Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/27/2012	Task #: 2012062724424201001	Request #: 20120627244242
Procedure: ILS OR LOC RWY 12 R AMDT 22		Airport ID: KSTL	Airport: LAMBERT-ST LOUIS INTL		Reimbursable #:
City: ST LOUIS	ST: MO	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID: LMR	Fac. Type: ILS Proc-A	Specialist: MARK BURTZ			

P1

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/27/2012	08/03/2012	JILL OLSON	ESV REQUEST INCLUDED
QA:	08/03/2012	08/03/2012	DAVID PUGLISI	
Liaison:	08/03/2012		K. Spurlin	P1 - WAIVER - ESV REQUEST

Procedure Comments:

Remark Type: INFORMATION

PKG 1 of 2

ST LOUIS, MO LAMBERT-ST LOUIS INTL (KSTL) ILS OR LOC RWY 12R, AMDT 22 ENROUTE-NO FC BY 10/2/12 PUB 11/15/12
ESV: (1) ST. LOUIS (LMR) LOC/DME (1).
ATTACHED FORMS: 8260-1, 8260-3, 8260-9, 8260-10.
8260-2(S): NAIRN INT, REV 8; OBLIO (LM) LOM INT, REV 13; PAULY INT, REV 6; CFIYO, ORIG (INFO ONLY); FONTI INT, REV 9 (INFO ONLY); SADEN INT, REV 9 (INFO ONLY); TROY VORTAC, REV 18 (INFO ONLY).
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307.

ILS or LOC RWY 12R

ST. LOUIS/ LAMBERT-ST. LOUIS INTL (STL)

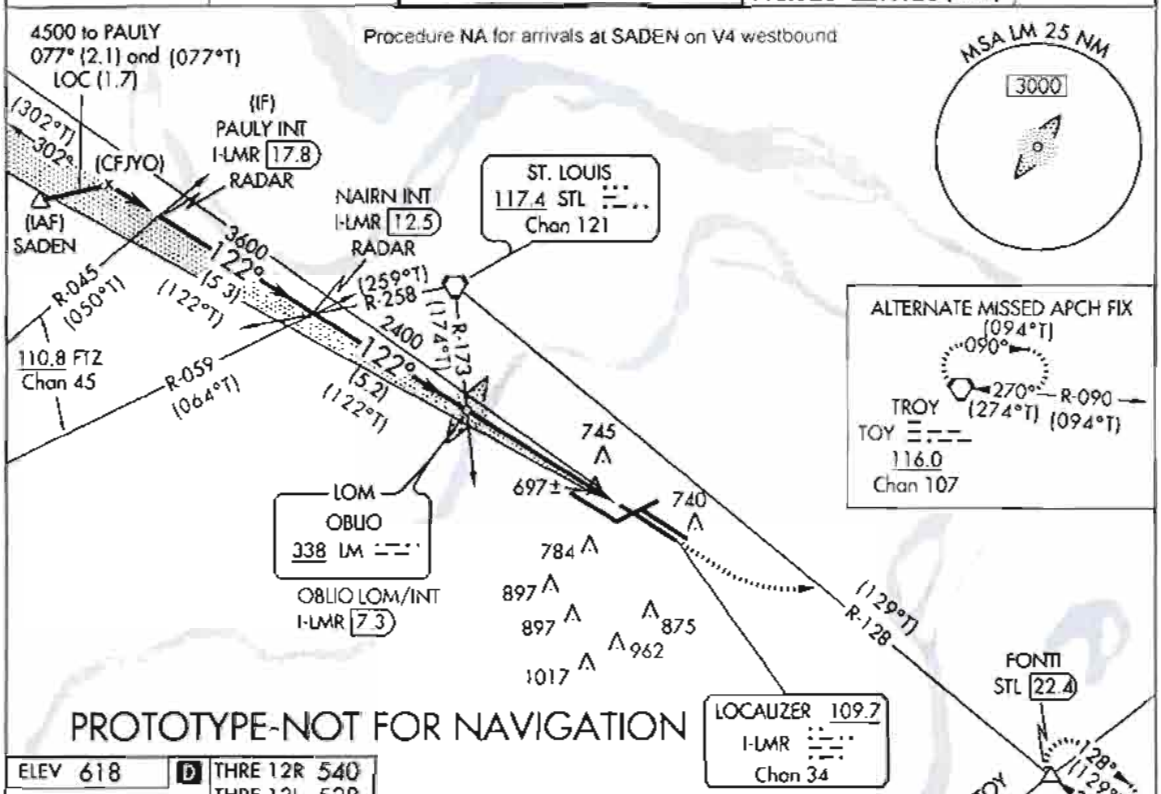
LOC/DME I-LMR	APP CRS		12L	12R
109.7	122°	Rwy Idg	9003	10562
Chan 34		THRE	528	540
		Apt Elev	618	618

Inop table does not apply to Sidestep Rwy 12L. Simultaneous approach authorized with Rwy 11. Visibility reduction by helicopters NA. For inop MALSR, increase S-ILS 12R Cat E visibility to RVR 4000, S-LOC 12R Cats A/B visibility to RVR 5000, CAT E to RVR 6000. LOC procedure NA during simultaneous operations.

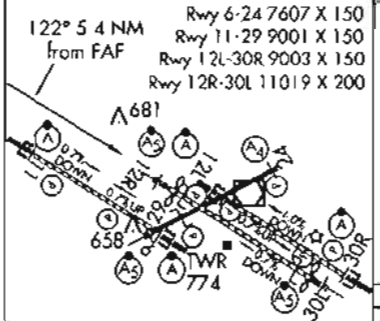
MALSR Rwy 12R | ALSF-2 Rwy 12L

MISSED APPROACH
Climb to 1500 then climbing left turn to 5000 on STL VORTAC R-128 to FONTI INT/STL 22.4 DME and hold.

ATIS	ST. LOUIS APP CON	ST. LOUIS TOWER	GND CON	CLNC DEL
125.025 379.925	121.02 338.25	N 120.05 284.6 S 118.5 257.7 W 132.475 239.275	121.9 348.6 (Inbound) 121.65 387.05 (Outbound) 118.925 227.125 (West)	119.5 363.1

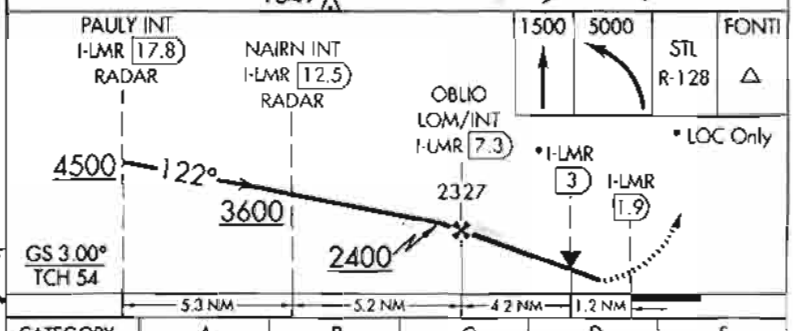


ELEV 618 | D | THRE 12R 540 | THRE 12L 528



HIRL all Rwys
REIL Rwys 12L and 30L
TDZ/CL Rwys 11, 12L, 12R, 29, and 30R

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48



CATEGORY	A	B	C	D	E
S-ILS 12R	740/18 200 (200-½)				
S-LOC 12R	960/40 420 (400-¾)				
SIDESTEP RWY 12L	980-1 452 (400-1)		980-1½ 452 (400-1½)	980-2 452 (400-2)	

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ST LOUIS	City : SAINT LOUIS	Ident : LMR	State : MO
Type/Class : DME	Frequency : M995	Reference No.: 08067661	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 081663-001	302	0	18	50	55

Requirement: PAULY		
Signature: Powers Jacob	Routing Symbol:	Date: 06/12/2008

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 081663-001	302	0	18	50	55	APPROVE

Requirement/Remarks: PAULYApproved. Pend Flight Chk/Inspect @ the req. dist. and MIN ALT.		
Signature: BOWERS MIKE	Routing Symbol:	Date: 06/16/2008

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 081663-001	302	0	18	50	55	APPROVE

Requirement/Remarks: PAULYApproved. Pend Flight Chk/Inspect @ the req. dist. and MIN ALT		
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/16/2008

