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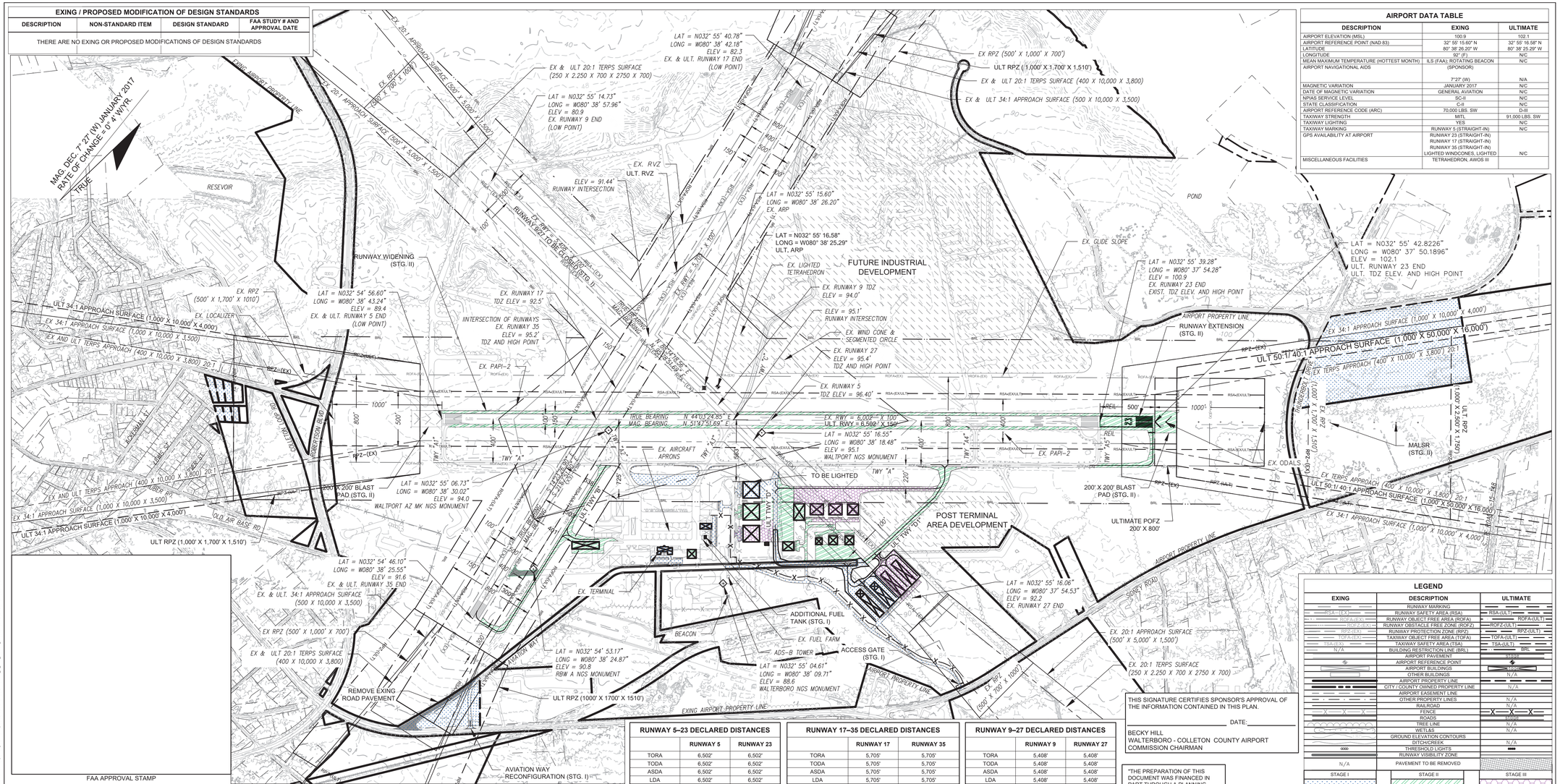
EXING / PROPOSED MODIFICATION OF DESIGN STANDARDS

DESCRIPTION	NON-STANDARD ITEM	DESIGN STANDARD	FAA STUDY # AND APPROVAL DATE
THERE ARE NO EXING OR PROPOSED MODIFICATIONS OF DESIGN STANDARDS			



