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

INDEX OF SHEETS

COVER SHEET

2 GENERAL NOTES / SUMMARY OF QUANTITIES

TYPICAL SECTIONS

4-5 DETAIL SHEET

6-22 PLAN SHEETS

LIST OF STANDARDS

482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT

642006 SHOULDER RUMBLE STRIPS, 8"

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

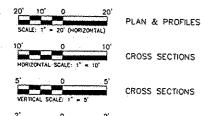
701306-03 LANE CLOSURE, 2L. 2W SLOW MOVING OPERATION DAY

ONLY, FOR SPEEDS ≥ 45 MPH

701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS DAY ONLY
701901-04 TRAFFIC CONTROL DEVICES

701901-04 TRAFFIC CONTROL DEVICES
780001-05 TYPICAL PAVEMENT MARKINGS

BLR 24-2 MAILBOX TURNOUTS FOR LOCAL ROADS



PROFIL

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASURMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CONTRACT NO. 93650

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED PLANS FOR

SURFACE TRANSPORTATION / RURAL PROGRAM HRRRP

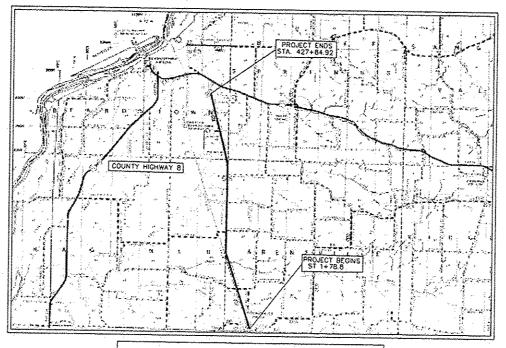
CH-8 (FAS 579)

SECTION 05-00069-00-RS

PROJECT RS-0579 (120)

CASS COUNTY

JOB NUMBER C-96-262-10



DESCRIPTION OF WORK

THIS PROJECT CONSISTS OF RESURFACING AND COLD IN PLACE RECYCLING.

OVERLAY THICKNESS 2½" OF HMA.

ALSO INCLUDED WILL BE HOT-MIX ASPHALT SHOULDERS, SIDEROAD/ENTRANCE IMPROVEMENTS AND PAVEMENT MARKING.

SECTION ORIGINALLY CONSTRUCTED AS SECTION SEC 19 0

SEC 19 0

SEC 20 0

SEC 20 0

SEC 20 0

SEC 20 ORS
SEC 90-00055-00-RS
SEC 92-00056-00-RS

LOCATION MAP

NET LENGTH OF IMPROVEMENT = $42606 \text{ L.F.} \approx \pm 8.069 \text{ MS}$



APPROVED 4-1-2015

LINEAR COUNTY PROMEER

PASSED April 7, 2015

DISTRICT STY ENGINEER OF LOCAL ROADS AND STREETS

PASSED April 7, 2015

DISTRICT STYLENGINEER OF CONSTRUCTION

RELEASING FOR April 7, 2015

THESE PLANS WERE PREPARED BY MYSSELE OF DEPENDING MORNING LINDSER

THESE PLANS WERE PREPARED BY MYSELF OR PERSONS WORKING UNDER MY PERSONAL SUPERVISION,

TIMOTH L. ICENOGLE, P.E.

CASS. COUNTY ENGINEER

062-048812

REGISTERED
PROFESSIONAL
ENGINEER

OF

LINO'S

EXPII-30-2015

6005111111050	NUA 1000	T	QUANTITY		
CODE NUMBER	PAY ITEM	UNIT	TOTAL	STR	HRRRI
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	77,811	66,899	10,91
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	7,922	6,817	1,109
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	187	187	
40600990	TEMPORARY RAMP	SQ YD	80	- 80	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	9,894	8,515	1,379
48203017	HOT-MIX ASPHALT SHOULDERS, 5"	SQ YD	5,263		5,263
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	11,840		11,84
67100100	MOBILIZATION	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,300	3,700	600
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	99,292	85,792	13,50
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	99,292	85,792	13,50
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	75		75
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	605	320	285
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
LR400005	CIR-FDR EMULSIFIED ASPHALT	GALLON	158,428	136,327	22,10
LR400740	COLD IN-PLACE RECYCLING, 4.0"	SQ YD	113,163	97,376	15,78
20076600	TRAINEES	HOURS	1,000		
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURS	1.000		

A specialty Items

0042

PERMANENT MARKING SCHEDULE

•	• • • • • • • • • • • • • • • • • • • •		•	THER	MOPLASTIC PA	VEMENT MARK	ING	
				LINE 5"				
STATION '	TO STATION	SIDE	SIDE DESCRIPTION	YELL	.OW	WHITE		
				REGULAR FUNDING	HRRR FUNDING	REGULAR FUNDING	HRRR FUNDING	
COUNTY HIGH	NAY8			********************************	······································			
1+78.84	7+78.84	CL	NB NO PASSING	600				
1+78.84	9+48.84	CL	SB NO PASSING	770				
1+78.84	125+00	LT/RT	EDGE LINES			24,642		
7+78.84	125+00	CL	SKIP DASH	2,930				
125+00	185+00	CL	SKIP DASH		1,500			
125+00	185+00	LT/RT	EDGE LINES				12,000	
185+00	334+80	CL	SKIP DASH	3,750				
185+00	427+84.92	LT/RT	EDGE LINES			48,570	-	
334+80	347+30	CL	NB NO PASSING	1,250				
334+80	347+30	CL	SB SKIP DASH	310				
347+30	356+80	CL	SB NO PASSING	950				
347+30	356+80	CL	NB SKIP DASH	240				
356+80	427+84.92	CL	SKIP DASH	1,780				
UBTOTAL				12,580	1,500	73,212	12.000	
OTAL				14.0		85,2		