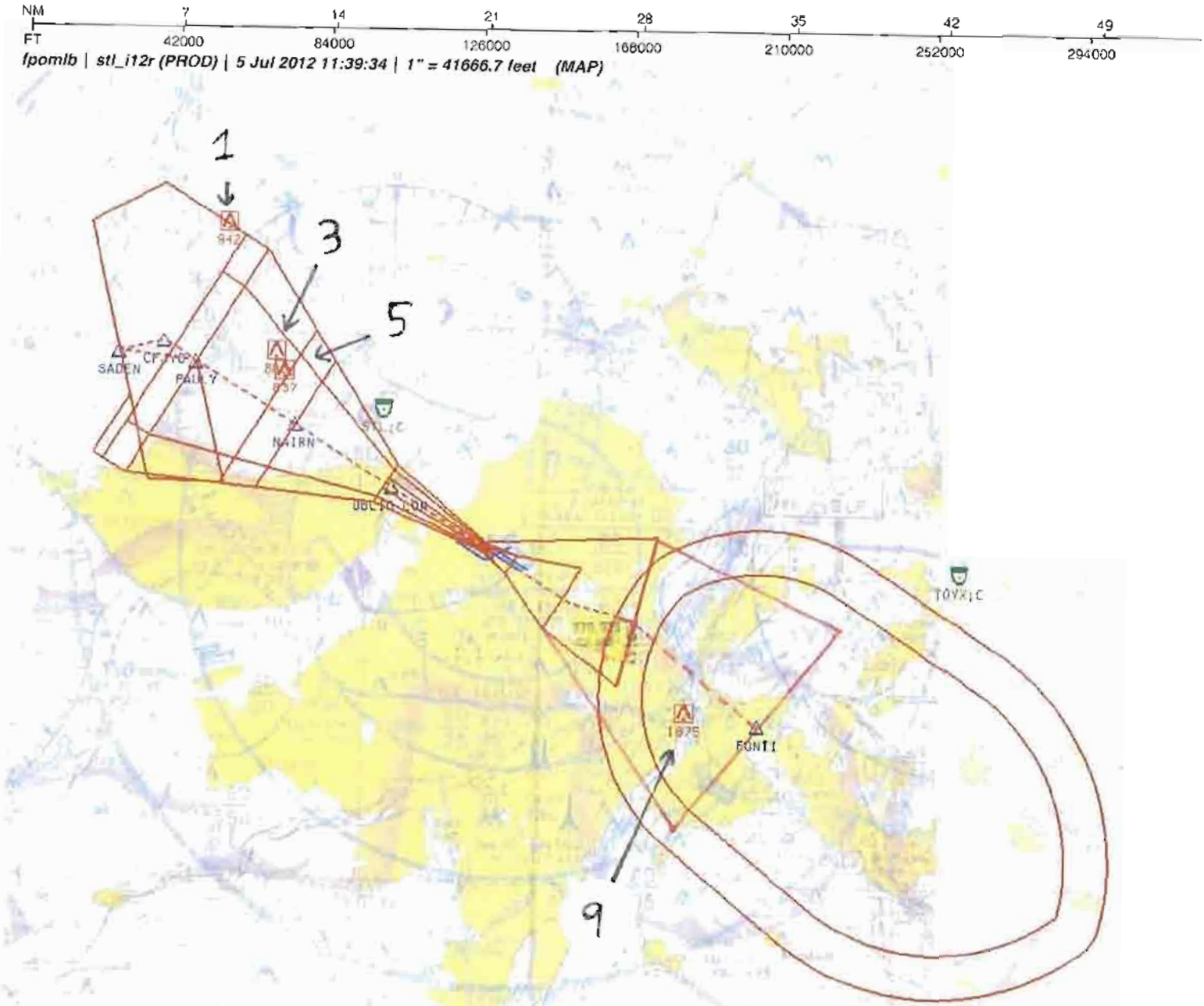
Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 081663-001	302	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office	Airspace Docket Number :	Request Type : Establish			
Facility Data					
Chart Name : ST LOUIS	City : SAINT LOUIS	Ident : LMR	State : MO		
Type/Class : LOC	Frequency : M109.7	Reference No : 08067660			
Expanded Service Volume Data: (Requesting Officer)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 711309-007	302	0	18	50	55
Requirement: GRANDFATHERED: PAULY INT					
Signature: Powers Jacob	Routing Symbol:				Date: 06/12/2008
Expanded Service Volume Data: (FMO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 711309-007	302	0	18	50	55	APPROVE
Requirement/Remarks: GRANDFATHERED PAULY INTApproved. Pend Flight Chk/Inspect @ the req. dist. and MIN ALT.						
Signature: BOWERS MIKE	Routing Symbol:			Date: 06/16/2008		
Expanded Service Volume Data: (Super FMO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 711309-007	302	0	18	50	55	APPROVE
Requirement/Remarks: GRANDFATHERED: PAULY INTApproved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.						
Signature: CHRISTEIN THOMAS	Routing Symbol:			Date: 06/16/2008		
Expanded Service Volume Data: (FIFO)					
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 711309-007	302	0				
Requirement/Remarks:						
Signature:	Routing Symbol:			Date:		



Airport ID:	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAMBERT/ST. LOUIS INTL	1	DR - SADEN	AAO	942
City:	ST. LOUIS	3	INTERMEDIATE - PAULY	AAO	880
State:	MO	5	INTER STEP - NAIRN	AAO	837
Proc ID:	ILS or LOC RWY 12R	9	MISSED - LVL SFC	ARCH	1075
Amdt #:	AMDT 22	9	MISSED - HOLDING	ARCH	1075
Scale:	1:500,000				

lpomlb | stl. i12r (PROD) | 5 Jul 2012 12:04:09 | 1" = 8333.3 feet (MAP)

Airport ID	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAMBERT/ST. LOUIS INTL		ILS	ASC	
City	ST. LOUIS				
State	MO				
Proc ID	ILS or LOC RWY 12R				
Amdt #	AMDT 22				
Scale	1:100,000				

