
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	15
67100100	MOBILIZATION	L SUM	1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	8
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	8
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	35
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	13,899
70300100	SHORT TERM PAVEMENT MARKING	FOOT	184
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7,465
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	13,519
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,775.0
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	198

1

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FILE NAME = D570024-sh1t-SOQ.dgn	DRAWN - CDS	REVISED -
PLOT SCALE = \$SCALES	CHECKED - CGF	REVISED -
PLOT DATE = 3/18/2025	DATE - 1/09/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	7
			CONTRACT NO. 70024	
		ILLINOIS	FED. AID PROJECT	

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LOCATION	70107005	70307120	70300100	70300150
	PAVEMENT MARKING BLACKOUT TAPE, 5"	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
	FOOT	FOOT	FOOT	SQ FT
SOLID WHITE LANE SHIFT LINE				
LT STA. 1435+27.50 TO STA. 1445+52.00		1,025		342
STAGE 2				
WHITE SKIP DASH LANE LINE				
CL STA. 1442+66.30 TO STA. 1444+45.00	45			19
SOLID YELLOW EDGE LINE				
RT STA. 1435+27.50 TO STA. 1444+45.00	918			382
SOLID YELLOW LANE SHIFT LINE				
RT STA. 1435+27.50 TO STA. 1444+45.00		918		306
SOLID WHITE LANE SHIFT LINE				
LT STA. 1435+27.50 TO STA. 1444+45.00		918		306
FINAL PHASE				
WHITE EDGE LINE				
LT STA. 1436+35.00 TO STA. 1442+15.00			12	4
WHITE LANE LINE				
CL STA. 1436+35.00 TO STA. 1442+15.00			60	20
YELLOW EDGE LINE				
RT STA. 1436+35.00 TO STA. 1442+15.00			12	4
TOTAL	13,899	13,519	184	7,465

1

LOCATION	63300575
	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL
	FOOT
I-74 (EB)	
STAGE A	
RT STA. 1430+17.00 TO STA. 1436+63.32	647
STAGE B	
RT STA. 1434+52.33 TO STA. 1437+02.33	250
I-74 (WB)	
STAGE A	
LT STA. 1434+03.00 TO STA. 1438+34.73	432
LT STA. 1440+83.48 TO STA. 1447+10.13	627
STAGE B	
LT STA. 1440+37.67 TO STA. 1442+87.67	250
TOTAL	2,206

LOCATION			70400100	70400125	70400200
			TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
			FOOT	EACH	FOOT
I-74 (EB)					
PRE-STAGE C					
STA. 1434+50.10 TO STA. 1436+62.00	1:12 TAPER	212.5			
STA. 1436+62.00 TO STA. 1439+37.00		275.0			
PRE-STAGE D					
STA. 1434+65.60 TO STA. 1436+40.00	1:12 TAPER				175.0
STA. 1436+40.00 TO STA. 1439+77.50					275.0
STA. 1436+65.00 TO STA. 1439+52.50					
STAGE 1					
STA. 1432+28.30 TO STA. 1434+40.00	1:12 TAPER				212.5
STA. 1434+40.00 TO STA. 1441+40.00		437.5			275.0
STA. 1435+90.00 TO STA. 1440+27.50			99		
STAGE 2					
STA. 1432+65.50 TO STA. 1434+40.00	1:12 TAPER				175.0
STA. 1434+40.00 TO STA. 1441+40.00					700.0
STA. 1435+90.00 TO STA. 1440+27.50					
I-74 (WB)					
PRE-STAGE C					
STA. 1437+93.50 TO STA. 1440+81.00		287.5			
STA. 1440+81.00 TO STA. 1442+92.90	1:12 TAPER	212.5			
PRE-STAGE D					
STA. 1437+65.00 TO STA. 1441+02.50		12.5			325.0
STA. 1437+90.00 TO STA. 1440+77.50					
STA. 1441+02.50 TO STA. 1442+76.90	1:12 TAPER				175.0
STAGE 1					
STA. 1436+27.50 TO STA. 1442+40.00		337.5			275.0
STA. 1437+15.00 TO STA. 1441+52.50			99		
STA. 1442+40.00 TO STA. 1444+64.40	1:12 TAPER				225.0
STAGE 2					
STA. 1436+27.50 TO STA. 1442+40.00					612.5
STA. 1437+15.00 TO STA. 1441+52.50					
STA. 1442+40.00 TO STA. 1444+14.40	1:12 TAPER				175.0
TOTAL		1,775.0	198		3,600.0

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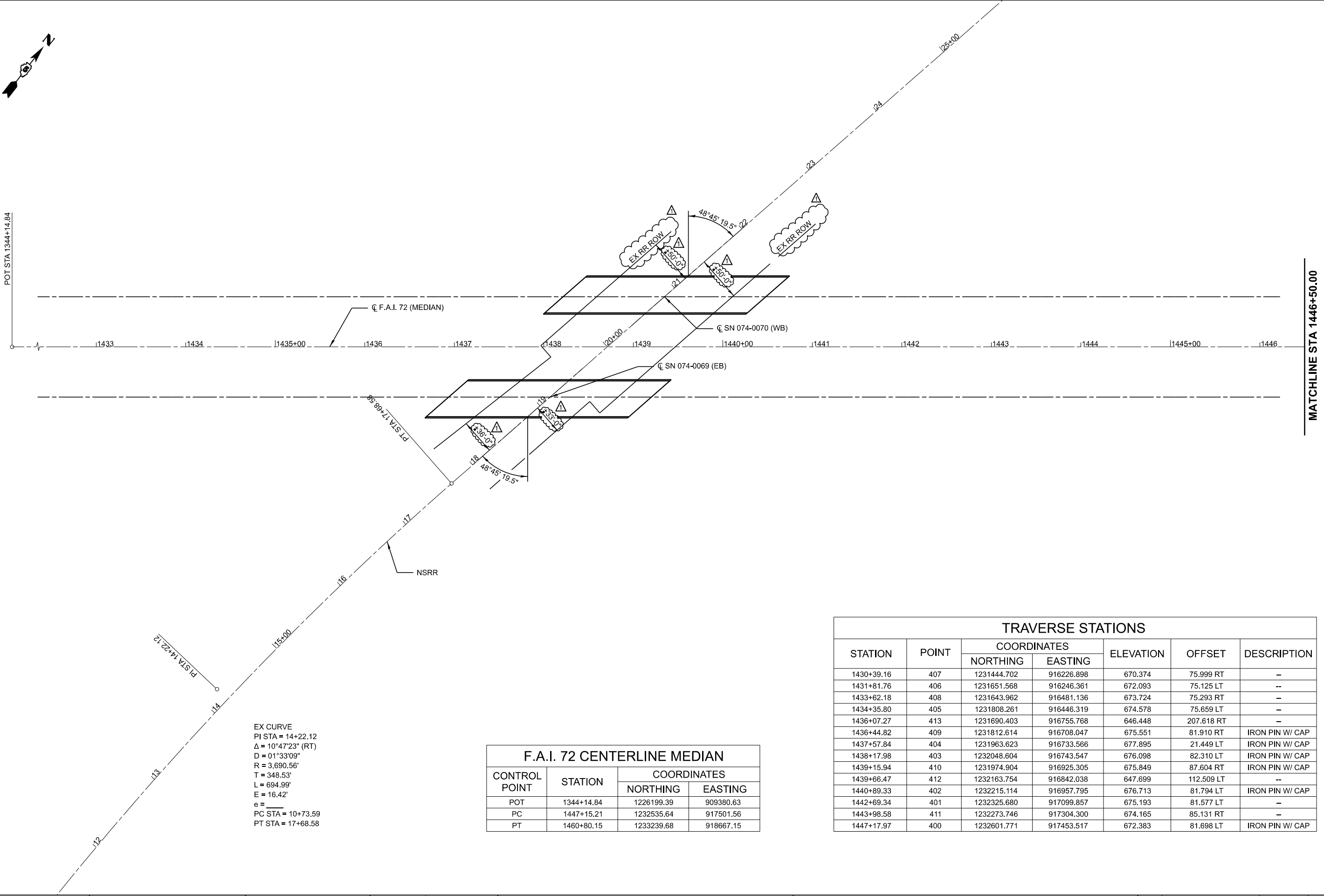
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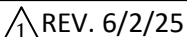
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

