

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	8	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 66851	
* D3 APPROACH PAVEMENT RESURFACING 2009-1				
** IROQUOIS & FORD				

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2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
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STANDARDS

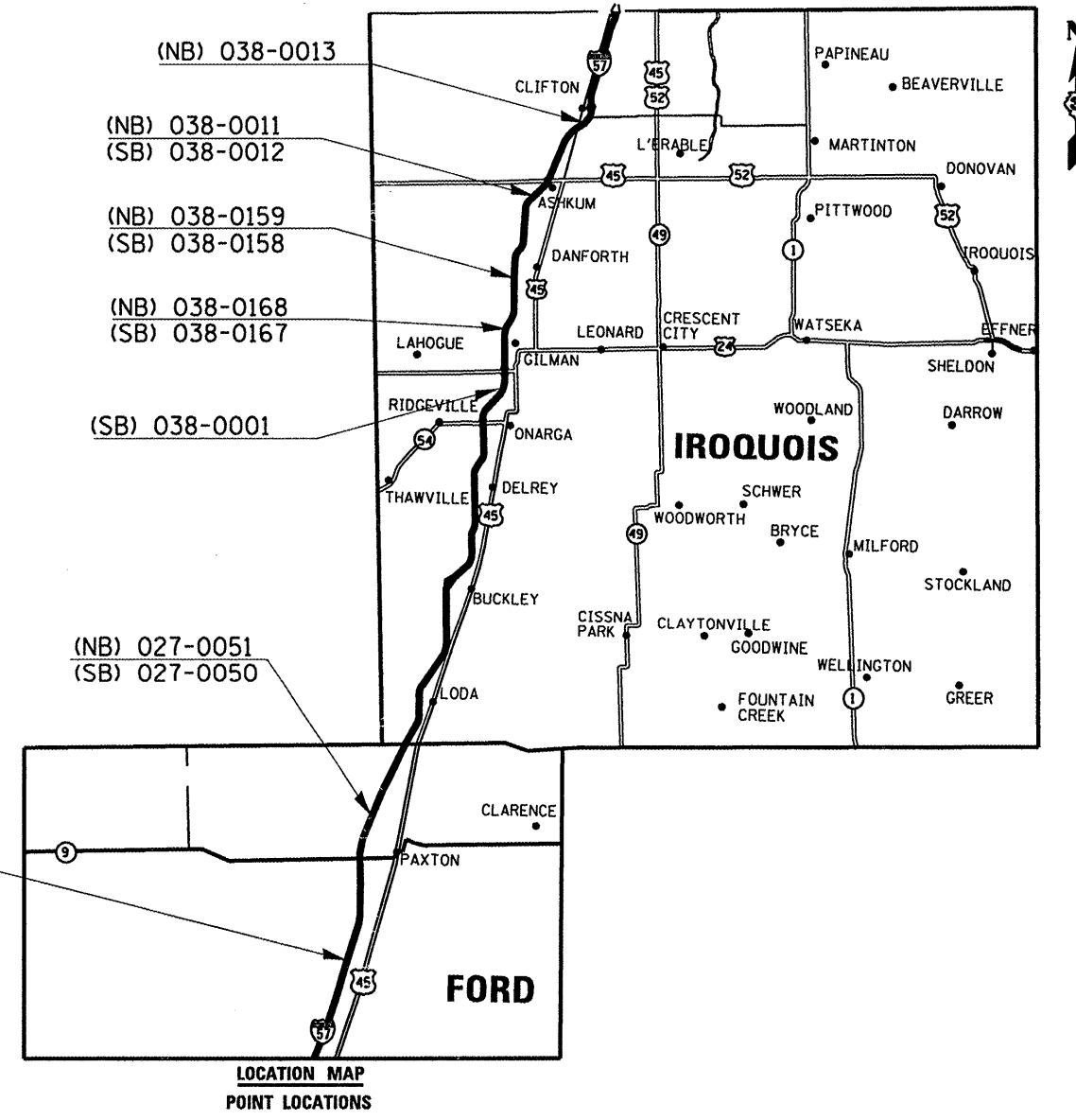
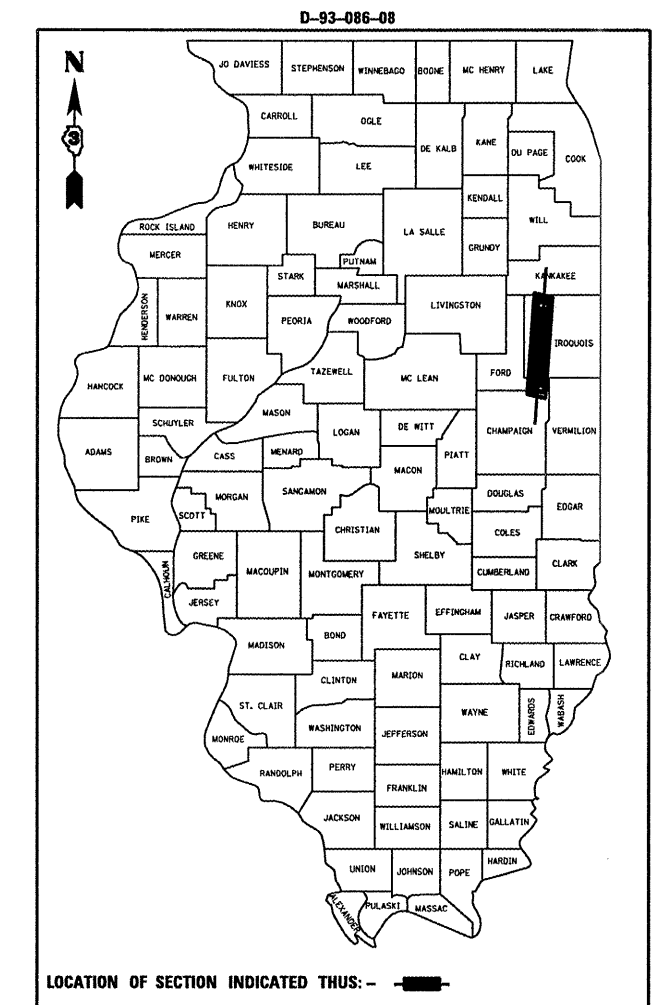
- 000001-05 STANDARDS, ABBREVIATIONS AND PATTERNS
- 701101-01 OFF-ROAD OPERATIONS MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701106-01 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
- 701400-02 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-04 LANE CLOSURE, FREEWAY/EXPRESSWAY DAY OPERATIONS ONLY
- 701901 TRAFFIC CONTROL DEVICES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 57 (I-57)
SECTION D3 APPROACH PVMT RESURF 2009**

