

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
<b>BRIDGEHAVEN</b>	<b>NINE</b>	<b>BHAVN9.BDR</b>	<b>EIGHT</b>	<b>01/12/2012</b>	

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

**IGOR I. SIKORSKY MEMORIAL (BDR)**

**TAKEOFF RWY 6:** CLIMB HEADING 058.00, THENCE...

**TAKEOFF RWY 11:** CLIMB HEADING 110.83, THENCE...

**TAKEOFF RWY 24:** CLIMB HEADING 238.01, THENCE...

**TAKEOFF RWY 29:** CLIMB HEADING 290.84, THENCE...

... EXPECT VECTORS TO ASSIGNED ROUTE/FIX. MAINTAIN 2000. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (10) MINUTES AFTER DEPARTURE.

**TWEED-NEW HAVEN (HVN)**

**TAKEOFF RWY 2:** CLIMB HEADING 015.92, THENCE...

**TAKEOFF RWY 14:** CLIMB HEADING 144.17, THENCE...

**TAKEOFF RWY 20:** CLIMB HEADING 195.91, THENCE...

**TAKEOFF RWY 32:** CLIMB HEADING 324.19, THENCE...

... EXPECT VECTORS TO ASSIGNED ROUTE/FIX. MAINTAIN 2000. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (10) MINUTES AFTER DEPARTURE.

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

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** RADAR REQUIRED.

**NOTE:** BEADS DEPARTURES EXPECT VECTORS TO MAD R-182.

**NOTE:** COATE DEPARTURES EXPECT VECTORS TO SAX/SAX R-311.

**NOTE:** ELIOT AUTHORIZED FOR ALL AIRCRAFT TYPES BUT RESTRICTED TO A FINAL ALTITUDE OF 14000 OR 16000.

**NOTE:** NEWEL AUTHORIZED ONLY FOR JET AIRCRAFT REQUESTING A FINAL ALTITUDE OF FL 180 AND ABOVE.

**NOTE:** ZIMMZ AUTHORIZED FOR ALL AIRCRAFT TYPES BUT RESTRICTED TO A FINAL ALTITUDE OF FL 180 AND ABOVE.

**TAKEOFF MINIMUMS:**

**IGOR I. SIKORSKY MEMORIAL (BDR)**

**RWY 6, 11, 24:** STANDARD. **RWY 29,** 600-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 700.

**TWEED-NEW HAVEN (HVN)**

**RWY 14, 20,** STANDARD. **RWY 2,** 300–1 WITH MINIMUM CLIMB OF 340 FT PER NM TO 400. **RWY 32,** 400-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 600.



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**TAKEOFF OBSTACLES NOTES:**

**IGOR I. SIKORSKY MEMORIAL (BDR)**

**NOTE: RWY 6**, FENCE 14 FT FROM DER, 95 FT LEFT OF CENTERLINE, 17 FT AGL/18 FT MSL. VEHICLES ON ROAD BEGINNING 79 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/25 FT MSL.

**NOTE: RWY 11**, VEHICLES ON ROAD BEGINNING 195 FT FROM DER, 127 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/28 FT MSL. VEHICLES ON ROAD AND POLES BEGINNING 207 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/73 FT MSL.

**NOTE: RWY 24**, VEHICLES ON ROAD BEGINNING 484 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/25 FT MSL.

**NOTE: RWY 29**, BUILDING 555 FT FROM DER, 622 FT RIGHT OF CENTERLINE, 57 FT AGL/59 FT MSL. STACK 2.2 NM FROM DER, 275 FT LEFT OF CENTERLINE, 497 FT AGL/512 FT MSL.

**TWEED-NEW HAVEN (HVN)**

**NOTE: RWY 2**, TRANSMISSION LINE TOWERS BEGINNING 846 FT FROM DER, 356 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/65 FT MSL. BUILDING 124 FT FROM DER, 525 FT RIGHT OF CENTERLINE, 53 FT AGL/64 FT MSL. TREES 1276 FT FROM DER, 817 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/239 FT MSL. TREES 3755 FT FROM DER, 1494 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/289 FT MSL.

**NOTE: RWY 14**, TERRAIN, BUILDINGS, AND POLES BEGINNING 777 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/69 FT MSL. TERRAIN, VEHICLES ON ROAD, TOWER, BUILDINGS, AND POLES BEGINNING 429 FT FROM DER, 143 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/94 FT MSL.

