

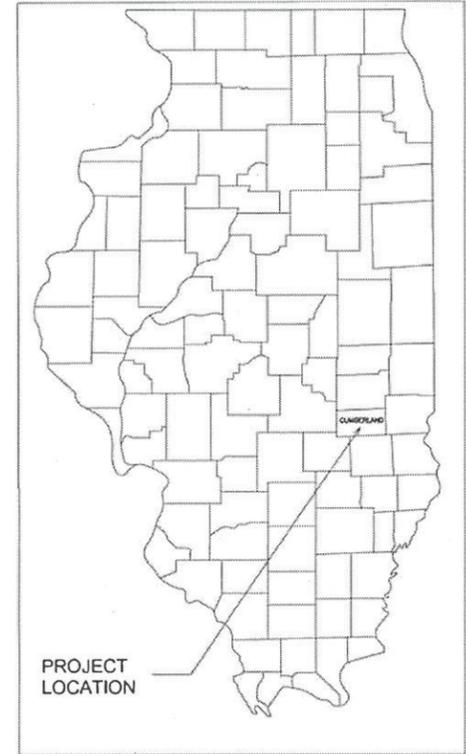
08-01-2025 LETTING ITEM 066

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM

SECTION 25-00088-00-RS
CUMBERLAND COUNTY
PROJECT 00L8(664)
JOB NO. C-97-023-25
FAS 1656

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1656	25-00088-00-RS	CUMBERLAND	7	1
CONTRACT 95981		ILLINOIS	PROJECT 00L8(664)	



PROJECT LOCATION

Joint Utility Locating Information for Excavators

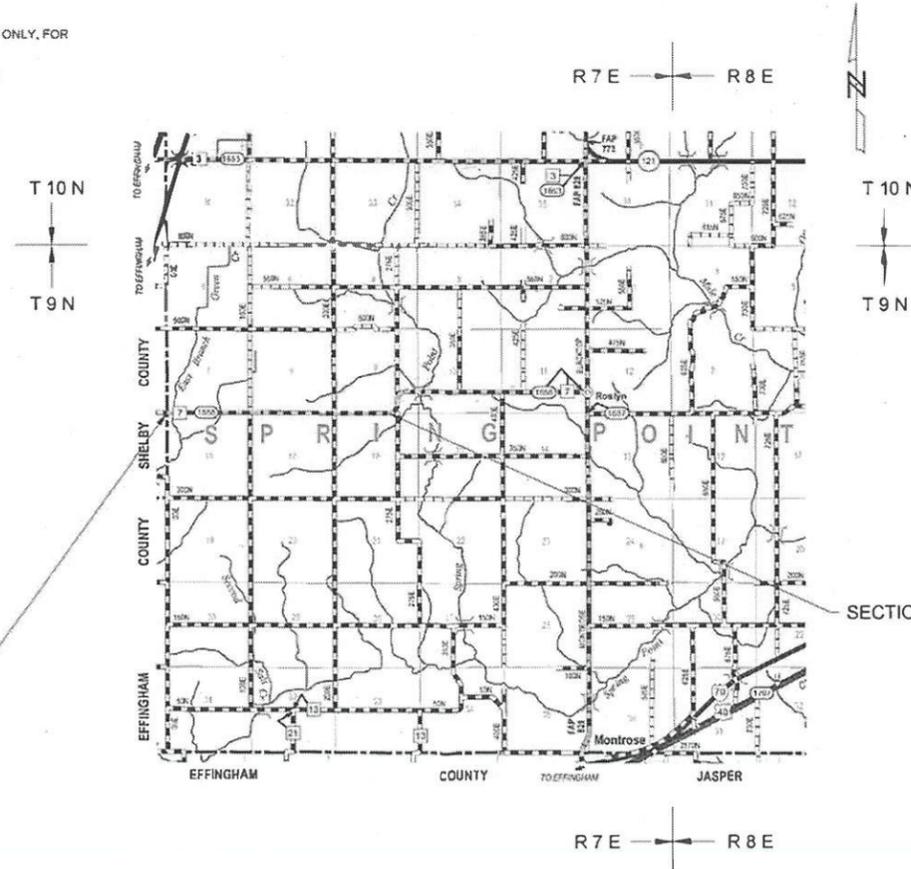
JULIE 1-800-892-0123

INDEX OF SHEETS

SHEET	ITEM
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND GENERAL NOTES
3	ROADWAY TYPICAL SECTIONS
4	SCHEDULES OF QUANTITIES
5	SIDE ROAD AND ENTRANCE DETAILS
6	BUTT JOINT DETAIL
7	HORIZONTAL ALIGNMENT

