Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: DP	Date Open: 05/26/2010	Task #: 2010052625454002001	Request #: 20100526254540
Procedure: DP BOWIE MD KW00 AMDT 2		Airport ID: KW00	Airport: FREEWAY		Reimbursable #:
City: BOWIE	ST: MD	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID:	Fac. Type: Proc T	Specialist: PETER GUIMOND			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/21/2011	03/06/2012	MARLON ROBINSON	P2
QA:	03/06/2012	03/08/2012	DAVID PUGLISI	
Liaison:	03/08/2012		Terrell	APPROVAL REQUEST

Procedure Comments:

Remark Type: INFORMATION

Pg 3 of 3

BOWIE, MD FREEWAY (KW00) TAKEOFF DEP/MINS, AMDT 2 ENROUTE-NO FC: 6.12.12 PUB: 7.26.12

ATTACHED FORMS: 8260-15A.

CONTACT: DON SMITH, AJV-352 LEAD, 405.954.1036:

NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14

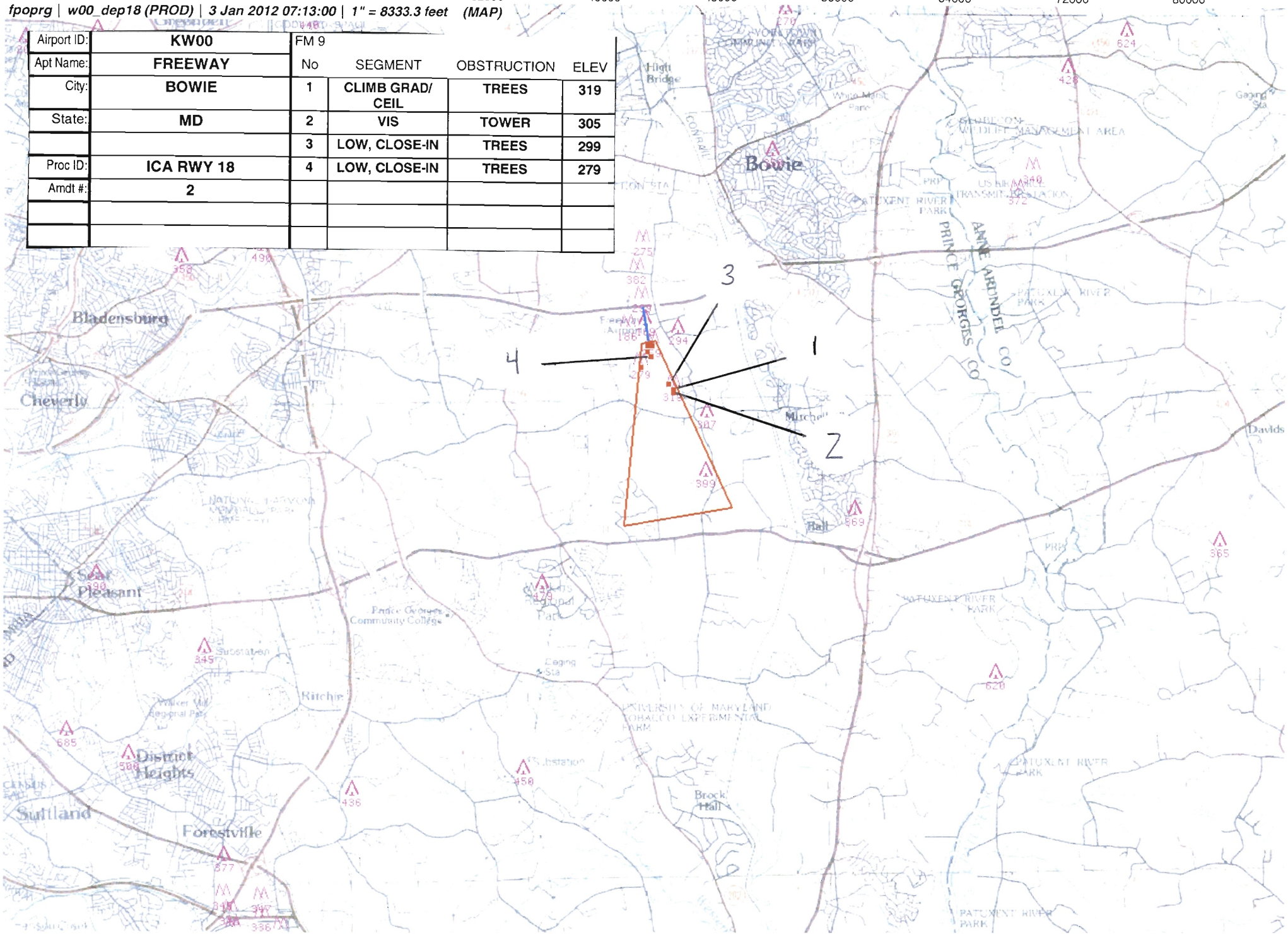
FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000