**HOT-MIX ASPHALT RESURFACING
IROQUOIS & FORD COUNTIES
C-93-128-08**



FUNCTIONAL CLASSIFICATION
RURAL - INTERSTATE
F.A.I. ROUTE 57 (I-57)
2007 ADT = 15800
P.V. = 64.1% M.U. = 30.4% S.U. = 5.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 6/13 20 08
Henry Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27, 20 08
Eric E. Horn
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

June 27, 20 08
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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

**PROJECT ENGINEER JOE KANNEL
UNIT CHIEF RON WOODSHANK**

CONTRACT NO. 66851

ct:\projects\cmo\in\09\cm314\details.dgn

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELDS 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 THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID PRICE FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

THE COST OF ANY SAW CUTS MADE TO COMPLETE THE WORK AS DESCRIBED IN PLAN DETAILS, UNLESS OTHERWISE NOTED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE VARIOUS PAY REMOVAL PAY ITEMS INVOLVED.

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 SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MAT PRIME COAT	0.08 0.375	GAL / SQ YD OR GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD

DATE: 6/12/08

PREPARED BY: *Riv Powell*
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

Ray J. Phillips
DISTRICT MATERIALS ENGINEER

James A. [Signature]
DISTRICT OPERATIONS ENGINEER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

• D3 APPROACH PAVEMENT RESURFACING 2009-1
** IROQUOIS & FORD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	8	2
CONTRACT NO. 66851				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE: I000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL FORD COUNTY	100% STATE IROQUOIS COUNTY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	474	136	338
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	24	8	16
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	760	218	542
44000198	HOT-MIX ASPHALT SURFACE REMOVAL - VARIABLE DEPTH	SQ YD	5818	1656	4162
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.5	0.5
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	656	186	470
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	38	12	26

