

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	1
		ILLINOIS	CONTRACT NO. 72420	

D-96-034-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION

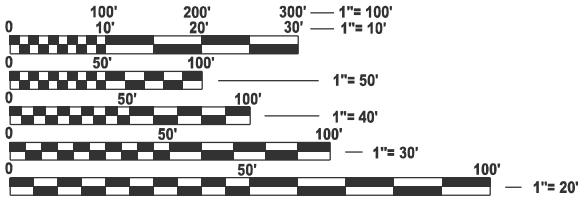
F.A.P. Route 662 (IL 4)

fr. N OF CAMBRIDGE RD S OF GIRARD
TO 0.1 MI W OF DONALDSON RD

ADT: 3,200 (2023) PV = 90.63%
DESIGN SPEED: 60 MPH SU = 4.06%
POSTED SPEED: 55 MPH MU = 5.31%

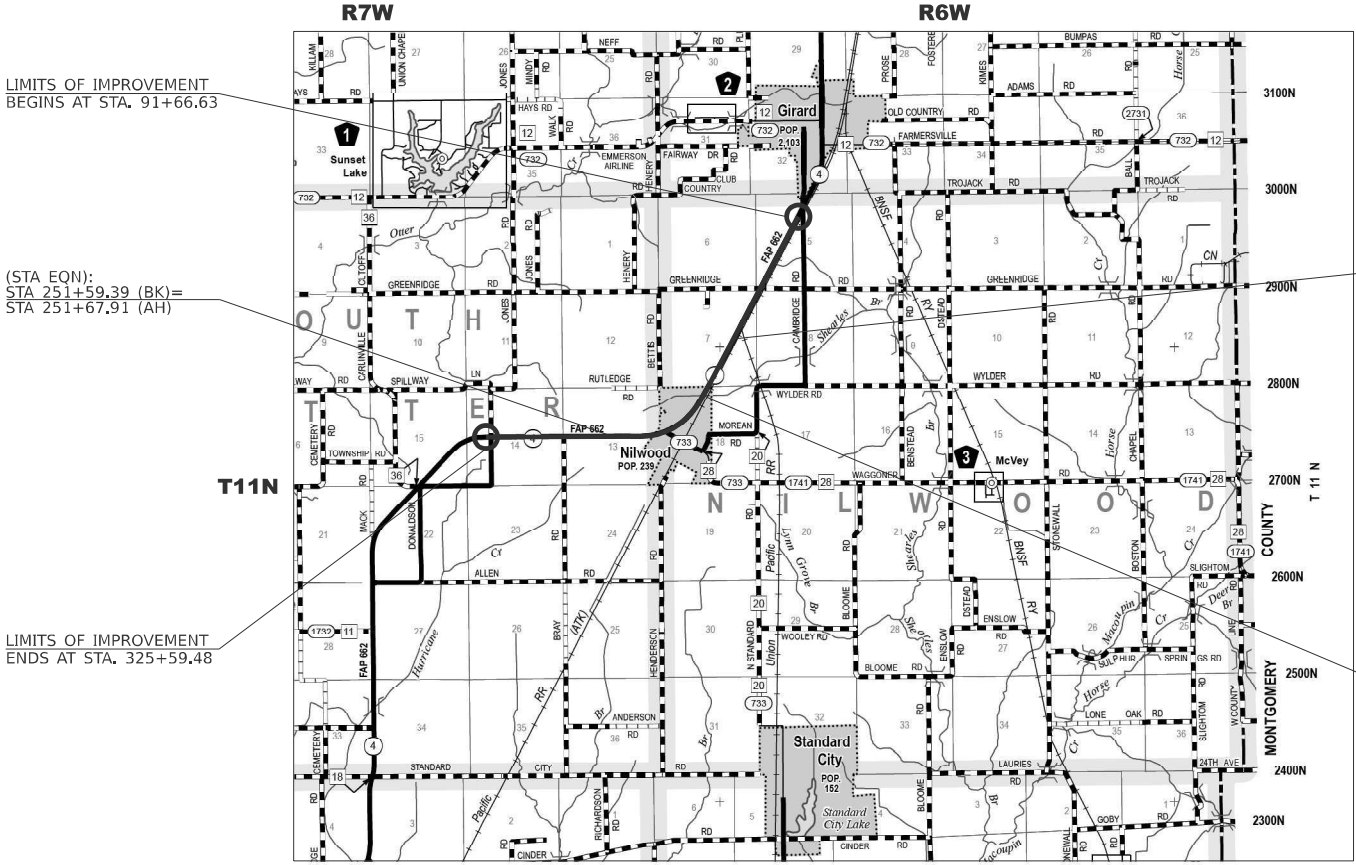
CLASSIFICATION: OTHER PRINCIPLE ARTERIAL

F.A.P. ROUTE 662 (IL 4)
SECTION (F,DX)Q
PROJECT NHPP-FADQ(921)
CAPE SEAL, FOG SEAL
MACOUPIN COUNTY
C-96-068-25



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



SN 059-7009
EX. BOX CULV 9'x6'
STA 159+95.80

SN 059-7010
EX. BOX CULV 9'x5'
STA 197+32.90

PROJECT ENGINEER: BRIAN LANINGHAM (217) 782-6990
PROJECT MANAGER: RENE CABRERA (217) 557-9062
ENGINEERING TECHNICIAN: JACOB DRAINER (217) 524-8915

CONTRACT NO. 72420

GROSS LENGTH = 23,384.33 FT. = 4.43 MILE
NET LENGTH = 23,384.33 FT. = 4.43 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 15, 2025
Teresa C. Price
REGIONAL ENGINEER

October 3, 2025
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

October 3, 2025
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

MODEL: General Notes [Sheet]
FILE NAME: c:\pw_work\pwid\jacob.drainier@illinois.gov\1072176\672420 - Index Sheet.dgn

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULES
5-6	TYPICAL SECTIONS
7-8	HORIZONTAL ALIGNMENT SCHEDULE
9-16	PLAN SHEETS

GENERAL NOTES

1. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL. PHONE (217) 785-5306.
2. NO PASSING ZONES TO BE FIELD VERIFIED BY THE RESIDENT ENGINEER, WHO SHALL NOTIFY THE BUREAU OF OPERATIONS WITH ANY CONCERNS, ALONG WITH NOTIFICATION 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKING. PHONE (217) 785-5306
3. AGGREGATE FOR THE A-1 BITUMINOUS SURFACE TREATMENT MAY BE CA-15, CA-16, OR CA-20