fpoprg | w00_dep18 (PROD) | 3 Jan 2012 07:13:00 | 1" = 8333.3 feet (MAP)

Airport ID:	KW00
Apt Name:	FREEWAY
City:	BOWIE
State:	MD
Proc ID:	ICA RWY 18
Amdt #:	2

FM 9

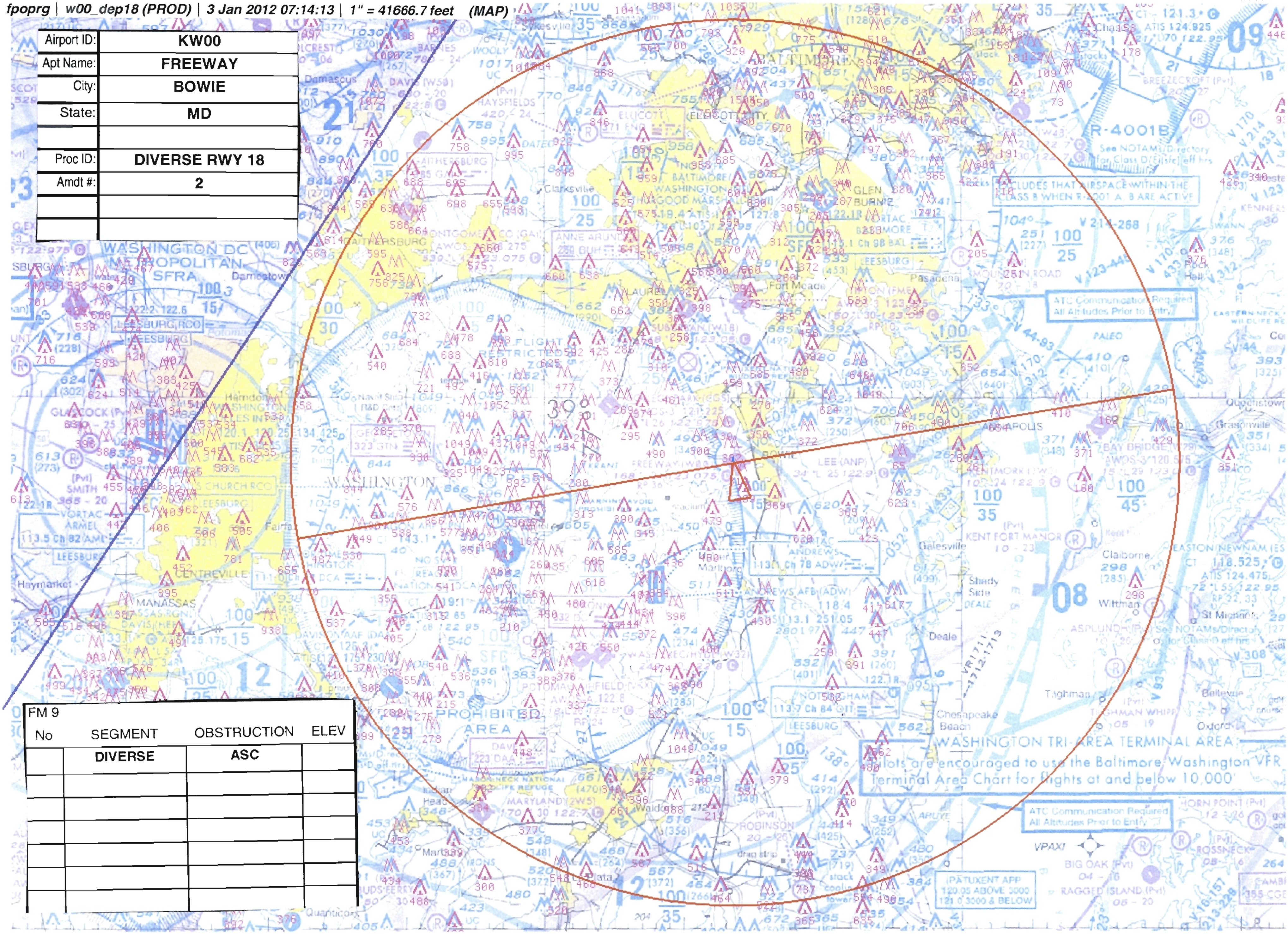
No	SEGMENT	OBSTRUCTION	ELEV
1	CLIMB GRAD/ CEIL	TREES	319
2	VIS	TOWER	305
3	LOW, CLOSE-IN	TREES	299
4	LOW, CLOSE-IN	TREES	279