FAA APPROVAL STAMP

AIRPORT DATA TABLE

DESCRIPTION	EXING	ULTIMATE
AIRPORT ELEVATION (MSL)	100.9	102.1
AIRPORT REFERENCE POINT (NAD 83)	32° 55' 15.60" N 80° 38' 26.20" W	32° 55' 16.58" N 80° 38' 25.29" W
LATITUDE		
LONGITUDE	92" (F)	N/C
MEAN MAXIMUM TEMPERATURE (HOTTEST MONTH)	ILS (FAA); ROTATING BEACON (SPONSOR)	N/C
AIRPORT NAVIGATIONAL AIDS	7°27' (W)	N/A
MAGNETIC VARIATION	JANUARY 2017	N/C
DATE OF MAGNETIC VARIATION	GENERAL AVIATION	N/C
NPIAS SERVICE LEVEL	SC-II	N/C
STATE CLASSIFICATION	C-II	N/C
AIRPORT REFERENCE CODE (ARC)	70,000 LBS. SW	D-III
TAXIWAY STRENGTH	MITL	91,000 LBS. SW
TAXIWAY LIGHTING	YES	N/C
TAXIWAY MARKING	RUNWAY 5 (STRAIGHT-IN)	N/C
GPS AVAILABILITY AT AIRPORT	RUNWAY 23 (STRAIGHT-IN) RUNWAY 17 (STRAIGHT-IN) RUNWAY 35 (STRAIGHT-IN) LIGHTED WINDCONES, LIGHTED	N/C
MISCELLANEOUS FACILITIES	TETRAHEDRON, AWOS III	

LEGEND

EXING	DESCRIPTION	ULTIMATE
	RUNWAY MARKING	
RSA–(EX)	RUNWAY SAFETY AREA (RSA)	RSA–(ULT)
ROFA–(EX)	RUNWAY OBJECT FREE AREA (ROFA)	ROFA–(ULT)
ROFZ–(EX)	RUNWAY OBSTACLE FREE ZONE (ROFZ)	ROFZ–(ULT)
RPZ–(EX)	RUNWAY PROTECTION ZONE (RPZ)	RPZ–(ULT)
TOFA–(EX)	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA–(ULT)
TSA–(EX)	TAXIWAY SAFETY AREA (TSA)	TSA–(ULT)
N/A	BUILDING RESTRICTION LINE (BRL)	BRL
	AIRPORT PAVEMENT	
	AIRPORT REFERENCE POINT	
	AIRPORT BUILDINGS	
	OTHER BUILDINGS	N/A
	AIRPORT PROPERTY LINE	
	CITY / COUNTY OWNED PROPERTY LINE	N/A
	AIRPORT EASEMENT LINE	
	OTHER PROPERTY LINES	N/A
	RAILROAD	N/A
	FENCE	
	ROADS	
	TREE LINE	N/A
	WETL&S	N/A
	GROUND ELEVATION CONTOURS	
	DITCH/CREEK	N/A
	THRESHOLD LIGHTS	
	RUNWAY VISIBILITY ZONE	
N/A	PAVEMENT TO BE REMOVED	
STAGE I	STAGE II	STAGE III

THIS SIGNATURE CERTIFIES SPONSOR'S APPROVAL OF THE INFORMATION CONTAINED IN THIS PLAN.

DATE:_____

BECKY HILL
WALTERBORO - COLLETON COUNTY AIRPORT COMMISSION CHAIRMAN

"THE PREPARATION OF THIS DOCUMENT WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION & THE SOUTH CAROLINA AERONAUTICS COMMISSION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT & AIRWAY IMPROVEMENT ACT OF 1982. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA.

ACCEPTANCE OF THIS REPORT BY THE FAA/SCAC DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED THEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS."

CONSTRUCTION NOTICE REQUIREMENT

TO PROTECT OPERATIONAL SAFETY & FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE FAA AIRPORTS DISTRICT OFFICE PRIOR TO CONSTRUCTION. FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS.

NOTES

1. ALL LATITUDE & LONGITUDE COORDINATES ARE IN NAD '83 FORMAT.
2. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO NAVD 88.
3. PLANIMETRICS/CONTOURS WERE OBTAINED JUNE 2016 BY GPI.
4. ANY PROPOSED INCREASE IN THE RUNWAY LENGTH ON 5/23 WILL REQUIRE COMPLIANCE WITH THE "INTERIM GUIDANCE ON LAND USES WITHIN A RUNWAY PROTECTION ZONE".