COMMITMENTS

(NONE)

HIGHWAY STANDARDS

NUMBER	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFELCTIVE PAVEMENT MARKINGS

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION WERE UTILIZED TO CALCULATE QUANTITIES

BITUMINOUS MATERIALS (FOG SEAL): 0.08 LBS/SQ FT (SHLDRS)

BITUMINOUS MATERIALS (FOG SEAL): 0.05 LBS/SQ FT (MAINLINE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED August 8, 2025
Leon C. Price
ENGINEER OF OPERATIONS

EXAMINED August 8, 2025
Leon C. Price
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED August 8, 2025
M. V.
ENGINEER OF PROGRAM DEVELOPMENT

	USER NAME = Jacob.Drainier	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & GENERAL NOTES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					662	(F,DX)Q	MACOUPIN	16	2
		CHECKED -	REVISED -					CONTRACT NO. 72420				
	PLOT DATE = 8/5/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: General Notes-1 [Sheet]
FILE NAME: c:\pw\work\pwwid\jacob.drainer@illinois.gov\1072178\ID672430 - SOG.dgn

				6-01482-0000
				NHPP FUNDING 80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				RURAL
40500061	CAPE SEAL	SQ YD	57162	57162
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	73	73
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	15	15
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2338	2338
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	779	779
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	53465	53465
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	294	294
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	294	294
X4060107	BITUMINOUS MATERIALS (FOG SEAL)	POUND	40689	40689

* SPECIALTY ITEM

REV - MS

	USER NAME = jacob.drainer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						662	(F,DX)Q	MACOUPIN	16	3
		CHECKED -	REVISED -						CONTRACT NO. 72420				
	PLOT DATE = 8/11/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.					
										ILLINOIS FED. AID PROJECT			

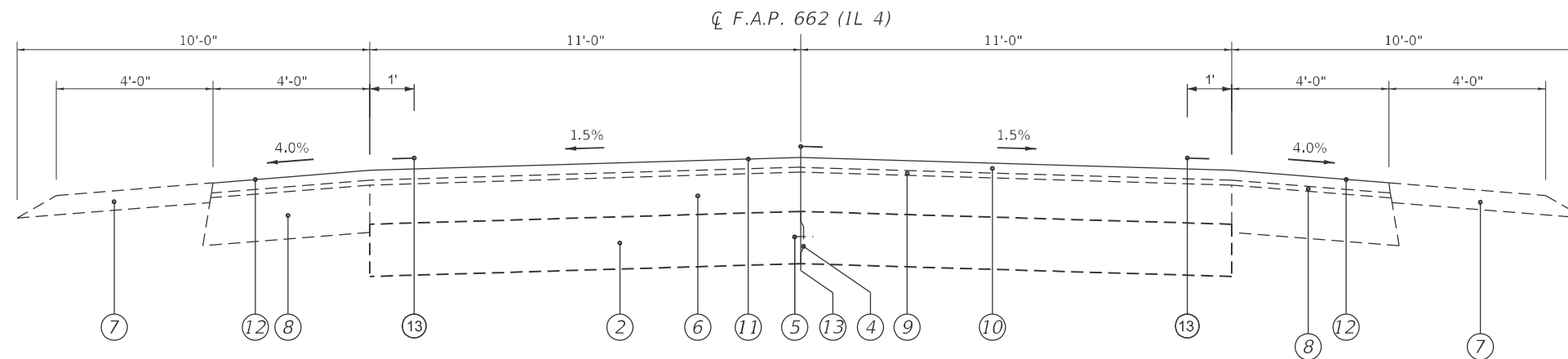
PAVEMENT MARKING SCHEDULE

TYP. SEC. #	LOCATION (STA TO STA)	LENGTH	(78009005)		(78100100)	(78300200)	(70300100)	(70300150)	
			MODIFIED URETHANE PVT MK - LINE 5"		RAISED REFL PAVT MRK	RAISED REFL PVT MK REM	SHORT-TERM PAVT MKING	SHRT-TRM PAVT MK REM	
			YELLOW						WHITE
		SOLID	SKIP-DASH	SOLID	(EACH)	(EACH)	(FOOT)	(SQ FT)	
		(FOOT)	(FOOT)	(FOOT)	(FOOT)				
	<u>[F.A.P. 662 (IL 4)]</u>								
(1-3)	91+66.63 TO 251+59.39	15,992.76		3,998.19	31,985.52	200.91	200.91	1,599.28	533.09
(1)	181+05.27 TO 189+55.27	850.00	850.0						
	(STA EQN) 251+59.39 (BK) = 251+67.91 (AH)								
(4-5)	251+67.91 TO 325+59.48	7,391.57		1,847.89	14,783.14	93.39	93.39	739.16	246.39
SUBTOTALS			850.00	5,846.08	46,768.66	294.30	294.30	2,338.43	779.48
(6-01482-0000) PROJECT TOTAL			53,465			294	294	2,338	779