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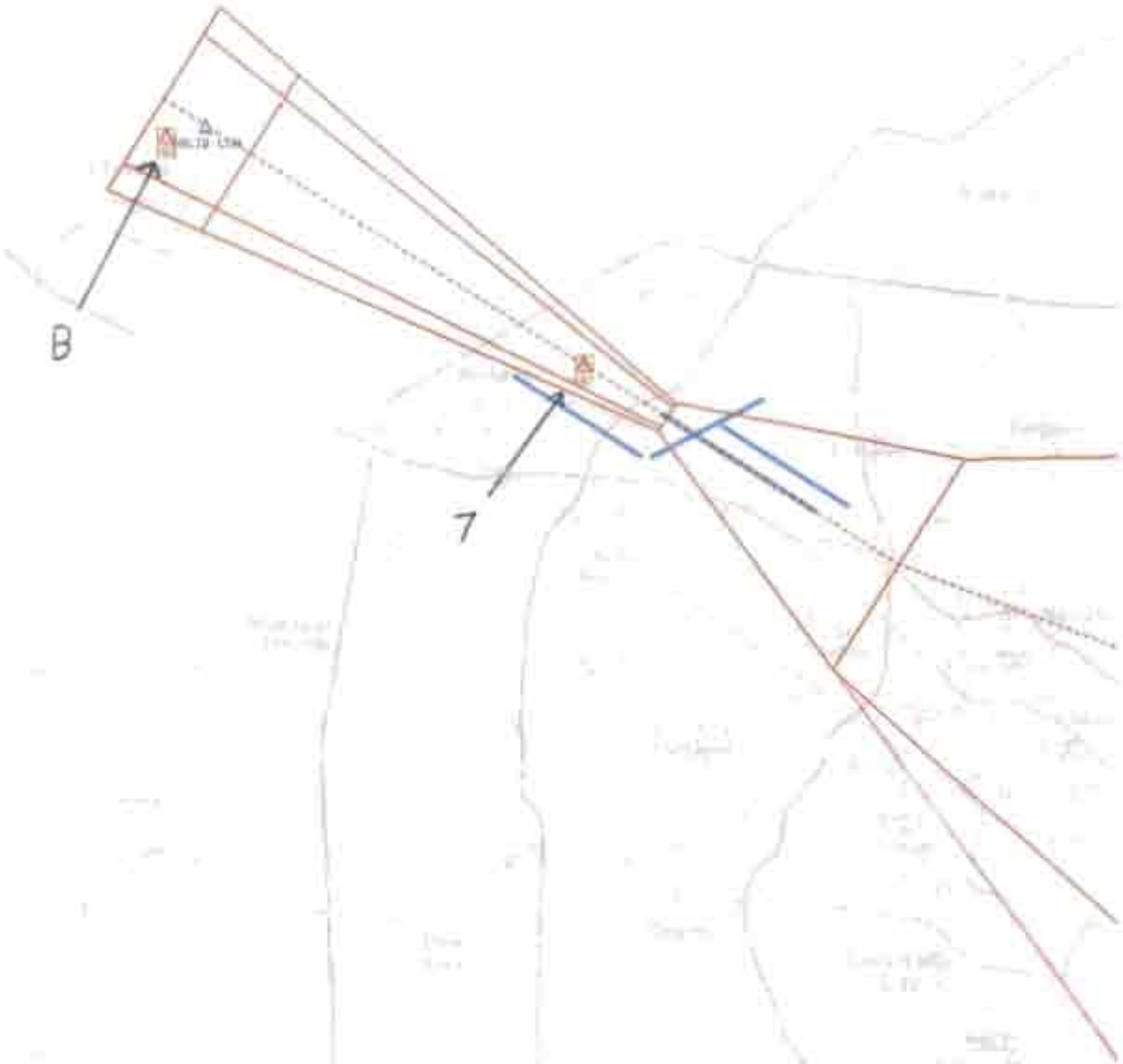
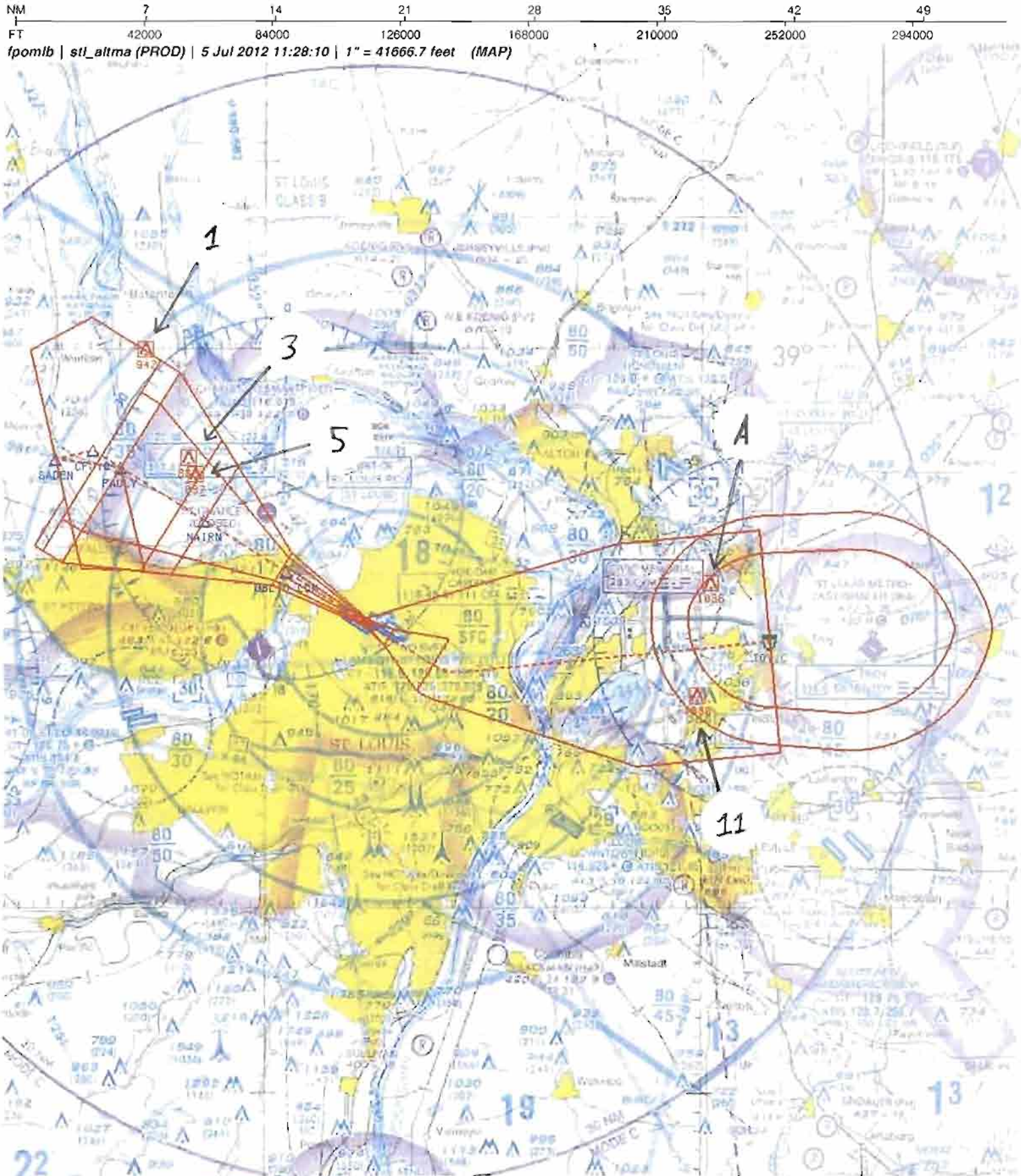
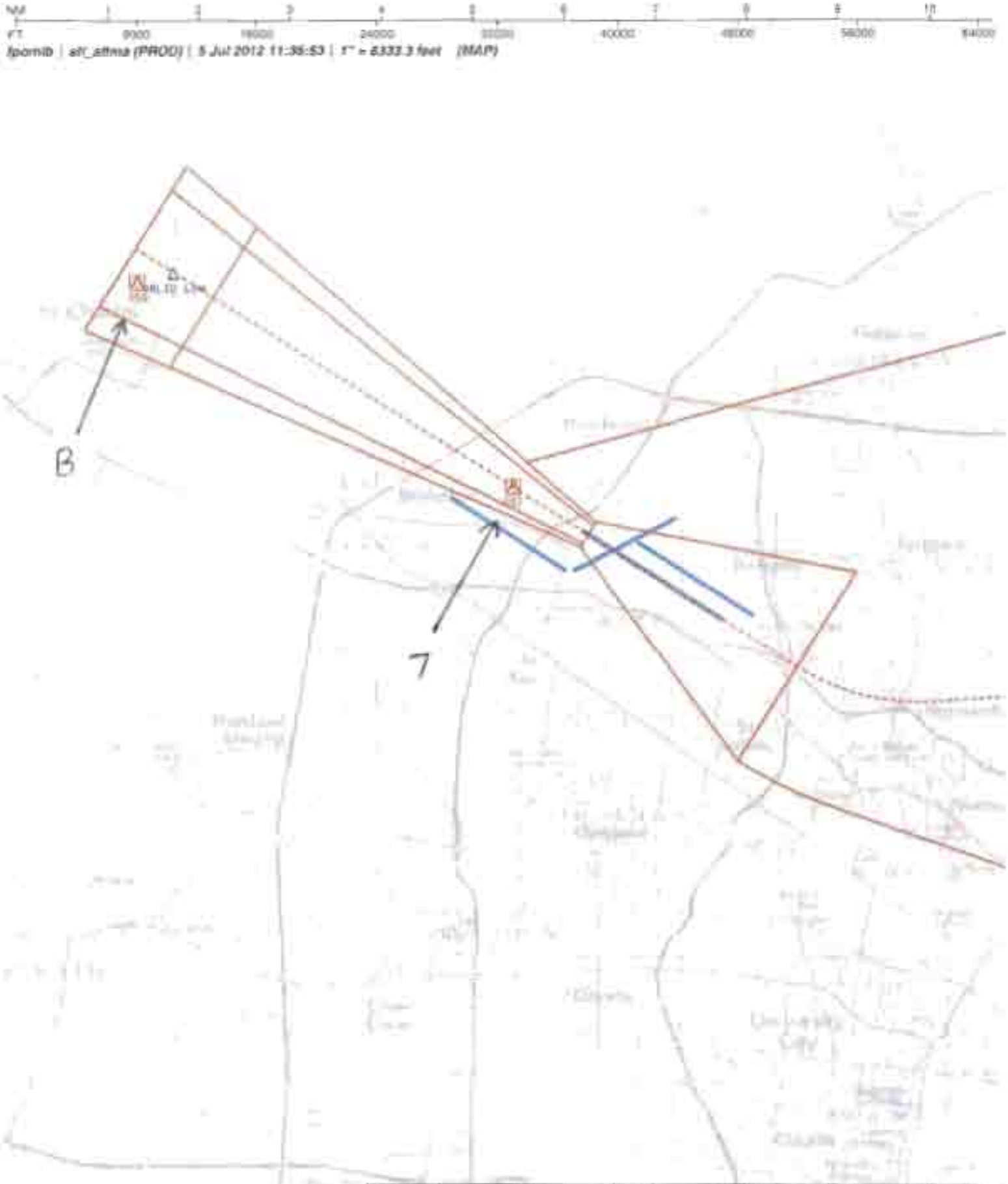


