

**RUNWAY APPROACH DATA**

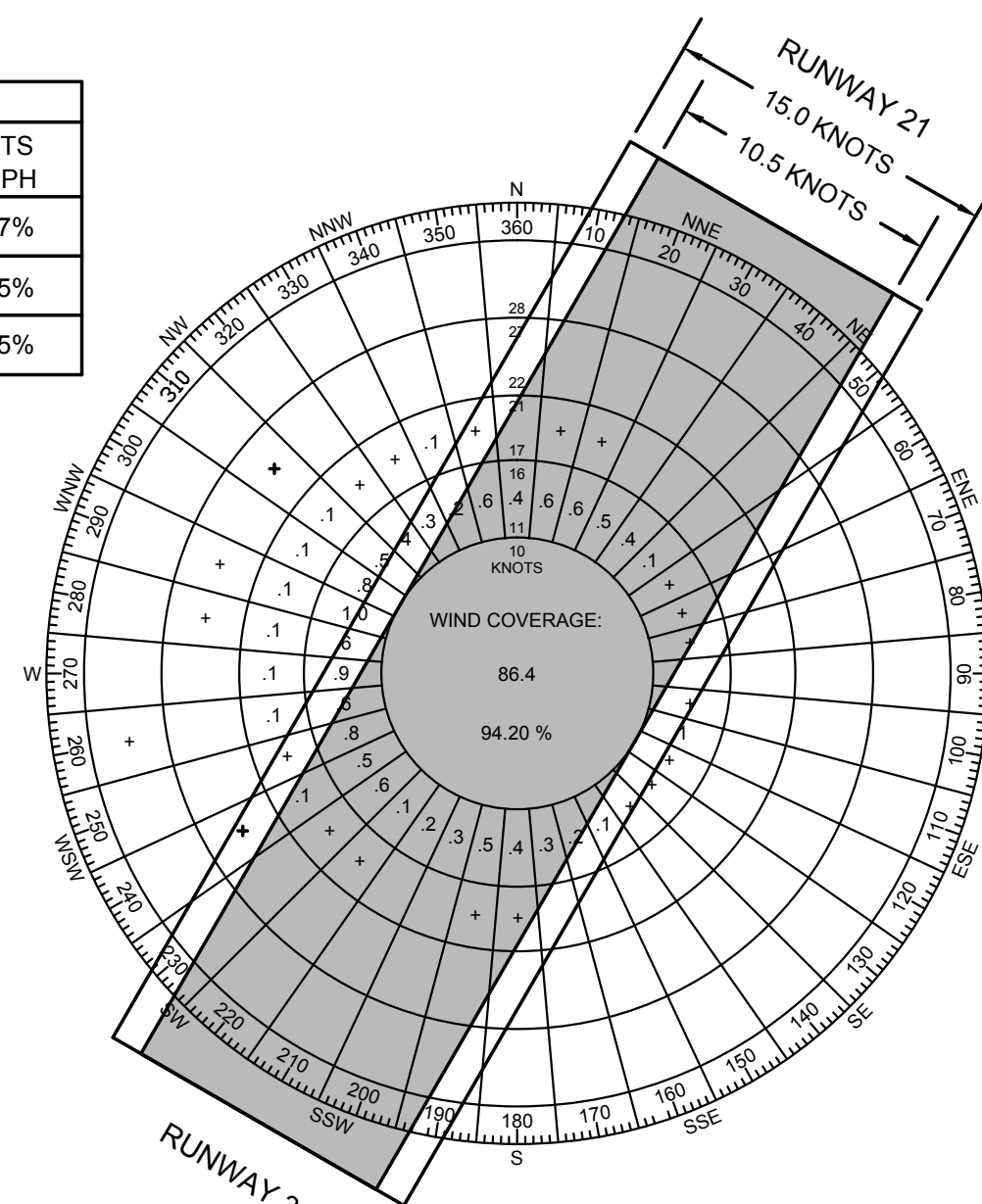
	APPROACH CODE (AC)	FAR PART 77 APPROACH SLOPE	APPROACH MINIMUMS	APPROACH THRESHOLD ELEVATION	TOUCHDOWN ZONE ELEVATION	RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS			LANDING AIDS
						INNER WIDTH	OUTER WIDTH	LENGTH	
<b>RUNWAY 3</b>									
EXISTING	C	34:1	RNAV GPS: (540-1 MI AC: A & B), (540-1 1/2 MI AC: C), (540-1 3/4 MI AC: D) CIRCLING: (540-1 MI AC: A & B), (540-1 1/2 MI AC: C), (540-2 MI AC: D) VOR/DME: (800-1 MI AC: A), (800-1 1/2 MI AC: B), (800-2 1/2 MI AC: C), (800-2 3/4 MI AC: D)	19.0'	19.0'	500'	1,010'	1,700'	MIRL, PAPI-4, REILS
ULTIMATE	C	34:1	NON-PRECISION INSTRUMENT WITH VISIBILITY MINIMUMS GREATER THAN 1/4 MI. (TYPE OF APPROACHES AND VISIBILITY MINIMUMS TO BE DETERMINED)	19.0'	19.0'	500'	1,010'	1,700'	MIRL, PAPI-4, REILS
<b>RUNWAY 21</b>									
EXISTING	C	34:1	RNAV GPS: (480-1 MI AC: A & B), (480-1 1/2 MI AC: C), (480-1 3/4 MI AC: D) LOC/DME: (480-1 MI AC: A & B), (480-1 1/2 MI AC: C), (480-1 3/4 MI AC: D) CIRCLING: (540-1 MI AC: A & B), (540-1 1/2 MI AC: C), (540-2 MI AC: D) VOR/DME: (800-1 MI AC: A), (800-1 1/2 MI AC: B), (800-2 1/2 MI AC: C), (800-2 3/4 MI AC: D)	13.0'	18.3'	500'	1,010'	1,700'	MIRL, PAPI-4, REILS
ULTIMATE	C	34:1	NON-PRECISION INSTRUMENT WITH VISIBILITY MINIMUMS GREATER THAN 1/4 MI. (TYPE OF APPROACHES AND VISIBILITY MINIMUMS TO BE DETERMINED)	12.1'	18.3'	500'	1,010'	1,700'	MIRL, PAPI-4, MALS

