

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FOR SIGNATURE SHEET, SEE SHEET NO. 2  
FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		JEFFERSON	7	1
		ILLINOIS	CONTRACT NO. 78477	

\*D9 CM Centerline Repair 2016-1

D-99-037-15



FAI ROUTE 57 (I-57)  
SECTION: D9 CM Centerline Repair 2016-1

CENTERLINE REPAIR  
JEFFERSON COUNTY

C-99-045-15

OMISSIONS: NONE

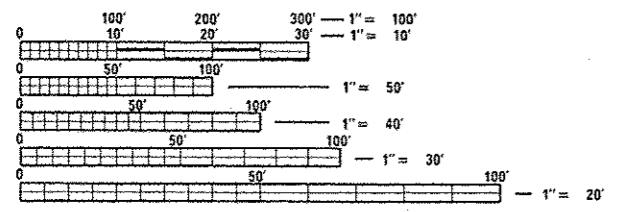
EQUATION STATIONS: NB LANES  
EQ BL STA 890+51.02 BK = BL STA 889+65.50 AH  
EQ BL STA 942+12.46 BK = BL STA 942+12.62 AH  
EQ BL STA 1000+17.01 BK = NB CL STA 1000A+17.28 AH  
EQ NB CL STA 1075A+11.36 BK = BL STA 1074+80.57 AH

EQUATION STATIONS: SB LANES  
EQ BL STA 890+51.02 BK = BL STA 889+65.50 AH  
EQ BL STA 942+12.46 BK = BL STA 942+12.62 AH  
EQ BL STA 944+29.63 BK = SB CL STA 944B+29.90 AH  
EQ SB CL STA 995B+12.17 BK = BL STA 994+81.32 AH

TRAFFIC DATA:

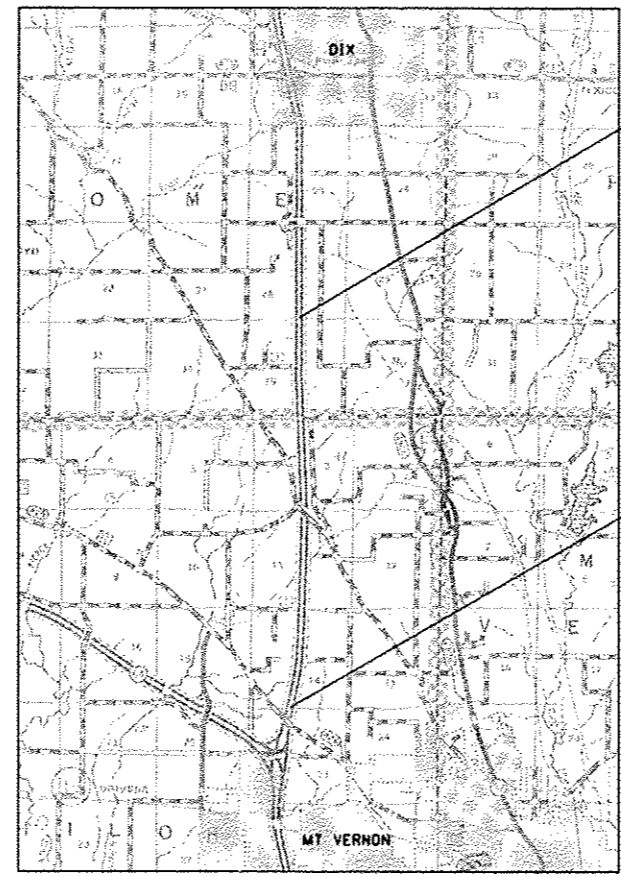
I-57	YEAR 2014	YEAR 2034
PV	10705	14420
SU	850	1160
MU	6700	9160

ADT = 18,255 TRUCKS = 42%



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



PROJECT ENDS  
STA 1105+21.80

PROJECT BEGINS  
STA 885+00

PROJECT ENGINEER: Darryl Leftwich  
PROJECT MANAGER: Charles Stein

CONTRACT NO. 78477

GROSS LENGTH = 22137.74 FT. = 4.193 MILE  
NET LENGTH = 22137.74 FT. = 4.193 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED May 14 2015

Darryl Leftwich  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26 2015  
John D. Baranzoni P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

June 26 2015  
Omer Osman P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

Prepared By: Joe Zdaniewicz  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: [Signature]  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Cecilia Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Karl Kelly  
DISTRICT OPERATIONS ENGINEER

Examined By: [Signature]  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Daglas J. Jurek  
DISTRICT CONSTRUCTION ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

FILE NAME : p:\N\0846310\INTG\Illinois\gpr\WICOT.Dwg	USER NAME : Lefewichal	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCALE: SHEET OF SHEETS STA. TO STA.	F.A.I. R.Y.E.	SECTION	COUNTY	TOTAL SHEET SHEETS	SHEET NO.	
	PROJECT: 2016\78477\0200\data\0200sheets	CHECKED -	REVISED -			57	.	JEFFERSON	5	2	
	PLOT SCALE = 1/8"=1'-0"	DATE -	REVISED -			CONTRACT NO. 78477					
	PLOT DATE = 8/12/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