Airport ID	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAMBERT/ST. LOUIS INTL	B	LOC - PARA 289	AAO	759
City	ST. LOUIS	7	LOC	TREE	697
State	MO				
Proc ID	ILS or LOC RWY 12R				
Amdt #	AMDT 22				
Scale	1:100,000				



Airport ID:	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAMBERT/ST. LOUIS INTL	1	DR - SADEN	AAO	942
City:	ST. LOUIS	3	INTERMEDIATE - PAULY	AAO	880
State:	MO	5	INTER STEP - NAIRN	AAO	837
Proc ID.	ILS or LOC RWY 12R	11	ALTERNATE MISSED - LVL SFC	TOWER	1038
Amdt #.	AMDT 22	A	ALTERNATE MISSED - HOLDING	TOWER	1036
Scale:	1:500,000				

Airport ID	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAMBERT/ST. LOUIS INTL		ILS - ALTERNATE MISSED	ASC	
City	ST. LOUIS				
State	MO				
Proc ID	ILS or LOC RWY 12R				
Amdt #	AMDT 22				
Scale	1:100,000				

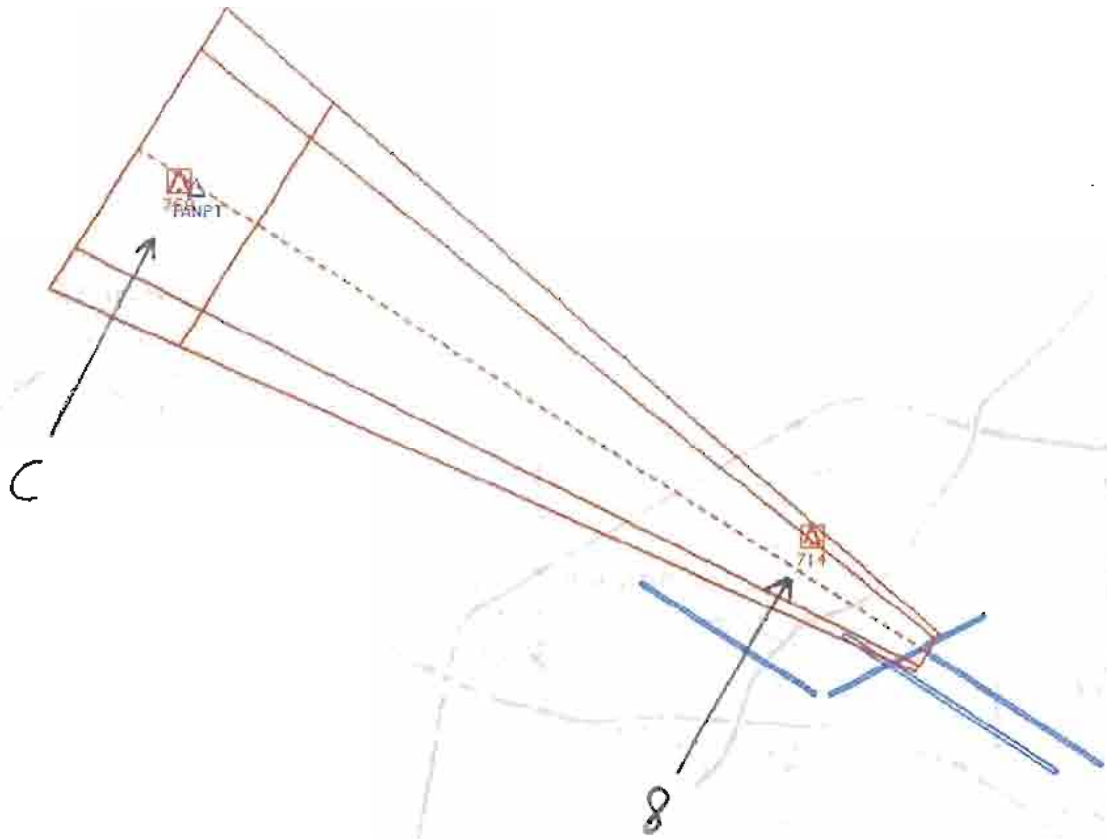


Airport ID	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAMBERT/ST. LOUIS INTL	B	LOC - PARA 288	AAO	799
City	ST. LOUIS	7	LOC - ALTERNATE MISSED	TREE	697
State	MO				
Proc ID	ILS or LOC RWY 12R				
Amdt #	AMDT 22				
Scale	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpomlb | stl_sdstp (PROD) | 5 Jul 2012 11:33:19 | 1" = 8333.3 feet (MAP)



Airport ID:	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAMBERT/ST. LOUIS INTL	C	FINAL - SIDESTEP PARA 289	AAO	769
City:	ST. LOUIS	8	FINAL - SIDESTEP	TREE	714
State:	MO				
Proc ID:	ILS or LOC RWY 12R				
Amdt #:	AMDT 22				
Scale:	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SADEN INT (IAF)	PAULY INT/ 17.83 DME/RADAR	077.00 / 2.07 (HDG) & 122.19 / 1.73 (I-LMR)	4500
PAULY INT/ 17.83 DME/RADAR (IF)	NAIRN INT/ 12.49 DME/RADAR	122.19 / 5.34 (I-LMR)	3600
NAIRN INT/ 12.49 DME/RADAR	OBLIO LOM/INT/ 7.25 DME	122.19 / 5.24 (I-LMR)	2400

MISSED APPROACH

ILS: DA
LOC: 5.36 MILES AFTER OBLIO LOM/INT/7.25 DME OR AT I-LMR 1.89 DME FIX

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 5000 ON STL VORTAC R-128 TO FONTI INT/22.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT TOY VORTAC AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT PAULY
3. FAC: 122.19 FAF: OBLIO LOM/INT/ 7.25 DME DIST FAF TO MAP: 5.36 THLD: 5.36
4. MIN. ALT: PAULY 4500, NAIRN 3600, OBLIO LOM 2400
5. DIST TO THLD FROM OM: 5.36 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1153
6. MIN GS INCPT: 2400 GS ALT AT: - OM: 2327 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.4
8. MSA FROM: LM LOM 3000

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 308.40 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E TOY VORTAC, RT, 270.00 INBOUND.
CHART FAS OBST: 697 TREE 384538N/0902343W
CHART 714 TREE 384551N/0902302W.
CHART VDP AT 3.04 DME*;
DISTANCE VDP TO THLD 1.15 MILES.
*LOC ONLY.
CHART (CFJYO) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.
CHART IN PLANVIEW: TOY VORTAC.
CHART LOC RWY 11.
759 AAO 384751N/0902859W.