• D3 APPROACH PAVEMENT RESURFACING 2009-1
 ** IROQUOIS & FORD

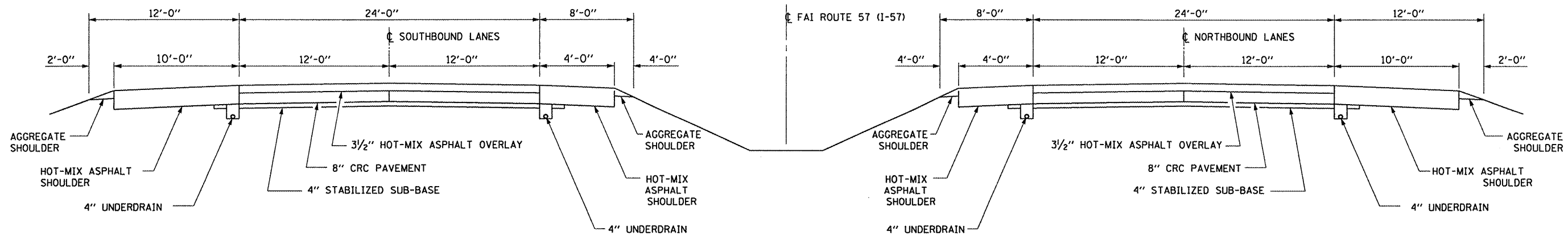
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		**	8	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66851	



TYPICAL SECTIONS

M.P. 257.14 TO M.P. 263.49

FORD COUNTY

* D3 APPROACH PAVEMENT RESURFACING 2009-1
 ** IROQUOIS & FORD

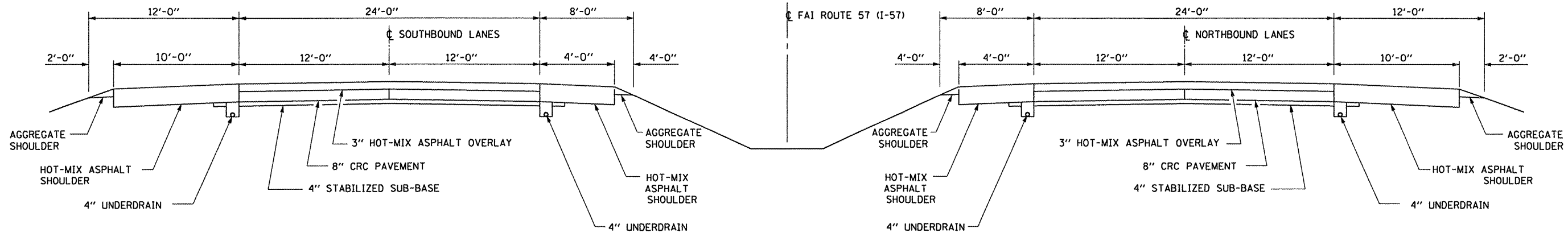
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

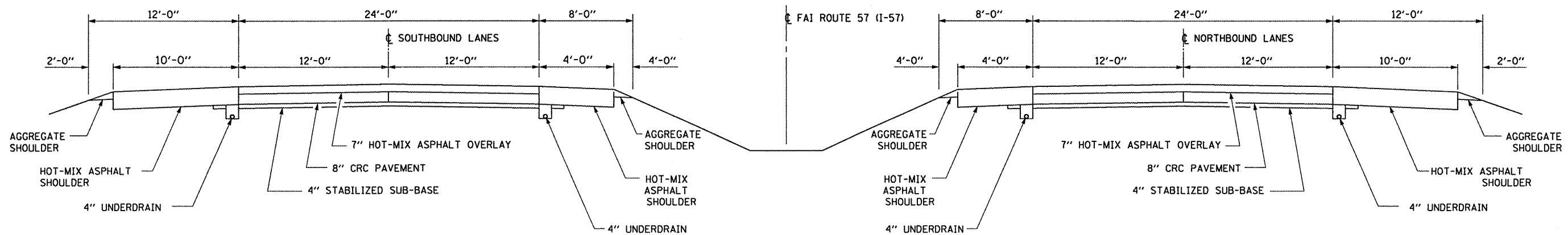
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	8	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66851	