STANDARD DRAWINGS

STANDARD 000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
STANDARD 701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
STANDARD 701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
STANDARD 701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
STANDARD 701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
STANDARD 701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
STANDARD 701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
STANDARD 701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
STANDARD 701901-10	TRAFFIC CONTROL DEVICES
STANDARD BLR 24-2	MAILBOX TURNOUTS FOR LOCAL ROADS



SECTION 25-00088-00-RS BEGINS STA. 1+00.00

SECTION 25-00088-00-RS ENDS STA. 139+92.00

CONTRACT 95981
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR
ADT = 700
DESIGN SPEED = 50 MPH

NET LENGTH SECTION 25-00088-00-RS = 13.892.00 Ft. = 2.631 Mi.



Brandon M. Bridges
4-30-2025

LICENSE EXPIRES 11/30/2025

CHARLESTON ENGINEERING, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
105 NORTH KITCHELL AVENUE
P.O. BOX 397
OLNEY, ILLINOIS 62450
(618) 392-0736
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184 003513

APPROVED APRIL 30 2025

Rick May
CUMBERLAND COUNTY ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PASSED 05/29/25
Scott Walker
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS AND STREETS

Releasing For
Bid Based on
Limited Review 05/29/25
Paul Ramsey
REGION FOUR ENGINEER

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND COORDINATION WITH UTILITY COMPANIES.

THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CUMBERLAND COUNTY HIGHWAY DEPARTMENT. FINAL PAVEMENT MARKINGS WILL BE BY OTHERS.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SURFACE COURSE, TY-B	2.0 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.25 POUNDS/SQ FT
BITUMINOUS MATERIALS (TACK COAT)	0.05 POUNDS/SQ FT
HOT-MIX ASPHALT	112.0 POUNDS/SQ YD/INCH THICKNESS
AGGREGATE WEDGE SHOULDER, TYPE-B	2.0 TONS/CU YD

SCHEDULE OF KNOWN UTILITIES

DESIGN STAGE JULIE NO. A250763075 (3/17/2025)

UTILITY COMPANY	TYPE	CONTACT NAME	PHONE NUMBER	E-MAIL ADDRESS	MAILING ADDRESS
AMEREN ILLINOIS	ELECTRIC	NATHAN HILL	618-301-5305	nhill2@ameren.com	#6 EXECUTIVE DRIVE, COLLINSVILLE, IL 62234
CENTENNIAL PIPELINE	PIPELINE	BOB THOMPSON	618-835-2251	-	-
EJ WATER COOPERATIVE	WATER LINE	DEAN SWINGLER	217-925-5566	dswingler@ejwatercoop.com	108 S. MAIN STREET, DIETERICH, IL 62424
ENERGY TRANSFER	PIPELINE	DAMEON THOMASON	618-599-3614	Encroachments@energytransfer.com	2500 COLT ROAD, SPRINGFIELD, IL 62707
ILLINOIS CONSOLIDATED TELEPHONE	COMMUNICATIONS	WES CHAMBERS	217-235-3355	wes.chambers@consolidated.com	8 SOUTH WASHINGTON ST, P.O. BOX 555, SULLIVAN, IL 61951
METRO COMMUNICATIONS	COMMUNICATIONS	TAYLOR RICH	217-728-3608	trich@metrocomm.com	-
TRUNKLINE GAS	PIPELINE	BOB THOMPSON	618-835-2251	-	-

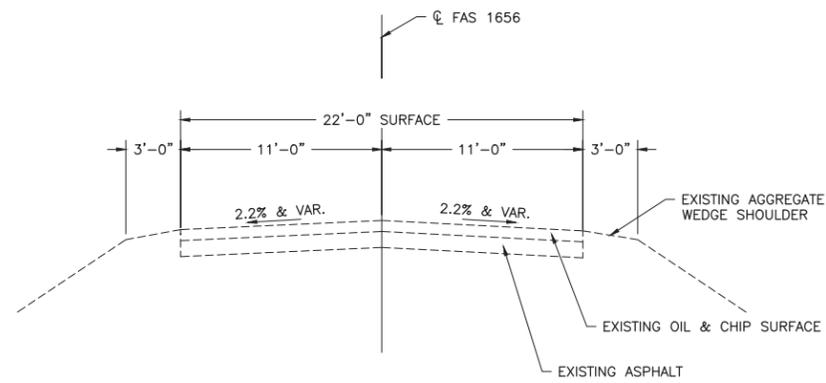
SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	52
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	15,285
40600990	TEMPORARY RAMP	SQ YD	80
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	2,855
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	148
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	39
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	305
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,263
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	417
X4400104	SURFACE REMOVAL (SPECIAL)	SQ YD	33,960
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX005348	AGGREGATE SHOULDERS (SPECIAL)	FOOT	13,892
XX127400	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	TON	225
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