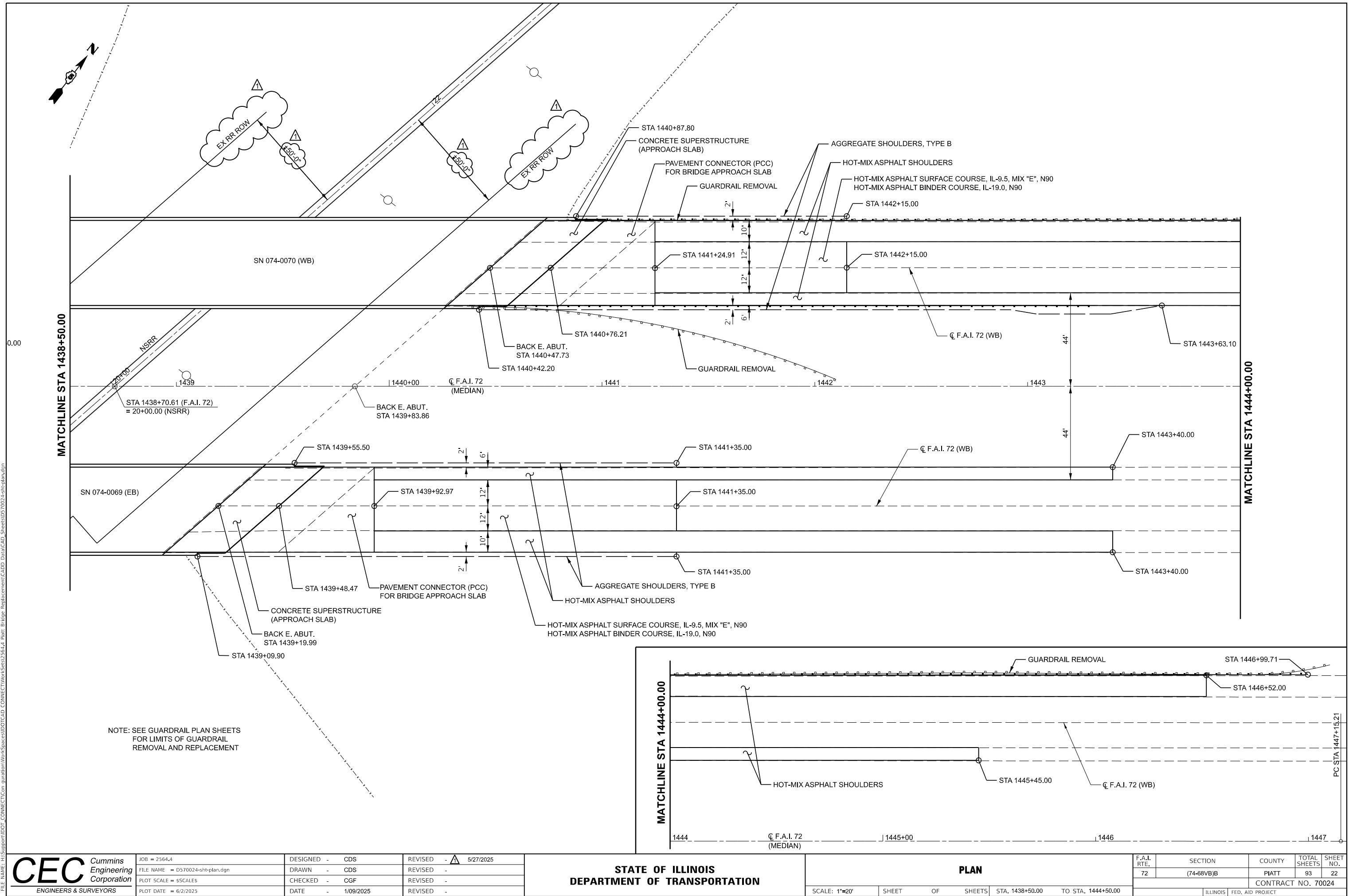
ALIGNMENT, TIES, AND BENCHMARKS

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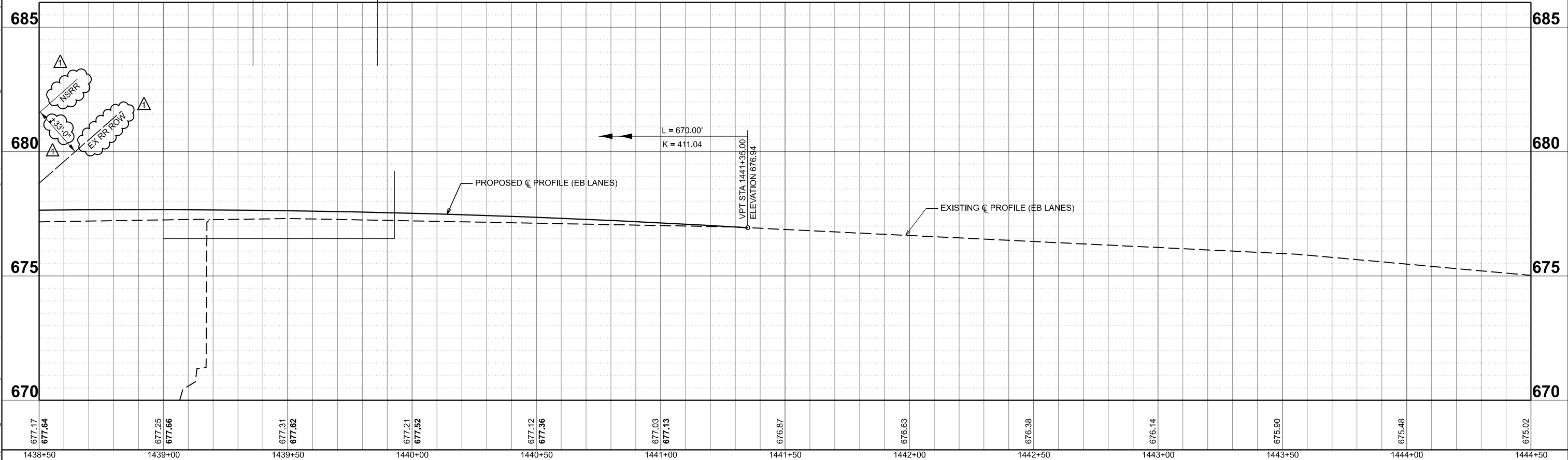
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	19
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				