		ò							
AVE	ħ	A	CAL	50	٩L	(Cr	'n	81 E	

			PAVEMENT SCHEDULE			
STATION T	O STATION	BITUMINOUS MATERIALS (PRIME COAT)	LEVELING BINDER (MACHINE METHOD), NSO	HOT-MIX ASPHALT SURFACE COURSE, MIX °C", N50	CIR-FDR EMULSIFIED ASPHALT	COLD IN-PLACE RECYCLING, 4.0"
		POUND	TOI	N	GALLON	SQ YD
1+78.84	125+00.00	22,178.1	2,299.9	2,759.9	45,998.8	32,856.4
125+00.00	125+90.00	162.0	16.8	20.2	336.0	240.0
125+90.00	126+70.00	144.0		17.9		
126+70,00	185+00.00	10,494.0	1,088.3	1,305.9	21,765.2	15,546.7
185+00.00	353+30.00	30,294.0	3,141.6	3,769.9	62,832.0	44,880.0
353+30,00	354+20,00	162.0		20.2		
354+20.00	427+84.92	13,256.9	1,374.8	1,649.7	27,495.7	19,639.8
	SIDEROADS & TURNOUTS	1,120.0	·	350.0		
TOT	TALS	77,811.0	7,921.4	9,893.8	158,427.7	113,162.9
U	SE	77,811	7,922	9,894	158,428	113,163

GENERAL NOTES

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY IDOT, ADOPTED JANUARY 1, 2012. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PREVISIONS," CURRENT EDITION, AND THE "STANDARD PROVISIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," CURRENT EDITION. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," CURRENT EDITION.

IN THE CASE OF CONFLICT BETWEEN THE ABOVE MENTIONED SPECIFICATIONS, THE ENGINEER SHALL DETERMINE WHICH OF THE SPECIFICATIONS SHALL GOVERN. THE ENGINEER'S DECISION SHALL BE FINAL AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED UNLESS APPROVED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE LATEST EDITION ISSUED BY ILLINOIS DEPARTMENT OF TRANSPORTATION OR THE COPY OF THE STANDARD INCLUDED IN THESE CONSTRUCTION DOCUMENTS AS DETERMINED BY THE ENGINEER.

THE ENGINEER SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, OR REJECT THE WORKMANSHIP AND/OR MATERIALS WHICH GO TO MAKE UP IMPROVEMENTS AS DETAILED IN THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO PERFORMING ANY OF THE REQUIRED TESTS OR MATERIAL PLACEMENT SO THAT A REPRESENTATIVE MAY BE PRESENT DURING ANY TESTING PROCEDURE OR MATERIAL PLACEMENT.

THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS. IMPROVEMENT REPRESENTATIONS AS SHOWN ON THESE PLANS ARE AS ACCURATE AS POSSIBLE FROM THE INFORMATION AVAILABLE. HOWEVER, SOME FIELD REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESEEN CIRCUMSTANCES. THE ENGINEER SHALL BE ADVISED OF ANY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME ALLOWED TO PROPERLY CONSIDER AND ACT UPON SUCH REQUESTS.

THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ANY AREAS DAMAGED OR DESTROYED DURING THE PROJECT AS A DIRECT OR INDIRECT RESULT OF CONTRACTING OPERATIONS SHALL BE RESTORED TO THAT CONDITION OR BETTER WHICH EXISTED PRIOR TO STARTING CONSTRUCTION. THE COST OF SAID RESTORATION OR REPAIR SHALL BE BORNE TOTALLY BY THE CONTRACTOR, WITH NO EXTRA COMPENSATION BEING AWARDED UNDER THIS CONTRACT. PRIOR TO ACCEPTANCE OF THIS REPAIR OR REPLACEMENT THE CONTRACTOR SHALL PRESENT THE OWNER WITH A SIGNOFF LETTER," SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED PROPERTY STATING THAT THE REPAIR OR REPLACEMENT IS ACCEPTABLE.

THE CONTRACTOR SHALL FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK, NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.

					
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	579	05	-00069-0	0-RS	CASS
Ī	- :	STA.	TO	STA.	
			ILLINOIS	PROJEC	T: RS-0579 (120

THE EXISTING SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGH THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.

SUBGRADES, SUBBASES, AND BASE COURSES
THE CONTRACTOR WILL BE REQUIRED TO SUBSTANTIATE BASE
COURSE THICKNESSES AND FINISH PAVEMENT THICKNESSES. THE
ENGINEER SHALL INSPECT BASE COURSE COREOUT PRIOR TO
PLACING BASE COURSE TO ENSURE REQUIRED BASE COURSE
DEPTH IS PRESENT.

PRIOR TO PLACING BASE COURSE MATERIAL, THE CONTRACTOR SHALL TEST ROLL THE SUBGRADE IN THE PRESENCE OF THE ENGINEER TO DEMONSTRATE THAT SAID SUBGRADE IS READY FOR BASE. PRIOR TO PLACEMENT OF HOT MIX ASPHALT SURFACE, THE SAME VERIFICATION PROCEDURE SHALL BE PERFORMED ON THE BASE COURSE MATERIAL.

THE ENGINEER SHALL WITNESS THE PLACEMENT OF HOT MIX ASPHALT BINDER AND SURFACE COURSE, CORE DRILLING MAY BE REQUIRED TO DEMONSTRATE THAT BASE COURSE AND PAVEMENT THICKNESSES CONFORM TO THE SPECIFICATIONS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	HMA	LEVELING	HMA
MINITURE USE(S)	SUR CSE	BINDER	SHOULDER
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ NS0	4.0% @ N50
MIX COMPOSITION:	.119.5	119.5	U 100 mm U 100 CC
(GRADATION MIXTURE)	112.3	163.5	IL19.0 or IL19.0 CB
FRICTION AGGREGATE	MIX "C"	N/A	N/A

ILLINOIS DEPARTMENT OF TRANSPORTATION

COUNTY HIGHWAY 8

GENERAL NOTES

SUMMARY OF QUANTITIES

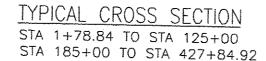
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DATE: 03/9/2015