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: STANDARD LOC: STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 12R	740	1800	200	740	1800	200	740	1800	200	740	1800	200	740	1800	200
S-LOC 12R	960	4000	420	960	4000	420	960	4000	420	960	4000	420	960	4000	420
SIDESTEP 12L	980	1	452	980	1	452	980	1 1/2	452	980	2	452	980	2	452

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 12L.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 11.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 12R CAT E VISIBILITY TO RVR 4000, S-LOC 12R (SEE FORM 8260-10)

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 618 THRE: 12R 540 AIRPORT NAME: THRE: 12L 528	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ST LOUIS, MO	LAMBERT-ST LOUIS INTL	I-LMR	ILS OR LOC RWY 12R, AMDT 22	AMDT: 21F
				DATED 04/05/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO	SEE CHANGES	ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZKC, STL ATCT, MO STATE AERO

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
JILL OLSON (MARK BURTZ)	AJV-353	07/02/2012

APPROVED BY		
NAME:	FIFO	DATE:
LARRY H STROUT MANAGER	AJV-353	

CHANGES:

1. UPDATED DME FROM I-LMR FOR PAULY (FROM 17.78 TO 17.83), NAIRN (FROM 12.44 TO 12.49) AND OBLIO LOM (FROM 7.20 TO 7.25).
2. CHANGED SADEN TO PAULY DR SEGMENT HEADING/DISTANCE FROM 77/2.08 AND 122.20/1.73 TO 77/2.07 AND 122.19/1.73.
3. CHANGED COURSE FROM PAULY TO NAIRN FROM 122.20 TO 122.19.
4. CHANGED COURSE/DISTANCE FROM NAIRN TO OBLIO LOM FROM 122.20/5.23 TO 122.19/5.24.
5. CHANGED LOC MAP DME FOR OBLIO LOM FROM 7.20 TO 7.25 AND DME MAP FROM 1.84 TO 1.89.
6. CHANGED VERBAGE IN MISSED APPROACH INSTRUCTIONS FROM INTERCEPT STL VORTAC R-128 TO ON STL VORTAC R-128, ADDED CLIMB-IN-HOLD TO MISSED APPROACH INSTRUCTIONS.
7. ADDED ALTERNATE MISSED APPROACH INSTRUCTIONS.
8. CHANGED ALL REFERENCE FROM TDZE TO THRE.
9. LOWERED S-ILS DA/HATH FROM 790/250 TO 740/200 AND LOWERED VISIBILITY FROM RVR 4000 TO RVR 1800.
10. CHANGED SIDESTEP 12L FROM 439 HAT TO 452 HATH.
11. CHANGED INOPERATIVE TABLE NOTE FROM INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 12R OR SIDESTEP 12L TO INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 12L.
12. ADDED NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

SEE 8260-10

REASONS:

1,2,3,4,5. PER CURRENT EVALUATION/LMR LOC/DME FACILITY MOVED.
6,7,8,10,12,15. CRITERIA.
9. FPT REQUEST/PER CURRENT EVALUATION.
11,13. CURRENT EVALUATION/NEW VISIBILITY TABLES.
14. CURRENT EVALUATION/NEW CONTROLLING OBSTACLE.

PDF EDITS: REMOVED PT NA FROM LINE 1.
REMOVED "SADEN" FROM DR NOTE IN ADDITIONAL FLIGHT DATA.
ADDED "LOC:" TO ALTERNATE MINIMUMS BLOCK
REMOVED KSTL INFORMATION FROM PART B - BLOCK 3 ON -9.
CHANGED REFERENCE IN WAIVER ON BACK OF -9 TO REFLECT .19E.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CATS A/B TO RVR 5000, CAT E TO RVR 6000.
CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SADEN ON V4 WESTBOUND.

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST LOUIS, MO	ELEVATION: 618 THRE: 12R 540 THRE: 12L 528 AIRPORT NAME: LAMBERT-ST LOUIS INTL	I-LMR	ILS OR LOC RWY 12R, AMDT 22	AMDT: 21F DATED: 04/05/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
13. UPDATED INOPERATIVE MALSR NOTE FROM INOPERATIVE MALSR, INCREASE S-LOC 12R CATS A AND B VISIBILITY TO RVR 5000 AND CAT E VISIBILITY TO 1 1/2 TO FOR INOPERATIVE MALSR, INCREASE S-ILS 12R CAT E VISIBILITY TO RVR 4000, S-LOC 12R CATS A/B TO RVR 5000, CAT E TO RVR 6000. 14. RAISED MSA ALTITUDE FROM 2800 TO 3000. 15. ADDED PROCEDURE NA FOR ARRIVALS AT SADEN ON V4 WESTBOUND NOTE.
MB: 384801.19N / 0902829.10W, NOS AOC SURVEY, AND MILITARY SURVEYS
DME: 384407.69N / 0902039.90W, GS: 384508.96N / 0902224.90W, LOC: 384410.22N / 0902035.52W, OTHER

REASONS:

QUALITY 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS
        SUSAD KSTLK3 ILMR  K3010970 IT                    ILMRN38440769W090203990     005920     NARLAMBERT-ST LOUIS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFJYO K30    W     N38543507W090414930                    W0008     NAR           CNF(CFJYO)
        SUSAEAENRT   FONTI K50    R   L N38372099W090064885                    W0012     NAR           FONTI
        SUSAEAENRT   NAIRN K30    C     N38504992W090340868                    W0009     NAR           NAIRN
        SUSAEAENRT   OBLIO K30    C     N38480279W090282782                    W0009     NAR           OBLIO LOM
        SUSAEAENRT   PAULY K30    C     N38534004W090395656                    W0008     NAR           PAULY
        SUSAEAENRT   SADEN K30    C   L N38540705W090442474                    W0007     NAR           SADEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3ASTL     0     110YHN38445531W090221210E000000618         1800018000C    MNAR    LAMBERT-ST LOUIS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3FI12R  ASADEN 010SADENK3EA0E  A    IF                                          18000                 0 NS
        SUSAP KSTLK3FI12R  ASADEN 020CFJYOK3EA0E       TF                                  + 04500                       0 NS
        SUSAP KSTLK3FI12R  ASADEN 030PAULYK3EA0E  B    TF                                  + 04500                       0 NS
        SUSAP KSTLK3FI12R  ASADEN 040NAIRNK3EA0EE      CF ILMRK3      3022012512220053PI   + 03600                       0 NS
        SUSAP KSTLK3FI12R  I      010NAIRNK3EA0E  I    IF ILMRK3      30220125        PI   J 036000240018000             0 NS
        SUSAP KSTLK3FI12R  I      020OBLIOK3EA0E  F    CF ILMRK3      3022007312200052PI   H 0240002327       -300LM    K3PN0 NS
        SUSAP KSTLK3FI12R  I      030RW12RK3PG0GY M    CF ILMRK3      3022001912200054PI     00594            -300          0 NS
        SUSAP KSTLK3FI12R  I      040          0  M    CA                    1222          + 01500                       0 NS
        SUSAP KSTLK3FI12R  I      050FONTIK5EA0EY      CF STL K3      12840224128401300    + 05000                       0 NS
        SUSAP KSTLK3FI12R  I      060FONTIK5EA0EE  R   HM                    3084T010     + 05000                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3GRW12R   0110191222 N38451159W090223998+0400     +013320054004675420OIILMR1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3IILMR1   010970RW12RN38441022W0902035521222N38450896W0902224901100 11530344300E00005400532
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 618	THRE: 12R 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: **LAMBERT-ST LOUIS INTL**	TDZE: 12L 528	**I-LMR**	**ILS OR LOC RWY 12R, AMDT 22**	AMDT: **21F**
					DATED: **04/05/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3SLM   K3PN              0   18018003025                                                                  M

                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAPNKSTLK3 LM    K3003380HOLW N38480225W090282912                    E0000          NAROBLIO
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 618	THRE: 12R 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: LAMBERT-ST LOUIS INTL	TDZE: 12L 528	I-LMR	ILS OR LOC RWY 12R, AMDT 22	AMDT: 21F
					DATED: 04/05/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SADEN	SADEN	010	IAF	IF		FB					
	SADEN	CFJYO	020		TF		FB				AA 04500	
	SADEN	PAULY	030		TF		FB				AA 04500	
	SADEN	NAIRN	040		CF		FB		122.2()	005.3	AA 03600	
		NAIRN	010	FACF	IF		FB				AA 03600 GI 02400	
		OBLIO	020	FAF	CF		FB		122.0()	005.2	GI 02400 GS 02327	
		RW12R	030	MAP	CF		FO		122.0()	005.4	AT 00594	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		122.2()		AA 01500	
	FONTI	050		CF		FO		128.4()	013.0	AA 05000	
	FONTI	060		HM	R	FO		308.4()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	ILMR (DME)	N384407.69	W0902039.90	N3844.128	W09020.665
	CFJYO	N385435.07	W0904149.30	N3854.585	W09041.822
	FONTI	N383720.99	W0900648.85	N3837.350	W09006.814
	NAIRN	N385049.92	W0903408.68	N3850.832	W09034.145
	OBLIO	N384802.79	W0902827.82	N3848.047	W09028.464
	PAULY	N385340.04	W0903956.56	N3853.667	W09039.943
	SADEN	N385407.05	W0904424.74	N3854.118	W09044.412
	RW12R	N384511.59	W0902239.98	N3845.193	W09022.666
	ILMR (LOC)	N384410.22	W0902035.52	N3844.170	W09020.592
	LM	N384802.25	W0902829.12	N3848.038	W09028.485