TO BE CLOSED

RUNWAY 5–23 DECLARED DISTANCES

	RUNWAY 5	RUNWAY 23
TORA	6,502'	6,502'
TODA	6,502'	6,502'
ASDA	6,502'	6,502'
LDA	6,502'	6,502'

RUNWAY 17–35 DECLARED DISTANCES

	RUNWAY 17	RUNWAY 35
TORA	5,705'	5,705'
TODA	5,705'	5,705'
ASDA	5,705'	5,705'
LDA	5,705'	5,705'

RUNWAY 9–27 DECLARED DISTANCES

	RUNWAY 9	RUNWAY 27
TORA	5,408'	5,408'
TODA	5,408'	5,408'
ASDA	5,408'	5,408'
LDA	5,408'	5,408'

RUNWAY 5–23 DATA TABLE

DESCRIPTION	EXING	STAGE I	STAGE II	STAGE III
EFFECTIVE GRADIENT (%)	0.19%	N/C	N/C	N/C
MAXIMUM GRADE CHANGE	0.03%	N/C	N/C	N/C
WIND COVERAGE (ALL WEATHER)	(13 KNOTS/15 MPH) 97.01%	N/C	N/C	N/C
WIND COVERAGE (IFR)	(13 KNOTS/15 MPH) 96.49%	N/C	N/C	N/C
MAX. ELEVATION (MSL)	100.9'	N/C	102.1'	N/C
RUNWAY (LENGTH X WIDTH)	6,002' X 100'	N/C	6,502' X 150'	N/C
DISPLACED THRESHOLD	NONE	N/C	N/C	N/C
USABLE RUNWAY LENGTH	6,002'	N/C	6,502'	N/C
SURFACE TYPE	ASPHALT–CONCRETE	N/C	N/C	N/C
PAVEMENT STRENGTH (SINGLE WHEEL)	70,000 LBS	N/C	91,000 LBS	N/C
PAVEMENT STRENGTH (DUAL WHEEL)	101,000 LBS	N/C	147,000 LBS	N/C
PAVEMENT CLASSIFICATION NUMBER (PCN)	26/F/B/X/T	N/C	36/F/B/X/T	N/C
APPROACH SURFACE SURFACE (RWY 5)	34:1 (NP¾) 1,000'X10,000'X3,500'	34:1 (NP¾) 1,000'X10,000'X4,000'	N/C	N/C
APPROACH SURFACE SURFACE (RWY 23)	34:1 (NP¾) 1,000'X10,000'X4,000'	N/C	50:1/40:1 (P) 1,000X50,000X16,000'	N/C
APPROACH MINIMUMS (RWY 5)	335 - 1 1/8 MILES	250 - 3/4 MILE	N/C	N/C
APPROACH MINIMUMS (RWY 23)	200 - 3/4 MILE	N/C	200 - 1/2 MILE	N/C
TYPE OF AERONAUTICAL SURVEY REQUIRED	VERTICALLY GUIDED	N/C	N/C	N/C
RUNWAY DEPARTURE SURFACE	YES	N/C	N/C	N/C
VISUAL APPROACH AIDS	PAPI (5/23); ODALS, REIL (RWY 23) ROTATING BEACON	N/C	MALSR (RWY 23)	N/C