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SHEET 3 OF 22

DATE: 03/9/2015

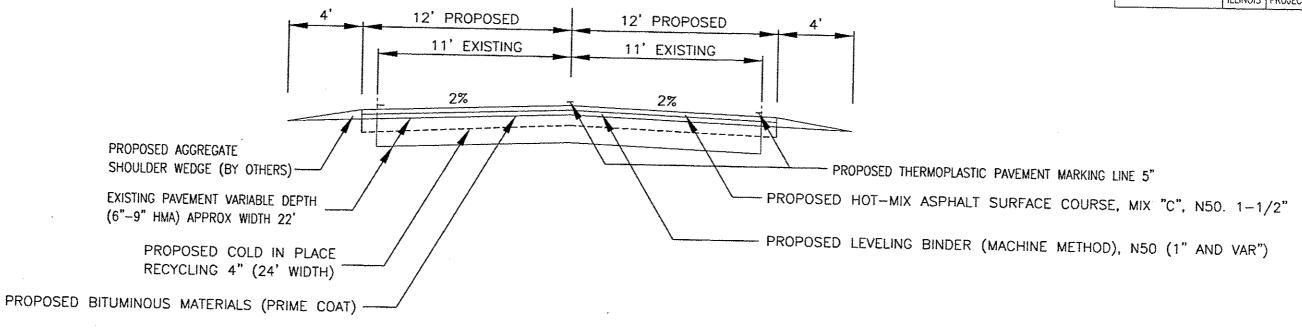


FAS RTE. NO. SECTION COUNTY

579 05-00069-00-RS CASS

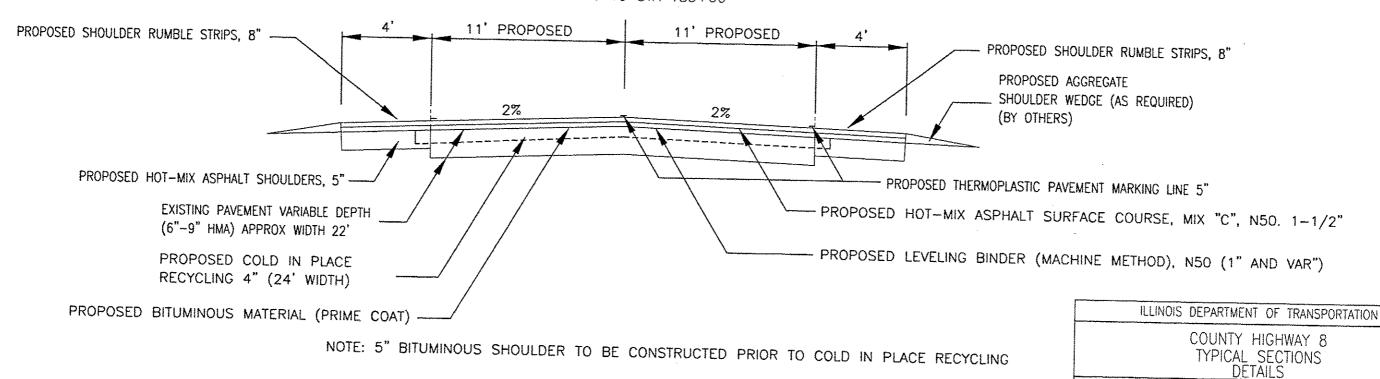
STA. TO STA.

| ILLINOIS | PROJECT: RS-0579 (120)



TYPICAL CROSS SECTION

STA 125+00 TO STA 125+90 STA 126+70 TO STA 185+00



STATION	ENTRANCE STATIONING		
	ENTRANCE TYPE	SIDE	(SY
9+18.3	C.E.	RT	59
11+18.4	P.E.	RT	21
14+49.1	SIDE ROAD - W NORTH STREET	RT	97
15+34.4	P.E.	RT	30
20+09.4	C.E.	RT	30
33+95.4	P.E.	RT	43
64+00.0	F.E.	RT	30
75+75.8	SIDE ROAD - ST. PETERS ROAD	LT & RT	125
118+88.8	P.E.	LT	30
145+10.5	F.E.	RT	30
151+67.3	F.E.	RT	30
174+50.0	P.E.	LT	30
182+35.5	C.E.	RT	43
182+58.8	SIDE ROAD - S HAGENER RD	LT	86
184+69.6	SIDE ROAD - E HAGENER RD	RT	43
205+00.0	P.E.	BT	30
229+87.5	C.É.	LT	30
237+95.2	SIDE ROAD - BUCK SCHOOL RD	LT & RT	86
249+00.0	P.E.	BT	30
255+50.0	P.E.	RT	30
257+79.8	P.E.	RT	30
269+43.0	P.E.	T RT	30
290+71.1	SIDE ROAD - BETHEL CHURCH RD	TRT	62
293+78.4	P.E.	— 	30
331+04.5	SIDE ROAD - STOCK LANE	──┤┋ ┤	80
336+76.0	P.E.	RT 1	30
344+25.9	SIDE ROAD - 6 MILE RD	RT	43
350+74.4	P.E.	BT I	30
360+50.0	P.E.	LT	
365+36.8	P.E.		30 30

STATION	ENTRANCE STATIONING (CONT.)		
	ENTRANCE TYPE	SIDE	(SY)
366+17.2	P.E.	LT	30
367+14.2	P.E.	LT	30
368+74.4	P.E.	LT	94
370+50.0	P.E.	RT	30
372+09.9	SIDE ROAD - AIRPORT RD (LT) / ARENZ LN (RT)	LT & RT	130
376+13.3	P.E.	LT	30
376+38.5	P.E.	RT	30
377+50.0	P.E.	RT	30
378+09.5	P.E.	LT	30
379+22.1	P.E.	LT	30
381+45.2	P.E.	LT	42
384+00.0	P.E.	RT	30
385+06.7	P.E.	LT	30
386+00.0	P.E.	TT-	30
386+05.3	P.E.	RT	30
386+86.0	P.E.	1.7	30
386+92.8	P.E.	RT	30
392+58.0	P.E.	iT -	30
397+09.3	P.E.	BT	30
398+00.0	P.E.	LT	
399+75.3	P.E.	LT	30
399+82.9	P.E.		30
404+12.2	P.E.	RT	38
405+99.2	P.E.	RT	30
407+21.9	P.E.	RT	42
408+38.7	P.E.	LT	30
411+20.0	P.E.	LT & RT	60
413+07.8	SIDE ROAD - FAIR LN	LT	30
415+32.4	P.E.	RT	65
423+32.5	P.E.	LT	30
	TOTAL AREA =	RT	30
····	IVIAL AMEA =		2489