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12R	00540	54

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: **618**	**THRE: 12R 540**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: **LAMBERT-ST LOUIS INTL**	**TDZE: 12L 528**	**I-LMR**	**ILS OR LOC RWY 12R, AMDT 22**	AMDT: **21F**
					DATED: **04/05/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS
          SUSAD KSTLK3 ILMR  K3010970 IT                    ILMRN38441045W090204227     005970     NARLAMBERT-ST LOUIS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CFJYO K30    W     N38543507W090414930                    W0008     NAR          CNF(CFJYO)
          SUSAEAENRT   FONTI K50    R   L N38372099W090064885                    W0012     NAR          FONTI
          SUSAEAENRT   NAIRN K30    C     N38504992W090340868                    W0009     NAR          NAIRN
          SUSAEAENRT   OBLIO K30    C     N38480279W090282782                    W0009     NAR          OBLIO LOM
          SUSAEAENRT   PAULY K30    C     N38534004W090395656                    W0008     NAR          PAULY
          SUSAEAENRT   SADEN K30    C   L N38540705W090442474                    W0007     NAR          SADEN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSTLK3ASTL     0     110YHN38445531W090221210E000000618         1800018000C    MNAR    LAMBERT-ST LOUIS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSTLK3FL12R  ASADEN 010SADENK3EA0E  A    IF                                      18000                 0 NS
          SUSAP KSTLK3FL12R  ASADEN 020CFJYOK3EA0E       TF                                + 04500                     0 NS
          SUSAP KSTLK3FL12R  ASADEN 030PAULYK3EA0E  B    TF                                + 04500                     0 NS
          SUSAP KSTLK3FL12R  ASADEN 040NAIRNK3EA0EE      CF ILMRK3      3022012512220053PI + 03600                     0 NS
          SUSAP KSTLK3FL12R  L      010NAIRNK3EA0E  I    IF ILMRK3      30220125        PI + 03600     18000           0 NS
          SUSAP KSTLK3FL12R  L      020OBLIOK3EA0E  F    CF ILMRK3      3022007212200052PI + 02400              LM     K3PN0 NS
          SUSAP KSTLK3FL12R  L      030RW12RK3PG0GY M    CF ILMRK3      3022001912200054PI   00594           -318      0 NS
          SUSAP KSTLK3FL12R  L      040         0  M     CA                      1222       + 01500                     0 NS
          SUSAP KSTLK3FL12R  L      050FONTIK5EA0EY      CF STL K3      1284022412840130D  + 05000                     0 NS
          SUSAP KSTLK3FL12R  L      060FONTIK5EA0EE  R   HM                      3084T010   + 05000                     0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSTLK3GRW12R   0110191222 N38451159W090223998+0400    +013320054004675420OIILMR1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSTLK3IILMR1   010970RW12RN38441162W0902038311222N38450896W0902224900840 11530351300E00005400532
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 618	THRE: 12R 540	FACILITY	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: **LAMBERT-ST LOUIS INTL**	THRE: 12L 528	IDENTIFIER: **I-LMR**	**ILS OR LOC RWY 12R, AMDT 22**	AMDT: **21F**
					DATED: **04/05/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA         12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
            ------------------------------------------------------------------------------------------------------------------------
            SUSAP KSTLK3SLM   K3PN              0   18018003025                                                              M

            1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
            ------------------------------------------------------------------------------------------------------------------------
            SUSAPNKSTLK3 LM    K3003380HOLW N38480225W090282912                    E0000          NAROBLIO
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 618	THRE: 12R 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: **LAMBERT-ST LOUIS INTL**	THRE: 12L 528	**I-LMR**	**ILS OR LOC RWY 12R, AMDT 22**	AMDT: **21F**
					DATED: **04/05/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SADEN	SADEN	010	IAF	IF		FB					
	SADEN	CFJYO	020		TF		FB				AA 04500	
	SADEN	PAULY	030		TF		FB				AA 04500	
	SADEN	NAIRN	040		CF		FB		122.2()	005.3	AA 03600	
		NAIRN	010	FACF	IF		FB				AA 03600	
		OBLIO	020	FAF	CF		FB		122.0()	005.2	AA 02400	
		RW12R	030	MAP	CF		FO		122.0()	005.4	AT 00594	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		122.2()		AA 01500	
	FONTI	050		CF		FO		128.4()	013.0	AA 05000	
	FONTI	060		HM	R	FO		308.4()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	ILMR (DME)	N384410.45	W0902042.27	N3844.174	W09020.705
	CFJYO	N385435.07	W0904149.30	N3854.585	W09041.822
	FONTI	N383720.99	W0900648.85	N3837.350	W09006.814
	NAIRN	N385049.92	W0903408.68	N3850.832	W09034.145
	OBLIO	N384802.79	W0902827.82	N3848.047	W09028.464
	PAULY	N385340.04	W0903956.56	N3853.667	W09039.943
	SADEN	N385407.05	W0904424.74	N3854.118	W09044.412
	RW12R	N384511.59	W0902239.98	N3845.193	W09022.666
	ILMR (LOC)	N384411.62	W0902038.31	N3844.194	W09020.639
	LM	N384802.25	W0902829.12	N3848.038	W09028.485

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12R	00540	54

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 618	THRE: 12R 540	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST LOUIS, MO	AIRPORT NAME: **LAMBERT-ST LOUIS INTL**	**THRE: 12L 528**	**I-LMR**	**ILS OR LOC RWY 12R, AMDT 22**	AMDT: **21F**
					DATED: **04/05/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	SADEN INT	PAULY INT/ 17.83	1. AAO	385936.00N/0903809.00W	942 (4E)	1000	AT2558	4500
		DME/RADAR	2. TERRAIN	385936.00N/0903809.00W	742 (700)		AS1500	2200
INTERMEDIATE	PAULY INT/ 17.83	NAIRN INT/ 12.49	3. AAO	385345.00N/0903515.00W	880 (4E)	500	AC98 AT2122	3600
	DME/RADAR	DME/RADAR	4. TERRAIN	385345.00N/0903515.00W	680 (700)		AS1500	2200
INTERMEDIATE:	NAIRN INT/ 12.49	OBLIO LOM/INT/	5. AAO	385254.00N/0903445.00W	837 (4E)	500	AC98 AT965	2400
STEPDOWN	DME/RADAR	7.25 DME	6. TERRAIN	384906.00N/0902915.00W	598 (600)		AS1500	2100
FINAL: ILS	GS INTCP	RW12R				ASC		740/200
FINAL: LOC	OBLIO LOM/INT/	5.36 MILES AFTER	7. TREE (KSTLC041)	384537.92N/0902342.99W	697 (1A)	250		960
	7.25 DME	OBLIO						
		LOM/INT/7.25						
		DME OR AT I-LMR						
		1.89 DME FIX						
FINAL: SIDESTEP	OBLIO LOM/INT/	RW12L	8. TREE (KSTLC034)	384550.55N/0902301.69W	714 (1A)	250		980
	7.25 DME							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 5.36 MILES	FONTI INT/22.44				ASC		5000
	AFTER OBLIO	DME	9. ARCH (29-000289)	383729.00N/0901108.00W	1075 (3C)	1000		2100
ELEV:	572/710		10. TERRAIN	384221.00N/0901839.00W	673 (700)		AS1500	2200