INSTRUMENT APPROACH AIDS	GPS (5/23); ILS, LOC (RWY 23)	N/C	N/C	N/C
RUNWAY LIGHTING	MIRL	N/C	HIRL	N/C
RUNWAY MARKING	NPI/PIR	N/C	NPI/NPI	N/C
RUNWAY DESIGN CODE (RDC)	C-II-4000	N/C	D-III-2400	N/C
APPROACH REFERENCE CODE (APRC)	D/IV/4000 D/IV/4000	N/C	D/IV/2400 D/IV/2400	N/C
DEPARTURE REFERENCE CODE (DPRC)	D/IV D/IV	N/C	N/C	N/C
CRITICAL AIRCRAFT	GULFSTREAM G450	N/C	GULFSTREAM G550	N/C
OBJECT FREE AREA (OFA) (WIDTH)	800'	N/C	N/C	N/C
(OFA) LENGTH BEYOND RUNWAY	1000'	N/C	300'	N/C
RUNWAY SAFETY AREA (RSA) (WIDTH)	500'	N/C	150'	N/C
(RSA) LENGTH BEYOND RUNWAY	1000'	N/C	300'	N/C
OBSTACLE FREE ZONE (OFZ) (WIDTH)	400'	N/C	400'	N/C
(OFZ) LENGTH BEYOND RUNWAY	200'	N/C	200'	N/C
FAR PART 77 APPROACH CATEGORY	C/P/R	N/C	C/C	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 5	500'X1,700'X1,010'	N/C	1,000'X1,700'X1,510'	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 23	1,000'X1,700'X1,510'	N/C	1,000'X2,500'X1,750'	N/C
THRESHOLD SITING SURFACE (TSS)	NO TSS PENETRATIONS	N/C	N/C	N/C
RUNWAY 5 LATITUDE	32° 54' 56.60" N	N/C	N/C	N/C
RUNWAY 5 LONGITUDE	80° 38' 43.24" W	N/C	N/C	N/C
RUNWAY 23 LATITUDE	32° 55' 39.28" N	N/C	32° 55' 42.82" N	N/C
RUNWAY 23 LONGITUDE	80° 37' 54.28" W	N/C	80° 37' 50.19" W	N/C
RUNWAY END ELEVATION (ASL) RWY 5	89.4' (SURVEYED)	N/C	N/C	N/C
RUNWAY END ELEVATION (ASL) RWY 23	100.9' (SURVEYED)	N/C	102.1	N/C
RUNWAY 5 TDZ ELEVATION (MSL)	96.4'	N/C	N/C	N/C
RUNWAY 23 TDZ ELEVATION (MSL)	100.9'	N/C	102.1	N/C
RUNWAY SHOULDER WIDTH	10'	N/C	N/C	N/C
LINE OF SIGHT VIOLATIONS	NONE	N/C	N/C	N/C
TAXIWAY/TAXILANE WIDTH	35'	N/C	N/C	N/C
TAXIWAY/TAXILANE SAFETY AREA (TSA) WIDTH	79'	N/C	118'	N/C
TAXIWAY OBJECT FREE AREA (OFA)	131'	N/C	186'	N/C
TAXILANE OBJECT FREE AREA (OFA)	115'	N/C	162'	N/C