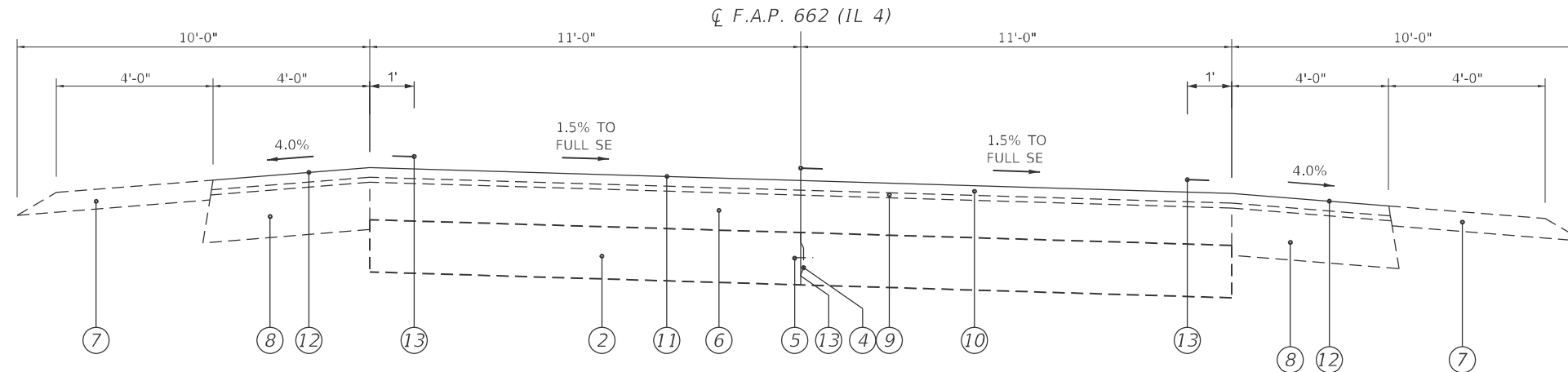
ROADWAY SCHEDULE

TYP. SEC. #	LOCATION (STA TO STA)	LENGTH	WIDTH	(40500061)	(40600982)	(X4060107)	
				CAPE SEAL	HMA SURF REM BUTT JT	BIT MATLS FS	
						(ML PAVT)	(SHLDRS)
		(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(POUND)	(POUND)
	[F.A.P. 662 (IL 4)]						
(1)	91+66.63 TO 91+81.63	15.0	22		36.67		
(1-3)	91+66.63 TO 251+59.39	15,992.76	22	39,093.41		17,592.04	10,235.37
	(STA EQN) 251+59.39 (BK) = 251+67.91 (AH)						
(4-5)	251+67.91 TO 325+59.48	7,391.6	22	18,068.28		8,130.73	4,730.60
(5)	325+45.48 TO 325+60.48	15.0	22		36.67		
(SUBTOTAL)				57,161.70	73.33	25,722.76	14,965.97
(6-01482-000) PROJECT TOTAL				57,162	73	40,689	

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(1) STA 91+66.63 TO STA 201+05.33 [10,938.70']



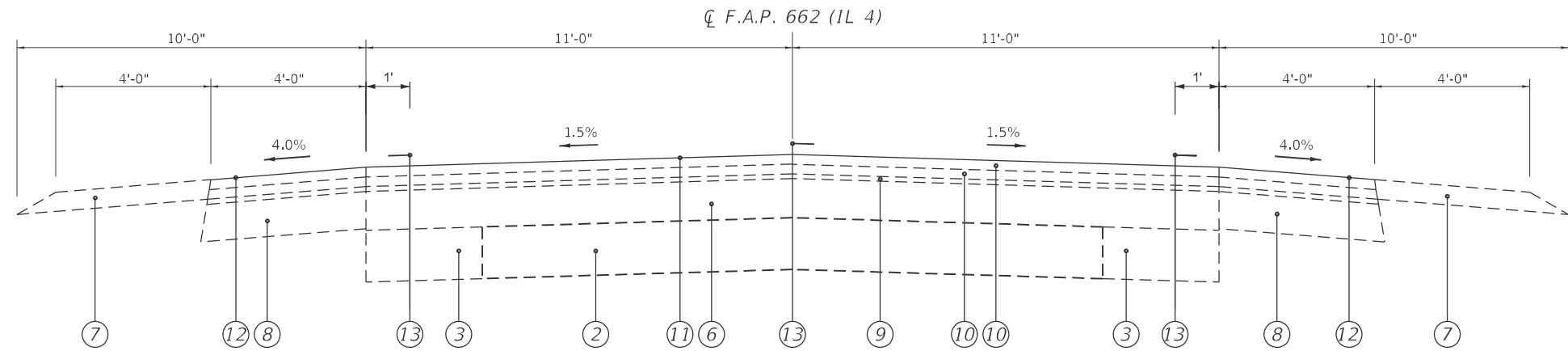
(2) STA 201+05.33 TO STA 241+56.73 [4,051.40']

LEGEND

- ① EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A
- ② EXIST. P.C.C. PAVEMENT, 8"
- ③ EXIST. P.C.C. BASE COURSE WINDENING, 8"
- ④ EXIST. LONGITUDINAL METAL JOINT
- ⑤ EXIST. STEEL TIE BAR
- ⑥ EXIST. BITUMINOUS OVERLAY, 4¼" TO 6¼"

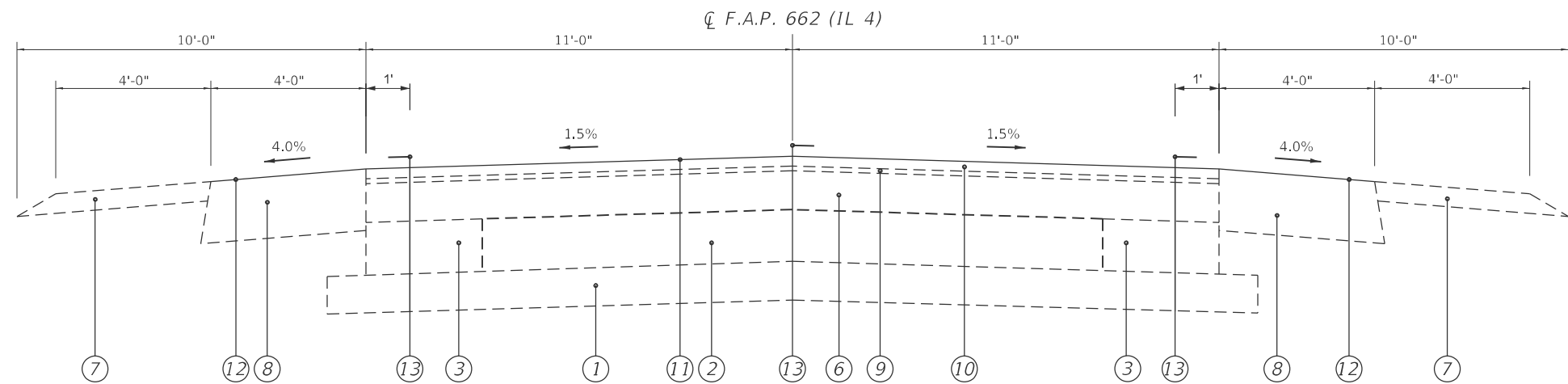
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. HMA SHOULDER, 7 $\frac{1}{4}$ "
- ⑨ EXIST. HMA LEVELING BINDER, $\frac{3}{4}$ "
- ⑩ EXIST. HMA SURFACE COURSE, 1 $\frac{1}{2}$ "
- ⑪ PROP. CAPE SEAL
- ⑫ PROP. FOG SEAL
- ⑬ PROP. PAVMENT MARKING

USER NAME = jacob.draimer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					662	(F.DX)Q	MACOUPIN	16	5
	CHECKED -	REVISED -		CONTRACT NO. 72420							
PLOT DATE = 8/1/2025	DATE -	REVISED -		SCALE: NTS	SHEET 1 OF 1	SHEETS STA.	TO STA.	ILLINOIS FED. AID PROJECT			



- (3) STA 241+56.73 TO STA 251+59.39 (BK) [1,002.66']
(4) STA 251+67.91 (AH) TO STA 320+00.00 [6,832.09']

(STA EQN):
STA 251+59.39 (BK) =
STA 251+67.91 (AH)



- (5) STA 320+00.00 TO STA 325+59.48 [559.48']

LEGEND

- | | |
|---|----------------------------------|
| ① EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A | ⑦ EXIST. AGGREGATE SHOULDER |
| ② EXIST. P.C.C. PAVEMENT, 8" | ⑧ EXIST. HMA SHOULDER, 7¼" |
| ③ EXIST. P.C.C. BASE COURSE WINDENING, 8" | ⑨ EXIST. HMA LEVELING BINDER, ¾" |
| ④ EXIST. LONGITUDINAL METAL JOINT | ⑩ EXIST. HMA SURFACE COURSE, 1½" |
| ⑤ EXIST. STEEL TIE BAR | ⑪ PROP. CAPE SEAL |
| ⑥ EXIST. BITUMINOUS OVERLAY, 4¼" TO 6¼" | ⑫ PROP. FOG SEAL |
| | ⑬ PROP. PAVMENT MARKING |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

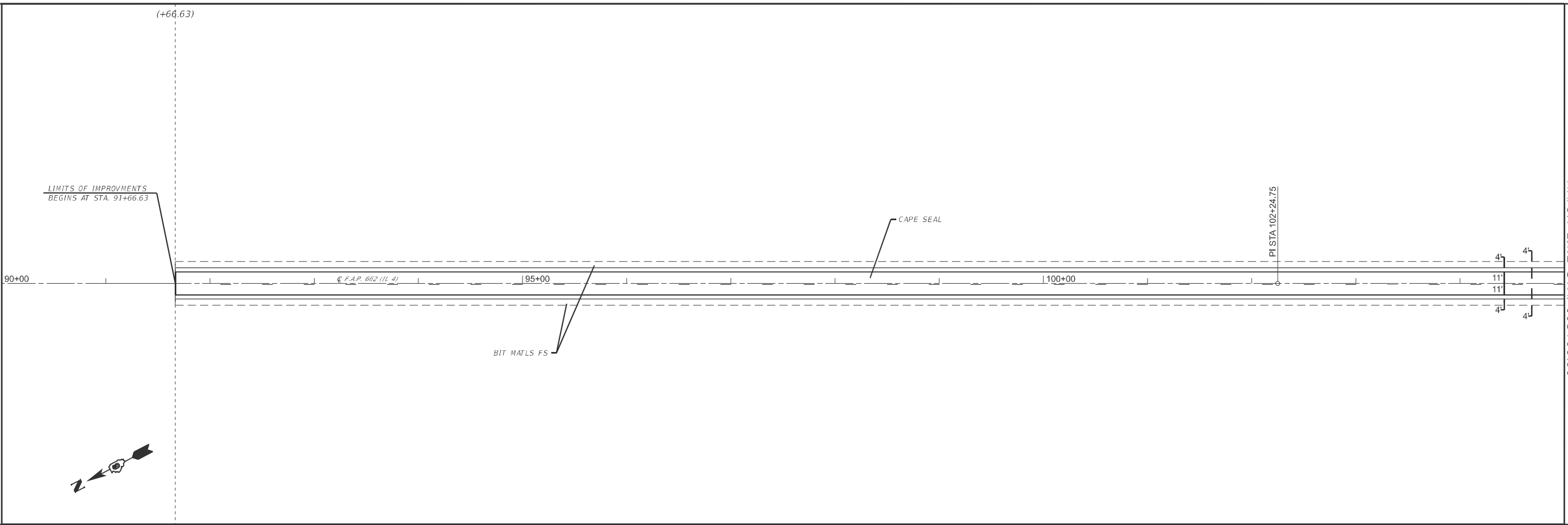
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F.DX)Q	MACOUPIN	16	6
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

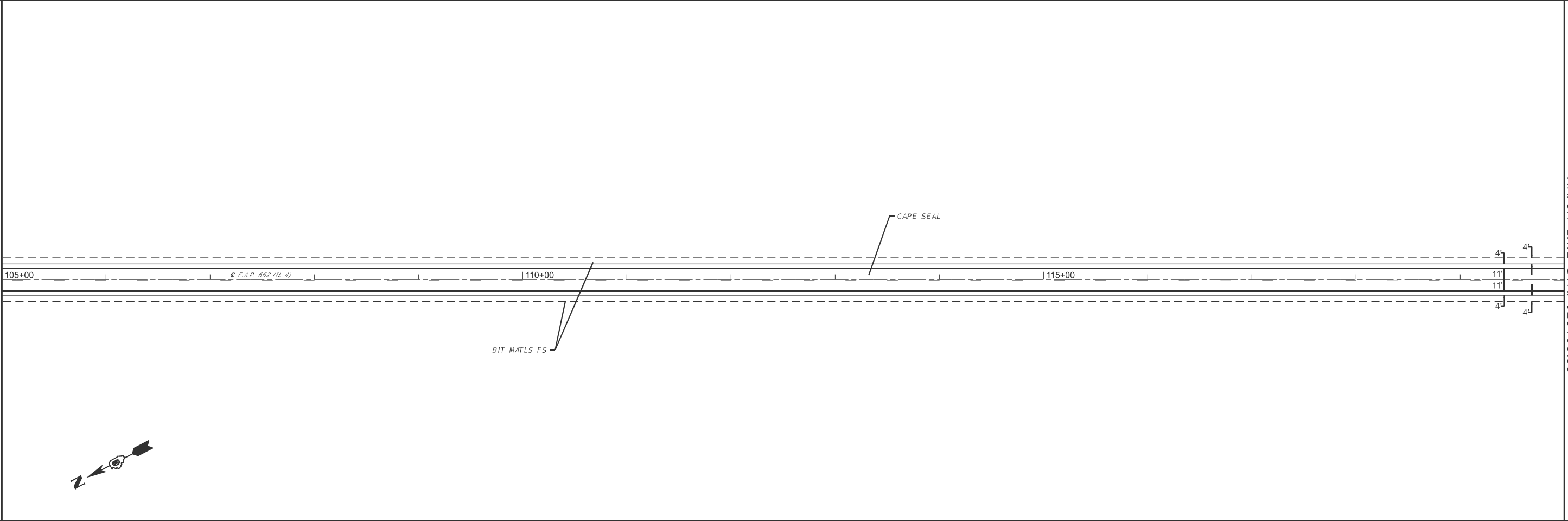
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PLOT DATE = 8/11/2025	DATE -	REVISED -

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MATCH LINE STA. 105+00.00



MATCH LINE STA. 105+00.00



MATCH LINE STA. 120+00.00

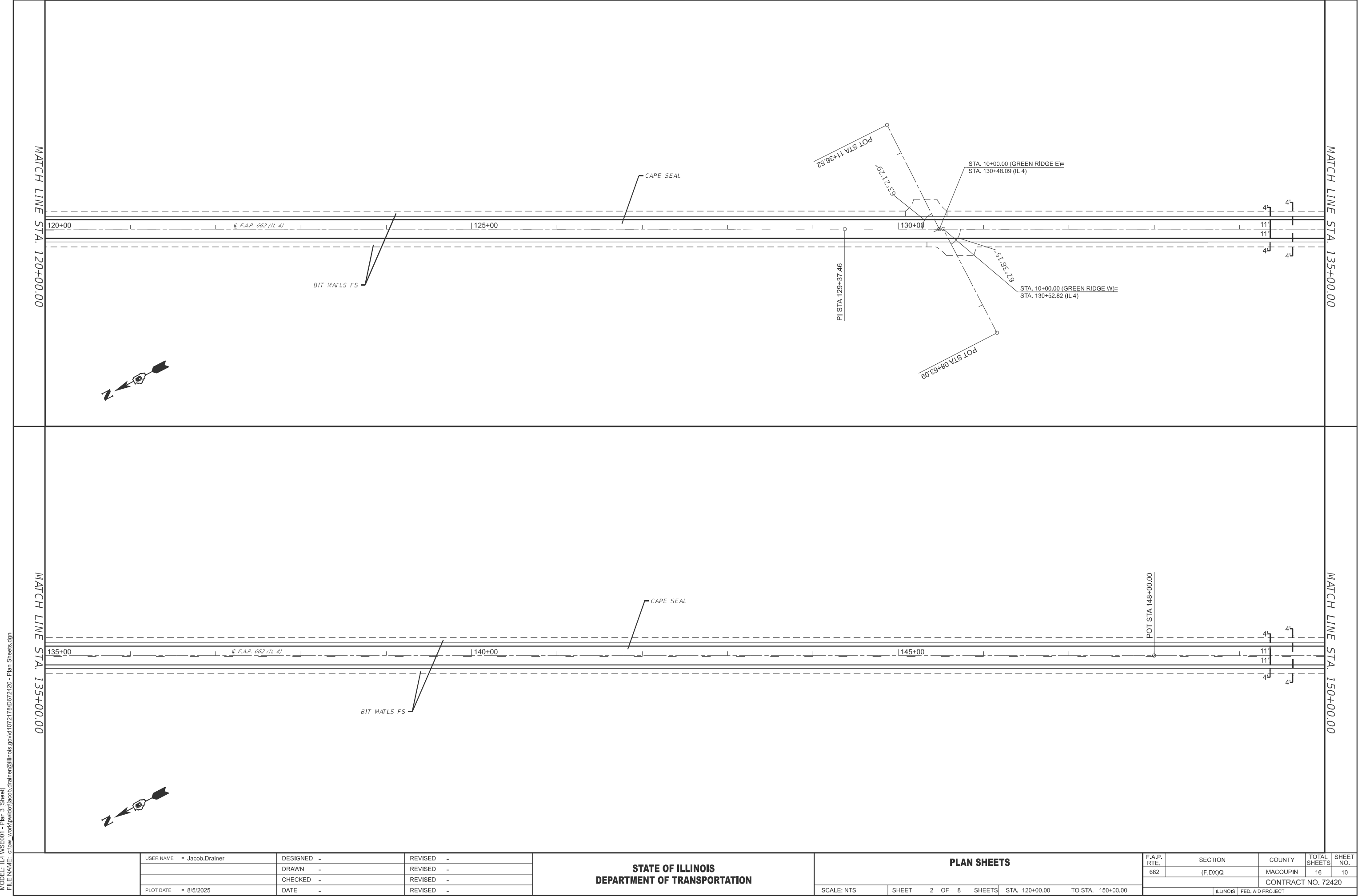
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		CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 1 OF 8 SHEETS STA. 90+00.00 TO STA. 120+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	9
CONTRACT NO. 72420				
		ILLINOIS	FED. AID PROJECT	



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USER NAME = Jacob.Drainer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

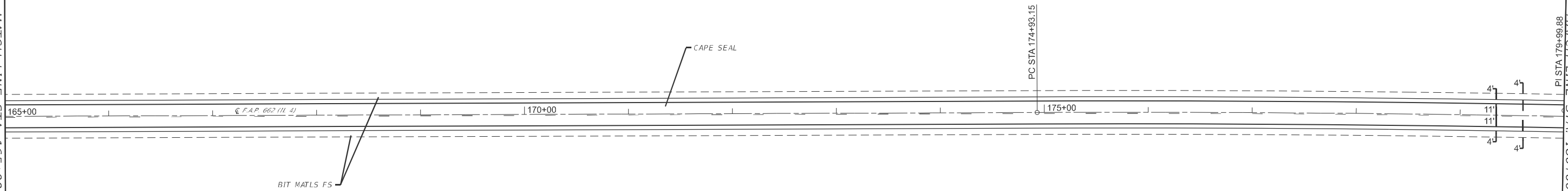
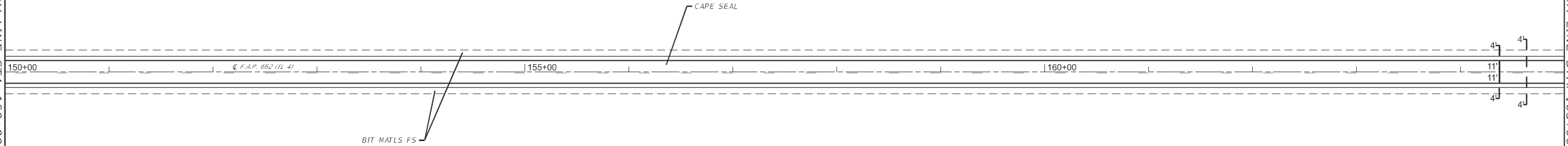
PLAN SHEETS			
SCALE: NTS	SHEET 2 OF 8 SHEETS	STA. 120+00.00	TO STA. 150+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	10
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

MODEL: IL4 WSE001 - Plan 5 [Sheet]
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MATCH LINE STA. 150+00.00

MATCH LINE STA. 165+00.00



MATCH LINE STA. 165+00.00

MATCH LINE STA. 180+00.00

USER NAME = Jacob.Drainer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

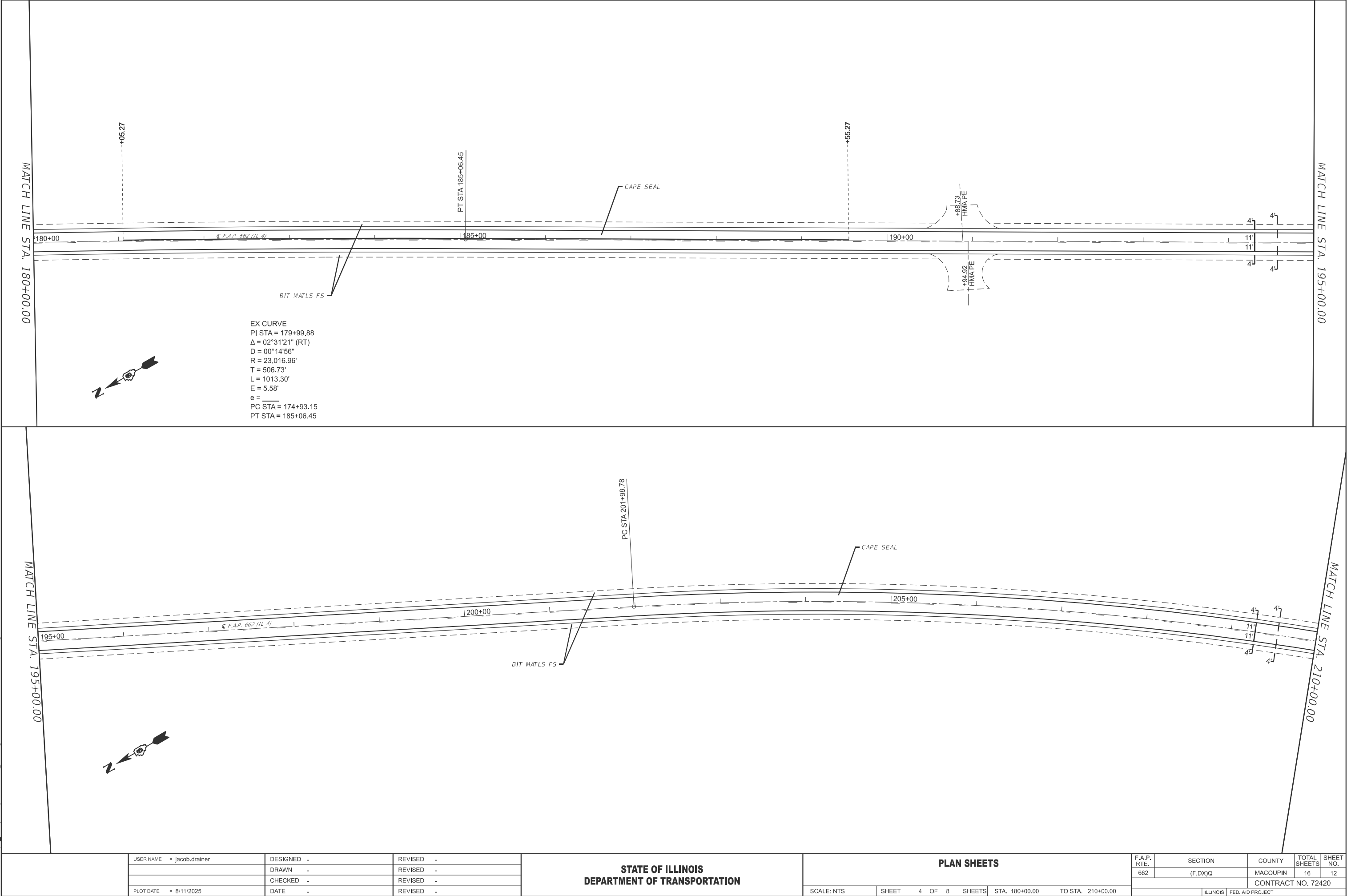
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 3 OF 8 SHEETS STA. 150+00.00 TO STA. 180+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	11
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

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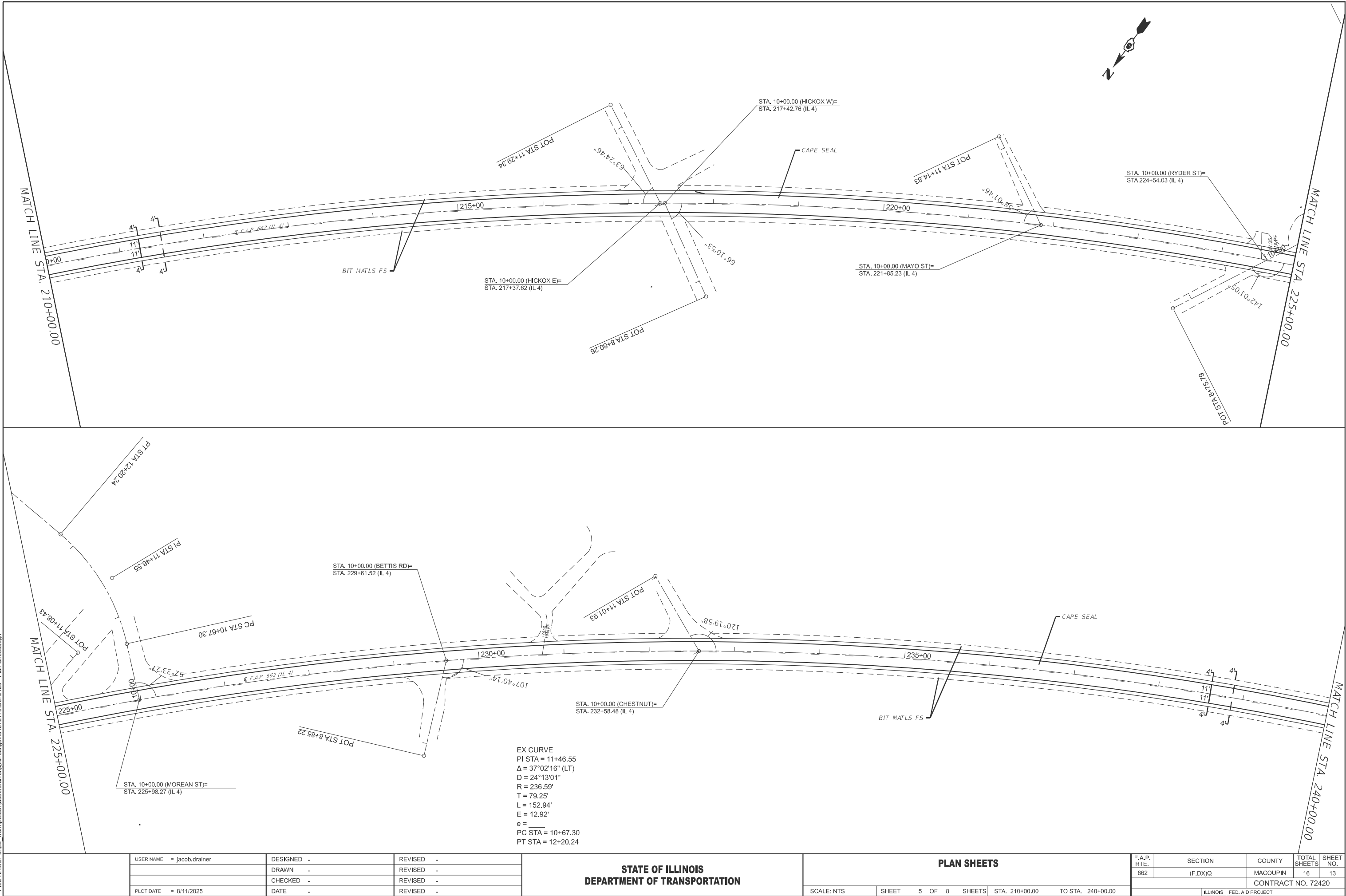
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	PLOT DATE = 8/11/2025	DATE -	REVISED -

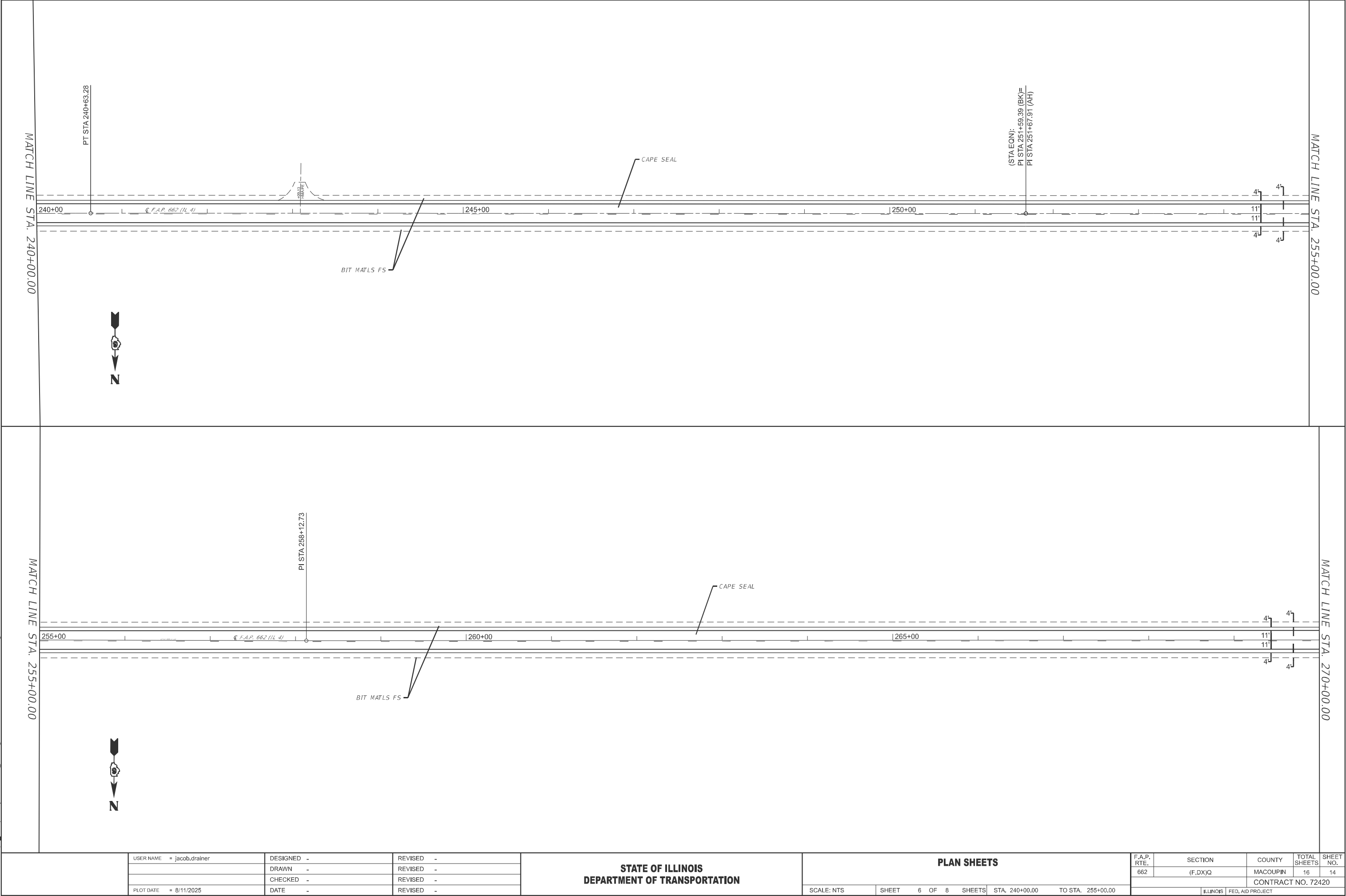
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS			
SCALE: NTS	SHEET 4 OF 8 SHEETS	STA. 180+00.00	TO STA. 210+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	12
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