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: LM LOM

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
360-360	TWR (29-001023)	188/ 26.6	1949 (5D)	3000					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ST LOUIS, MO	ELEVATION: 618 AIRPORT NAME: LAMBERT-ST LOUIS INTL	I-LMR	ILS OR LOC RWY 12R, AMDT 22	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZKC ARTCC STL TOWER	NWS / FAA / A/C — OTHER: ASOS	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:		
X VHF X UHF HF	LOCATION: KSTL	ADJUSTMENT:

4. MONITOR STATUS		
PRIMARY NAVAID: I-LMR		
MONITOR POINT: STL ATCT		
HRS OPTN:	CAT 1	24
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
X	ALSF-2 12L, 30R, 11, 29
	(S) SALS
X	MALS 24 MALSR 30L, 06, 12R
X	HIRL 12L, 30R, 11, 24, 29, 30L, 06, 12R
	MIRL
X	REIL 12L, 30L
X	TDZ 12L, 30R, 12R
X	C/L 12L, 30R, 11, 29, 30L, 12R
X	OTHER (SPECIFY) PAPI-4R 12L, 30R, 11, 30L LDIN 30L PAPI-4L 24, 29, 06, 12R

6. RUNWAY MARKINGS	
BASIC	
ALL WEATHER	PIR-G 12L, 30R, 11, 24, 29, 30L, 06, 12R
INSTRUMENT	

7. RUNWAY VISUAL RANGE	
APPROACH	12L, 30R, 24, 30L, 06, 12R
MIDFIELD	12L, 30R
ROLL OUT	12L, 30R

8. GLIDE PATH		
GP ANGLE: 3.00		ELEV RWY THRESHOLD: 539.8
DISTANCE FROM RWY: 1153		ELEV GP ANTENNA: 533.8
		THRESHOLD CROSSING HEIGHT: 54.4

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: 1

ORDER 8260.19E, PARAGRAPH 4-6A; RWY SEPARATION IS 1300' CENTERLINE TO CENTERLINE. FLIGHT PROCEDURES AND AIRSPACE 8260.19, PARA 4-6A STATES RWY CENTERLINES SHOULD BE SEPARATED 1200' OR LESS.

PART D - PREPARED BY:	DATE:
JILL OLSON (MARK BURTZ)	07/02/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS 289 APPLIED TO 759 AAO 384751.40N/0902858.50W.

KSTL ASOS ON SERVICE A.

ALTERNATE ALTIMETER NOT ESTABLISHED DUE TO REDUNDANT SOURCES.

VGSI DATA 3.00/54

INTERMEDIATE SEGMENT EXCEEDS 10 NM FOR ATC OPERATIONAL ADVANTAGE.

CIRCLING NOT AUTHORIZED PER ATC REQUEST.

INTERMEDIATE STEPDOWN PER ATC REQUEST.

WAIVER: FAAO 8260.19E PARA 4-6A RWY SEPARATION IS 1300' CENTERLINE TO CENTERLINE. FLIGHT PROCEDURES AND AIRSPACE 8260.19, PARA 4-6A STATES RWY CENTERLINES SHOULD BE SEPARATED 1200' OR LESS.

NO ADDITIONAL AIRSPACE REQUIRED.

ILS AND LOC INTERMEDIATE HAVE SAME CONTROLLING OBSTACLE.

RW12R THLD DISPLACED 467 FT 384511.59N/0902239.98W.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1 (960 MDA)
663 TREE (KSTL0135) 384525.67N-0902327.94W (12.24)
654 TREE (KSTLC036) 384537.68N-0902314.17W (11.36)
665 TREE (KSTLC037) 384539.95N-0902318.83W (9.58)
684 TREE (KSTLC039) 384542.82N-0902328.78W (4.42)

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
11. TOWER (17-000440) 384101.37N/0900004.01W 1038 (2C)
1000 2100
10. TERRAIN 384221.00N/0901839.00W 673 (700) AS1500
2200

QUALITY 2 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CFJYO **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385435.07N/0904149.30W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12R			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/20/2008

DEVELOPED BY: **DATE:** 06/11/2008 **OFFICE:** AVN-120 **NAME:** KAREN GONZALEZ (JACOB POWERS)

APPROVED BY: **DATE:** 09/23/2008 **OFFICE:** AVN-120 **NAME:** JOHN BICKERSTAFF

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL/STL
OTHER:

QUALITY 2 CHECKED

INFO ONLY

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: FONTI **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 383720.99N/0900648.85W **TYPE:** RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	I-BKY	LOC		122.20	122.20		14.87		2600	6000
2	TROY	TOY	VORTAC	L	228.70	232.70	11.52	11.52		2600	17500
3	ST LOUIS	STL	VORTAC	H	128.40	129.40	22.44	22.44		2600	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BKY	LOC	R-122	15	4500	6000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	STL	VORTAC	128.40	308.40	R	1-1 1/2		5000	17500	8	17
2	SE		WP	128.40	308.40	R		6	5000	6000	8	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	ARCH (29-000289)	383729.00N/0901108.00W	1075	3C
1	310	ARCH (29-000289)	383729.00N/0901108.00W	1075	3C
2	230	ARCH (29-000289)	383729.00N/0901108.00W	1075	3C
2	310	ARCH (29-000289)	383729.00N/0901108.00W	1075	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TACAN RWY 12R	KSTL	ST LOUIS	MO (US)
1	ILS OR LOC RWY 12R	KSTL	ST LOUIS	MO (US)
2	RNAV (GPS) RWY 12R	KSTL	ST LOUIS	MO (US)
2	RNAV (RNP) Z RWY 12R	KSTL	ST LOUIS	MO (US)

REMARKS:
ST LOUIS (FAC 1) AND TROY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V238	1, 2, 3				(US)
IAP	ILS OR LOC RWY 12R	2, 3	1	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30L	1, 2, 3		KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 12R		2	KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 30L			KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 12R		2	KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 30L			KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 12R	2, 3	1	KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CHANGED MRA TO 2600 FOR FAC 1, 2, 3.
CHANGED MAA FAC 1 TO 6000 TO MATCH ESV.
ADDED ESV DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

QUALITY 2 CHECKED

INFO ONLY

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NAIRN **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385049.92N/0903408.68W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	I-LMR	LOC/DME		302.19	302.19	12.49	12.51		3600	5000
2	FORISTELL	FTZ	VORTAC	L	058.97	063.97		20.98		3600	17500
3	ST LOUIS	STL	VORTAC	H	257.78	258.78		4.14		3600	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
ST LOUIS (FAC 1) AND FORISTELL (FAC 2) USED TO ESTABLISH FIX COORDINATES
LMR DME COORDINATES: 384407.69N/0902039.90W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12R	1, 2, 3		KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) Y RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 12R			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED DISTANCES FROM FACILITY 1.
LMR DME FACILITY MOVED 337 FT SE.
LMR ILS FACILITY MOVED 263 FT SE.
ADDED COORDINATING FACILITIES.

DEVELOPED BY: **DATE:** 07/05/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (MARK BURTZ)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OBLIO LOM **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 384802.79N/0902827.82W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	OBLIO	LM	LOM								17500
2	ST LOUIS	I-LMR	LOC/DME		302.19	302.19	7.25	7.27	44192	2400	5000
3	ST LOUIS	STL	VORTAC	H	173.06	174.06		3.61		2400	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	LM	LOM	302.20	122.20	L	1		3000	6000	6	7
2	NW		WP	302.20	122.20	L		6	3000	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (29-000371)	384631.00N/0903048.00W	921	1A
2	230	TOWER (29-000371)	384631.00N/0903048.00W	921	1A
2	310	TOWER (17-001582)	390014.00N/0902958.00W	1150	5E

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) Y RWY 30L	KSTL	ST LOUIS	MO (US)
2	RNAV (RNP) Z RWY 30L	KSTL	ST LOUIS	MO (US)

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE OBLIO LOM.
ACTUAL FACILITY LOCATION IS 384801.19N/0902829.10W.
LMR DME COORDINATES: 384407.69N/0902039.90W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12R	1, 2, 3		KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30L	1, 2, 3	1	KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) Y RWY 30L		2	KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 30L		2	KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
LMR DME FACILITY MOVED 337 FT SE.
LMR ILS FACILITY MOVED 263 FT SE.
ADDED DISTANCE IN FEET FROM FAC FOR LMR.
CHANGED PAT 1 MIN/MAX TEMPLATE SIZE FROM 4/5 TO 6/7.