# INDEX OF SHEETS

SHEET #	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS & STANDARDS
4	GENERAL NOTES
4	MIXTURE REQUIREMENTS
5	SUMMARY OF QUANTITIES
6	TYPICAL SECTION
7	SCHEDULE FOR I-57 CENTERLINE REPAIR

## HIGHWAY STANDARDS

- 000001-06 Standard Symbols Abbreviations & Patterns
- 701400-08 Apprch To Ln Closure - Frway Expway
- 701406-09 Ln Closure Frway Expway - Day Op Only
- 701428 Traffic Control Setup Removal Freeway Expressway
- 701901-04 Traffic Control Devices
- 780001-05 Typical Pvmt Mrkings
- 781001-03 Typical App Raised Reflc Pvmt Mrkrs

FILE NAME =	USER NAME = Lefwischel	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	DRAWN -	REVISED -	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1/8" = 100'	PLOT DATE = 5/14/2015	CHECKED -	REVISED -		DATE -	REVISED -	ST	•	JEFFERSON	7	3	
					SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT CONTRACT NO. 7B477			
*09 CM Centerline Repair 2016-1												

## GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT            2.016 TONS/CU. YD.  
 ALL AGGREGATE                 2.05 TONS/CU. YD.

COMMITMENTS: NONE  
 STRUCTURES WITHIN PROJECT LIMITS: NONE

## MIXTURE REQUIREMENTS

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	D Surface
Quality Management Program:	QCQA

FILE NAME =	USER NAME = Leftwichd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\1\284618\BINTEG\Illinois.gov\FWIDOT\Documents\DOT OFFices\District 9\Projects\Cor	DRAWING 2846178477\CADData\CADsheets	REMOVED -	REMOVED -		57	.	JEFFERSON	7	4		
PLOT SCALE = 120.0000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 78477								
PLOT DATE = 5/14/2015	DATE -	REVISED -									
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

# SUMMARY OF QUANTITIES

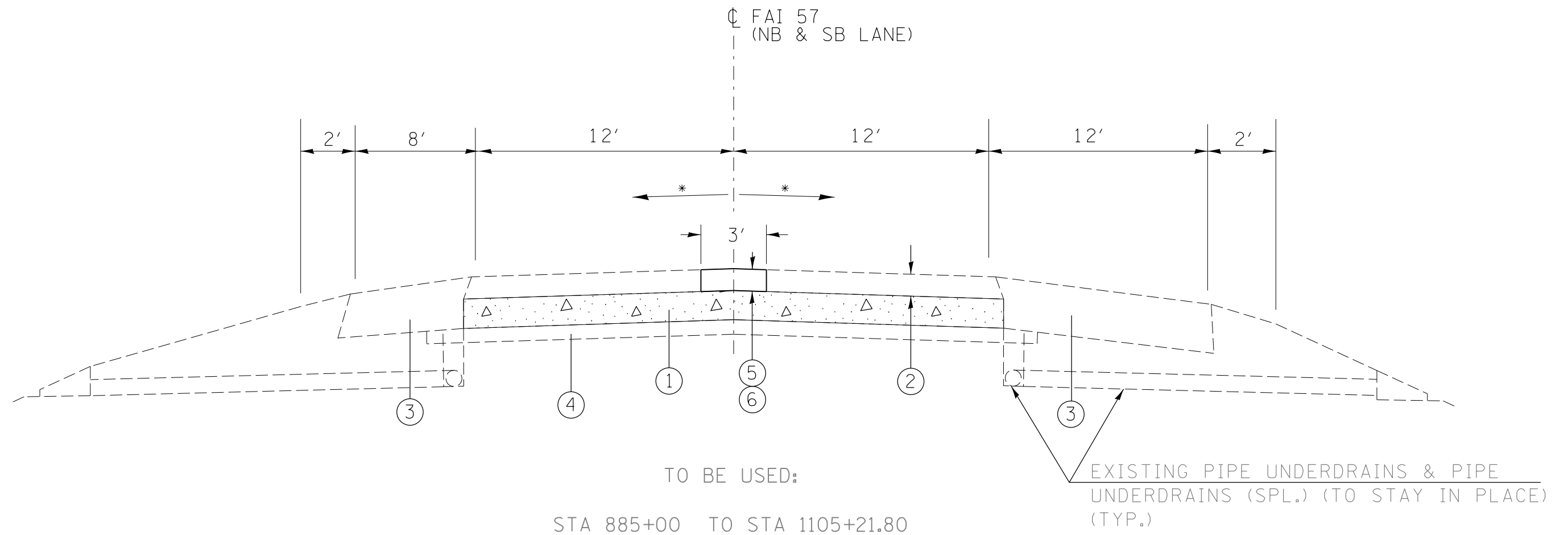
COUNTY:	Jefferson (081)
ROUTE:	FAI-57, I-57
FUNDING:	100% STATE
LOCATION:	RURAL ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3,932
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,650
44000168	HOT-MIX ASPHALT SURFACE REMOVAL, 4 3/4"	SO YD	14,764
67100100	MOBILIZATION	L SUM	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD T01406	LSUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	11,074
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	554
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	554
X7010410	SPEED DISPLAY TRAILER	CAL MO	2