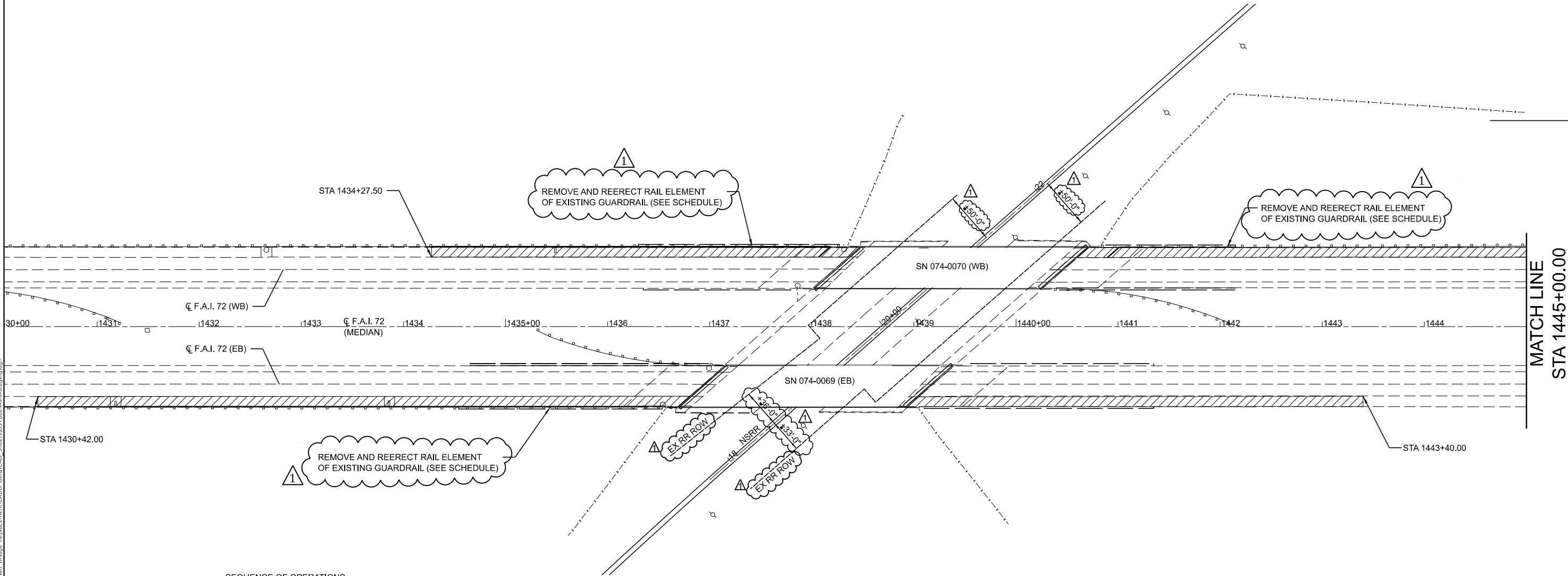
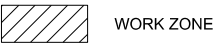
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CEC Cummins Engineering Corporation ENGINEERS & SURVEYORS	JOB = 2564.4	DESIGNED - CDS	REVISED -  5/27/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROFILE					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = D570024-sh1-pro le.dgn	DRAWN - CDS	REVISED -										72	(74-68VB)B	PIATT	93	24
	PLOT SCALE = \$SCALES	CHECKED - CGF	REVISED -					CONTRACT NO. 70024									
	PLOT DATE = 6/2/2025	DATE - 1/09/2025	REVISED -	SCALE: 1"=20'		SHEET OF SHEETS		STA. 1438+50.00 TO STA. 1444+50.00		ILLINOIS FED. AID PROJECT							



LEGEND



SEQUENCE OF OPERATIONS

PRE-STAGE A

1. INSTALL TRAFFIC CONTROL DEVICES PER HIGHWAY STANDARD 701400 AND 701401 FOR PRE-STAGE A TRAFFIC.

2. REMOVE RAIL ELEMENTS (SEE SCHEDULE FOR LOCATIONS).

3. REMOVE OUTSIDE SHOULDER (PAVED SHOULDER REMOVAL).

4. REMOVE INLETS (SEE SCHEDULE FOR LOCATIONS).

5. REMOVE CURB ALONG EXISTING SHOULDER TO ENSURE POSITIVE DRAINAGE DURING CONSTRUCTION (SEE SCHEDULE FOR LOCATIONS).

6. REMOVE MAT UNDERDRAINS AND PIPE UNDERDRAINS (PIPE UNDERDRAIN REMOVAL (SPECIAL)) AND CONSTRUCT PIPE UNDERDRAINS, TYPE 3. VOIDS LEFT FROM PIPE UNDERDRAIN REMOVAL (SPECIAL) SHALL BE FILLED WITH AGGREGATE MATERIAL AS REQUIRED BY THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS, TYPE 3 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

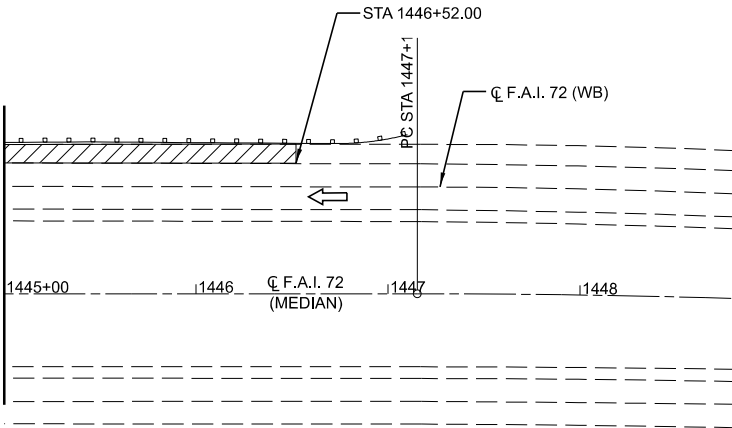
7. CONSTRUCT OUTSIDE SHOULDER (HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90 (1 1/2") AND HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (9")).

8. RE-ERECT GUARDRAIL RAIL ELEMENTS (SEE SCHEDULE FOR LOCATIONS).

MAINTENANCE OF TRAFFIC NOTES

1. PRE-STAGE A
TRAFFIC CONTROL SHALL BE DONE IN ACCORDANCE WITH HIGHWAY STANDARD 701400 AND 701401 UTILIZING LANE CLOSURE WITH BARRELS.

MATCH LINE
STA 1445+00.00



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Engineering
Corporation
ENGINEERS & SURVEYORS

JOB = 2564.4
FILE NAME = D570024-sht-staging.dgn
PLOT SCALE = \$Scales\$
PLOT DATE = 6/2/2025

DESIGNED - CGF
DRAWN - CGF
CHECKED - THF
DATE - 2/12/2025

REVISED - 5/27/2025
REVISED - 6/02/2025
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