RUNWAY 17–35 DATA TABLE

DESCRIPTION	EXING	STAGE I	STAGE II	STAGE III
EFFECTIVE GRADIENT (%)	0.16%	N/C	N/C	N/C
MAXIMUM GRADE CHANGE	0.03%	N/C	N/C	N/C
WIND COVERAGE (ALL WEATHER)	(13 KNOTS/15 MPH) 96.99%	N/C	N/C	N/C
WIND COVERAGE (IFR)	(13 KNOTS/15 MPH) 96.94%	N/C	N/C	N/C
MAX. ELEVATION (MSL)	91.6'	N/C	N/C	N/C
RUNWAY (LENGTH X WIDTH)	5,705' X 100'	N/C	N/C	N/C
DISPLACED THRESHOLD	NONE	N/C	N/C	N/C
USABLE RUNWAY LENGTH	5,705'	N/C	N/C	N/C
SURFACE TYPE	ASPHALT–CONCRETE	N/C	N/C	N/C
PAVEMENT STRENGTH (SINGLE WHEEL)	33,500 LBS	N/C	N/C	N/C
PAVEMENT STRENGTH (DUAL WHEEL)	50,500 LBS	N/C	N/C	N/C
PAVEMENT CLASSIFICATION NUMBER (PCN)	10/F/B/X/T	N/C	N/C	N/C
APPROACH SURFACE SURFACE (RWY 17)	34:1 (NP¾) 500'X10,000'X3,500'	N/C	N/C	N/C
APPROACH SURFACE SURFACE (RWY 35)	34:1 (NP¾) 500'X10,000'X3,500'	N/C	N/C	N/C
APPROACH MINIMUMS (RWY 17)	250 - 1 MILE	250 - 7/8 MILE	N/C	N/C
APPROACH MINIMUMS (RWY 35)	303 - 1 MILE	250 - 7/8 MILE	N/C	N/C
TYPE OF AERONAUTICAL SURVEY REQUIRED	VERTICALLY GUIDED	N/C	N/C	N/C
RUNWAY DEPARTURE SURFACE	YES	N/C	N/C	N/C
VISUAL APPROACH AIDS	NONE	N/C	N/C	N/C
INSTRUMENT APPROACH AIDS	GPS (17/35)	N/C	N/C	N/C
RUNWAY LIGHTING	NONE	N/C	N/C	N/C
RUNWAY MARKING	NPI/NPI	N/C	N/C	N/C
RUNWAY DESIGN CODE (RDC)	B-II-5000	B-II-4000	C-II-4000	N/C
APPROACH REFERENCE CODE (APRC)	N/A	N/C	B/III/4000 D/III/4000	N/C
DEPARTURE REFERENCE CODE (DPRC)	N/A	N/C	B/III D/III	N/C
CRITICAL AIRCRAFT	KINGAIR 350	N/C	CESSNA CITATION X	N/C
OBJECT FREE AREA (OFA) (WIDTH)	500'	N/C	800'	N/C
(OFA) LENGTH BEYOND RUNWAY	300'	N/C	1,000'	N/C
RUNWAY SAFETY AREA (RSA) (WIDTH)	150'	N/C	400'	N/C
(RSA) LENGTH BEYOND RUNWAY	300'	N/C	1,000'	N/C
OBSTACLE FREE ZONE (OFZ) (WIDTH)	400'	N/C	400'	N/C
(OFZ) LENGTH BEYOND RUNWAY	200'	N/C	N/C	N/C
FAR PART 77 APPROACH CATEGORY	C/C	N/C	C/D	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 17	500'X1,000'X700'	1,000'X1,700'X1,510'	N/C	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 35	500'X1,000'X700'	1,000'X1,700'X1,510'	N/C	N/C
THRESHOLD SITING SURFACE (TSS)	NO TSS PENETRATIONS	N/C	N/C	N/C
RUNWAY 17 LATITUDE	32° 55' 40.78" N	N/C	N/C	N/C
RUNWAY 17 LONGITUDE	80° 38' 42.18" W	N/C	N/C	N/C
RUNWAY 35 LATITUDE	32° 54' 46.10" N	N/C	N/C	N/C
RUNWAY 35 LONGITUDE	80° 38' 25.55" W	N/C	N/C	N/C
RUNWAY END ELEVATION (ASL) RWY 17	82.3' (SURVEYED)	N/C	N/C	N/C
RUNWAY END ELEVATION (ASL) RWY 35	91.6' (SURVEYED)	N/C	N/C	N/C
RUNWAY 17 TDZ ELEVATION (MSL)	82.3'	N/C	N/C	N/C
RUNWAY 35 TDZ ELEVATION (MSL)	91.6'	N/C	N/C	N/C
RUNWAY SHOULDER WIDTH	10'	N/C	N/C	N/C
LINE OF SIGHT VIOLATIONS	NONE	N/C	N/C	N/C
TAXIWAY/TAXILANE WIDTH	35'	N/C	N/C	N/C
TAXIWAY/TAXILANE SAFETY AREA (TSA) WIDTH	79'	N/C	118'	N/C
TAXIWAY OBJECT FREE AREA (OFA)	131'	N/C	N/C	N/C
TAXILANE OBJECT FREE AREA (OFA)	115'	N/C	N/C	N/C