TYPICAL SECTIONS

M.P. 263.49 TO M.P. 281.04



TYPICAL SECTIONS

M.P. 281.04 TO M.P. 285.54

IROQUOIS COUNTY

• D3 APPROACH PAVEMENT RESURFACING 2009-1
 ** IROQUOIS & FORD

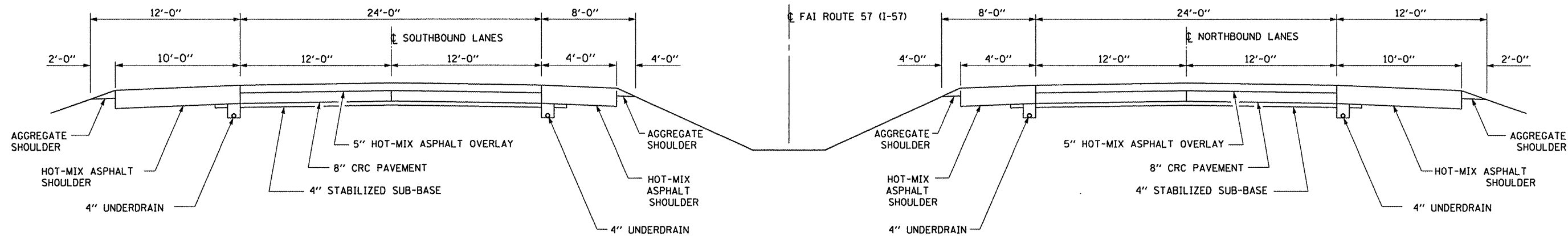
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

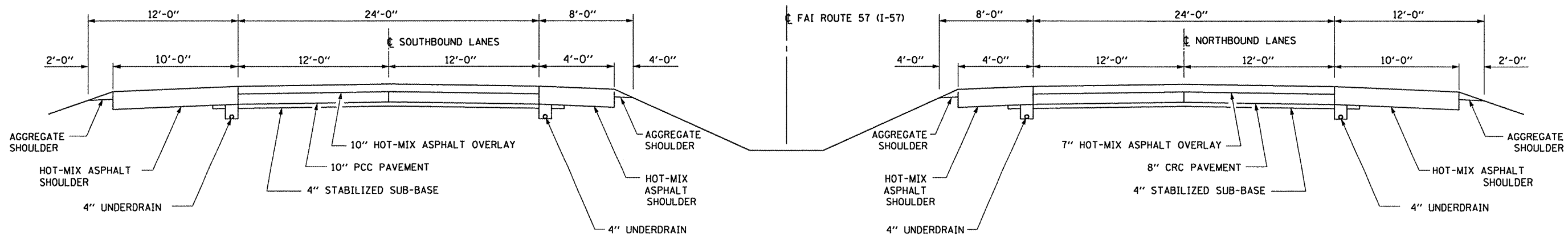
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	**	8	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66851	



TYPICAL SECTIONS

M.P. 285.54 TO M.P. 296.65



TYPICAL SECTIONS

M.P. 296.65 TO M.P. 301.96

IROQUOIS COUNTY

• D3 APPROACH PAVEMENT RESURFACING 2009-1
 ** IROQUOIS & FORD

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	8	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 66851	

MAINLINE SCHEDULE

STRUCTURE NO.				RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	HMA SURFACE REMOVAL VARIABLE DEPTH SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GAL	MIX FOR CRACKS, JOINTS & FLANGEWAYS TON	HMA SURFACE CSE MIX D, N90 TON	SHORT-TERM PAVEMENT MARKING TON
LOCATION									
M.P.	S.N.	NB/SB	N/S END						
FORD COUNTY									
258.67	027-0053	NB	N	2	347	28	1	45	39
			S	2	347	28	1	45	39
258.67	027-0052	SB	N	1	80	7	1	11	9
			S	1	80	7	1	11	9
								0	
261.80	028-0051	NB	N	2	267	22	1	35	30
			S	2	267	22	1	35	30
261.80	027-0050	SB	N	1	134	11	1	18	15
			S	1	134	11	1	18	15
SUBTOTAL				12	1656	136	8	218	186
IROQUOIS COUNTY									
282.04	038-0001	SB	N	1	80	7	1	11	9
			S	1	80	7	1	11	9
285.68	038-0168	NB	N	1	200	16	1	26	23
			S	1	200	16	1	26	23
285.68	038-0167	SB	N	2	347	28	1	45	39
			S	2	347	28	1	45	39
287.74	038-0159	NB	N	1	160	13	1	21	18
			S	1	160	13	1	21	18
287.74	038-0158	SB	N	2	320	26	1	41	36
			S	2	320	26	1	41	36
288.70	038-0011	NB	N	2	267	22	1	35	30
			S	2	267	22	1	35	30
288.70	038-0012	SB	N	2	360	29	1	47	41
			S	2	360	29	1	47	41
295.83	038-0013	NB	N	2	347	28	1	45	39
			S	2	347	28	1	45	39
SUBTOTAL				26	4162	338	16	542	470
TOTAL				38	5818	474	24	760	656

* D3 APPROACH PAVEMENT RESURFACING 2009-1
 ** IROQUOIS & FORD

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

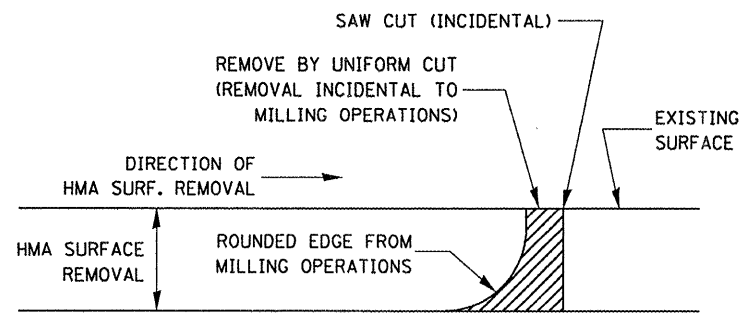
SCHEDULES

SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	8	7
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

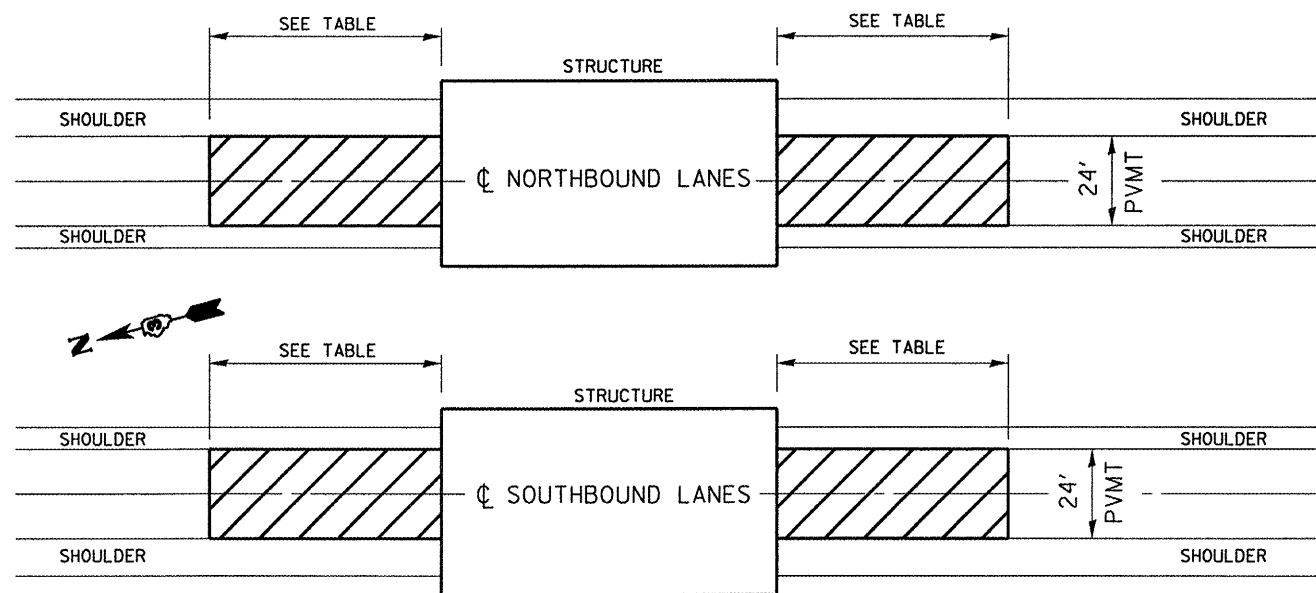
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SN	NB SB	APPROACH LENGTH		APPROACH WIDTH	
		NORTH END	SOUTH END	NORTH END	SOUTH END
038-0011	NB	100'	100'	24'	24'
038-0012	SB	135'	135'	24'	24'
038-0159	NB	60'	60'	24'	24'
038-0158	SB	120'	120'	24'	24'
038-0168	NB	75'	50'	24'	24'
038-0167	SB	130'	130'	24'	24'
027-0051	NB	100'	100'	24'	24'
027-0050	SB	50'	50'	24'	24'
027-0053	NB	130'	130'	24'	24'
027-0052	SB	30'	30'	24'	24'