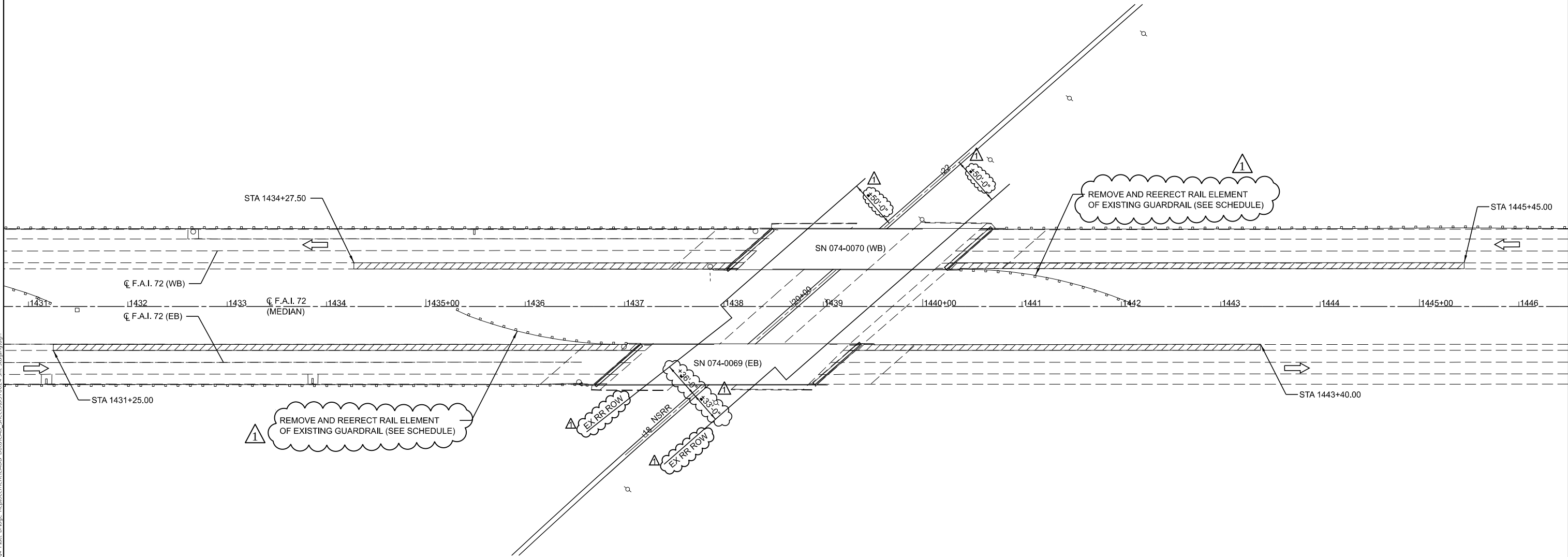
TRAFFIC CONTROL STAGING PLAN
PRE-STAGE A

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	25
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				



LEGEND



SEQUENCE OF OPERATIONS

PRE-STAGE B

1. INSTALL TRAFFIC CONTROL DEVICES PER HIGHWAY STANDARD 701400 AND 701401 FOR PRE-STAGE B TRAFFIC.

2. REMOVE RAIL ELEMENTS (SEE SCHEDULE FOR LOCATIONS).

3. REMOVE INSIDE SHOULDER (PAVED SHOULDER REMOVAL).

4. REMOVE MAT UNDERDRAINS AND PIPE UNDERDRAINS (PIPE UNDERDRAIN REMOVAL (SPECIAL)) AND CONSTRUCT PIPE UNDERDRAINS, TYPE 3. VOIDS LEFT FROM PIPE UNDERDRAIN REMOVAL (SPECIAL) SHALL BE FILLED WITH AGGREGATE MATERIAL AS REQUIRED BY THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS, TYPE 3 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

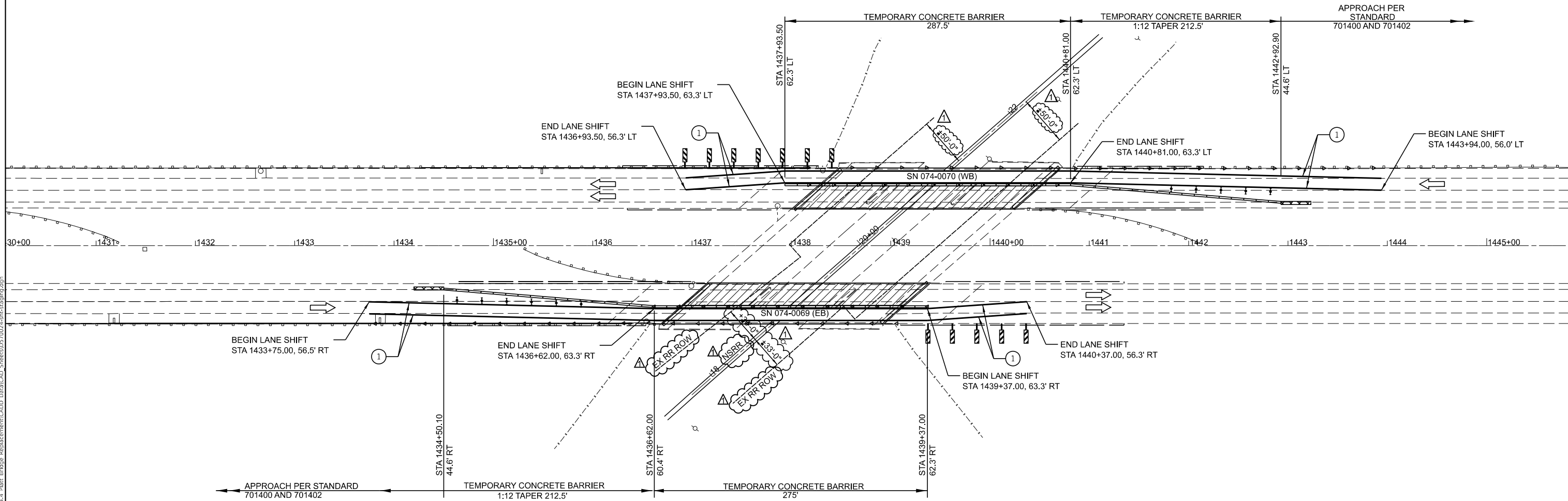
5. CONSTRUCT OUTSIDE SHOULDER (HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90 (1 1/2") AND HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (9")).

6. RE-ERECT GUARDRAIL RAIL ELEMENTS (SEE SCHEDULE FOR LOCATIONS).

MAINTENANCE OF TRAFFIC NOTES

PRE-STAGE B

1. TRAFFIC CONTROL SHALL BE DONE IN ACCORDANCE WITH HIGHWAY STANDARD 701400 AND 701401 UTILIZING LANE CLOSURE WITH BARRELS.



- SEQUENCE OF OPERATIONS
- PRE-STAGE C
- 1. INSTALL TEMPORARY CONCRETE BARRIER, TEMPORARY IMPACT ATTENUATORS, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS FOR PRE-STAGE C TRAFFIC.
 - 2. REMOVE AND REPLACE HMA WEARING SURFACE ON MEDIAN SIDE OF EACH STRUCTURE.

- MAINTENANCE OF TRAFFIC NOTES
- PRE-STAGE C
- 1. SEE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, 701402, AND 704001 FOR DETAILS NOT SHOWN.
 - 2. ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701401.
 - 3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE, 5".
 - 4. OFFSETS TO TEMPORARY CONCRETE BARRIER ARE TO THE FACE OF THE BARRIER ADJACENT TO THE OPEN TRAFFIC.