		SHOULDER SCHEDULE	And the second s
STATION TO STATION		HOT-MIX ASPHALT SHOULDERS, 5"	SHOULDER RUMBLE STRIPS, 8 INCH
		SQ YD	FOOT
125+00.00	125+90.00	80.0	180.0
126+70.00	185+00.00	5,182.2	11,660.0
TOTALS USE		5,262,2	11,840.0
		5,263.0	11,840.0

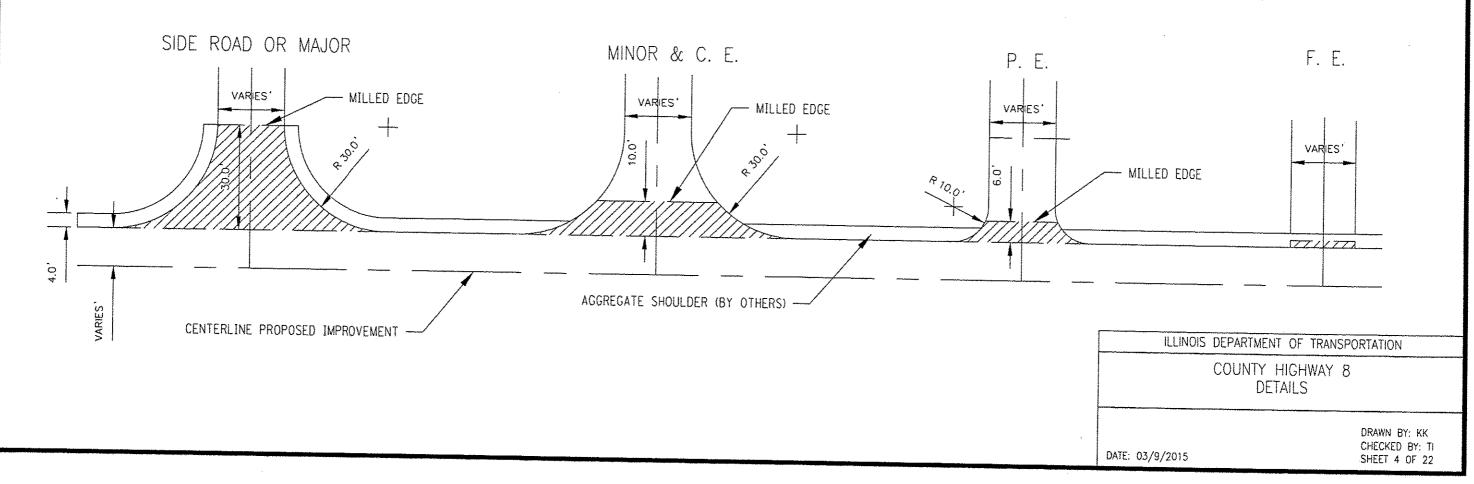
	~	MILLING SCHEDULE	4. Compared the control of any open production of the control o	
STATION TO STATION		HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	
		SQ YD		
1+78.84	2+13.84	93.3	······································	
125+90.00	126+70.00		284.4	
353+30.00	354+20.00		320.0	
427+49.92	427+84.92	93.3		
TOTALS USE		185.6	604.4	
		187.0	605.0	

FAS RTE. NO.	SECTION	COUNTY
579	05-00069-00-RS	CASS
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	ILLINOIS PROJE	CT: RS-0579 (120)

RAISED REF	LECTIVE PAVEMEI	NT MARKERS SCHEDULE
		RAISED REFLECTIVE
T MOITATS	O STATION	PAVEMENT MARKERS
D.1111.OM 1	OSIAHON	TWO-WAY AMBER
		EACH
125+00.00	185+00.00	75
TO	TAL	75

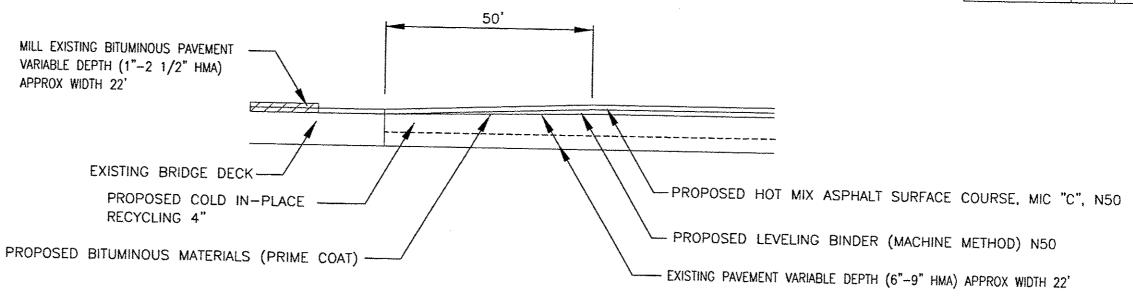
INTERSECTION DETAILS

ENTRANCE DETAILS



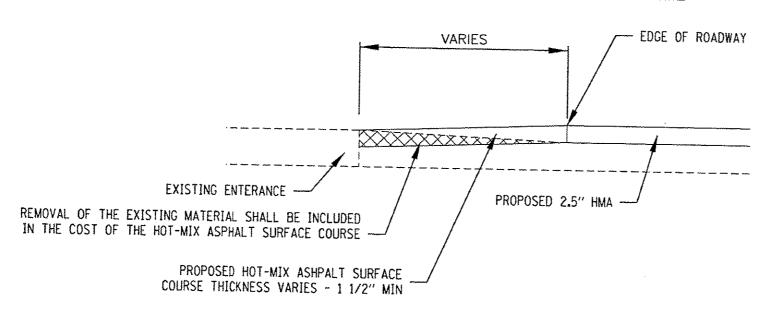
BRIDGE TRANSITION DETAIL

579		
2,2	5-00069-00-RS	CASS
STA	TO STA.	



NOTE: BRIDGE DECK TO HAVE BITUMINOUS MATERIAL (PRIME COAT) APPLIED PRIOR TO SURFACE COURSE.