\*AC: APPROACH CODE

**Modification to FAA Design Standards**

Non-Standard Modification	Location of Modification	Standard	Actual	Aeronautical Study Number	FAA Approval
Runway to Taxiway Separation	Taxiway 'A'	300 Feet	200 Feet	2011-ASO-890-NRA	With Conditions
Runway Object Free Area	Various Locations along Runway	800 Feet	Various from 600 Feet to 770 Feet	2011-ASO-890-NRA	With Conditions

CROSSWIND COVERAGE		
	10.5 KTS 12 MPH	13 KTS 15 MPH
RW 3	49.55%	50.37%
RW 21	61.81%	63.65%
RW 3-21	94.20%	96.65%



VFR WIND ROSE  
SOURCE: NATIONAL WEATHER DATA CENTER, ASHEVILLE, N.C.  
STATION-BEAUFORT MCAS, SC  
PERIOD: 2000-2009

**AIRPORT DATA**

DEVELOPMENT PHASE	EXISTING	PHASE 1	ULTIMATE
AIRPORT ELEVATION	19.1'	19.1'	19.1'
AIRPORT REFERENCE POINT (ARP) COORDINATES	32° 13' 27.71" N 80° 41' 59.62" W	32° 13' 29.93" N 80° 41' 49.64" W	32° 13' 31.78" N 80° 41' 48.58" W
MEAN MAX. TEMP. OF HOTTEST MONTH	89.4° F	89.4° F	89.4° F
AIRPORT LANDING AIDS	WIND CONE, BEACON, PAPI-4 RW 3 & 21, REILS RW 3 & 21	WIND CONE, BEACON, PAPI-4 RW 3 & 21, REILS RW 3 & 21, MALS RW 21	WIND CONE, BEACON, PAPI-4 RW 3 & 21, REILS RW 3 & 21, MALS RW 21
TERMINAL NAVIGATIONAL AIDS	LOCALIZER/DME RW 21, VORTAC	LOCALIZER/DME RW 21, VORTAC	LOCALIZER/DME RW 21, VORTAC
AIRPORT REFERENCE CODE	C-II	C-II	C-II