NM	7	14	21	28	35	42	49	56	63	70
FT	42000	84000	126000	168000	210000	252000	294000	336000	378000	420000

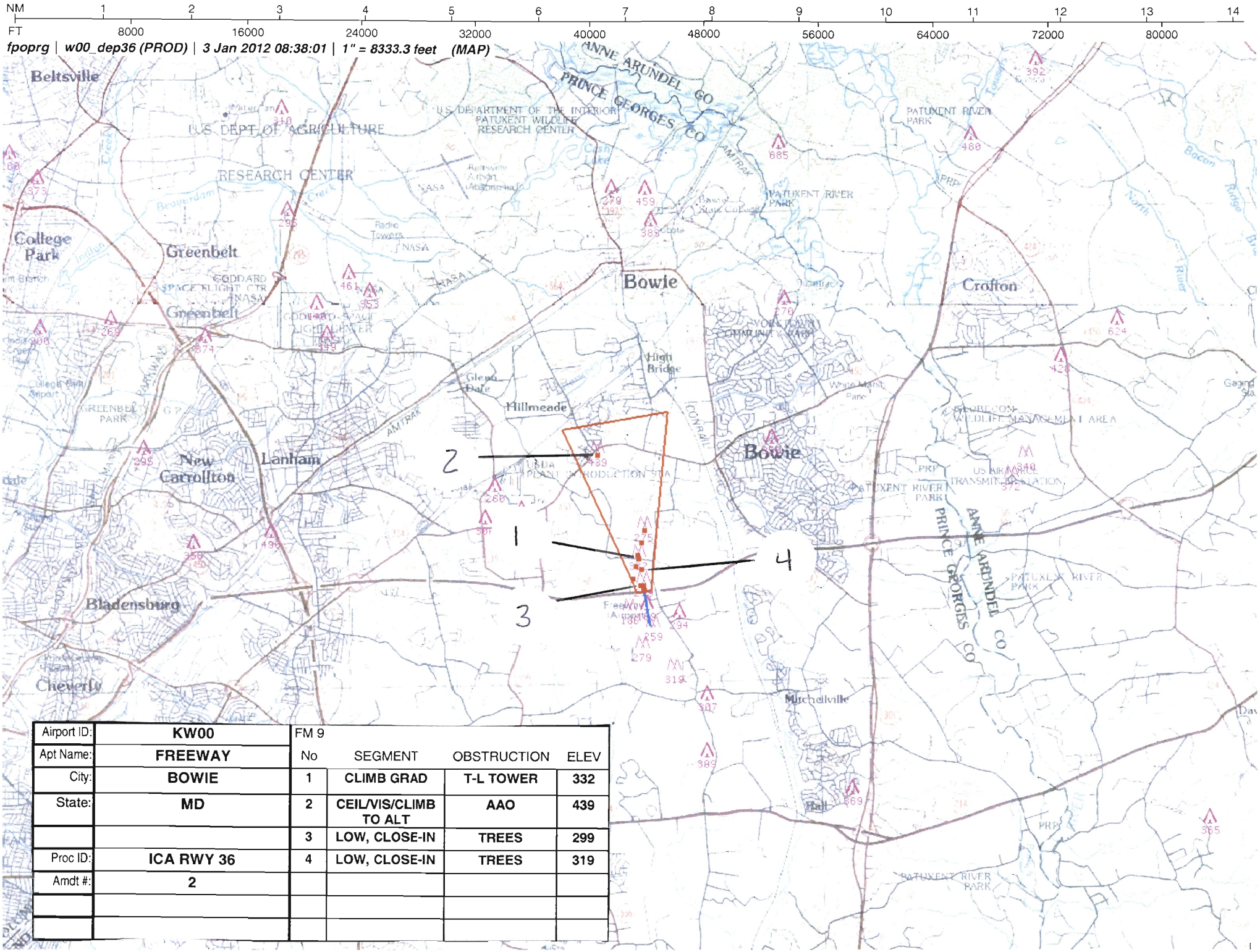
fpoprg | w00_dep18 (PROD) | 3 Jan 2012 07:14:13 | 1" = 41666.7 feet (MAP)