ENTRANCE BUTT JOINT DETAIL

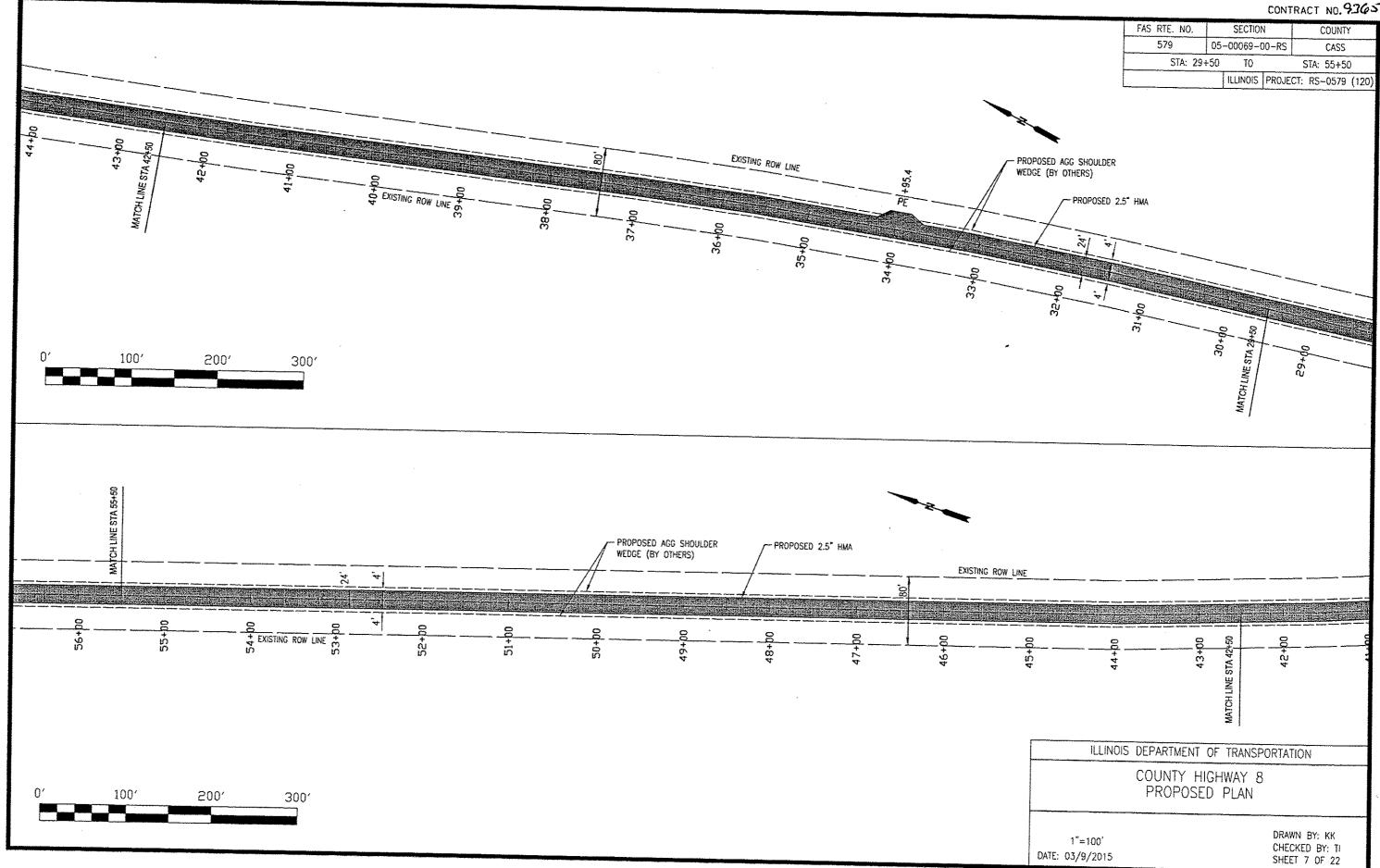


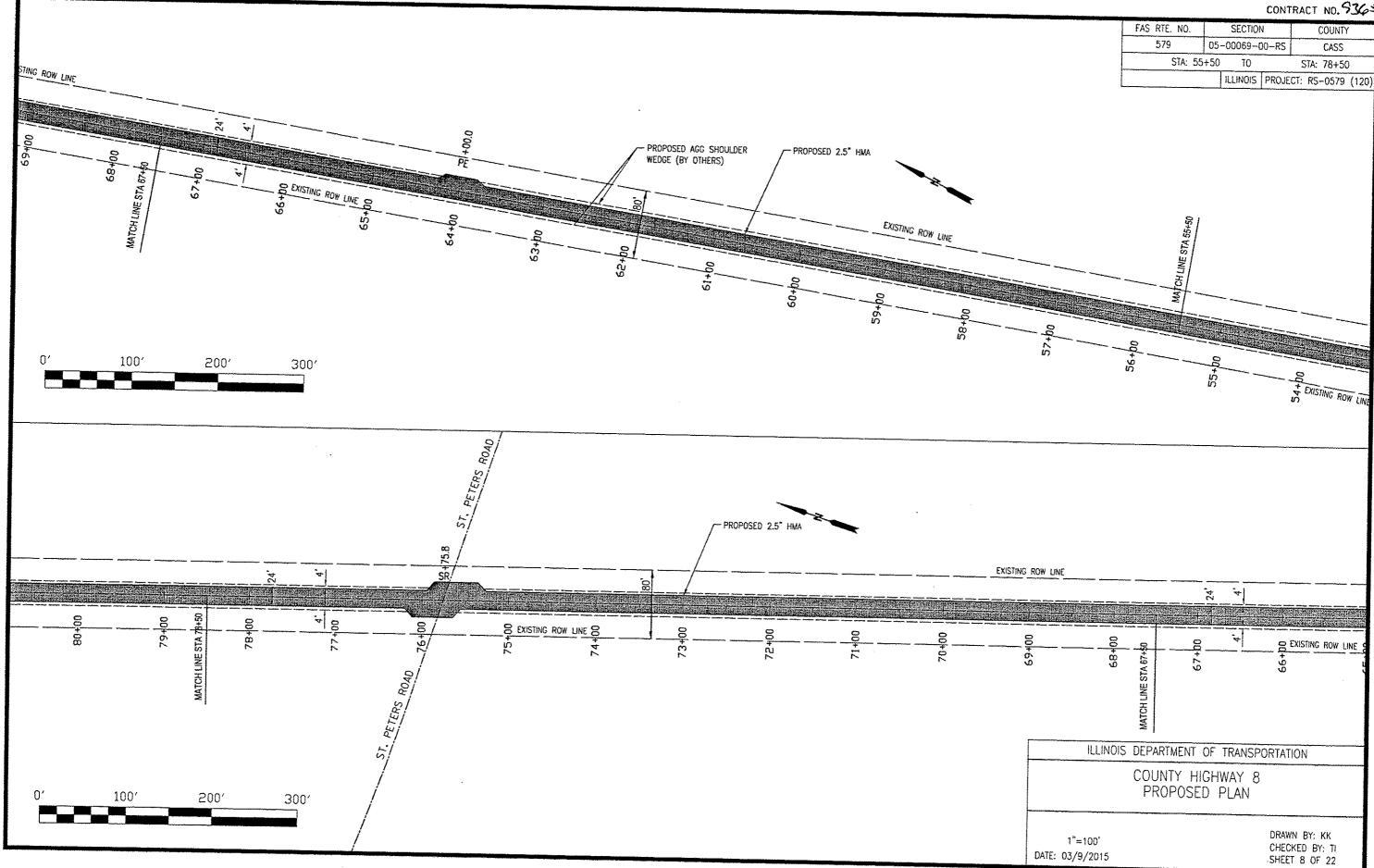
IL.	LINOIS DEPARTMI	ENT OF TRAI	NSPORTATION
		HIGHWAY ETAILS	8

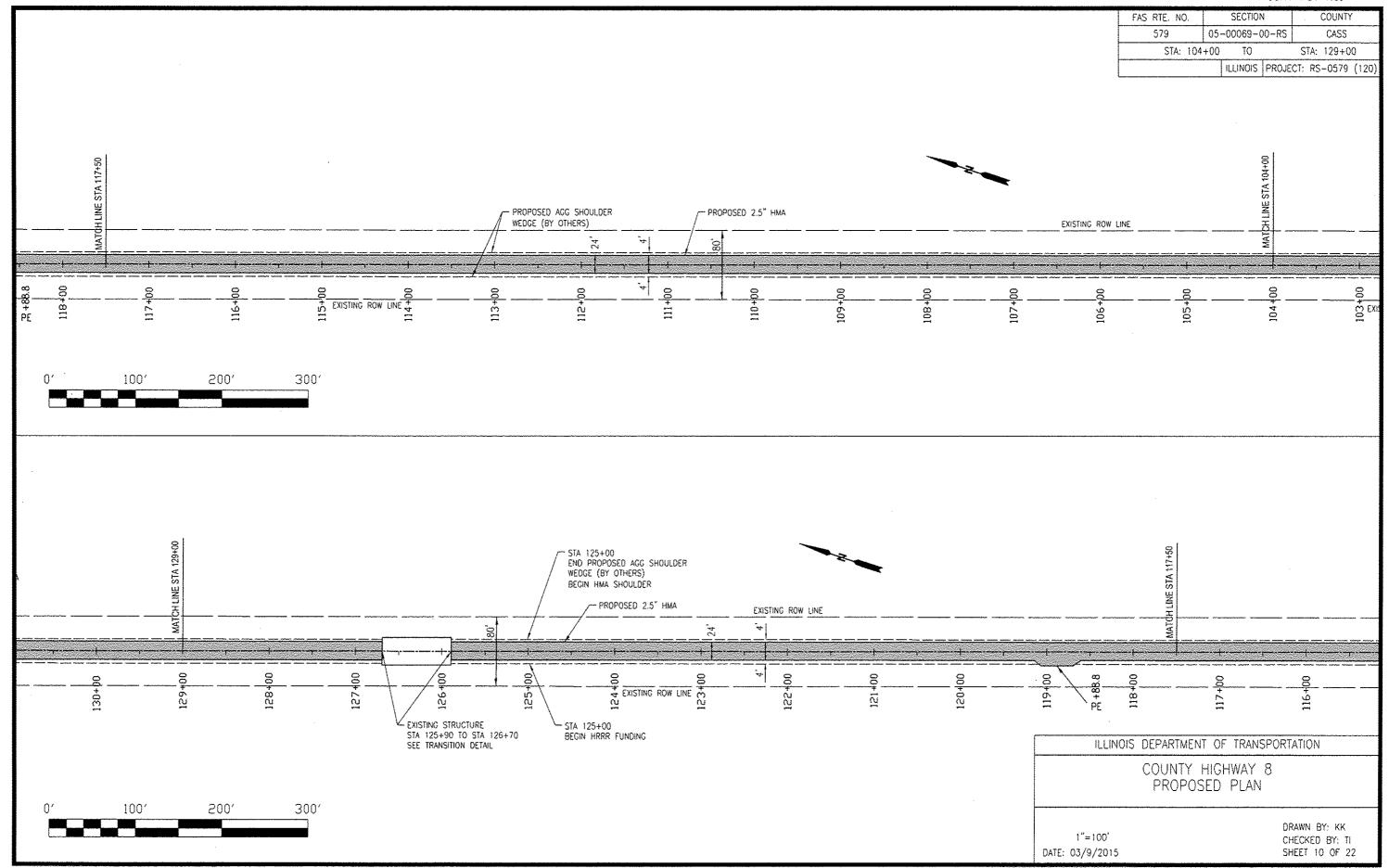
DRAWN BY: KK
CHECKED BY: TI
DATE: 03/9/2015

CHECKED BY: TI
SHEET 5 OF 22

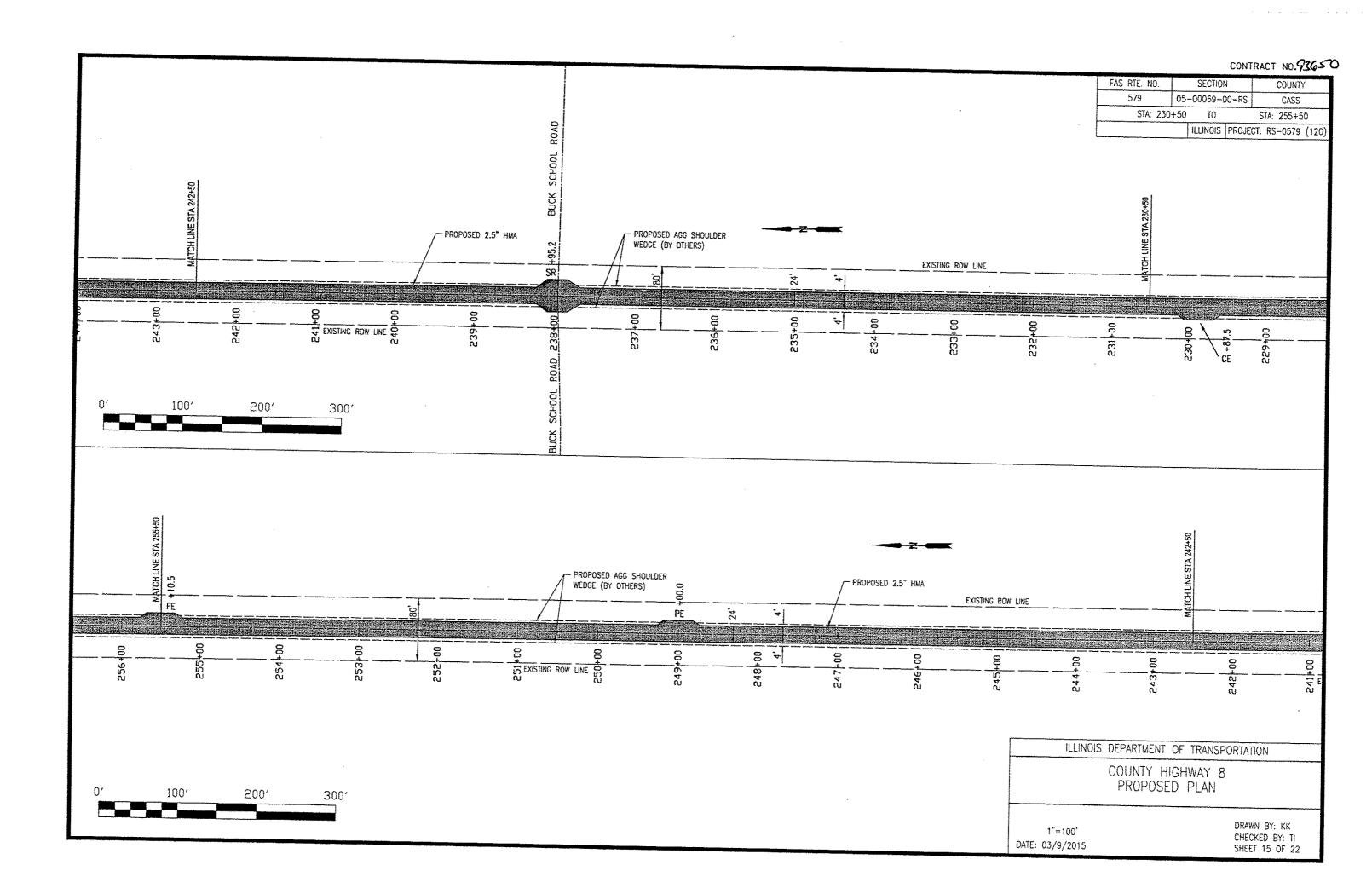
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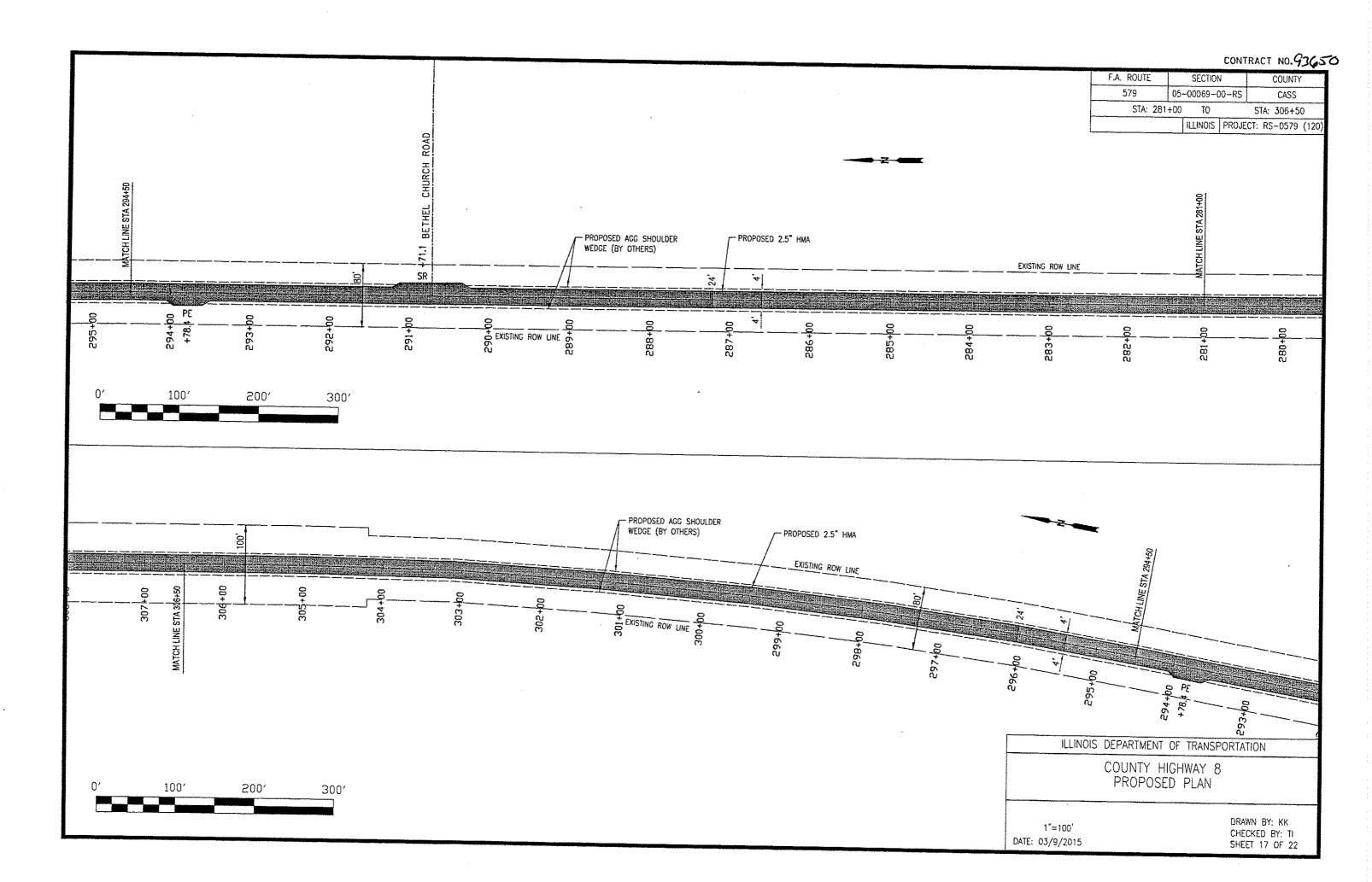


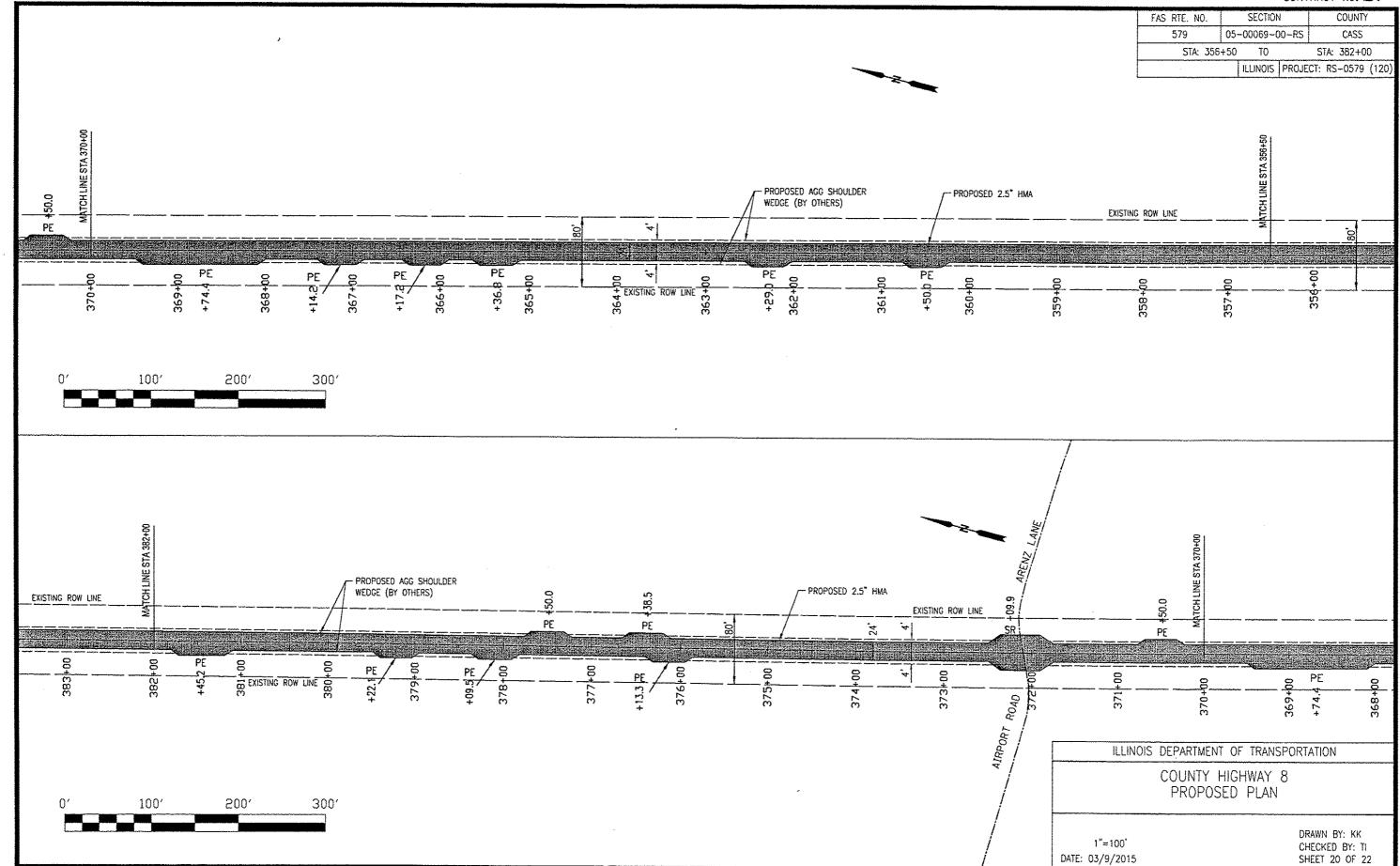




SHEET 13 OF 22







CONTRACT NO. 93650 FAS RTE, NO. SECTION COUNTY 05-00069-00-RS CASS STA: 382+00 TO STA: 407+00 ILLINOIS PROJECT: RS-0579 (120) - PROPOSED AGG SHOULDER WEDGE (BY OTHERS) - PROPOSED 2.5" HMA W LINE EXISTING ROW LINE PΕ 8 8 EXISTING ROW LINE 8 8 EXISTING 100' 200' 300' - PROPOSED 2,5" HMA PROPOSED AGG SHOULDER WEDGE (BY OTHERS) - PROPOSED 2.5° HMA PE EXISTING ROW LINE PΕ PE PE PE 8 +7513 74 9 EXISTING BOM FINE 4 4004 ILLINOIS DEPARTMENT OF TRANSPORTATION COUNTY HIGHWAY 8 PROPOSED PLAN 100' 200' 300' DRAWN BY: KK 1"=100" CHECKED BY: TI DATE: 03/9/2015 SHEET 21 OF 22