**RUNWAY DATA**

DESCRIPTION	RUNWAY DATA				
	EXISTING	PHASE 1	ULTIMATE		
DEVELOPMENT PHASE	4,300' X 100'	5,000' X 100'	5,400' X 100'		
RUNWAY LENGTH & WIDTH	4,300' X 100'	5,000' X 100'	5,400' X 100'		
EFFECTIVE GRADIENT	0.16%	0.14%	0.13%		
PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT		
DESIGN AIRCRAFT	FAMILY GROUPING (>12,500 LBS. BUT < 60,000 LBS.)	FAMILY GROUPING (>12,500 LBS. BUT < 60,000 LBS.)	FAMILY GROUPING (>12,500 LBS. BUT < 60,000 LBS.)		
PAVEMENT STRENGTH	38,000 LBS. SINGLE GEAR 75,000 LBS. DUAL GEAR	38,000 LBS. SINGLE GEAR 75,000 LBS. DUAL GEAR	38,000 LBS. SINGLE GEAR 75,000 LBS. DUAL GEAR		
PAVEMENT CLASSIFICATION NUMBER (PCN)					
AIRCRAFT REFERENCE CODE (ARC)	C-II	C-II	C-II		
RUNWAY SAFETY AREA (RSA)	WIDTH	400'	400'		
	RUNWAY 3 LENGTH	600' PRIOR TO BEGINNING OF RUNWAY TO 1,000' BEYOND RUNWAY END (LENGTH = 5,900')	600' PRIOR TO BEGINNING OF RUNWAY TO 600' WITH EMAS BEYOND BEYOND RUNWAY END (LENGTH 6,200')	600' PRIOR TO BEGINNING OF RUNWAY TO 600' WITH EMAS BEYOND BEYOND RUNWAY END (LENGTH 6,600')	
OBJECT FREE AREA (OFA)	WIDTH	800'	800'		
	RUNWAY 3 LENGTH	600' PRIOR TO BEGINNING OF RUNWAY TO 1,000' BEYOND RUNWAY END (LENGTH = 5,900')	600' PRIOR TO BEGINNING OF RUNWAY TO 600' WITH EMAS BEYOND BEYOND RUNWAY END (LENGTH 6,200')	600' PRIOR TO BEGINNING OF RUNWAY TO 600' WITH EMAS BEYOND BEYOND RUNWAY END (LENGTH 6,600')	
OBSTACLE FREE ZONE (OFZ)	WIDTH	400'	400'		
	RUNWAY 3 LENGTH	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND RUNWAY END (LENGTH = 4,700')	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND LAST MALS LIGHT (LENGTH = 6,800')	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND LAST MALS LIGHT (LENGTH = 7,200')	
RUNWAY LIGHTING	WIDTH	400'	400'		
	RUNWAY 3 LENGTH	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND RUNWAY END (LENGTH = 4,700')	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND LAST MALS LIGHT (LENGTH = 6,800')	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND LAST MALS LIGHT (LENGTH = 7,200')	
TAXIWAY LIGHTING	WIDTH	400'	400'		
	RUNWAY 3 LENGTH	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND RUNWAY END (LENGTH = 4,700')	200' PRIOR TO BEGINNING OF FIRST MALS LIGHT TO 200' BEYOND RUNWAY END (LENGTH = 7,200')	200' PRIOR TO BEGINNING OF FIRST MALS LIGHT TO 200' BEYOND RUNWAY END (LENGTH = 7,200')	
RUNWAY MARKING TYPE	WIDTH	400'	400'		
	RUNWAY 3 LENGTH	200' PRIOR TO BEGINNING OF RUNWAY TO 200' BEYOND RUNWAY END (LENGTH = 4,700')	200' PRIOR TO BEGINNING OF FIRST MALS LIGHT TO 200' BEYOND RUNWAY END (LENGTH = 7,200')	200' PRIOR TO BEGINNING OF FIRST MALS LIGHT TO 200' BEYOND RUNWAY END (LENGTH = 7,200')	
NAD 83 RUNWAY END COORDINATES	RUNWAY 3	LATITUDE: 32° 13' 08.60" N LONGITUDE: 80° 42' 01.91" W TRUE BEARING: N 26° 03' 38.06" E	LATITUDE: 32° 13' 05.94" N LONGITUDE: 80° 42' 03.44" W TRUE BEARING: N 26° 03' 41.14" E	LATITUDE: 32° 13' 05.94" N LONGITUDE: 80° 42' 03.44" W TRUE BEARING: N 26° 03' 32.46" E	
	RUNWAY 21	LATITUDE: 32° 13' 46.82" N LONGITUDE: 80° 41' 39.92" W TRUE BEARING: S 26° 03' 49.78" W	LATITUDE: 32° 13' 50.38" N LONGITUDE: 80° 41' 37.77" W TRUE BEARING: S 26° 03' 54.77" W	LATITUDE: 32° 13' 53.93" N LONGITUDE: 80° 41' 35.83" W TRUE BEARING: S 26° 03' 47.18" E	
NAVD 88 RUNWAY END ELEVATION	RUNWAY 3	ELEVATION: 18.9'	ELEVATION: 19.0'±	ELEVATION: 19.0'±	
	RUNWAY 21	ELEVATION: 12.1'	ELEVATION: 12.0'±	ELEVATION: 12.0'±	
NAD 83 DISPLACED THRESHOLD COORDINATES	RUNWAY 3	LATITUDE: 32° 13' 11.26" N LONGITUDE: 80° 42' 01.91" W TRUE BEARING: N 26° 03' 39.88" E	LATITUDE: 32° 13' 08.60" N LONGITUDE: 80° 42' 01.91" W TRUE BEARING: N 26° 03' 42.96" E	LATITUDE: 32° 13' 08.60" N LONGITUDE: 80° 42' 01.91" W TRUE BEARING: N 26° 03' 33.70" E	
	RUNWAY 21	LATITUDE: 32° 13' 37.65" N LONGITUDE: 80° 41' 41.45" W TRUE BEARING: S 26° 04' 14.36" W	LATITUDE: 32° 13' 46.82" N LONGITUDE: 80° 41' 39.92" W TRUE BEARING: S 26° 04' 49.00" W	LATITUDE: 32° 13' 46.82" N LONGITUDE: 80° 41' 39.92" W TRUE BEARING: S 26° 03' 49.00" W	
NAVD 88 DISPLACED THRESHOLD ELEVATION	RUNWAY 3	ELEVATION: 19.0'	ELEVATION: 18.9'	ELEVATION: 18.9'	
	RUNWAY 21	ELEVATION: 13.0'	ELEVATION: 12.1'	ELEVATION: 12.1'	
DECLARED DISTANCE RUNWAY LENGTHS	RUNWAY 3	TORA	4,300'	5,000'	5,400'
		TODA	4,300'	5,000'	5,400'
		ASDA	4,300'	5,000'	5,400'
	RUNWAY 21	LDA	4,000'	4,703'	5,103'
		TORA	4,300'	5,000'	5,400'
		ASDA	4,103'	5,000'	5,400'
LDA	3,803'	4,597'	4,597'		

REVISION	DATE	DESCRIPTION



**HILTON HEAD ISLAND AIRPORT**  
HILTON HEAD ISLAND, SOUTH CAROLINA  
130 Beach City Road  
Hilton Head Island, SC 29928-2704  
(843) 689-5400

**Airport Layout Plan Data**

**TALBERT & BRIGHT** Columbia, South Carolina

DATE: September 6, 2011    SCALE:    SHEET: **5** OF **14**