	HMA SURFACE
PG GRADE	PG-64-22
MAX % RAP ALLOWABLE	10%
DESIGN AIR VOIDS	4.0% @ N90
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5
FRICTION AGGREGATE	MIXTURE D
DENSITY TEST METHOD	NUCLEAR/ CORES

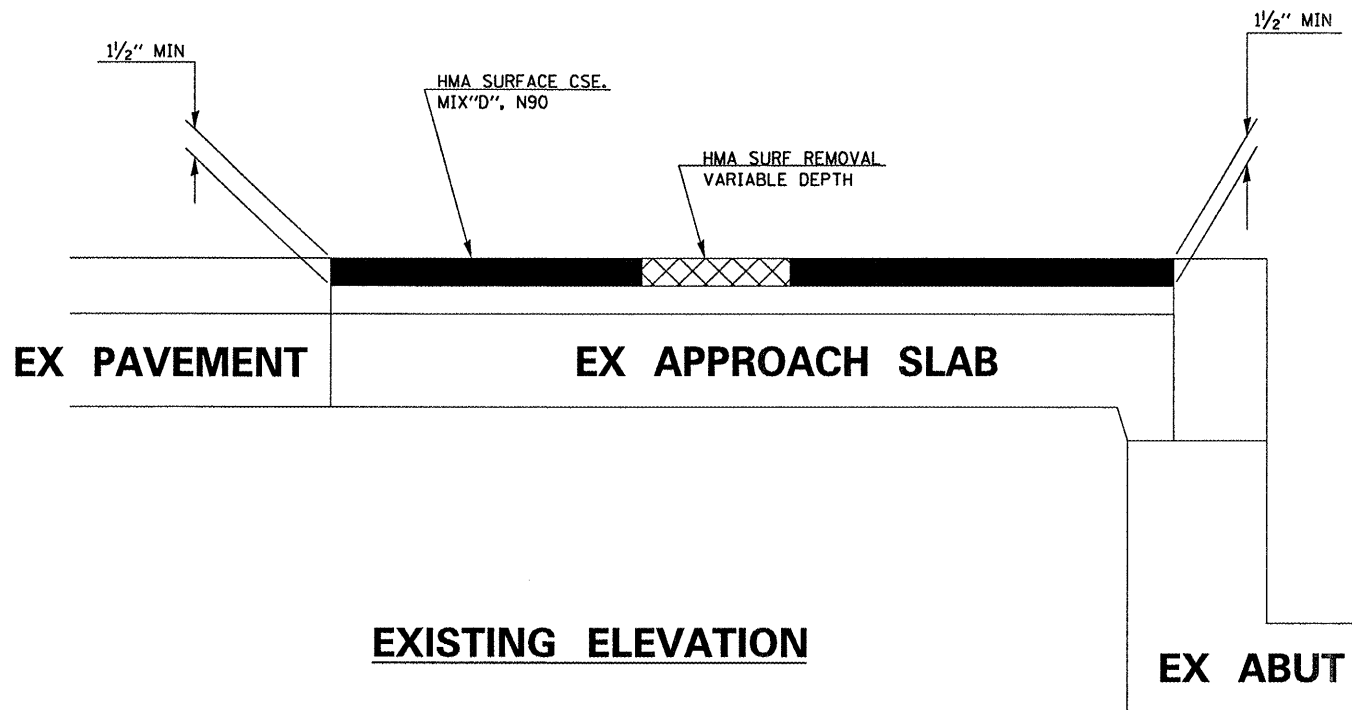


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



TYPICAL PLAN DETAIL



EXISTING ELEVATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH PAVEMENT DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

• D3 APPROACH PAVEMENT RESURFACING 2009-1				
** IROQUOIS & FORD				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	**	8	8
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