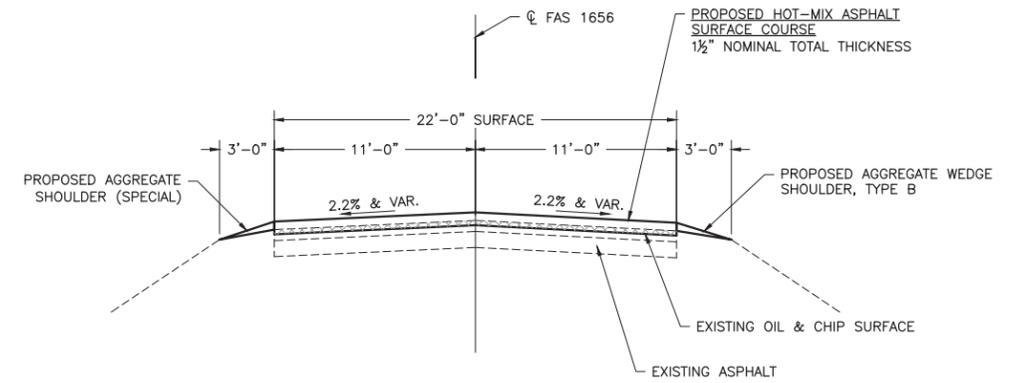
LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE SURFACE COURSE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1.5")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	3000	N/A
MAINLINE PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	HMA BINDER COURSE, IL-19.0, N70	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA	3000	N/A
INCIDENTAL HMA	HMA SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA	N/A	N/A

SUMMARY OF MAINLINE AND ENTRANCES/SIDEROAD QUANTITIES

CODE NUMBER	40200800	40600290	40604052	40800050
LOCATION	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	INCIDENTAL HOT-MIX ASPHALT SURFACING
	TON	POUND	TON	TON
MAINLINE	0	15285	2855	0
ENTRANCES AND SIDE ROADS	52	0	0	39
TOTAL =	52	15285	2855	39



EXISTING TYPICAL SECTION
STA. 1+00.00 TO 139+92.00



PROPOSED TYPICAL SECTION
STA. 1+00.00 TO 139+92.00

HATCH LEGEND



PROPOSED SURFACE REMOVAL (SPECIAL)

CHARLESTON ENGINEERING, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450
P.O. BOX 397 (618) 392-0736
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

DESIGNED - BMB	REVISED -
DRAWN - BMB	REVISED -
CHECKED - BMB	REVISED -
DATE - 4-23-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL SECTIONS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1656	25-00088-00-RS	CUMBERLAND	7	3
CONTRACT 95981		ILLINOIS	PROJECT 00L8(664)	

PAVEMENT PATCHING SCHEDULE							
CODE NUMBER			XX127400				
LOCATION	STATION TO STATION	LENGTH	WIDTH	AREA	DEPTH	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	
		FOOT	FOOT	SQ YD	INCH	TON	
LT	STA. 43+64 TO STA. 44+16	52	6	35	12	25	
LT	STA. 44+42 TO STA. 45+90	148	5	83	12	60	
RT	STA. 68+70 TO STA. 69+05	35	5	20	12	15	
RT	STA. 83+00 TO STA. 85+00	200	7	156	12	105	
RT	STA. 139+55 TO STA. 139+92	37	7	29	12	20	
TOTAL =						225	

MAINLINE ROADWAY PAVING SCHEDULE													
PAVEMENT STRUCTURE		SURFACE REMOVAL (SPECIAL)			SURFACE COURSE								
CODE NUMBER		X4400104			40600290		40604052		48102100	XX005348			
STATION TO STATION		LENGTH	WIDTH	SURFACE REMOVAL (SPECIAL)	HMA PAVEMENT LENGTH	HMA PAVEMENT WIDTH	HMA PAVEMENT AREA	BITUMINOUS MATERIALS (TACK COAT) RESIDUAL ASPHALT RATE	BITUMINOUS MATERIALS (TACK COAT)	TOTAL HMA SURFACE COURSE DEPTH	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	AGGREGATE WEDGE SHOULDER, TYPE B	AGGREGATE SHOULDERS (SPECIAL)
		FOOT	FOOT	SQ YD	FOOT	FOOT	SQ YD	LB/SQ FT	POUND	IN	TON	TON	FOOT
1+00 to	139+92	13,892	22	33,960	13,892	22	33,960	0.05	15,285	1.5	2,855	305	13,892
TOTALS =				33,960					15,285		2,855	305	13,892