MODEL: Pre-Stage A-B-C-D [Sheet]
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JOB = 2564.4	DESIGNED - CGF	REVISED - 5/27/2025
FILE NAME = D570024-sh-t-staging.dgn	DRAWN - CGF	REVISED -
PLOT SCALE = \$SCALES	CHECKED - THF	REVISED -
PLOT DATE = 5/31/2025	DATE - 2/12/2025	REVISED -

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TRAFFIC CONTROL STAGING PLAN
PRE-STAGE C

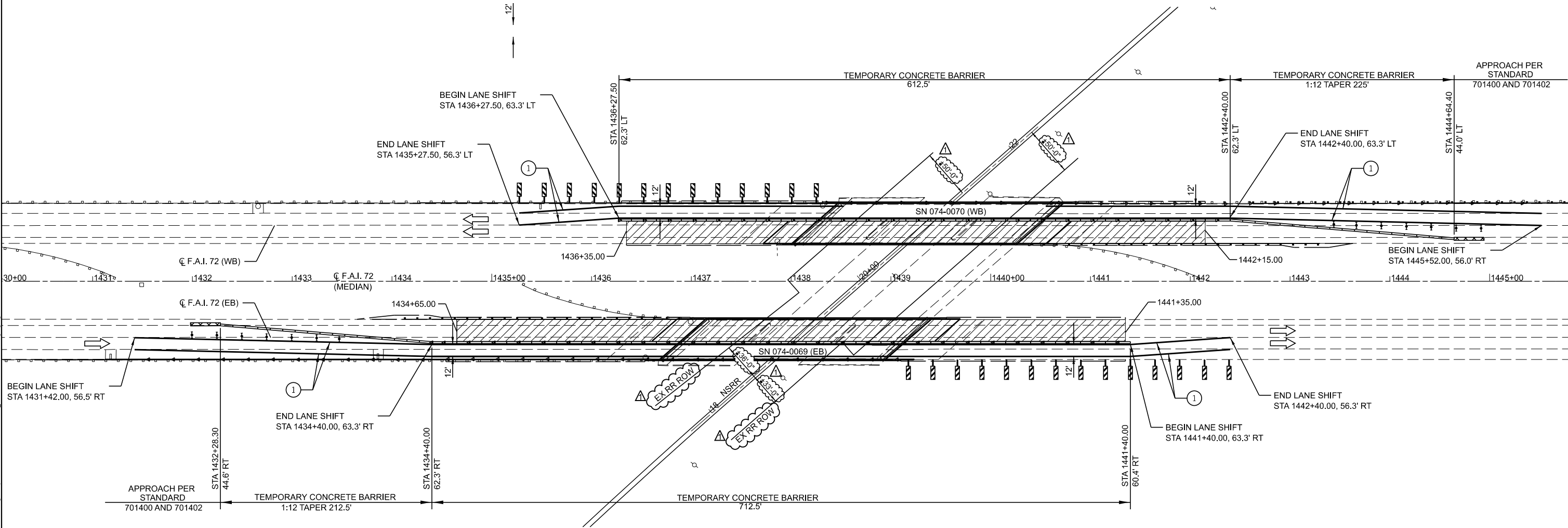
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	27
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
- REFLECTORIZED TEMPORARY MARKING TAPE
- MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- WORK ZONE
- VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



SEQUENCE OF OPERATIONS

- STAGE 1
1. INSTALL TEMPORARY CONCRETE BARRIER, TEMPORARY IMPACT ATTENUATORS, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS FOR STAGE 1 TRAFFIC.
 2. REMOVE STAGE 1 PORTION OF GUARDRAIL (MEDIAN).
 3. REMOVE STAGE 1 PORTION OF THE EXISTING STRUCTURE AND PAVEMENT AND CONSTRUCT STAGE 1 PORTION OF THE PROPOSED DECK REPLACEMENT.
 4. REMOVE HMA SHOULDERS FOR CONSTRUCTION OF PCC PAVEMENT CONNECTORS AND APPROACH SLABS (SEE SCHEDULE FOR LOCATIONS).
 5. CONSTRUCT STAGE 1 PORTION OF ROADWAY ALONG THE OUTSIDE LANES INCLUDING HMA PAVEMENT, PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB, APPROACH SLABS, HMA SHOULDERS, AGGREGATE SHOULDERS, STEEL PLATE BEAM GUARDRAIL, AND TRAFFIC BARRIER TERMINALS.

MAINTENANCE OF TRAFFIC NOTES

1. SEE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, 701402, AND 704001 FOR DETAILS NOT SHOWN.
2. ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701401.
3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE, 5'.
4. OFFSETS TO TEMPORARY CONCRETE BARRIER ARE TO THE FACE OF THE BARRIER ADJACENT TO THE OPEN TRAFFIC LANE.
5. TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED (SEE SCHEDULE FOR LOCATIONS)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGING PLAN
STAGE 1

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	29
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				

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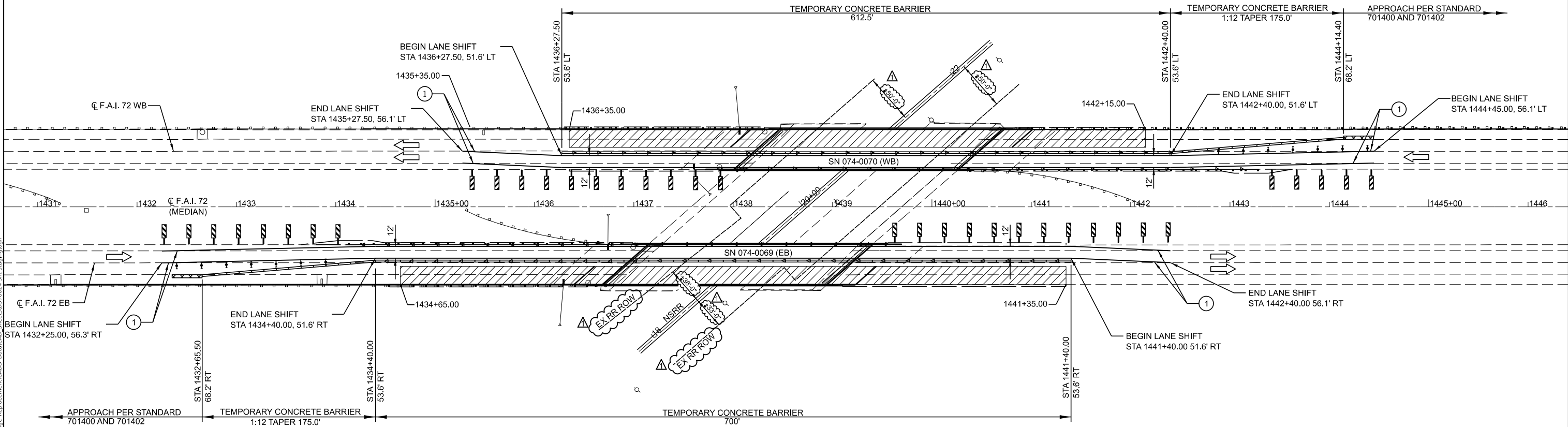
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DRAWN - CDS
CHECKED - CGF
DATE - 1/09/2025

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LEGEND

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
- REFLECTORIZED TEMPORARY MARKING TAPE
- MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- WORK ZONE
- VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



SEQUENCE OF OPERATIONS

STAGE 2

1. RELOCATE TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS; INSTALL TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS FOR STAGE 2 TRAFFIC.
2. REMOVE STAGE 2 PORTION OF GUARDRAIL (SEE SCHEDULE FOR LOCATIONS).
3. REMOVE AND REPLACE INLETS AND RECONNECT EXISTING PIPES (SEE SCHEDULE FOR STAGE 2 LOCATIONS).
4. REPLACE CURB ALONG PROPOSED SHOULDER TO ENSURE POSITIVE DRAINAGE (SEE SCHEDULE FOR STAGE 2 LOCATIONS).
5. REMOVE STAGE 2 PORTION OF THE EXISTING STRUCTURE AND PAVEMENT AND CONSTRUCT STAGE 2 PORTION OF THE PROPOSED DECK REPLACEMENT.
6. CONSTRUCT STAGE 2 PORTION OF ROADWAY ALONG THE OUTSIDE LANES INCLUDING HMA PAVEMENT, PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB, APPROACH SLABS, HMA SHOULDERS, AGGREGATE SHOULDERS, STEEL PLATE BEAM GUARDRAIL, AND TRAFFIC BARRIER TERMINALS.