\* SPECIALTY ITEM

FILE NAME *	USER NAME = Leftwichd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.I. RTE. 57	SECTION .	COUNTY JEFFERSON	TOTAL SHEETS 7	SHEET NO. 5	
Default	Default	Default	Default		Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default
Default	Default	Default	Default		Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default
Default	Default	Default	Default		Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default	Default

TYPICAL SECTION  
 I-57 MAINLINE  
 IN DIRECTION OF TRAFFIC  
 (NOT TO SCALE)



- ① EXISTING CRC PAVEMENT 8"
- ② EXISTING BIT SURFACE AND BINDER ( 4<sup>3</sup>/<sub>4</sub>" )
- ③ EXISTING HMA OVERLAYED B&M SHOULDERS
- ④ EXISTING STABILIZED SUB-BASE (4")
- ⑤ HMA REMOVAL, 4<sup>3</sup>/<sub>4</sub>" (VARIES - DOWN TO EXISTING CRC PAVEMENT)
- ⑥ PROPOSED HMA SURFACE 4<sup>3</sup>/<sub>4</sub>" (VARIES - SEE HMA REMOVAL)

\* MATCH EXISTING SLOPE

FILE NAME =	USER NAME = Leftwichdl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	F.A.I. RTE. 57	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\Con	Documents\IDOT Offices\District 9\Projects\Con	DRAWN 2016\78477\CADData\CADsheets	REVISED													JEFFERSON	7	6
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -													CONTRACT NO. 78477		
	PLOT DATE = 5/14/2015	DATE -	REVISED -													ILLINOIS FED. AID PROJECT		

## SCHEDULE FOR I-57 CENTERLINE REPAIR - JEFFERSON CO

I57			LENGTH (INFO ONLY)	HMA SURF REMOVAL 4 3/4"	HMA SURF CSE 4 3/4"	BIT MATLS PR CT	PREFORMED PLASTIC PAVEMENT MARKING INLAYED 6"	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
STA	TO	STA	FEET	SQ YD	TONS	LB	FOOT	FOOT	FOOT
<b><u>I-57 NB</u></b>									
STA 885+00.00	TO STA	890+51.02	551.02	184	49	83	138	7	7
EQ STA 890+51.02 BK	TO STA	889+65.50 AH							
STA 889+65.50	TO STA	942+12.46	5246.96	1749	466	788	1312	66	66
EQ STA 942+12.46 BK	TO STA	942+12.62 AH							
STA 942+12.62	TO STA	944+29.63	217.01	73	20	33	55	2	2
STA 944+29.63	TO STA	994+81.32	5051.69	1684	448	758	1263	64	64
STA 994+81.32	TO STA	1000+17.01	535.69	179	48	81	134	6	6
EQ STA 1000+17.01 BK	TO STA	1000+17.28 AH							
STA 1000+17.28	TO STA	1075+11.36	7494.08	2499	665	1125	1874	94	94
EQ STA 1075+11.36 BK	TO STA	1074+80.57 AH							
STA 1074+80.57	TO STA	1105+21.80	3041.23	1014	270	457	761	38	38
<b>NB LANES TOTAL</b>			22137.68	7382	1966	3325	5537	277	277
<b><u>I-57 SB</u></b>									
STA 885+00.00	TO STA	890+51.02	551.02	184	49	83	138	7	7
EQ STA 890+51.02 BK	TO STA	889+65.50 AH							
STA 889+65.50	TO STA	942+12.46	5246.96	1749	466	788	1312	66	66
EQ STA 942+12.46 BK	TO STA	942+12.62 AH							
STA 942+12.62	TO STA	944+29.63	217.01	73	20	33	55	2	2
EQ STA 944+29.63 BK	TO STA	944+29.90 AH							
STA 944+29.90	TO STA	995+12.17	5082.27	1695	451	763	1271	64	64
EQ STA 995+12.17 BK	TO STA	994+81.32 AH							
STA 994+81.32	TO STA	1000+17.01	535.69	179	48	81	134	6	6
STA 1000+17.01	TO STA	1074+80.57	7463.56	2488	662	1120	1866	94	94
STA 1074+80.57	TO STA	1105+21.80	3041.23	1014	270	457	761	38	38
<b>SB LANES TOTAL</b>			22137.74	7382	1966	3325	5537	277	277
<b>PROJECT TOTALS</b>				14764	3932	6650	11074	554	554

FILE NAME =	USER NAME = Leftwichdl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A.I. RTE. 57	SECTION •	COUNTY JEFFERSON	TOTAL SHEETS 7	SHEET NO. 7	
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\Contract\2016\78477\CADData\CADsheets\78477		DRAWN -	REVISED -										
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -										
	PLOT DATE = 5/14/2015	DATE -	REVISED -										