

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
ELANR	FIVE	ELANR5.ELANR	FOUR	06/25/2015	

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**AURORA MUNI:**

**TAKEOFF RWY 9:** CLIMB HEADING 090.14 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 15:** CLIMB HEADING 147.71 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 18:** CLIMB HEADING 180.95 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 27:** CLIMB HEADING 270.15 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 33:** CLIMB HEADING 327.71 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 36:** CLIMB HEADING 000.95 TO 1220, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...

**DUPAGE:**

**TAKEOFF RWY 2L, 2R:** CLIMB HEADING 015.01 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 10:** CLIMB HEADING 097.02 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 15:** CLIMB HEADING 148.56 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 20L, 20R:** CLIMB HEADING 195.02 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 28:** CLIMB HEADING 277.03 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 33:** CLIMB HEADING 328.57 TO 1260, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...

**GARY/CHICAGO INTL:**

**TAKEOFF RWY 2:** CLIMB HEADING 022.18 TO 1100, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 12:** CLIMB HEADING 125.15 TO 1100, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 20:** CLIMB HEADING 202.19 TO 1100, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 30:** CLIMB HEADING 305.16 TO 1100, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...

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**TAKEOFF RWY 2:** CLIMB HEADING 014.73 TO 1180, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 9:** CLIMB HEADING 088.73 TO 1180, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 20:** CLIMB HEADING 194.73 TO 1180, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...  
**TAKEOFF RWY 27:** CLIMB HEADING 268.74 TO 1180, THEN AS ASSIGNED BY ATC, FOR VECTORS TO EARND, THENCE ...

... ON TRACK 173.52 TO ELANR, THEN ON (TRANSITION), MAINTAIN 3000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
EMEGE	ELANR5.EMEGE	ELANR	EMMLY	TRACK 169.51	45.98	5000	2300	
		EMMLY	ETAME	TRACK 145.36	34.29	5000	2300	
		ETAME	EMEGE	TRACK 148.67	19.24	5000	2400	
EMMLY	ELANR5.EMMLY	ELANR	EMMLY	TRACK 169.51	45.98	5000	2300	

QUALITY  
3  
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ELANR			FIVE	ELANR5.ELANR	FOUR		06/25/2015	
ERECO	ELANR5.ERECO	ELANR	EMMLY	TRACK 169.51	45.98	5000	2300	
		EMMLY	ERECO	TRACK 161.22	29.53	5000	2100	

**PROCEDURAL DATA NOTES:**

**NOTE:** RADAR REQUIRED.

**NOTE:** DME/DME/IRU OR GPS REQUIRED.

**NOTE:** RNAV 1.

**NOTE:** TURBOJET DEPARTURES MAINTAIN 250 KIAS UNTIL ADVISED BY ATC.

**NOTE:** EMMLY TRANSITION: FOR AIRCRAFT INBOUND TO INDIANAPOLIS TERMINAL AREA, OR ASSIGNED BY ATC.

**TAKEOFF MINIMUMS:**

**AURORA MUNI:**

**RWY 9, 15, 18, 27, 33, 36:** STANDARD.

**DUPAGE:**

**RWY 2L, 2R, 10, 20L, 20R, 28, 33:** STANDARD.

**RWY 15:** 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 1000.

**GARY/CHICAGO INTL:**

**RWY 2:** STANDARD WITH MINIMUM CLIMB OF 323 FT PER NM TO 2700.

**RWY 12:** STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 2700.

**RWY 20:** STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 2700.

**RWY 30:** STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 2700.

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**RWY 9, 20, 27:** STANDARD.

**RWY 2:** STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1200.

**TAKEOFF OBSTACLES NOTES:**

**AURORA MUNI:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**DUPAGE:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**GARY/CHICAGO INTL:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**LEWIS UNIVERSITY:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

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**CONTROLLING OBSTACLES:**

**DUPAGE:**

**RWY 15:** 927 FT MSL TOWER 415354.25N, 0881314.62W.

**GARY/CHICAGO INTL:**

**RWY 2:** 791 FT MSL STACK 413757.67N/0872408.22W, 823FT MSL STACK 413821.50N/0872425.23W.

**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 20** - 1096 FT MSL TOWER 413358.15N/0872506.13W.

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**RWY 2:** 1087 FT MSL STACK 413759.00N/0880344.00W, 875 FT MSL TOWER 413755.00N/0880541.00W, 876 FT MSL TOWER 413755.97N/0880541.31W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KDPA 1W EPOCH YR: 1985.

DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHART:** MEA/MOCA FROM EARND TO ELANR, 5000/2200.

**PILOT NAVIGATION AREA:**

7NM ARC CENTERED ON EARND (IF), CW

FROM: POINT A (BEARING 129 DEGREES TO EARND)

TO: POINT B (BEARING 219 DEGREES TO EARND)

MINIMUM ALTITUDE - 5000

**ALL AIRPORTS - CHART:** TOP ALTITUDE: 3000

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DUPAGE (KDPA)	CHICAGO/WEST CHICAGO	IL
AURORA MUNI (KARR)	CHICAGO/AURORA	IL
GARY/CHICAGO INTL (KGYG)	GARY	IN
LEWIS UNIVERSITY (KLOT)	CHICAGO/ROMEOVILLE	IL

**COMMUNICATIONS:**

ATIS, GND CON, TWR, DEP CON

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

PER ATC, INITIAL CLIMB TO 3000 NECESSARY FOR SEPARATION. AIRCRAFT WILL BE AT/ABOVE 5000 BY EARND.



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ELANR	FIVE	ELANR5.ELANR	FOUR	06/25/2015	

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

LONNIE EVERHART (DALE SICKELS)

OFFICE SYMBOL:

DATE:

AJV-5400

04/16/2018

APPROVED BY:

LONNIE EVERHART

OFFICE SYMBOL:

DATE:

AJV-5400

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA



OTHER:

ZAU, CHICAGO APP CON, GYY ATCT, ARR ATCT, DPA ATCT, AMGR

CHANGES - REASONS:

1. REMOVED TAKEOFF OBSTACLE NOTES ALL AIRPORTS - PER CRITERIA MEMO DATED 12/27/17.
2. UPDATED KDPA TAKEOFF MINIMUMS - NEW CONTROLLING OBSTACLE.
3. ADDED KDPA CONTROLLING OBSTACLE TO CONTROLLING OBSTACLES - CONTROLLING OBSTACLE NOW REQUIRES CLIMB GRADIENT.

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ELANR		FIVE		ELANR5.ELANR		FOUR		06/25/2015	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
<b>AURORA MUNI</b>									
<b>RW09 (AER)</b>	414612.55N/0882907.31W	N	-	-	-	-			
1220 MSL	-	-	-	VA	089.14	-			
-	-	-	-	VM	089.14	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW15 (AER)</b>	414648.10N/0882910.16W	N	-	-	-	-			
1220 MSL	-	-	-	VA	146.71	-			
-	-	-	-	VM	146.71	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW18 (AER)</b>	414635.69N/0882817.82W	N	-	-	-	-			
1220 MSL	-	-	-	VA	179.95	-			
-	-	-	-	VM	179.95	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW27 (AER)</b>	414613.51N/0882741.52W	N	-	-	-	-			
1220 MSL	-	-	-	VA	269.15	-			
-	-	-	-	VM	269.15	-			

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ELANR		FIVE		ELANR5.ELANR		FOUR		06/25/2015	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW33 (AER)</b>	414602.66N/0882830.30W	N	-	-	-	-			
1220 MSL	-	-	-	VA	326.71	-			
-	-	-	-	VM	326.71	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW36 (AER)</b>	414604.10N/0882817.78W	N	-	-	-	-			
1220 MSL	-	-	-	VA	359.95	-			
-	-	-	-	VM	359.95	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>DUPAGE</b>									
<b>RW02L (AER)</b>	415338.51N/0881512.77W	N	-	-	-	-			
1260 MSL	-	-	-	VA	014.01	-			
-	-	-	-	VM	014.01	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			

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ELANR		FIVE		ELANR5.ELANR		FOUR		06/25/2015	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
<b>RW02R (AER)</b>	415336.07N/0881459.71W	N	-	-	-	-			
1260 MSL	-	-	-	VA	014.01	-			
-	-	-	-	VM	014.01	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW10 (AER)</b>	415448.52N/0881530.55W	N	-	-	-	-			
1260 MSL	-	-	-	VA	096.02	-			
-	-	-	-	VM	096.02	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW15 (AER)</b>	415509.20N/0881444.64W	N	-	-	-	-			
1260	-	-	-	VA	147.56	-			CG 205 FT PER NM TO 1000
-	-	-	-	VM	147.56	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW20L (AER)</b>	415437.90N/0881439.06W	N	-	-	-	-			
1260 MSL	-	-	-	VA	194.02	-			
-	-	-	-	VM	194.02	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			