FINAL PHASE

1. REMOVE STANDARD 701402 TRAFFIC CONTROL DEVICES, INSTALL SHORT-TERM PAVEMENT MARKINGS, AND INSTALL TRAFFIC CONTROL STANDARD 701401.
2. REPLACE INLETS UTILIZING HIGHWAY STANDARD 701401 AND RECONNECT EXISTING PIPES (SEE SCHEDULE FOR LOCATIONS).
3. INSTALL REMAINING GUARDRAIL (SEE SCHEDULE FOR LOCATIONS).
4. INSTALL REMAINING CONCRETE CURB (SEE SCHEDULE FOR LOCATIONS).
5. REMOVE TRAFFIC CONTROL DEVICES AND PLACE TRAFFIC IN PERMANENT LANES.
6. INSTALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS UTILIZING HIGHWAY STANDARD 701426.
7. INSTALL SHOULDER RUMBLE STRIPS ON ALL SHOULDERS (SEE SCHEDULE FOR LOCATIONS) UTILIZING HIGHWAY STANDARD 701426.

MAINTENANCE OF TRAFFIC NOTES

1. SEE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, 701402, AND 704001 FOR DETAILS NOT SHOWN.
2. ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701401.
3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE COVERED WITH PAVEMENT MARKING BLACKOUT TAPE, 5".
4. OFFSETS TO TEMPORARY CONCRETE BARRIER ARE TO THE FACE OF THE BARRIER ADJACENT TO THE OPEN TRAFFIC LANE.

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PLOT DATE = 5/31/2025	DATE - 1/09/2025

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGING PLAN
STAGE 2

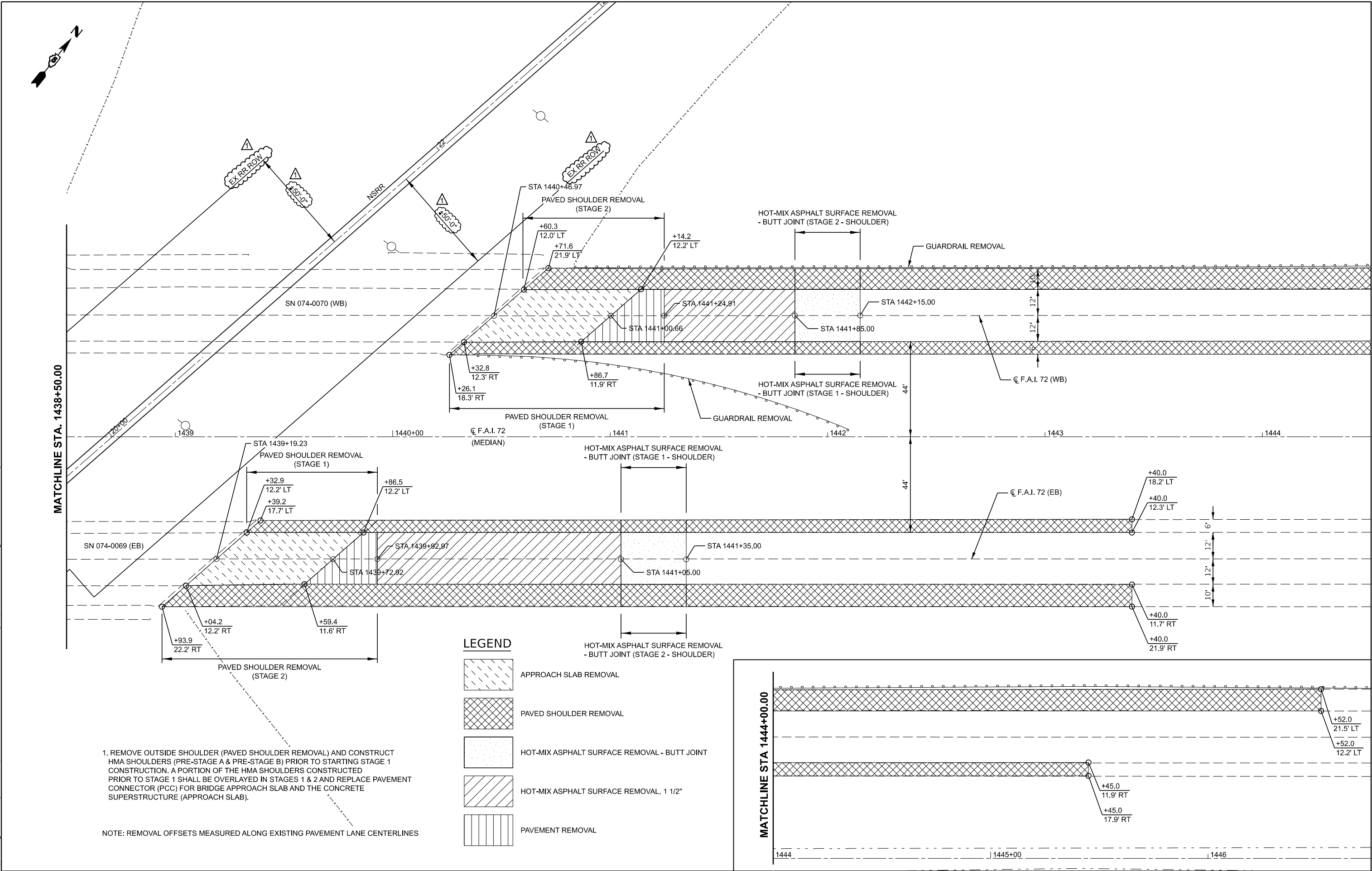
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	30
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	31
		CONTRACT NO. 70024		
ILLINOIS		FED. AID PROJECT		

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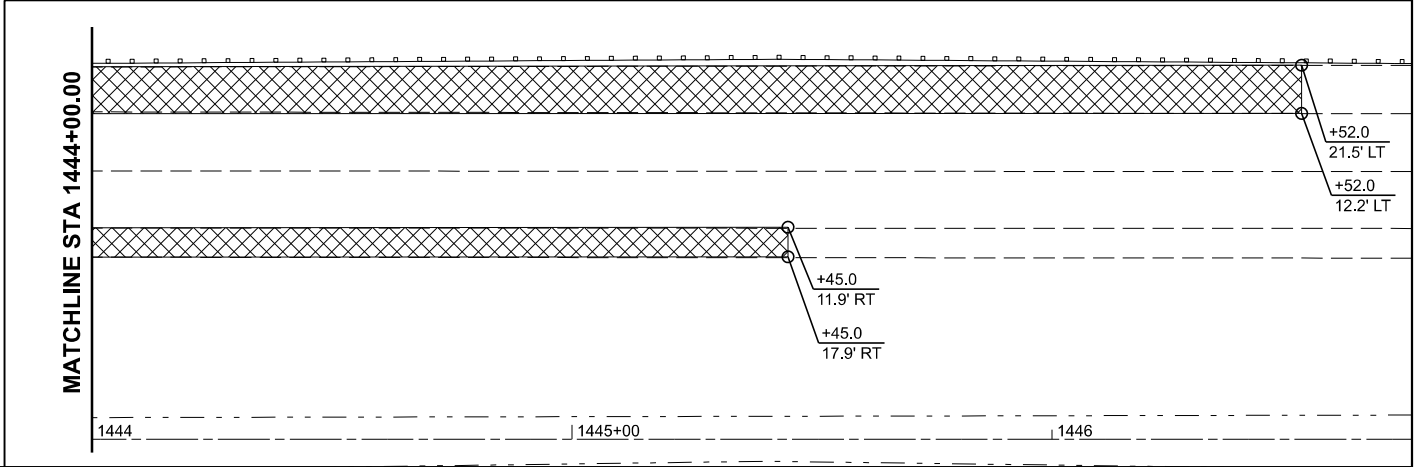


1. REMOVE OUTSIDE SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HMA SHOULDERS (PRE-STAGE A & PRE-STAGE B) PRIOR TO STARTING STAGE 1 CONSTRUCTION. A PORTION OF THE HMA SHOULDERS CONSTRUCTED PRIOR TO STAGE 1 SHALL BE OVERLAYED IN STAGES 1 & 2 AND REPLACE PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB AND THE CONCRETE SUPERSTRUCTURE (APPROACH SLAB).

NOTE: REMOVAL OFFSETS MEASURED ALONG EXISTING PAVEMENT LANE CENTERLINES

LEGEND

- APPROACH SLAB REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- PAVEMENT REMOVAL



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JOB = 2564.4
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PLOT DATE = 5/13/2024

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CHECKED - CGF
DATE - 1/09/2025

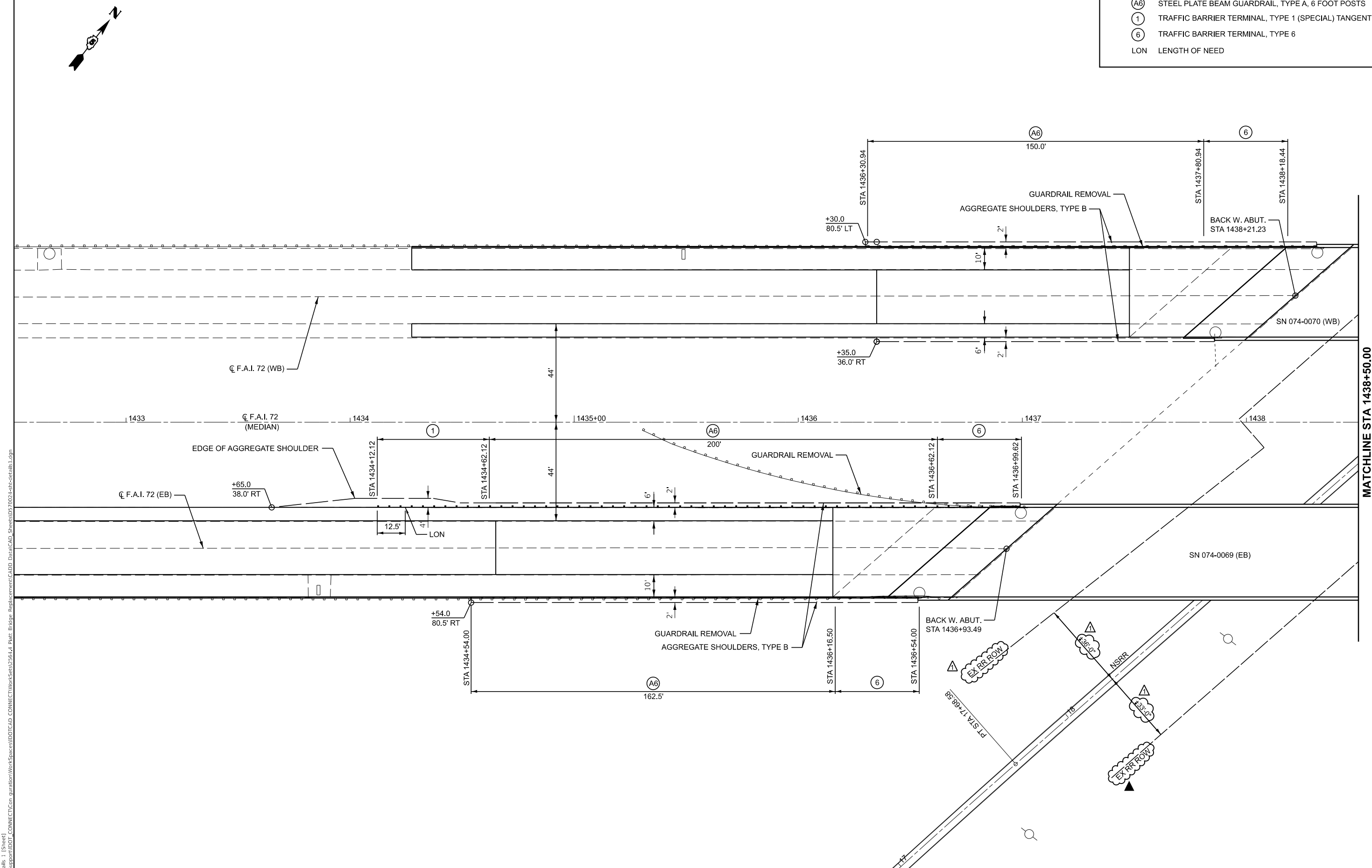
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REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 1438+50.00 TO STA. 1444+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	32
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				



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SEC 1, T18N, R5E, 3RD PM

LEGEND

- A6 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- 1 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- 6 TRAFFIC BARRIER TERMINAL, TYPE 6
- LON LENGTH OF NEED

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JOB = 2564.4	DESIGNED - CDS	REVISED - 5/27/2025
FILE NAME = D570024-sht-details1.dgn	DRAWN - CDS	REVISED -
PLOT SCALE = \$SCALES	CHECKED - CGF	REVISED -
PLOT DATE = 6/2/2025	DATE - 1/09/2025	REVISED -