SHORT TERM PAVEMENT MARKING SCHEDULE					
CODE NUMBER		70300100		70300150	
START STATION	END STATION	LENGTH	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT REMOVAL WIDTH	SHORT TERM PAVEMENT MARKING REMOVAL
		FOOT	FOOT	FOOT	SQ FT
1+00	139+92	13892	1263	0.33	417
TOTAL =			1263		417

NOTE: SHORT TERM CENTER LINE MARKINGS SHALL CONSIST OF AN ABBREVIATED PATTERN OF SINGLE STRIPES 4 FOOT IN LENGTH AND A MINIMUM OF 4 INCHES WIDE AT A MAXIMUM SPACING OF 40 FOOT BETWEEN STRIPES.

MAILBOX TURNOUT SCHEDULE	
STATION	LOCATION
1+68	LT
19+20	RT
41+32	LT
52+54	RT
83+44	LT
87+90	LT
95+12	RT
138+20	LT

NOTE: MAILBOX TURNOUTS SHALL BE CONSTRUCTED WITH 48102100 - AGGREGATE WEDGE SHOULDER AT 3 FOOT WIDTH. QUANTITIES FOR MAILBOX TURNOUTS ARE INCLUDED IN QUANTITY FOR ITEM 48102100 - AGGREGATE WEDGE SHOULDER AND ITEM XX005348 - AGGREGATE SHOULDERS (SPECIAL)

TEMPORARY RAMP SCHEDULE				
CODE NUMBER		40600990		
LOCATION	STATION	LENGTH	WIDTH	TEMPORARY RAMP
		FOOT	FOOT	SQ YD
A.R.	STA. 1+00	8	22	20
A.R.	STA. 139+92	8	22	20
A.R.	VARIABLE	8	11	10
A.R.	VARIABLE	8	11	10
A.R.	VARIABLE	8	11	10
A.R.	VARIABLE	8	11	10
TOTAL =				80

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SCHEDULE				
CODE NUMBER		40600982		
LOCATION	STATION	LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
		FOOT	FOOT	SQ YD
A.R.	STA. 1+00	30	22	74
A.R.	STA. 139+92	30	22	74
TOTAL =				148

ENTRANCES AND SIDE ROADS SCHEDULE											
PAVEMENT STRUCTURE					SURFACE COURSE						
CODE NUMBER					40800050	40200800					
STATION	LOCATION	TYPE	EXISTING SURFACE MATERIAL	PROPOSED SURFACE MATERIAL	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B	W1	W2	LENGTH	FLARE / RADIUS	
					TON	TON	FOOT	FOOT	FOOT	FOOT	
1+50	LT	SIDE ROAD	AGG.	AGG.	-	2	36	20	8	8' FLARE	
3+46	RT	FE	AGG.	AGG.	-	1	26	18	8	4' FLARE	
7+47	LT	FE	AGG.	AGG.	-	1	30	22	8	4' FLARE	
13+84	LT	PE	AGG.	AGG.	-	1	30	22	8	4' FLARE	
15+06	RT	PE	AGG.	AGG.	-	2	42	34	8	4' FLARE	
18+76	RT	PE	AGG.	AGG.	-	3	76	68	8	4' FLARE	
27+50	RT	FE	AGG.	AGG.	-	1	22	14	8	4' FLARE	
27+68	LT	FE	AGG.	AGG.	-	1	26	18	8	4' FLARE	
37+12	RT	PE	AGG.	AGG.	-	2	40	24	8	8' FLARE	
38+65	RT	PE	AGG.	AGG.	-	2	50	34	8	8' FLARE	
40+45	LT	PE	AGG.	AGG.	-	2	42	34	8	4' FLARE	
41+12	LT	PE	HMA	HMA	3	-	40	24	8	8' FLARE	
52+72	RT	PE	AGG.	AGG.	-	3	48	32	8	8' FLARE	
54+00	LT	SIDE ROAD	OIL & CHIP	HMA	7	-	58	18	28	30 / 25	
54+00	RT	SIDE ROAD	OIL & CHIP	HMA	8	-	62	18	28	45 / 30	
73+32	LT	FE	AGG.	AGG.	-	1	28	20	8	4' FLARE	
80+30	RT	FE	AGG.	AGG.	-	1	28	20	8	4' FLARE	
82+36	RT	PE	AGG.	AGG.	-	2	46	38	8	4' FLARE	
85+34	LT	FE	AGG.	AGG.	-	2	36	28	8	4' FLARE	
86+93	LT	PE	AGG.	AGG.	-	2	44	28	8	8' FLARE	
93+44	LT	FE	AGG.	AGG.	-	1	26	18	8	4' FLARE	
93+80	RT	FE	AGG.	AGG.	-	2	32	24	8	4' FLARE	
94+50	RT	PE	AGG.	AGG.	-	2	52	44	8	4' FLARE	
94+62	LT	PE	AGG.	AGG.	-	1	30	22	8	4' FLARE	
102+68	LT	FE	AGG.	AGG.	-	1	30	22	8	4' FLARE	
106+85	LT	SIDE ROAD	OIL & CHIP	HMA	11	-	72	20	34	35 / 40	
106+85	RT	SIDE ROAD	OIL & CHIP	HMA	10	-	76	24	28	30 / 40	
113+38	LT	FE	AGG.	AGG.	-	1	30	22	8	4' FLARE	
120+00	LT	FE	AGG.	AGG.	-	2	34	26	8	4' FLARE	
120+06	RT	PE	AGG.	AGG.	-	2	32	24	8	4' FLARE	
129+48	RT	FE	AGG.	AGG.	-	6	26	18	8	4' FLARE	
129+90	LT	FE	AGG.	AGG.	-	1	26	18	8	4' FLARE	
133+25	RT	FE	AGG.	AGG.	-	1	28	20	8	4' FLARE	
137+02	LT	PE	AGG.	AGG.	-	1	26	18	8	4' FLARE	
138+38	LT	PE	AGG.	AGG.	-	2	44	28	8	8' FLARE	
TOTALS =					39	52					

CHARLESTON ENGINEERING, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
105 NORTH KITCHHELL AVENUE OLNEY, ILLINOIS 62450
P.O. BOX 397 (618) 392-0736
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

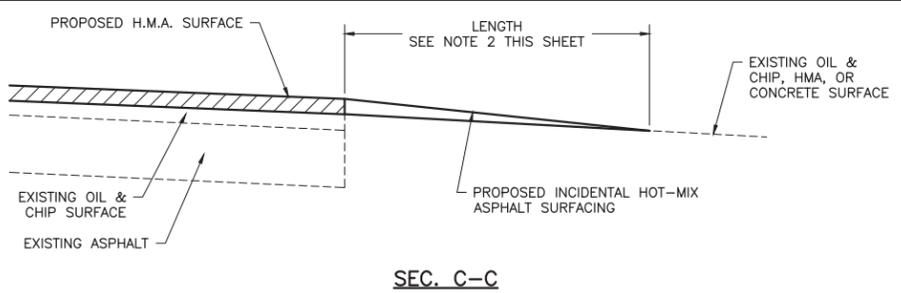
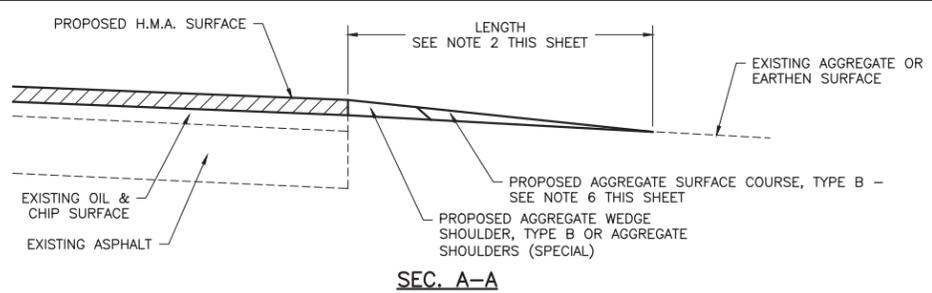
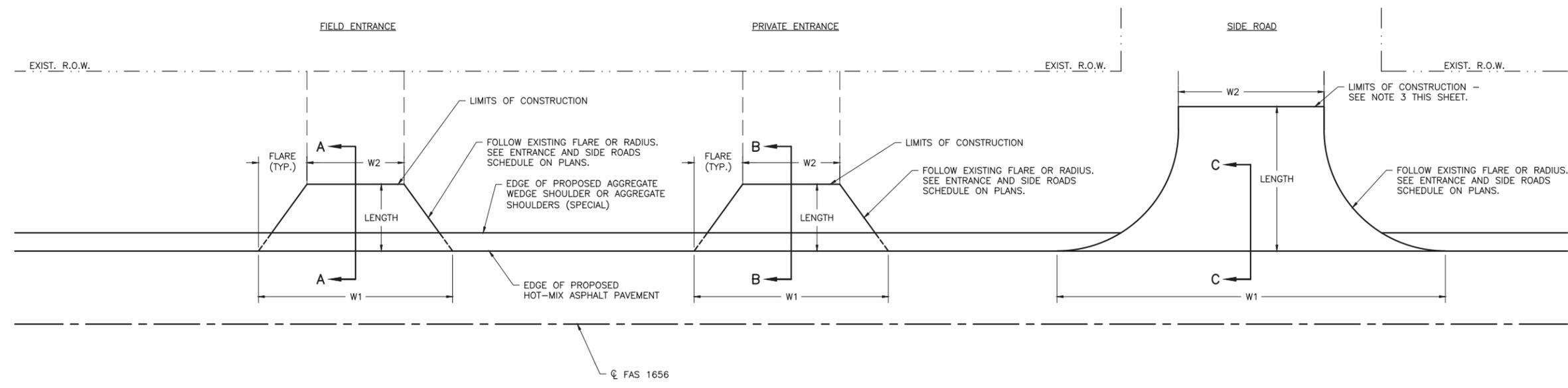
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DATE -- 4-23-2025

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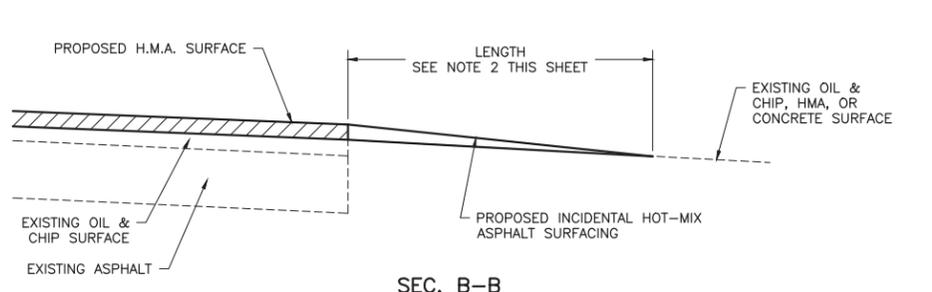
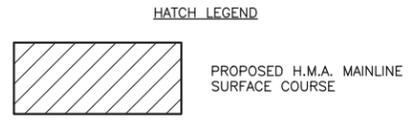
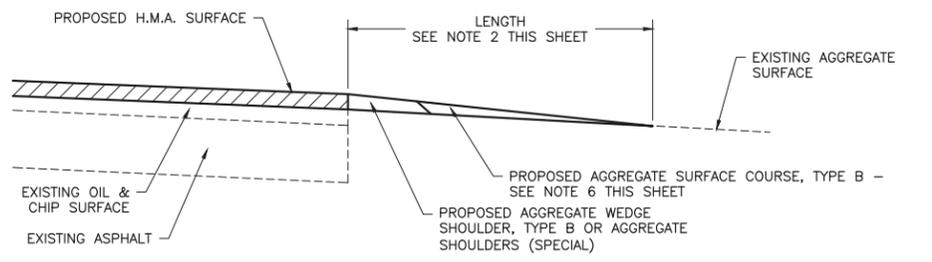
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1656	25-00088-00-RS	CUMBERLAND	7	4
CONTRACT 95981		ILLINOIS	PROJECT 00L8(664)	



- NOTES**
1. MATCH EXISTING DIMENSIONS OF ALL FIELD ENTRANCES, PRIVATE ENTRANCES, AND SIDE ROADS. WIDTHS AND RADII SHOWN ON ENTRANCES AND SIDE ROADS SCHEDULE ON THE PLANS IS SHOWN AS A BASIS FOR ESTIMATING QUANTITIES.
 2. FINAL LENGTH = 8 FEET UNLESS OTHERWISE NOTED ON PLANS. SEE ENTRANCE AND SIDE ROADS SCHEDULE ON THE PLANS FOR FINAL DISTANCES AND DIMENSIONS.
 3. BITUMINOUS MATERIALS (TACK COAT) SHALL BE APPLIED ON ALL MILLED OIL & CHIP, HMA, OR CONCRETE SURFACES THAT WILL HAVE HOT-MIX ASPHALT OVERLAY.

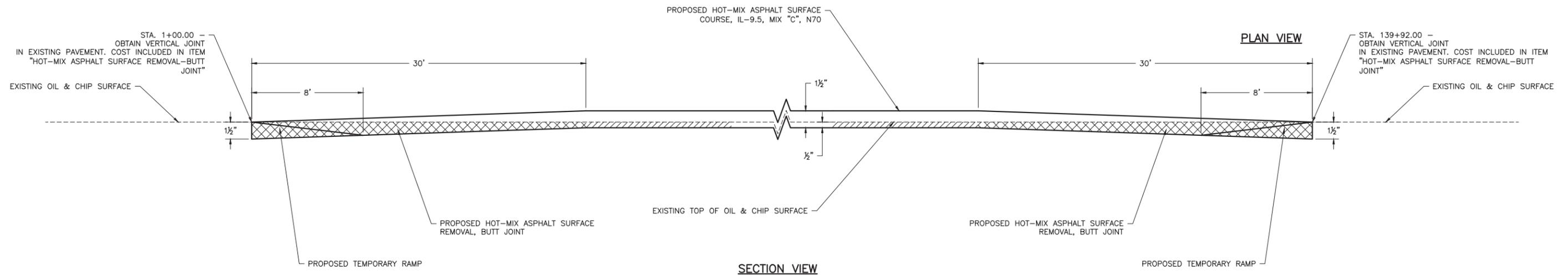
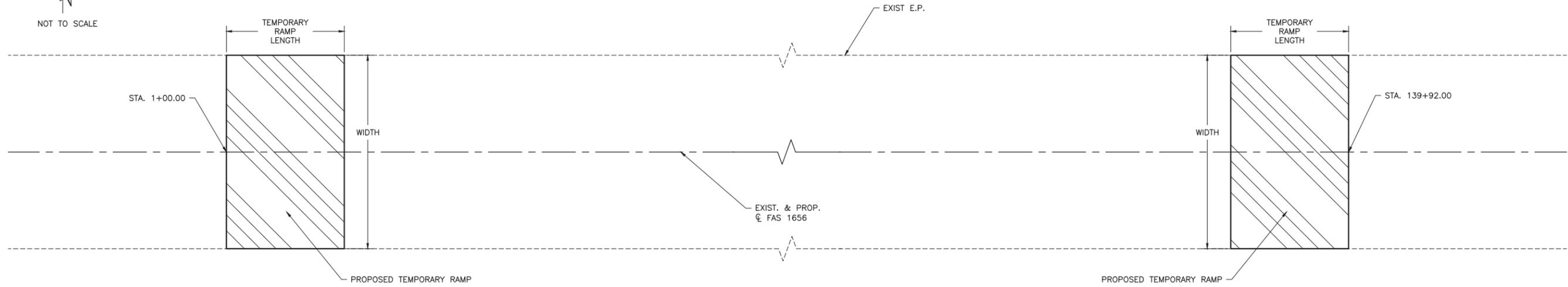


CHARLESTON ENGINEERING, INC. CONSULTING ENGINEERS - LAND SURVEYORS 105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 P.O. BOX 397 (618) 392-0736 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513	DESIGNED - BMB	REVISED -
	DRAWN - BMB	REVISED -
	CHECKED - BMB	REVISED -
	DATE - 4-23-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDE ROAD AND ENTRANCE DETAILS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1656	25-00088-00-RS	CUMBERLAND	7	5
CONTRACT 95981		ILLINOIS	PROJECT 00L8(664)	



HATCH LEGEND

	PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	PROPOSED SURFACE REMOVAL (SPECIAL)
	PROPOSED TEMPORARY RAMP

BUTT JOINT DETAIL
STA. 1+00.00 AND STA. 139+92.00

NOTE: SEE "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SCHEDULE" AND "TEMPORARY RAMP SCHEDULE" ON THE PLANS FOR DIMENSIONS NOT SHOWN ON THIS SHEET.

CHARLESTON ENGINEERING, INC.
CONSULTING ENGINEERS - LAND SURVEYORS
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450
P.O. BOX 397 (618) 392-0736
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

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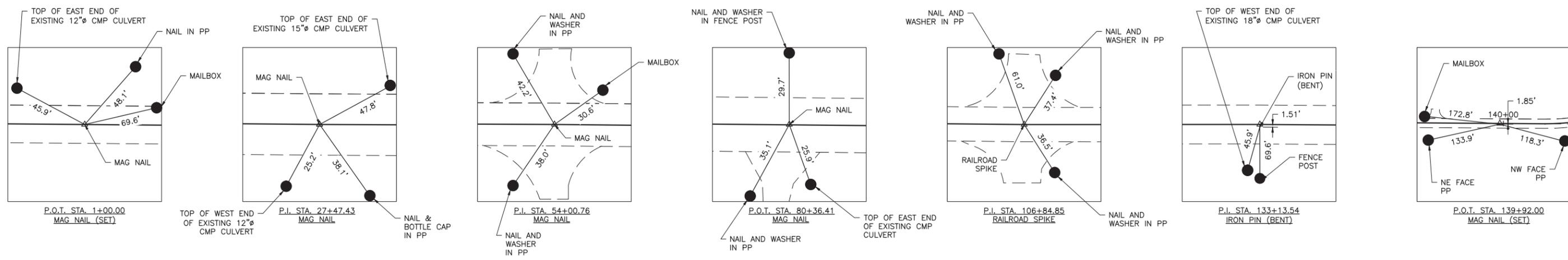
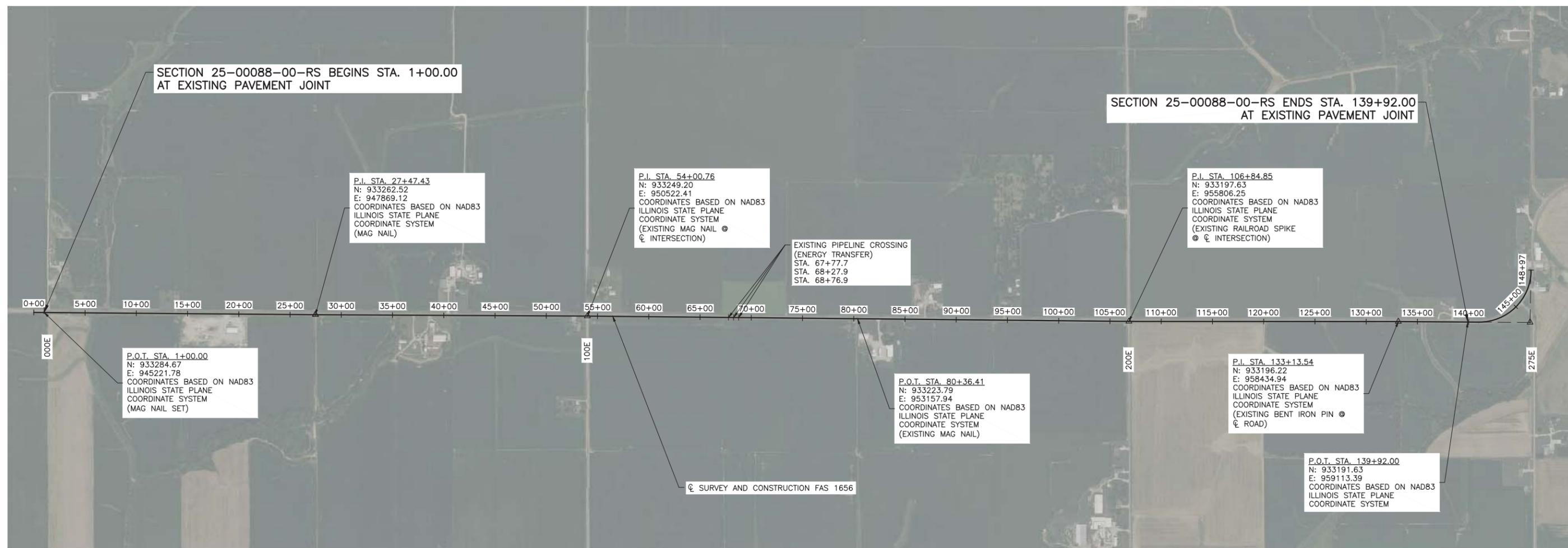
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1656	25-00088-00-RS	CUMBERLAND	7	6
CONTRACT 95981		ILLINOIS	PROJECT 00L8(664)	



SCALE:
1" = 500'



NOTE: THE DRAWINGS NOT TO SCALE

CHARLESTON ENGINEERING, INC. CONSULTING ENGINEERS - LAND SURVEYORS 105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 P.O. BOX 397 (618) 392-0736 <small>ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513</small>	DESIGNED -- BMB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL ALIGNMENT	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -- BMB	REVISED --			FAS 1656	25-00088-00-RS	CUMBERLAND	7	7	
	CHECKED -- BMB	REVISED --			CONTRACT 95981			ILLINOIS	PROJECT 00L8(664)	
	DATE -- 4-23-2025	REVISED --								