Airport ID:	KW00
Apt Name:	FREEWAY
City:	BOWIE
State:	MD
Proc ID:	DIVERSE RWY 18
Amdt #:	2



FM 9

No	SEGMENT	OBSTRUCTION	ELEV
	DIVERSE	ASC	



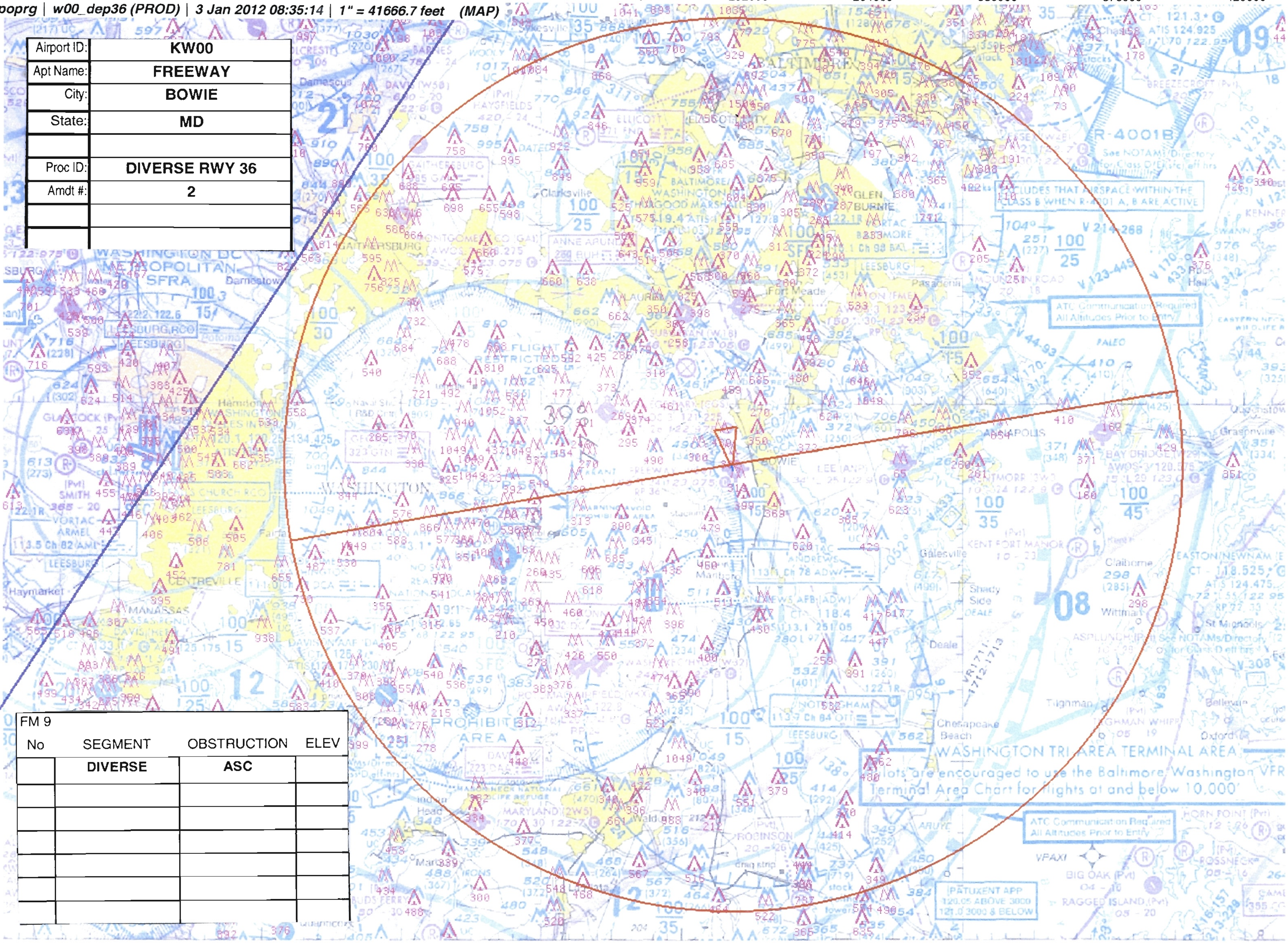
Airport ID:	KW00	FM 9			
Apt Name:	FREEWAY	No	SEGMENT	OBSTRUCTION	ELEV
City:	BOWIE	1	CLIMB GRAD	T-L TOWER	332
State:	MD	2	CEIL/VIS/CLIMB TO ALT	AAO	439
		3	LOW, CLOSE-IN	TREES	299
Proc ID:	ICA RWY 36	4	LOW, CLOSE-IN	TREES	319
Amdt #:	2				

NM 7 14 21 28 35 42 49 56 63 70

FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000

fpoprg | w00_dep36 (PROD) | 3 Jan 2012 08:35:14 | 1" = 41666.7 feet (MAP)

Airport ID:	**KW00**
Apt Name:	**FREEWAY**
City:	**BOWIE**
State:	**MD**
Proc ID:	**DIVERSE RWY 36**
Amdt #:	**2**



FM 9

No	SEGMENT	OBSTRUCTION	ELEV
	DIVERSE	**ASC**	

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.

City, State	Airport	Effective Date	Amdt. No.
BOWIE, MD	FREEWAY		2

TAKEOFF MINIMUMS:

RWY 18, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 400.

RWY 36, 300–2 OR STANDARD WITH MINIMUM CLIMB OF 725 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 138 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/299 FT MSL. TREES BEGINNING 220 FT FROM DER, 119 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/279 FT MSL. TREES 3468 FT FROM DER, 1125 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/319 FT MSL. TOWER 3699 FT FROM DER, 1126 FT LEFT OF CENTERLINE, 125 FT AGL/305 FT MSL.