DEVELOPED BY: **DATE:** 07/05/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (MARK BURTZ)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PAULY **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385340.04N/0903956.56W **TYPE:** WP, RADAR, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	I-LMR	LOC/DME		302.19	302.19	17.83	17.85		4500	5500
2	FORISTELL	FTZ	VORTAC	L	044.97	049.97		18.69		4500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-LMR	LOC/DME	BRG-302	18	5000	5500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
ST LOUIS (FAC 1) AND FORISTELL (FAC 2) USED TO ESTABLISH FIX COORDINATES
LMR DME COORDINATES: 384407.69N/0902039.90W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 12R	1, 2		KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) Y RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 12R			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED DISTANCES FROM FACILITY 1.
LMR DME FACILITY MOVED 337 FT SE.
LMR ILS FACILITY MOVED 263 FT SE.
ADDED COORDINATING FACILITIES.

DEVELOPED BY: **DATE:** 07/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (MARK BURTZ)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

QUALITY 2 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SADEN **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385407.05N/0904424.74W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	STL	VORTAC	H	280.65	281.65	12.33	12.33		2400	17500
2	FORISTELL	FTZ	VORTAC	L	035.97	040.97		16.50		2400	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V4	1, 2				(US)
IAP	ILS OR LOC RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 8R			KSUS	ST LOUIS	MO (US)
IAP	NDB RWY 8R			KSUS	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 15			KFYG	WASHINGTON	MO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 10/22/2009

REASON FOR REVISION:
UPDATED FIX USE
DELETED FACILITY 3.
ADDED DIST FROM FAC TO FACILITIES 1 AND 2.

DEVELOPED BY: **DATE:** 06/02/2009 **OFFICE:** AVN-120 **NAME:** STEVEN SZUKALA (PATRICK HARRINGTON)

APPROVED BY: **DATE:** 08/06/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

QUALITY 2 CHECKED

INFO ONLY

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TROY VORTAC **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 384420.94N/0895506.93W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TROY	TOY	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	TOY	VORTAC	300.00	120.00	R	1		2300	6000	4	5
2	E	TOY	VORTAC	090.00	270.00	R	1		3000	6000	4	5
3	W		WP	262.00	082.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	ARCH (29-000289)	383729.00N/0901108.00W	1075	3C
1	200	TOWER (17-000440)	384101.37N/0900004.01W	1038	2C
2	200	TOWER (17-000590)	384706.00N/0895910.00W	1036	4D
3	200	TOWER (17-000440)	384101.37N/0900004.01W	1038	2C

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
EN ROUTE	V12					(US)
EN ROUTE	V191					(US)
EN ROUTE	V238					(US)
EN ROUTE	V4-52					(US)
EN ROUTE	V52-446					(US)
EN ROUTE	V69					(US)
EN ROUTE	V88					(US)
EN ROUTE	V4					IL (US)
IAP	ILS OR LOC RWY 29			KALN	ALTON/ST LOUIS	IL (US)
IAP	LOC BC RWY 11			KALN	ALTON/ST LOUIS	IL (US)
IAP	NDB RWY 17			KALN	ALTON/ST LOUIS	IL (US)
IAP	RNAV (GPS) RWY 17		3	KALN	ALTON/ST LOUIS	IL (US)
IAP	RNAV (GPS) RWY 29			KALN	ALTON/ST LOUIS	IL (US)
IAP	VOR-A			KALN	ALTON/ST LOUIS	IL (US)
IAP	ILS OR LOC RWY 14R			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC RWY 32R			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 14L			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 32L			KBLV	BELLEVILLE	IL (US)
IAP	RNAV (GPS) RWY 14L			KBLV	BELLEVILLE	IL (US)
IAP	RNAV (GPS) RWY 14R			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC RWY 30L			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	RNAV (GPS) RWY 30L			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	RNAV (GPS) RWY 30R			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	RNAV (GPS) RWY 18			KGRE	GREENVILLE	IL (US)
IAP	VOR OR GPS-A		1	K3K6	ST JACOB	IL (US)
IAP	VOR RWY 18			KSET	ST CHARLES	MO (US)
IAP	ILS OR LOC RWY 11			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12L		2	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12R		2	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 24			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 29			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30L			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30R		2	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 6			KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 11 (SIM CLOSE PAR) (CAT I, II, III)			KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 12L (SIM CLOSE PAR) (CAT I, II, III)		2	KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 29 (SIM CLOSE PAR)			KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 30R (SIM CLOSE PAR) (CAT I, II, III)		2	KSTL	ST LOUIS	MO (US)

QUALITY CHECKED 2

INFO ONLY

IAP	ILS RWY 11 (CAT II, III)		KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 12L (CAT II & III)	2	KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 30R (CAT II, III)	2	KSTL	ST LOUIS	MO (US)
IAP	LDA PRM RWY 30L (SIM CLOSE PAR)		KSTL	ST LOUIS	MO (US)
IAP	LDA/DME RWY 30L		KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 24		KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) Y RWY 12L	3	KSTL	ST LOUIS	MO (US)
IAP	RNAV (RNP) Z RWY 12L	3	KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 12R		KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 26L		KSUS	ST LOUIS	MO (US)
IAP	NDB RWY 26L		KSUS	ST LOUIS	MO (US)
STAR	FARMR (RNAV)		KALN	ALTON/ST LOUIS	IL (US)
STAR	BUUDD (RNAV)		KBLV	BELLEVILLE	IL (US)
STAR	CENTRALIA (RNAV)		KBLV	BELLEVILLE	IL (US)
STAR	FARMR (RNAV)		KBLV	BELLEVILLE	IL (US)
STAR	BUUDD (RNAV)		KCPS	CAHOKIA/ST LOUIS	IL (US)
STAR	FARMR (RNAV)		KCPS	CAHOKIA/ST LOUIS	IL (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	VANDALIA		KSTL	ST LOUIS	MO (US)
STAR	BUUDD (RNAV)		KSUS	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
FACILITY COORDINATES CHANGED TO NEW SURVEY DATA, UPDATED COORDINATES.
FIX MOVED 10.74 FT EAST.

DEVELOPED BY: **DATE:** 06/19/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER:

QUALITY 2 CHECKED

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

ILS OR LOC RWY 12R
ST. LOUIS/LAMBERT INTL
ST. LOUIS, MO

2. Waiver Required and Applicable Standard:

8260.19E, PARAGRAPH 4-6 (A); RUNWAY CENTERLINES ARE SEPARATED BY 1,200 FEET OR LESS.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

RWY 12R AND RWY 12L CENTERLINES ARE SEPARATED BY 1300 FEET. THE SIDESTEP PROCEDURE AND ITS ASSOCIATED LINE OF MINIMUMS PROVIDES ANOTHER FLEXIBLE OPTION FOR PILOTS TO LAND ON RWY 12L, SINCE THERE ARE NO SIMULTANEOUS OPERATIONS FOR RWY 12L AND RWY 12R.

4. Equivalent Level of Safety Provided:

THE SIDESTEP RUNWAY IS 3050 FEET STAGGERED FROM THE PRIMARY RUNWAY. THIS DISTANCE SHOULD ALLOW AMPLE TIME FOR THE PILOT TO SAFELY CONDUCT THE SIDESTEP MANEUVER. THE SIDESTEP RUNWAY IS ALSO EQUIPPED WITH FULL APPROACH AND RUNWAY LIGHTING SYSTEMS THAT SUPPORT CAT II/III OPERATIONS AND WILL AID THE PILOT WITH RUNWAY ALIGNMENT IN THE SIDESTEP MANEUVER.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

NO RELOCATED NAVAIDS. SIDESTEP IS A VISUAL MANEUVER.

6. Coordination With User Organizations (Specify):

AJV-353.

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	MANAGER, TERMINAL PRODUCTS GROUP	GREG YAMAMOTO

8. CONTINUATION
Comments:

9. AFS ACTION	☐ Approved ☐ Disapproved ☐ Not Required

Comments:

Date:	Routing Symbol:	Signature: