Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 10/29/2026	APWS Task ID: A1CB1C96E6864305957D9A2176F7D33C	APWS Project ID: 86F7A18CFC2B47C08769B9F3545364FC
Procedure: BRDWK ONE (RNAV) MYRTLE BEACH		Enroute: YES	Specialist: Kuklish, Thomas		Agreement Number:
Airport ID: KMYR			Airport City: MYRTLE BEACH	*Digitally signed by* ***TARA N MARTINELLI***	State: SC
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot		Aug 14, 2026	

Procedure Comments:

REASON FOR PROJECT: CREATE A NEW STAR (BRDWK) TO BETTER ASSIST ATC IN THE SEQUENCING OF ARRIVAL/DEPARTURE AIR TRAFFIC.

LOA (1): DG.

POC: TARA MARTINELLI AJV-432, 405-954-8376.

82602 SKYWL
08/24/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/14/2026.
CORRECTED STATE FROM "OA" TO "SC".
CORRECTED ICAO REGION CODE TO K7.

QUALITY 16 CHECKED

QUALITY 38 CHECKED

06/08/2026

QUALITY 14 CHECKED

QUALITY 38 CHECKED

Data as of: 04/22/2026 09:58:30 CDT

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
BRDWK (RNAV) ONE ARRIVAL	MYRTLE BEACH INTL	KMYR	AG-07-088-26

FAC ID: BRDWK1	CITY: MYRTLE BEACH	ST: SC	ORIG CHART DATE: 10/29/2026

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		A1CB1C96E6864305957D9A2176F7D33C

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
07/31/2026	VN387	N90	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
justus r bray @ 08/04/2026 09:12	BRAY, JUSTUS ROBERT	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☒ SAT ☐ UNSAT	david c-ctr cook @ 08/05/2026 07:30	Dave Cook

SPECIALIST REMARKS:
Procedure SAT for DME/DME/IRU flight.

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
BRDWK (RNAV) ONE ARRIVAL	MYRTLE BEACH INTL	KMYR	AG-07-088-26

FAC ID: BRDWK1	CITY: MYRTLE BEACH	ST: SC	ORIG CHART DATE: 10/29/2026

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		A1CB1C96E6864305957D9A2176F7D33C

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
07/31/2026	VN387	N90	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
justus r bray @ 08/04/2026 09:12	BRAY, JUSTUS ROBERT	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☐ SAT ☐ UNSAT		

SPECIALIST REMARKS:

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

Federal Aviation Administration

Memorandum

Date: December 16, 2025

To: Christopher Hope, Manager, Flight Technologies and Procedures Division
THRU: Romana Wolf, Manager, Flight Procedures and Airspace Group

From: Bev Bordy, Manager, Instrument Flight Procedures Coordination Team, AJV-A45

Prepared by: Miles H. Carpenter, Sr. ATC Specialist, NAVTAC CTR Support

Subject: Approval Request: Myrtle Beach International Airport (KMYR)
BRDWK (RNAV) STAR

CHONT to CCYOU Segment

Per FAA Order 8260.3, 2-2-8. a.:

2-2-8. Descent Gradient (DG). Calculate DGs between fixes with an altitude restriction by using the guidance in this paragraph and the calculation methods in section 2-9. When deceleration is required, also use paragraphs 2-2-9 and 2-2-10. The DG past the termination fix of the STAR is not calculated as part of the STAR design; the overall airspace design should optimize the location and altitude for the STAR termination fix and that becomes an input to the STAR design.

a. The maximum DG (see figure 2-2-1) is based on altitude, deceleration, and airspeed constraints, as follows:

(1) The maximum permissible DG 10000 feet MSL and above is 330 ft/NM (approximately 3.11 degrees).

(2) The maximum permissible DG below 10000 feet MSL is 318 ft/NM (approximately 3.0 degrees).

(3) When a STAR contains a descent between fixes that passes through 10000 feet MSL, the maximum permissible DG is between 318 ft/NM and 330 ft/NM and is in proportion to the amount of the altitude change that is below/above 10000 feet MSL. Use formula 2-2-1 to determine the maximum DG (*DGmax*) between fixes that contain a descent that passes through 10000 feet MSL.

(4) Gradient after deceleration to 220 KIAS. After a speed restriction of 220 KIAS or less is used, for subsequent fixes along the route of the STAR the maximum permissible descent gradient is 250 ft/NM (approximately 2.36 degrees).

(6) If more than one of paragraphs 2-2-8.a(1) through 2-2-8.a(5) applies, use the lower of the resulting values for the maximum DG.

b. When a gradient exceeds the maximum DG allowed in paragraph 2-2-8.a, the STAR requires approval (see paragraph 1-4-2).

Formula 2-2-1. Maximum DG Passing Through 10000 Feet MSL (ft/NM)

$$DGmax = \frac{(Alt_1 - 10000) \times 12}{(Alt_1 - Alt_2)} + 318$$

Where:
Alt_1 = Altitude at the fix prior to crossing 10000 feet MSL
Alt_2 = Altitude at the fix after crossing 10000 feet MSL

TARGETS Reference Software computed a descent gradient of 483.28 FT/NM for the segment from CHONT (at or below 11,000 feet) to CCYOU (at or above 4,000 feet), over a distance of 14.48 NM. This value exceeds the established criteria, which stipulate that the descent gradient should not exceed 319.71 FT/NM.

If the DG is calculated from the first point with a mandatory altitude, BRDWK at 11000 feet and 250 KIAS and evaluated to CHONT at or above 4000, the resulting descent gradient is 265.20 FT/NM.

Descent, Distance and Deceleration Tool

Tool for Establishing Altitude and Speed Restrictions

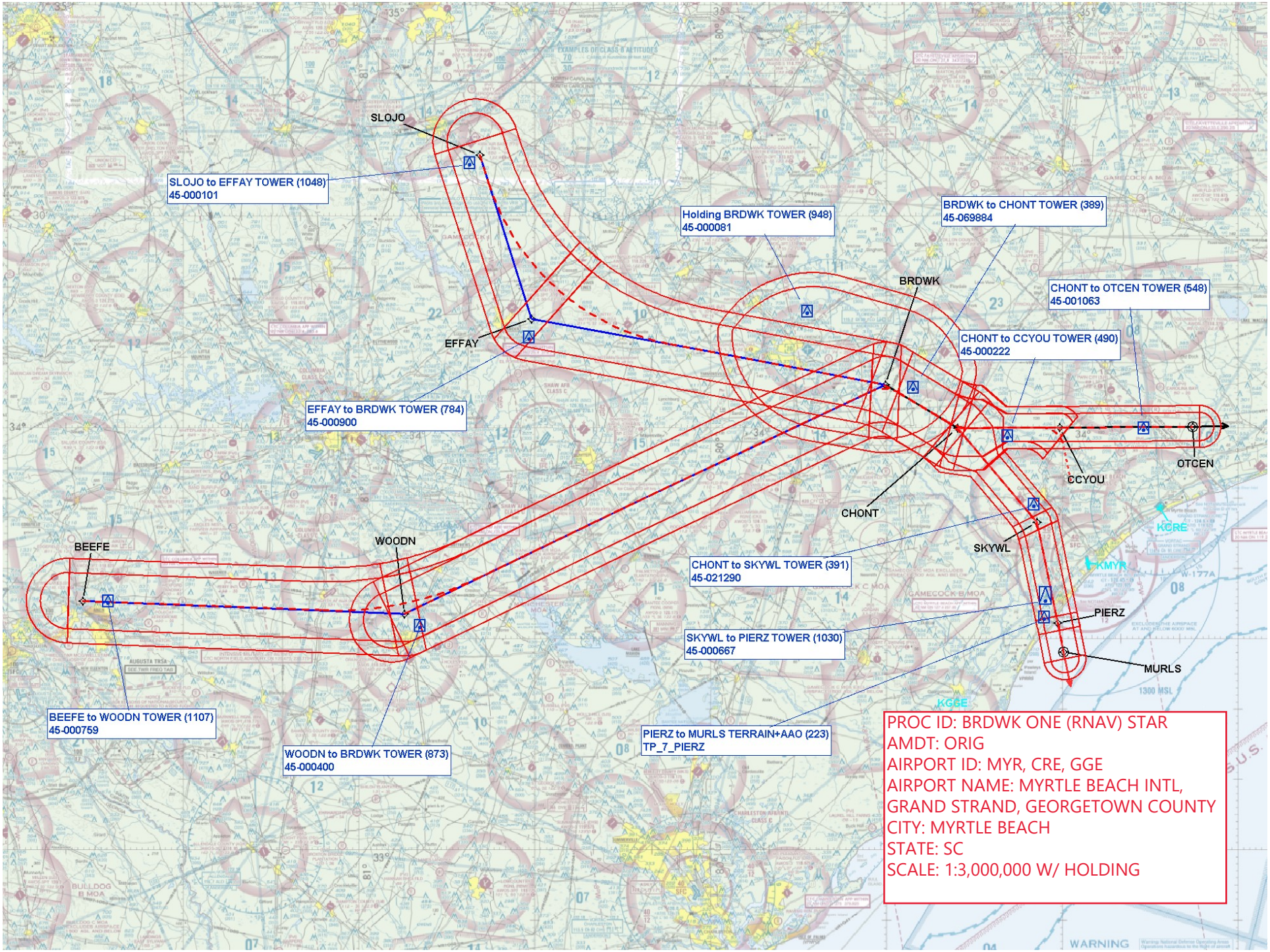
Enter distance between waypoints **(D)**	**26.40**	NM
Enter beginning altitude **(a)**	**11,000**	FT
Enter ending altitude **(b)**	**4,000**	FT
Enter beginning speed	**250**	KIAS
Enter ending speed	**250**	KIAS
Calculated Descent Gradient (DG)	**265.152**	FT / NM
Calculated speed loss **(x)**	**0**	Knots
Calculated Speed Adjusted Descent Gradient	**265.2**	**FT / NM**
Leg Angle	**2.5°**	

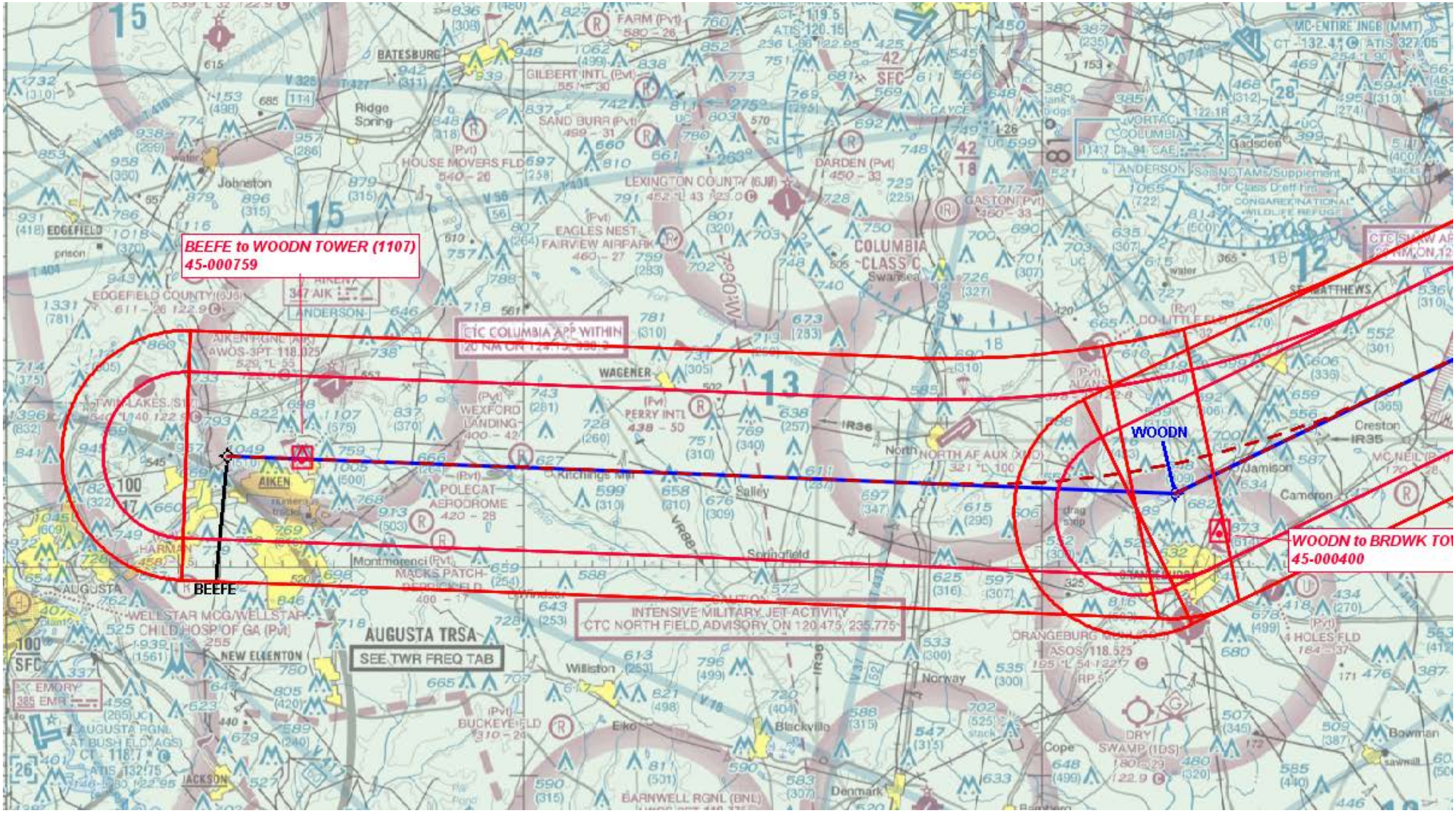
While the initial computed descent gradient from CHONT to CCYOU exceeds the 319.71 FT/NM limit, discussion with industry during design meetings, there were no objections to the altitude constraints and confirmed the descent gradient is well within limits of aircraft that will use the procedure.

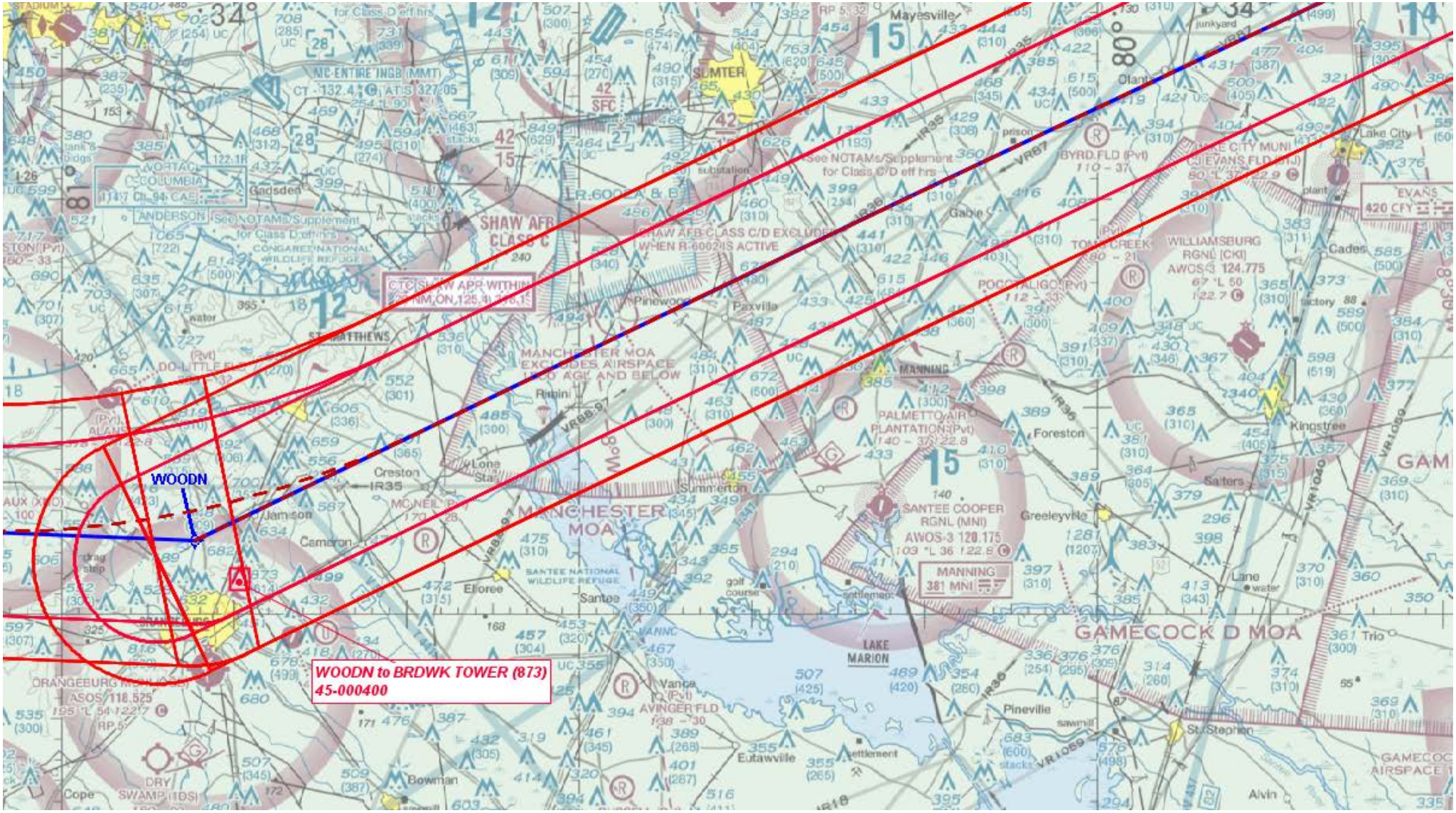
Consideration was given to relocating CCYOU; however, this would adversely impact the newly connected RNAV and ILS approaches that originate at CCYOU. Similarly, relocating CHONT was discussed, but this would significantly affect multiple traffic flows within the MYR

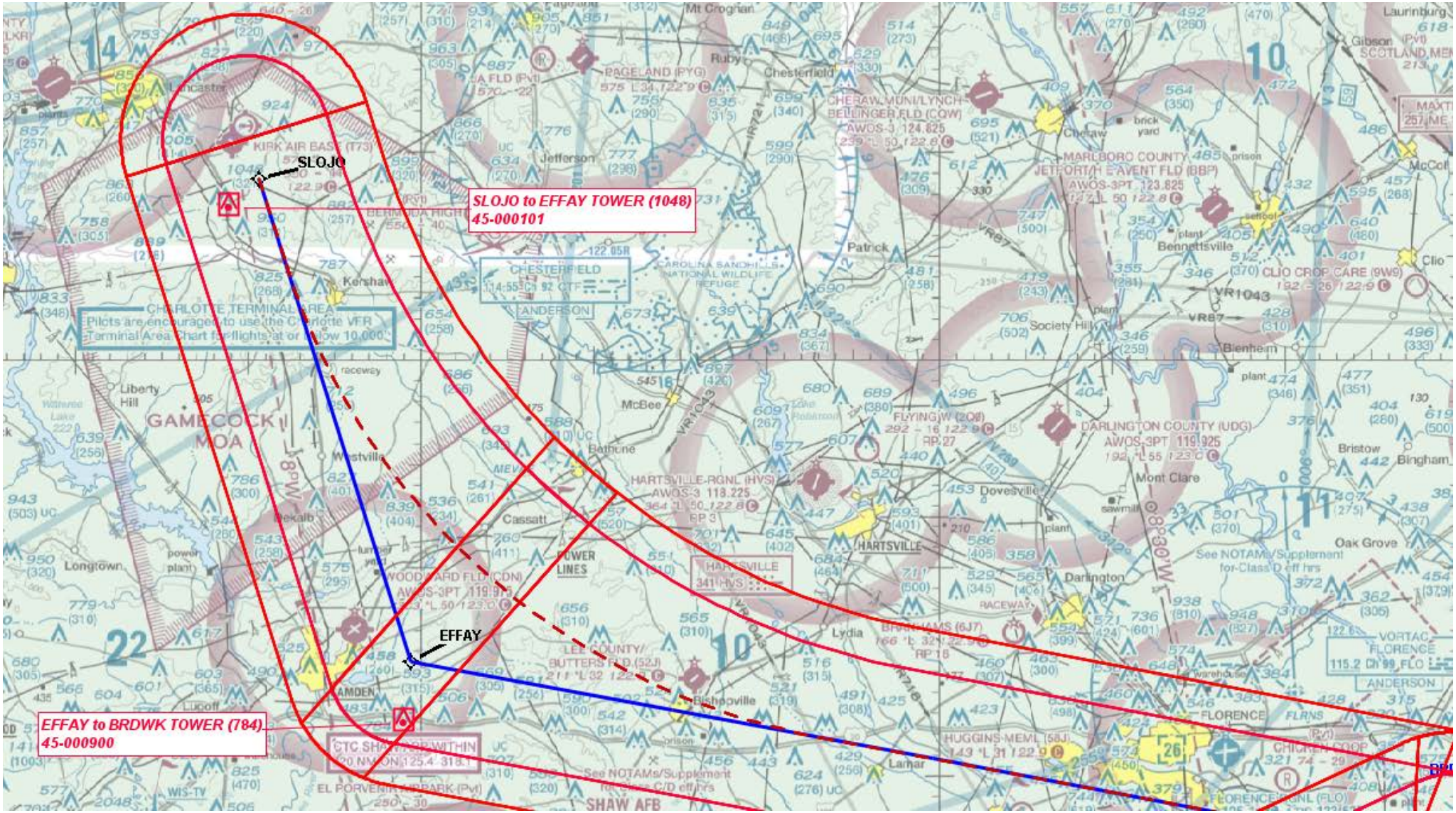
Terminal Area, leading to increased controller workload and the potential introduction of safety risks.

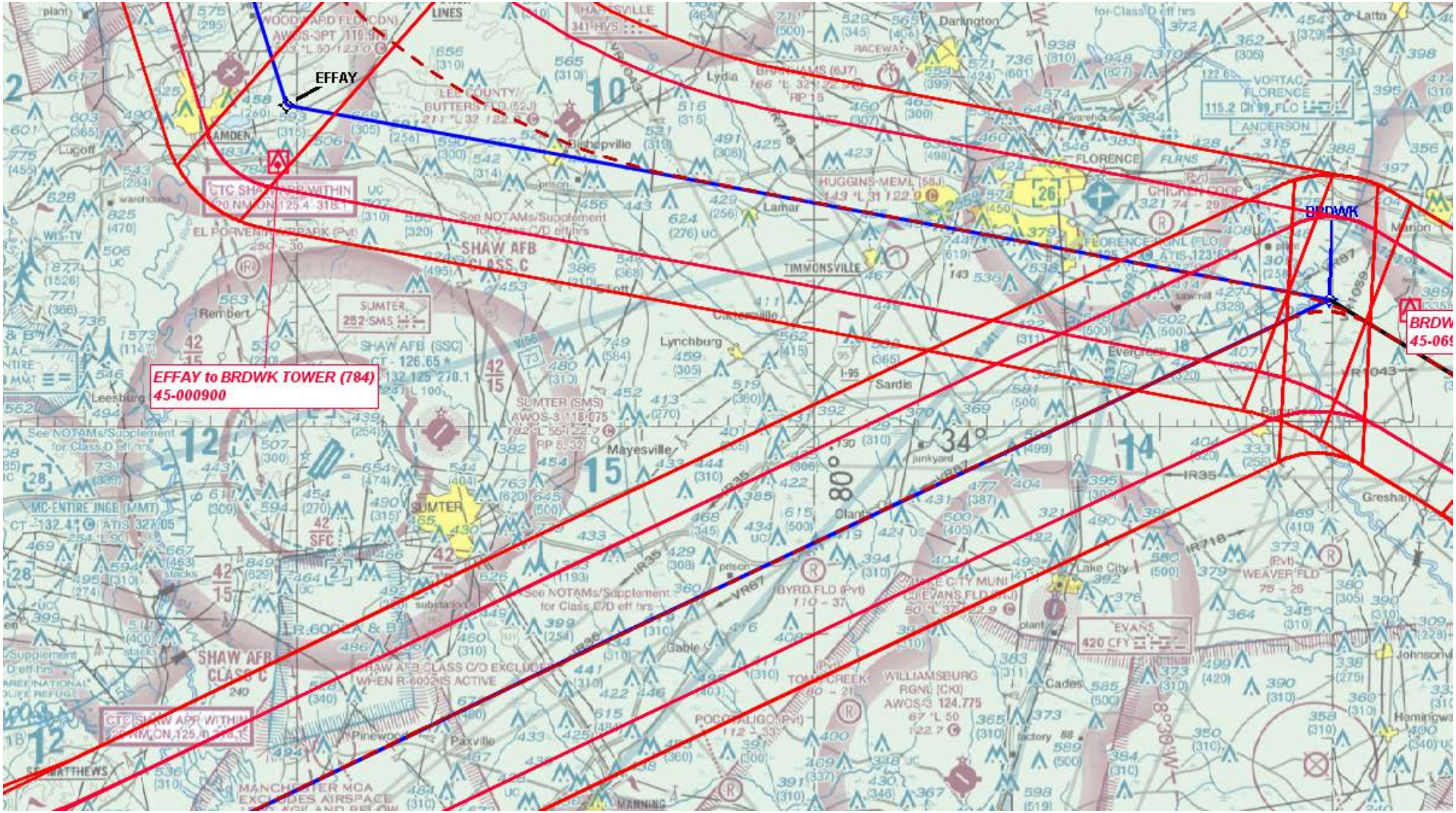
In light of the above analysis and operational constraints, Myrtle Beach ATCT respectfully requests approval to chart the BRDWK ARRIVAL as currently designed. This procedure ensures continued procedural integrity, maintains safety, and minimizes operational disruptions within the terminal area.

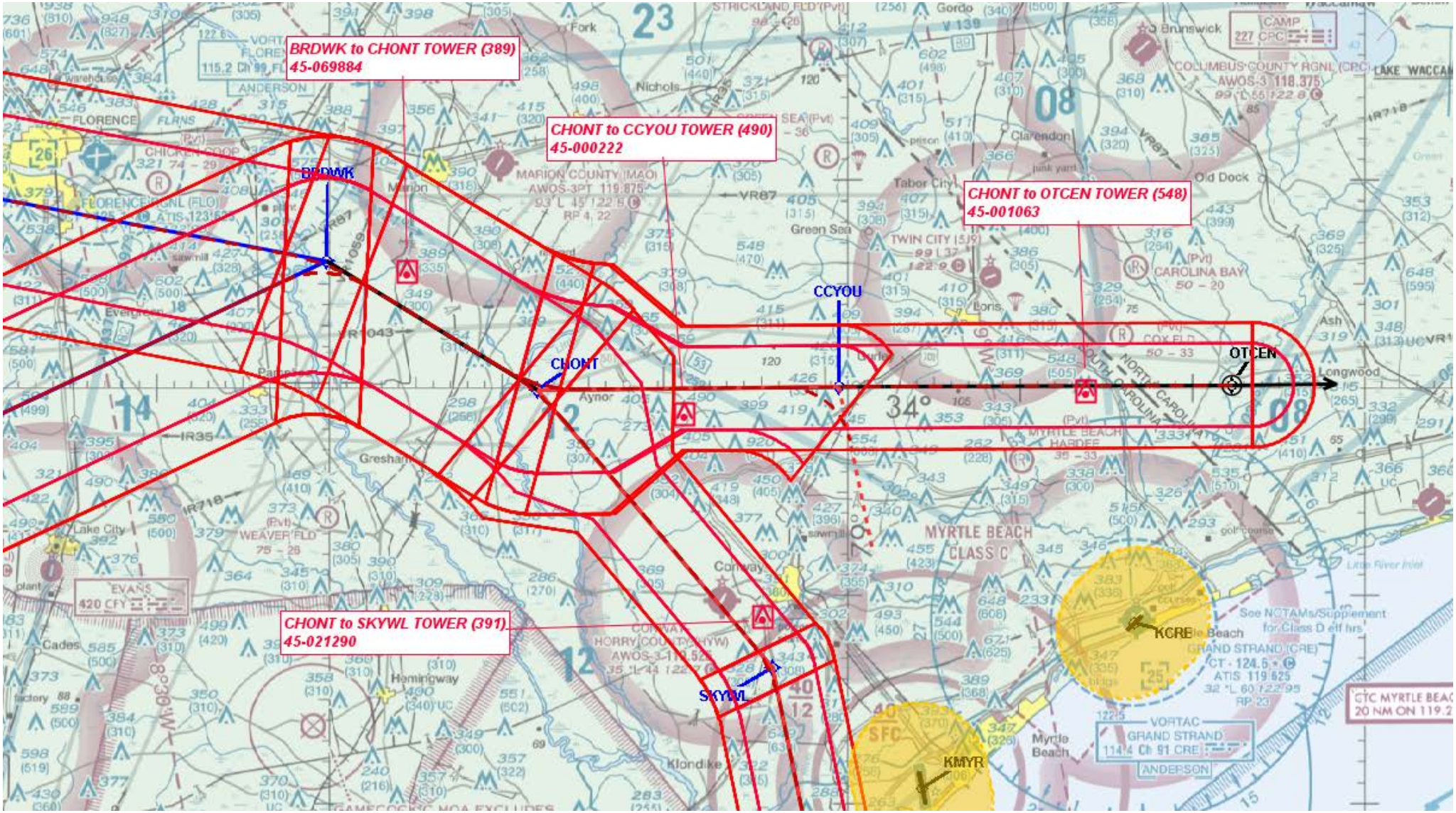

SLOJO
SLOJO to EFFAY TOWER (1048)
45-000101
Holding BRDWK TOWER (948)
45-000081
BRDWK to CHONT TOWER (389)
45-069884
BRDWK
CHONT to OTCEN TOWER (548)
45-001063
CHONT to CCYOU TOWER (490)
45-000222
EFFAY
EFFAY to BRDWK TOWER (784)
45-000900
OTCEN
CCYOU
CHONT
SKYWL
KCRE
KMYR
BEEFE
WOODN
CHONT to SKYWL TOWER (391)
45-021290
PIERZ
SKYWL to PIERZ TOWER (1030)
45-000667
MURLS
BEEFE to WOODN TOWER (1107)
45-000759
WOODN to BRDWK TOWER (873)
45-000400
PIERZ to MURLS TERRAIN+AAO (223)
TP_7_PIERZ
KGGE
PROC ID: BRDWK ONE (RNAV) STAR
AMDT: ORIG
AIRPORT ID: MYR, CRE, GGE
AIRPORT NAME: MYRTLE BEACH INTL,
GRAND STRAND, GEORGETOWN COUNTY
CITY: MYRTLE BEACH
STATE: SC
SCALE: 1:3,000,000 W/ HOLDING

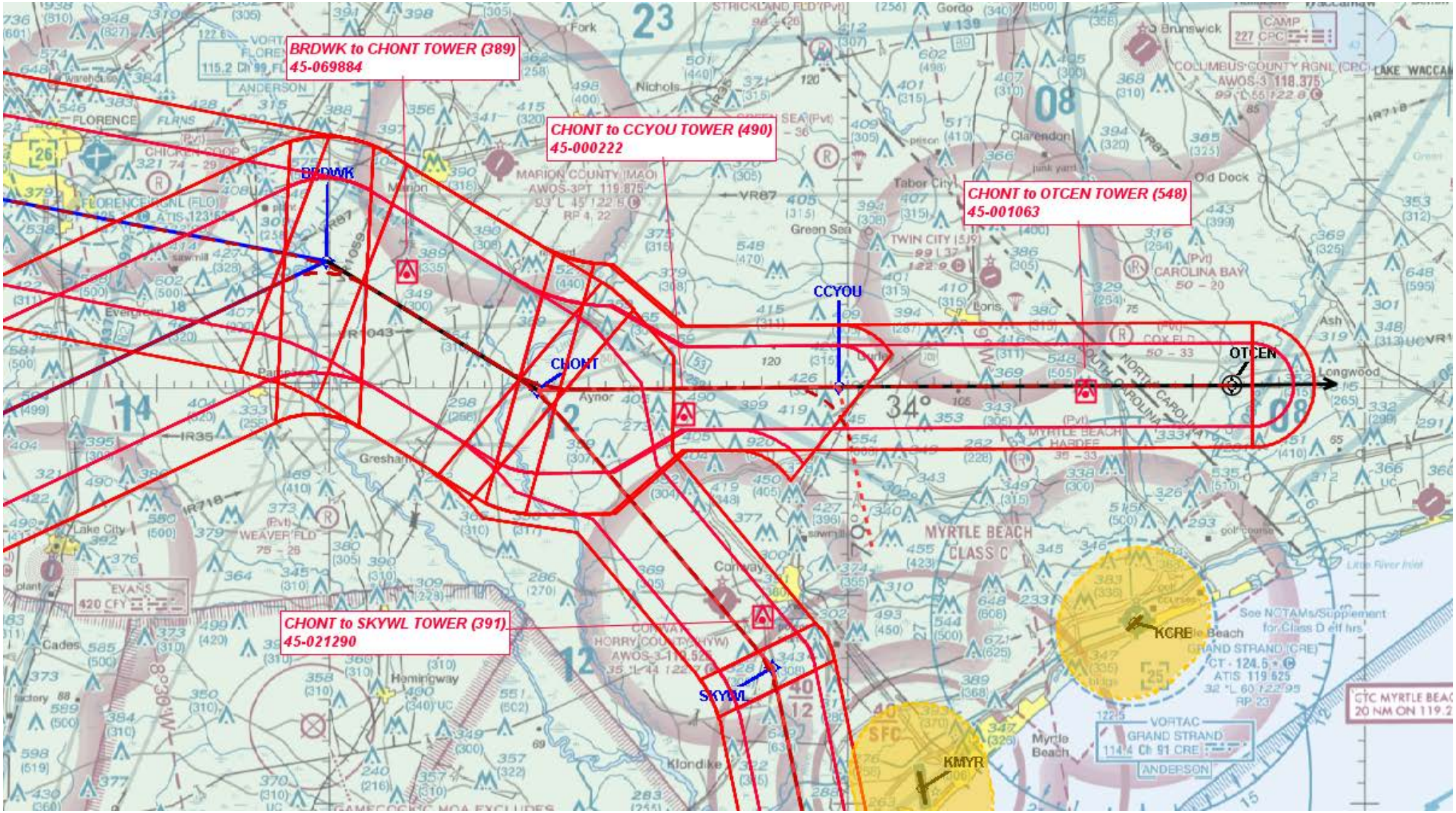

BEEFE to WOODN TOWER (1107)
45-000759
WOODN
WOODN to BRDWK TO
45-000400
CTC COLUMBIA APP WITHIN
20 NM ON 124.15
INTENSIVE MILITARY JET ACTIVITY
CTC NORTH FIELD ADVISORY ON 120.475, 235.775
AUGUSTA TRSA
SEE TWR FREQ TAB
BEEFE
AIKEN
COLUMBIA
CLASS C
WAGENER
Salley
Springfield
Williston
Norway
Blackville
Denmark
Eko
Cope
Bowman
Jamison
Cameron
Creston
Gadsden
Swansea
Johnston
Ridge Spring
Montmorenci
Kitchings Mill
North
Orangeburg
Barnwell
Augusta
New Ellenton
Jackson
Edgefield
Batesburg

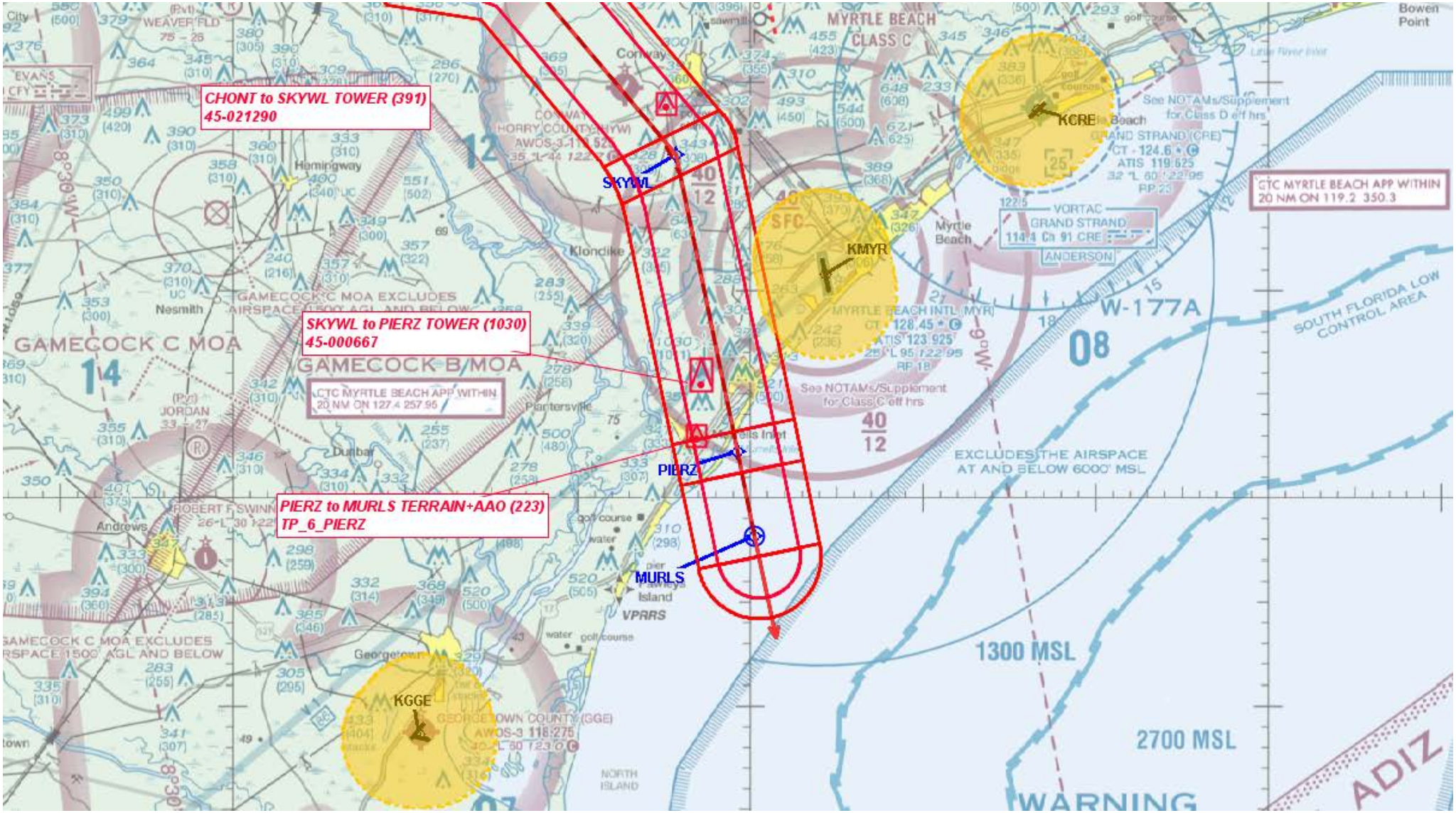

WOODN
WOODN to BRDWK TOWER (873)
45-000400
MANCHESTER MOA
GAMECOCK D MOA
SHAW AFB CLASS C
MANNING
SANTEE COOPER RGNL (MNI)
LAKE MARION
SUMTER
Gadsden
Creston
Jamison
Cameron
Elloree
Santee
Summerton
Foreston
Greeleyville
Pineville
St. Stephen
Eutawville
Bowman
Cope
Alvin
Kingstree
Lake City
Cades
Pinewood
Paxville
Ridgeland
Vance
Lane
Trio
Salters


SLOJO
SLOJO to EFFAY TOWER (1048)
45-000101
EFFAY
EFFAY to BRDWK TOWER (784)
45-000900
CHARLOTTE TERMINAL AREA
Pilots are encouraged to use the Charlotte VFR Terminal Area Chart for flights at or below 10,000'
GAMECOCK MOA
CHESTERFIELD
ANDERSON
HARTSVILLE-RGNL (HVS)
DARLINGTON COUNTY (UDG)
FLORENCE
SHAW AFB


EFFAY
EFFAY to BRDWK TOWER (784)
45-000900
BRDWK
SHAW AFB
CLASS C
SUMTER
252 SMS
SHAW AFB (SSC)
CT 126.65
SUMTER (SMS)
AWOS-3 118.075
MC-ENTIRE JNGE (MMT)
CT 132.4
ATIS 327.05
SHAW AFR
CLASS C
SHAW A F B CLASS C/D EXCLUDED
WHEN R-6002 IS ACTIVE
MANCHESTER MOA
EXCLUDES AIRSPACE
CTC SHAW APP WITHIN
20 NM ON 125.4 318.1
SHAW AFB CLASS C/D
WHEN R-6002 IS ACTIVE
See NOTAMs/Supplement
for Class C/D eff hrs
See NOTAMs/Supplement
for Class D eff hrs
See NOTAMs/Supplement
for Class C/D eff hrs
BYRD FLD (Pvt)
EVANS
420 CFY
WILLIAMSBURG
RGNL (CKI)
AWOS-3 124.775
HUGGINS MEML (58J)
FLORENCE
VORTAC
FLORENCE
ANDERSON
Darlington
Lydia
Lamar
Timmonsville
Lynchburg
Sardis
Mayesville
Olanta
Lake City
Cades
Gable
Pinewood
Paxville
Rembert
Leesburg
Lucoff
Latta
Marion
Greshan
Johnsonv
Hemingwa
IR35
IR718
VR67
R-6002A & B
80°
34°


BRDWK to CHONT TOWER (389)
45-069884
CHONT to CCYOU TOWER (490)
45-000222
CHONT to OTCEN TOWER (548)
45-001063
CHONT to SKYWL TOWER (391)
45-021290
BRDWK
CCYOU
CHONT
OTCEN
SKYWL
KCRE
KMYR
34°
MYRTLE BEACH
CLASS C
FLORENCE
Marion
Nichols
Clarendon
Conway
Aynor
Green Sea
Tabor City
Loris
Longwood
Lake City
Hemingway
Klondike
Myrtle Beach
Old Dock
Gordo
Fork
Gresham
Cades
Evergreen
Ash
Little River Inlet
MARION COUNTY (MAO)
AWOS-3PT 119.875
COLUMBUS COUNTY RGNL (CPC)
AWOS-3 118.375
CONWAY (HYW)
AWOS-3 119.525
GRAND STRAND (CRE)
CT 124.5
ATIS 119.625
VORTAC
GRAND STRAND
ANDERSON
CTC MYRTLE BEACH
20 NM ON 119.2
See NOTAMs/Supplement for Class D eff hrs
MYRTLE BEACH HARDEE
CAROLINA BAY
TWIN CITY (5J9)
WEAVER FLD
EVANS
FLORENCE RGNL (FLO)
ATIS 123.65
VR043
IR35
IR718
VR87
VR99
VR135
V139
CAMP
227 CPC


BRDWK to CHONT TOWER (389)
45-069884
CHONT to CCYOU TOWER (490)
45-000222
CHONT to OTCEN TOWER (548)
45-001063
CHONT to SKYWL TOWER (391)
45-021290
BRDWK
CCYOU
CHONT
OTCEN
SKYWL
KCRE
KMYR
34°
MYRTLE BEACH
CLASS C


CHONT to SKYWL TOWER (391)
45-021290
SKYWL
SKYWL to PIERZ TOWER (1030)
45-000667
PIERZ
PIERZ to MURLS TERRAIN+AAO (223)
TP_6_PIERZ
MURLS
MYRTLE BEACH
CLASS C
KCRE
KMYR
KGGE
GAMECOCK C MOA
GAMECOCK B MOA
CTC MYRTLE BEACH APP WITHIN 20 NM ON 119.2 350.3
CTC MYRTLE BEACH APP WITHIN 20 NM ON 127.4 257.95
W-177A
SOUTH FLORIDA LOW CONTROL AREA
EXCLUDES THE AIRSPACE AT AND BELOW 6000' MSL
1300 MSL
2700 MSL
WARNING
VPRRS