NOTE: RWY 36, VEHICLES ON ROAD, TREES, AND TRANSMISSION LINE TOWERS BEGINNING 107 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/299 FT MSL. VEHICLES ON ROAD, TREES, AND TRANSMISSION LINE TOWERS BEGINNING 112 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/319 FT MSL. TRANSMISSION LINE TOWER 2610 FT FROM DER, 3 FT LEFT OF CENTERLINE, 133 FT AGL/332 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 319 FT MSL TREES 385545.25N/0764556.50W. 305 FT MSL TOWER 385543.00N/0764556.00W.

RWY 36: 332 FT MSL TRANSMISSION LINE TOWER 385706.14N/0764628.81W. 439 FT MSL AAO 385815.30N/0764704.60W.

REMARKS:

RWY 36 CONTROLLING OBSTACLE (332 MSL TRANSMISSION LINE TOWER, 24-001034) EVALUATED WITH 4D AC (SEE 2005-AEA-1789-OE)

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
BOWIE, MD	FREEWAY		2

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

PETER R. GUIMOND AJV-352 01/07/2012

APPROVED BY:

DARRYEL ADAMS AJV-352

COORDINATED WITH:

AOPA, NBAA, ZDC, POTOMAC APP CON, AMGR

CHANGES:

1. AMENDED AIRPORT CITY NAME FROM MITCHELVILLE TO BOWIE.
2. AMENDED RWY 18 TAKEOFF MINIMUMS FROM 300-1 OR STANDARD WITH MINIMUM CLIMB OF 295 FT PER NM TO 500 TO 300-1 OR STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 400.
3. AMENDED RWY 36 TAKEOFF MINIMUMS FROM 300-1 OR STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600 TO 300-2 OR STANDARD WITH MINIMUM CLIMB OF 725 FT PER NM TO 600.
4. DELETED NOTE TO CROSS DER AT OR ABOVE 35 FT AGL/203 FT MSL.
5. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 18 AND RWY 36.
6. AMENDED CONTROLLING OBSTACLES FOR RWY 18 AND RWY 36.

REASONS:

1. EASTERN FPT REQUEST.
2. NEW OBSTACLE STUDY. CLIMB GRADIENT COMPUTED FROM DER ELEVATION VICE 35 FEET ABOVE DER.
3. NEW OBSTACLE STUDY. CLIMB GRADIENT COMPUTED FROM DER ELEVATION VICE 35 FEET ABOVE DER AND WITH 4D ACCURACY ADJUSTMENT TO CONTROLLING OBSTACLE.
4. NO LONGER AUTHORIZED.
5. NEW OBSTACLE STUDY.
6. NEW OBSTACLE STUDY. FORMATTED IAW FAAO 8260.46

QUALITY CHECKED

Federal Aviation Administration

Memorandum

Date:

To: Manager, Flight Procedure Standards

From: Gregory Yamamoto
Manager, Terminal Products Group

Subject: **ACTION:** Approval Request

Takeoff Minimums and Obstacle Departure Procedure (ODP) Rwy 36, Freeway, Bowie, MD (W00).

Climb gradient exceeds 500 feet per NM, 8260.46D, paragraph 2-1d(2).

A 332 MSL transmission line in the ICA requires a climb of 725 ft per NM to 600 after applying a 4D accuracy adjustment. Additionally, a 439 MSL adverse assumption obstacle in the ICA penetrates the 40:1 surface and increases the required ceiling/vis for the procedure to 300-2. Because of the location of the obstacles in the ICA, a departure route to avoid them can't be constructed.

Rwy 18/36 is 2420 feet long. The airport is used primarily by single engine propeller aircraft. FAA Form 5010 for the airport lists 73 single engine and 2 multi-engine aircraft based there.

Request to publish the following minimums: 300-2 or standard with minimum climb of 725 ft per NM to 600. If disapproved, recommend publishing a ceiling/vis of 300-2.

Attachments