STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED PLANS FOR

SURFACE TRANSPORTATION / RURAL PROGRAM
CH-7 (FAS 577)
SECTION 96-00060-00-RS
PROJECT RS-577(408)
CASS COUNTY
JOB NUMBER C-96-225-04

INDEX OF SHEETS

COVER SHEET

2 GENERAL NOTES / SUMMARY OF QUANTITIES

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

TYPICAL SECTIONS

4 DETAILS

J.U.L.I.E.

5-13 PLAN SHEETS

LIST OF STANDARDS

701301-04 LANE CLOSURE, 2L, 2W,

SHORT TIME OPERATIONS

701306-03 LANE CLOSURE, 2L, 2W,

SLOW MOVING OPERATIONS

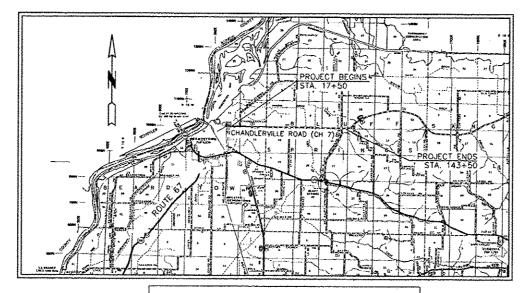
DAY ONLY, FOR SPEEDS ≥ 45MPH

701311-03 LANE CLOSURES, 2L, 2W,

MOVING OPERATIONS - DAY ONLY
701901-04 TRAVEL CONTROL DEVICES

780001-05 TYPICAL PAVEMENT MARKINGS

BLR 24-2 MAILBOX TURNOUTS FOR LOCAL ROADS



DESCRIPTION OF WORK

THIS PROJECT CONSISTS OF RESURFACING TO UPGRADE CH7
TO AN 80,000 LB TRUCK ROUTE.

OVERLAY THICKNESS 4" OF HMA.

ALSO INCLUDED WILL BE SIDE ROAD/ ENTRANCE

IMPROVEMENTS, PAVEMENT MARKING, AND RAISED

REFLECTIVE CENTERLINE MARKERS.

SECTION ORIGINALLY CONSTRUCTED AS SECTION 9X-MFT STA 17+50-90+82(BACK) AND AS SECTION 24Q STATION 0+00(AHEAD) TO 143+50

LOCATION MAP

NET LENGTH OF IMPROVEMENT = 21682 L.F. = ±4,106 MILES



DESIGN SPEED: 55 M.P.H.

20' 10' 0 20' SCALE: 1" = 20' (HORIZONTAL) 10' 0 10'

PLAN & PROFILES



CROSS SECTIONS



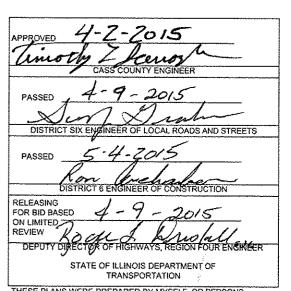
CROSS SECTIONS



PROFILES

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. 93651



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

062-048812
REGISTERED
PROFESSIONAL
ENGINEER
OF

TIMOTHY L. ICENOGLE, P.E.

EXP 11/30/2015

	SUMMARY OF QUANTITIES		
CODE NUMBER	PAYITEM	UNIT	QUANTIT
CODE NOMBER	PATTIE[VI	CIVII	TOTAL
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	36,899
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	147
40600990	TEMPORARY RAMP	SQ YD	74
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	7,578
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4,805
67100100	MOBILIZATION	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,170
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	51,384
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	51,384
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQYD	245
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1
20076600	TRAINES	HR	.500
20076604	TRINEES TAG	HA	500

A Specialty items

STATION	ENTRANCE STATIONING ENTRANCE TYPE	SIDE
18+87.6	F.E.	RT
19+72.7	P.E.	LT
26+32.8	SIDE ROAD - DUCK SLOUGH RD.	TIT T
26+49.9	F.E.	RT
39+70.8	F.E.	RT
45+72.4	F.E.	RT
48+55.4	P.E.	RT
49+60.7	P.E.	LT
53+76.4	P.E.	LT
54+66.1	P.E.	LT
56+05.2	P.E.	LT
61+00	SIDE ROAD - SANSOME ST.	RT
64+30.3	SIDE ROAS - LINDALE ST.	RT
64+29.9	S.R.	RT
56+27.6	P.E,	RT
67+48.1	P.E.	LT
78+85.7	P.E.	RT
80+22.3	P.E.	RT
80+66.5	P.E.	RT
81+73.4	P.E.	LT
82+16.0	P.E.	RT
83+44.1	P.E.	LT
86+77.5	F.E.	RT
	STA 90+81 BACK = STA 0+00 AHEAD	
7+99.8	P.E.	LT
15+87.2	P.E.	LT
20+04,1	P.E.	LT
24+37.0	P.E.	RT
34+72.4	SIDE ROAD - STAR LN.	RT
34+86.1	F.E.	LT
47+81.0	F.E.	RT
48+50.5	F,E.	LT
64+91.0	F.E.	RT
73+90.8	F.E.	RT
74+15.0	F.E.	LT
75+83.5	P.E.	RT
87+38.7	P.E.	RT
94+05.4	P.E.	RT
94+09.0	F.E.	LT
100+35.1	F,E,	RT
112+22.6	F.E.	LT
123+68.0	F.E.	RT
125+66.6	P.E.	RT
125+67.2	F.E,	LT
140+57.8	SIDE ROAD - N BLUFF SPRINGS RD.	RT & LT

STATION TO STATION SIDE DESCRIPTION			THERMOPLASTIC PAVEMENT MARKING - LINE 5"		
				YELLOW	WHITE
COUNTY HIGHW	VAY 7 - CHANDL	ERVILLE RI)		
17+50.0	90+82	LT/RT	EDGE LINES		14,664
17+50.0	90+82	CL	SKIP DASH	1,840	
41+92.0	19+67.0	CL	EB NO PASSING	775	
52+87.0	60+37.0	CL	WB NO PASSING	750	
0+00,0	143+50.0	LT/RT	EDGE LINES		28.70
0+00.0	143+50.0	CL	SKIP DASH	3,590	·
60+00.0	85+10.0	CL	EB NO PASSING	510	
70+45.0	76+00.0	CL	WB NO PASSING	555	
SUBTOTAL				8,020	43,364
TOTAL			51,384	l .	

[&]quot; NO PASSING ZONES SHALL BE VERIFIED BY THE ENGINEER PRIOR TO PLACEMENT OF FINAL MARKINGS"

		PAVEMENT SCH	HEDULE	
STATION TO STATION		BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
		POUND	TON	
17+50.00	90+82,00	12,388,0	2,564.0	1,514.4
		STA 90+82,00 BK = ST	A 0+00.00 AH	
0+00.00 143+50.00		24,071.9	5,013.6	2,963.9
ENTRANCES, SIDEROADS & MAILBOX TURNOUTS		438.8		326.1
TOTALS		TOTALS 36,898.7		4,804.4
USE		USE 36,899		4,805

		MILLING SCHEDULE	
STATION T	O STATION	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOIN'T	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH
		SQ	<i>(</i> D
18+00.00	18+30,00	73.3	
	STA	90+82-00 BK = STA 0+00.00 AH	
68+60.00	69410.00		122.2
87+70,00	88+20.00		122.2
143+20,00	143+50.00	73.3	
707	ALS	146.6	244,4
U	5 £	147.0	245 ft

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.

F.A.S. RTE. NO.	SECTION	COUNTY
577	96-00060-00-RS	CASS
STA.	TO STA.	
FED. RD. DIST, NO.	ILLINOIS PROJECT	C-96-225-04

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 SURFACE CSE	HMA BINDER CSE
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4,0% @ N50	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL - 9.5	IL - 19,0
FRICTION AGGREGATE	MIX "C"	N/A

93651

ILLINOIS DEPARTMENT OF TRANSPORTATION

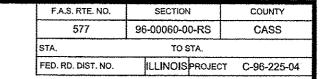
COUNTY HIGHWAY 7
GENERAL NOTES
SUMMARY OF QUANTITIES

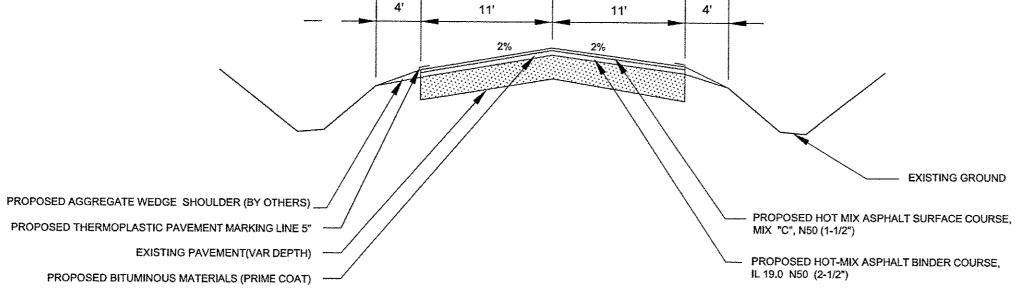
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DATE: 03/12/15

TYPICAL CROSS SECTION

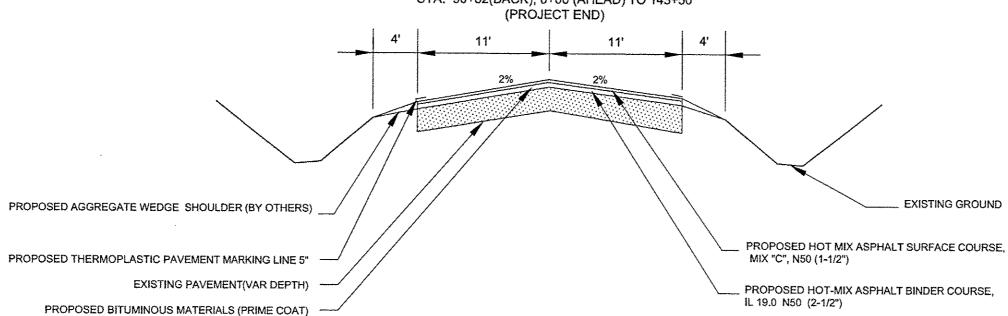
STA. 17+50 TO 90+82





TYPICAL CROSS SECTION

STA. 90+82(BACK), 0+00 (AHEAD) TO 143+50 (PROJECT END)



93651

	LLINOIS	DEPARTMENT	OF TRANSPORTATION
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COUNTY HIGHWAY 7 TYPICAL SECTIONS

DATE: 03/12/15

DRAWN BY; KK CHECKED BY: TI SHEET 3 OF 13