**NOTE: RWY 20**, POLE 68 FT FROM DER, 498 FT RIGHT OF CENTERLINE, 16 FT AGL/42 FT MSL.

**NOTE: RWY 32**, POLE AND TREES BEGINNING 1121 FT FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/149 FT MSL. CONTROL TOWER, POLES, AND TREES BEGINNING 617 FT FROM DER, 139 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/149 FT MSL. TREES 2777 FT FROM DER, 1143 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/169 FT MSL. STACK 1.1 NM FROM DER, 2227 FT RIGHT OF CENTERLINE, 394 FT AGL/404 FT MSL.

**CONTROLLING OBSTACLES:**

**IGOR I. SIKORSKY MEMORIAL (BDR)**

**RWY 29:** 512 FT MSL STACK 411014.00N/0731102.00W.

**TWEED-NEW HAVEN (HVN)**

**RWY 2:** 239 FT MSL TREES 411630.05N/0725323.80W. 289 FT MSL TREES 411654.85N/0725331.00W. 229 FT MSL TREES 411707.90N/0725329.70W. 235 FT MSL TRANSMISSION LINE TOWER 411734.11N/0725328.69W. 1549 FT MSL TOWER 412522.20N/0725704.90W. **RWY 32:** 169 FT MSL TREES 411628.00N/0755342.70W. 404 FT MSL TREES 411702.12N/0725412.82W. 1549 FT MSL TOWER 412522.20N/0725704.90W.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**CHART:** MAD R-182 AT BEADS, SAX R-311 AT COATE.  
All Airports – CHART: TOP ALTITUDE: 2000

**AIRPORTS SERVED:**

IGOR I. SIKORSKY MEMORIAL  
TWEED-NEW HAVEN

BRIDGEPORT, CT  
NEW HAVEN, CT

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**COMMUNICATIONS:**

ATIS, CLEARANCE DEL, GROUND CONTROL, TOWER, NY DEP CON

**FIXES AND/OR NAVAIDS:**

BDR VOR/DME, BWZ VOR/DME, CMK VOR/DME, DPK VOR/DME, JFK VOR/DME, MAD VOR/DME, SBJ VOR/DME, SAX VORTAC, BEADS, BIGGY, COATE, ELIOT, GAYEL, GREKI, HAAYS, LANNA, NEION, NEWEL, PARKE, SOARS, WHITE, ZIMMZ.

**REMARKS:**

**FLIGHT INSPECTED BY:** *Digitally signed by*  
**MARLON J ROBINSON**  
FLIGHT INSPECTION NOT REQUIRED  
GEORGE E. DAVIS, MANAGER Mar 02, 2016

8/11/2011

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:** *Digitally signed by*  
**MARVIN E WHITE**  
MARVIN WHITE Jan 20, 2016

AJV-5443

01/20/2016

**APPROVED BY:** *Digitally signed by*  
GEORGE E. DAVIS **MARLON J ROBINSON** Mar 02, 2016

AJV-5440

**COORDINATED WITH:**  
ATA, ALPA, APA, AOPA, NBAA, ZNY, N90, BDR ATCT, HVN ATCT, ARPT MGR

**CHANGES:**

ADDED All Airports – CHART: TOP ALTITUDE: 2000

**REASONS:**

ATC REQUEST.



# DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BRIDGEHAVEN	NINE	BHAVN9 . BDR	EIGHT	01/12/2012	

ARINC SUMMARY - KBDR

## ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW06	010		VM	FB		058.0								E
RW11	010		VM	FB		110.8								E
RW24	010		VM	FB		238.0								E
RW29	010		VM	FB		290.8								E

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW06	N410925.36	W0730755.04	00006
RW11	N410958.46	W0730805.86	00008
RW24	N410955.80	W0730714.75	00006
RW29	N410952.54	W0730708.93	00006



# DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BRIDGEHAVEN	NINE	BHAVN9 . BDR	EIGHT	01/12/2012	

ARINC SUMMARY - KHVN

## ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW02	010		VM	FB		015.9								E
RW14	010		VM	FB		144.2								E
RW20	010		VM	FB		195.9								E
RW32	010		VM	FB		324.2								E

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW02	N411521.78	W0725317.69	00006
RW14	N411559.08	W0725321.64	00005
RW20	N411613.56	W0725314.20	00009
RW32	N411539.79	W0725252.41	00005