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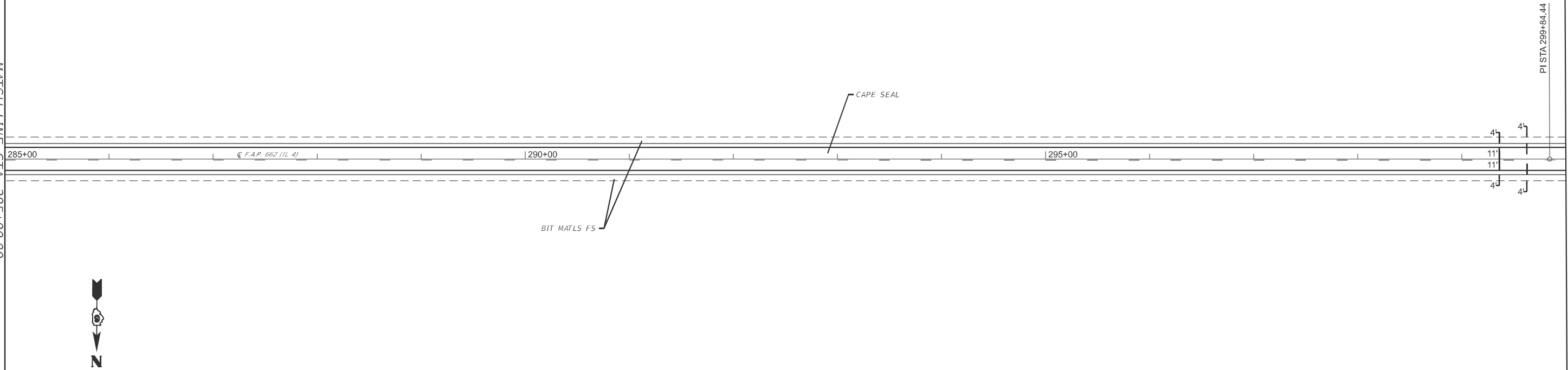
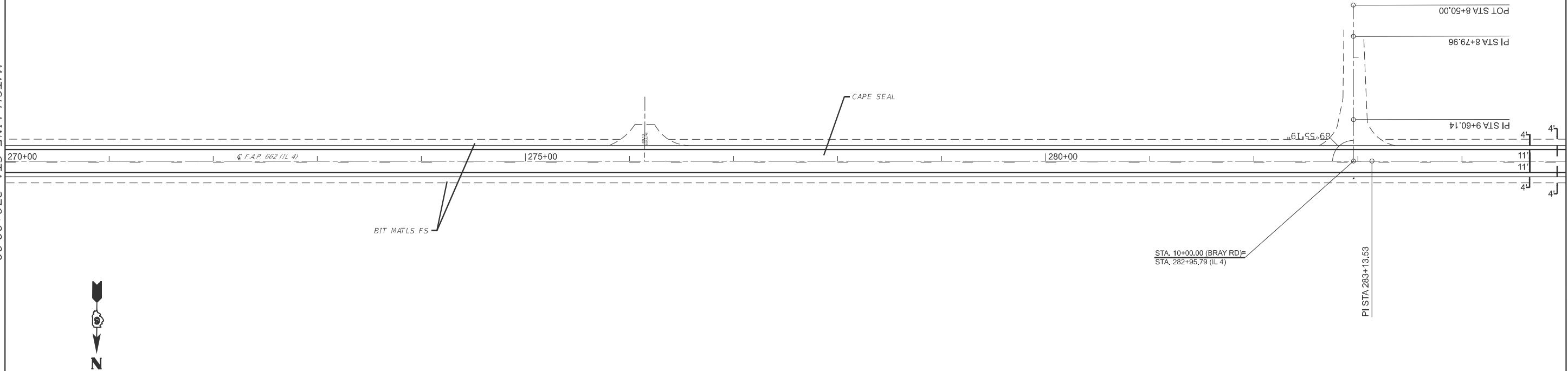




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MATCH LINE STA. 270+00.00

MATCH LINE STA. 285+00.00



MATCH LINE STA. 285+00.00

MATCH LINE STA. 300+00.00

USER NAME = jacob.dra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS			
SCALE: NTS	SHEET 7 OF 8 SHEETS	STA. 255+00.00	TO STA. 285+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	15
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				

MODEL: IL4-E003 - Plan 14 [Sheet]
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MATCH LINE STA. 165+00.00



MATCH LINE STA. 315+00.00



MATCH LINE STA. 315+00.00

CAPE SEAL

BIT MATLS FS

4'
11'
4'

STA. 10+00.00 (DONALDSON RD)
STA. 322+95.98 (IL 4)

CAPE SEAL

BIT MATLS FS

POT STA 8+50.00

PI STA 8+80.01

+60.25+68

LIMITS OF IMPROVMENTS
ENDS AT STA. 325+59.48

PC STA 327+21.20

4'
11'
4'

PI STA 11+19.49

POT STA 11+50.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: NTS SHEET 8 OF 8 SHEETS STA. 285+00.00 TO STA. 315+00.00

USER NAME = jacob.dra\ner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/11/2025	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	(F,DX)Q	MACOUPIN	16	16
CONTRACT NO. 72420				
ILLINOIS FED. AID PROJECT				