STATE OF ILLINOIS
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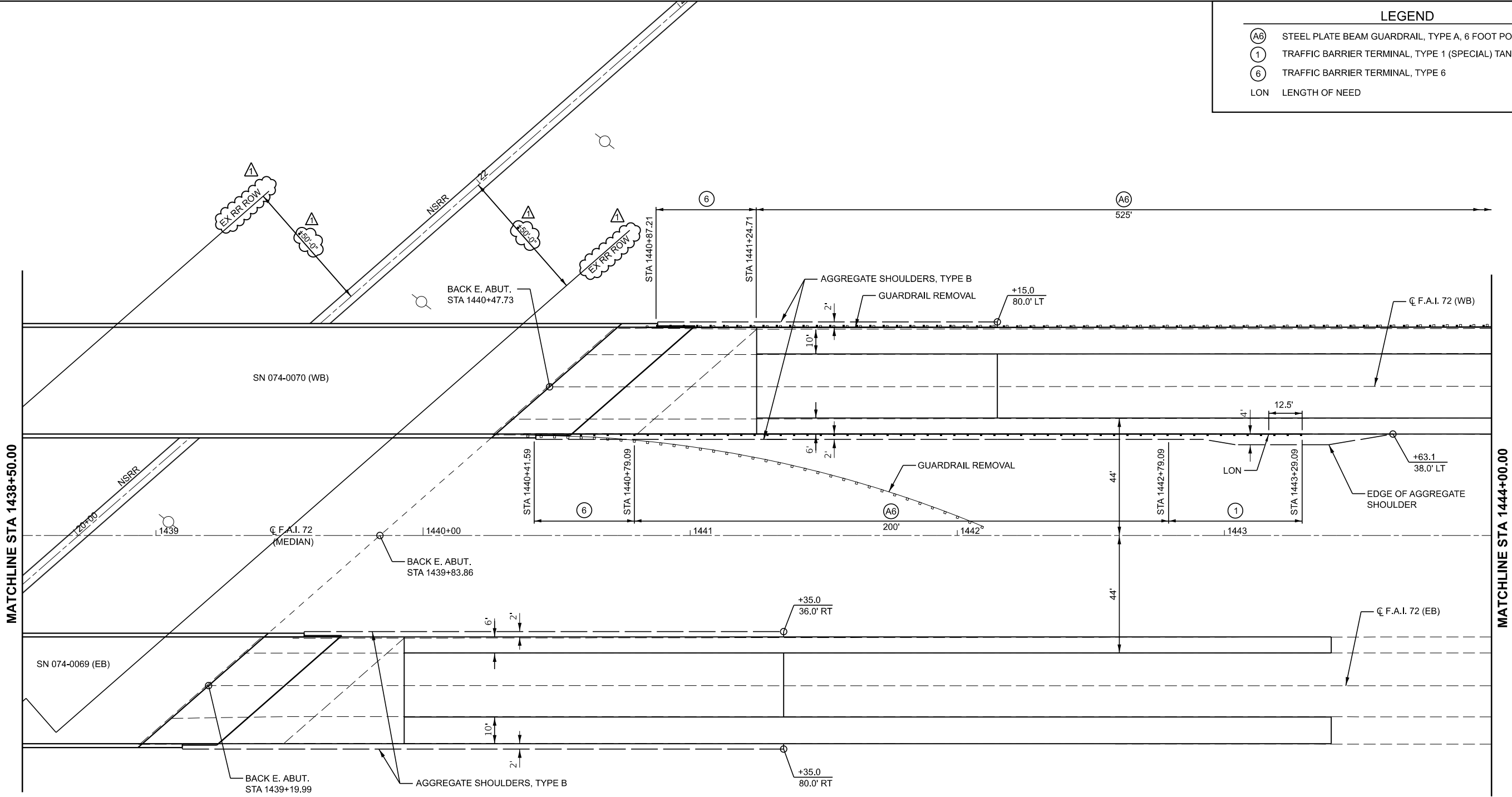
GUARDRAIL PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 1432+50.00 TO STA. 1438+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-68VB)B	PIATT	93	33
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				



LEGEND	
A6	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
1	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
6	TRAFFIC BARRIER TERMINAL, TYPE 6
LON	LENGTH OF NEED



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JOB = 2564.4
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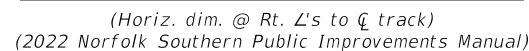
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL PLAN

SCALE: 1"=20'	SHEET	OF	SHEETS	STA. 1438+50.00	TO STA. 1444+00.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74+68VB)B	PIATT	93	34
CONTRACT NO. 70024				
ILLINOIS FED. AID PROJECT				

1. Fasteners shall be ASTM F3125 Grade A325 Type 1. Fasteners shall be hot dip galvanized. See Special Provisions for "Hot Dip Galvanizing of Structural Steel". Bolts $\frac{7}{8}$ in. diameter, holes $\frac{13}{16}$ in. diameter, unless otherwise noted.
2. Calculated weight of Structural Steel = 413,350 Pounds. This quantity is for the pay item "Furnishing and Erecting Structural Steel" (L. Sum).
3. All structural steel shall be AASHTO M270 Grade 50 and shall be galvanized, unless otherwise noted. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between exterior and first interior beam at each of these additional bracket locations.
7. The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of the bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
8. Plan dimensions and details relative to the existing structure have been taken from 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
10. All drainage system components shall extend to 2'-0" from the end of each wingwall except on outlet pipe shall extend until intersecting with the side slopes. the pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101.)
11. The Railroad will be provided as-built drawings showing the actual clearances as constructed. Depth, size, and location of all foundation components shall be shown on the drawings.
12. All work to be performed on, over, under or adjacent to the Railroad right-of-way shall comply with the Norfolk Southern Railway Company ("Railroad", "NSR" or "NS") Public Projects Manual (Appendix E, Special Provisions for the Protection of Railway Interests, and Appendix H1, Overhead Grade Separation Design Criteria). When in conflict with other project specifications, the most stringent one shall apply.



ITEM	UNIT	SUPER	SUB	TOTAL
Bituminous Materials (Tack Coat)	Pound	419		419
Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N70	Ton	105		105
Removal of Existing Superstructures No. 1	Each	1		1
Removal of Existing Superstructures No. 2	Each	1		1
Concrete Removal	Cu. Yd.	22.0	87.6	109.6
Slope Wall Removal	Sq. Yd.		261	261
Protective Shield	Sq. Yd.	794		794
Structure Excavation	Cu. Yd.		623	623
Floor Drains	Each	18		18
Concrete Structures	Cu. Yd.		100.9	100.9
Concrete Superstructure	Cu. Yd.	758.4		758.4
Protective Coat	Sq. Yd.	2,992		2,992
Concrete Superstructure (Approach Slab)	Cu. Yd.	238.0		238.0
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing and Erecting Structural Steel	Pound	4,204		4,204
Stud Shear Connectors	Each	13,140		13,140
Reinforcement Bars, Epoxy Coated	Pound	271,560	9,480	281,040
Bar Splicers	Each	1,768	448	2,216
Slope Wall 4 Inch	Sq. Yd.		261	261
Name Plates	Each	2		2
Preformed Joint Strip Seal	Foot	112		112
Elastomeric Bearing Assembly, Type I	Each	36		36
Anchor Bolts, 1"	Each	48		48
Anchor Bolts, 1 1/4"	Each	48		48
Temporary Sheet Piling	Sq. Ft.		1,545	1,545
Granular Backfill for Structures	Cu. Yd.		623	623
Concrete Sealer	Sq. Ft.		1,806	1,806
Geocomposite Wall Drain	Sq. Yd.		228	228
Pipe Underdrains for Structures, 4"	Foot		340	340
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,528		1,528
Structural Steel Removal	Pound	4,204		4,204
Structural Steel Repair	Pound	1,552		1,552
Bar Terminators	Each	484		484
HMA Surface Removal (Deck)	Sq. Yd.	948		948
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		247	247
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.		38	38
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	225		225
Deck Slab Repair (Partial)	Sq. Yd.	74		74
Diamond Grinding (Bridge Section)	Sq. Yd.	2,268		2,268
Rock Fill - Embankment	Cu. Yd.		174	174

1. *General Plan & Elevation*
2. *General Data*
3. *Pre-Stage Construction Details*
4. *Pre-Stage Deck Patching*
- 5.-9. *Pre-Stage Joint Repairs*
- 10.-13. *Pre-Stage Steel Repairs*
14. *Sloped Wall Details*
15. *Stage Construction Details*
16. *Temporary Concrete Barrier*
- 17.-22. *Top of Slab Elevations*
- 23.-26. *Top of Approach Slab Elevations*
27. *Superstructure*
28. *Superstructure Details*
- 29.-30. *Diaphragm Details*
- 31.-32. *Bridge Approach Slab Details*
- 33.-35. *Structural Steel*
- 36.-38. *Bearing Details*
- 39.-40. *Abutment Concrete Removal*
- 41.-42. *Abutments*
- 43.-47. *Pier Repairs*
48. *Bar Splicer Assembly and Mechanical Splicer Details*
49. *Concrete Parapet Slipforming Option*