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ELANR		FIVE		ELANR5.ELANR		FOUR		06/25/2015			
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52					
RW20R (AER)	415451.08N/0881448.52W	N	-	-	-	-					
1260 MLS	-	-	-	VA	194.02	-					
-	-	-	-	VM	194.02	-					
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-					
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52					
RW28 (AER)	415443.60N/0881428.07W	N	-	-	-	-					
1260 MSL	-	-	-	VA	276.03	-					
-	-	-	-	VM	276.03	-					
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-					
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52					
RW33 (AER)*	415442.45N/0881421.88W*	N	-	-	-	-			*DISPL THLD (190 FT)		
1260 MSL	-	-	-	VA	327.57	-					
-	-	-	-	VM	327.57	-					
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-					
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52					
GARY/CHICAGO INTL											
RW02 (AER)	413644.22N/0872506.30W	N	-	-	-	-					

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
1100 MSL	-	-	-	VA	021.18	-			CG 323 FT PER NM TO 2700
-	-	-	-	VM	021.18	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW12 (AER)</b>	413727.14N/0872538.36W	N	-	-	-	-			
1100 MSL	-	-	-	VA	124.15	-			CG (ATC) 330 FT PER NM TO 2700
-	-	-	-	VM	124.15	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW20 (AER)</b>	413717.41N/0872449.15W	N	-	-	-	-			
1100 MSL	-	-	-	VA	201.19	-			CG 350 FT PER NM TO 2700
-	-	-	-	VM	201.19	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW30 (AER)</b>	413638.00N/0872401.85W	N	-	-	-	-			
1100 MSL	-	-	-	VA	304.16	-			CG (ATC) 320 FT PER NM TO 2700
-	-	-	-	VM	304.16	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
<b>LEWIS UNIVERSITY</b>									
<b>RW02 (AER)</b>	413557.23N/0880603.23W	N	-	-	-	-			
1180 MSL	-	-	-	VA	013.73	-			CG 420 FT PER NM TO 1200
-	-	-	-	VM	013.73	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW09 (AER)</b>									
<b>RW09 (AER)</b>	413628.93N/0880616.00W	N	-	-	-	-			
1180 MSL	-	-	-	VA	087.73	-			
-	-	-	-	VM	087.73	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW20 (AER)</b>									
<b>RW20 (AER)</b>	413659.61N/0880542.92W	N	-	-	-	-			
1180 MSL	-	-	-	VA	193.73	-			
-	-	-	-	VM	193.73	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
<b>RW27 (AER)*</b>									
<b>RW27 (AER)*</b>	413631.08N/0880503.66W*	N	-	-	-	-			*DISPL THLD (196 FT)
1180 MSL	-	-	-	VA	267.74	-			

QUALITY  
3  
CHECKED

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
ELANR		FIVE		ELANR5.ELANR		FOUR		06/25/2015	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
-	-	-	-	VM	267.74	-			
EARND	412531.00N/0873420.00W	Y	FB	DF	-	-			
ELANR	411206.00N/0873200.00W	Y	FB	TF	172.52	13.52			
ELANR	411206.00N/0873200.00W	Y	-	IF	-	-			ELANR5.EMEGE
EMMLY	402700.00N/0872000.00W	Y	FB	TF	168.51	45.98			
ETAME	395904.00N/0865400.00W	Y	FB	TF	144.35	34.29			
EMEGE	394247.00N/0864040.00W	Y	FB	TF	147.67	19.24			
ELANR	411206.00N/0873200.00W	Y	-	IF	-	-			ELANR5.EMMLY
EMMLY	402700.00N/0872000.00W	Y	FB	TF	168.51	45.98			
ELANR	411206.00N/0873200.00W	Y	-	IF	-	-			ELANR5.ERECO
EMMLY	402700.00N/0872000.00W	Y	FB	TF	168.51	45.98			
ERECO	395911.00N/0870700.00W	Y	FB	TF	160.22	29.53			

QUALITY  
3  
CHECKED