RUNWAY 9–27 DATA TABLE

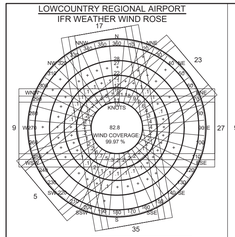
DESCRIPTION	EXING	STAGE I
EFFECTIVE GRADIENT (%)	0.21%	
MAXIMUM GRADE CHANGE	0.03%	
WIND COVERAGE (ALL WEATHER)	(13 KNOTS/15 MPH) 94.93%	
WIND COVERAGE (IFR)	(13 KNOTS/15 MPH) 94.03%	
MAX. ELEVATION (MSL)	92.2'	
RUNWAY (LENGTH X WIDTH)	5,408' X 100'	
DISPLACED THRESHOLD	NONE	
USABLE RUNWAY LENGTH	5,408'	
SURFACE TYPE	ASPHALT–CONCRETE	
PAVEMENT STRENGTH (SINGLE WHEEL)	17,000 LBS	
PAVEMENT STRENGTH (DUAL WHEEL)	40,000 LBS	
PAVEMENT CLASSIFICATION NUMBER (PCN)	N/A	
APPROACH SURFACE SURFACE (RWY 9)	20:1 (V) 500'X5,000'X1,500'	
APPROACH SURFACE SURFACE (RWY 27)	20:1 (V) 500'X5,000'X1,500'	
APPROACH MINIMUMS (RWY 9)	N/A	
APPROACH MINIMUMS (RWY 27)	N/A	
TYPE OF AERONAUTICAL SURVEY REQUIRED	NOT VERTICALLY GUIDED	
RUNWAY DEPARTURE SURFACE	YES	
VISUAL APPROACH AIDS	NONE	
INSTRUMENT APPROACH AIDS	NONE	
RUNWAY LIGHTING	NONE	
RUNWAY MARKING	BSC/BSC	
RUNWAY DESIGN CODE (RDC)	B-II-5000	
APPROACH REFERENCE CODE (APRC)	N/A	
DEPARTURE REFERENCE CODE (DPRC)	N/A	
CRITICAL AIRCRAFT	KINGAIR 250	
OBJECT FREE AREA (OFA) (WIDTH)	500'	
(OFA) LENGTH BEYOND RUNWAY	300'	
RUNWAY SAFETY AREA (RSA) (WIDTH)	150'	
(RSA) LENGTH BEYOND RUNWAY	300'	
OBSTACLE FREE ZONE (OFZ) (WIDTH)	400'	
(OFZ) LENGTH BEYOND RUNWAY	200'	
FAR PART 77 APPROACH CATEGORY	B(V)/B(V)	
RUNWAY PROTECTION ZONE (RPZ) RWY 9	500'X1,000'X700'	
RUNWAY PROTECTION ZONE (RPZ) RWY 27	500'X1,000'X700'	
THRESHOLD SITING SURFACE (TSS)	NO TSS PENETRATIONS	
RUNWAY 9 LATITUDE	32° 55' 14.73" N	
RUNWAY 9 LONGITUDE	80° 38' 57.96" W	
RUNWAY 27 LATITUDE	32° 55' 16.06" N	
RUNWAY 27 LONGITUDE	80° 37' 54.53" W	
RUNWAY END ELEVATION (ASL) RWY 9	80.9' (SURVEYED)	
RUNWAY END ELEVATION (ASL) RWY 27	92.2' (SURVEYED)	
RUNWAY 9 TDZ ELEVATION (MSL)	80.9'	
RUNWAY 27 TDZ ELEVATION (MSL)	92.2'	
RUNWAY SHOULDER WIDTH	10'	
LINE OF SIGHT VIOLATIONS	NONE	
TAXIWAY/TAXILANE WIDTH	35'	
TAXIWAY/TAXILANE SAFETY AREA (TSA) WIDTH	79'	
TAXIWAY OBJECT FREE AREA (OFA)	131'	
TAXILANE OBJECT FREE AREA (OFA)	115'	

GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.

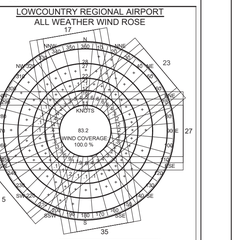
LOWCOUNTRY REGIONAL AIRPORT
IFR WEATHER WIND ROSE



RUNWAY	IFR 10.5 KTS/ 12 MPH	IFR 13 KTS/ 15 MPH	IFR 16 KTS/ 18 MPH
5–23	93.67	96.49	98.76
17–35	93.96	96.94	99.07
9–27	89.45	94.03	98.16
COMBINED COVERAGE	99.77	99.93	99.97
NOT COVERED	0.23	0.07	0.03

SOURCE: NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
STATION: CHARLESTON AFB/INTERNATIONAL AIRPORT CHARLESTON, SC
PERIOD COVERED 2006-2016

LOWCOUNTRY REGIONAL AIRPORT
ALL WEATHER WIND ROSE



RUNWAY	ALL WEATHER 10.5 KTS/ 12 MPH	ALL WEATHER 13 KTS/ 15 MPH	ALL WEATHER 16 KTS/ 18 MPH
5–23	93.84	97.01	99.32
17–35	93.86	96.99	99.38
9–27	90.73	94.93	98.79
COMBINED COVERAGE	99.88	99.98	100.00
NOT COVERED	0.12	0.02	0.00

SOURCE: NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
STATION: CHARLESTON AFB/INTERNATIONAL AIRPORT CHARLESTON, SC
PERIOD COVERED 2006-2016

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SOUTH CAROLINA
W. K. DICKSON & COMPANY, INC.
No. C00177
CERTIFICATE OF AUTHORIZATION
PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY

REVISION RECORD

PLANNING DOCUMENT - DRAFT

PROJECT NAME: LOWCOUNTRY REGIONAL AIRPORT (RBW)
AIRPORT LAYOUT PLAN
WALTERBORO, SOUTH CAROLINA

DRAWING TITLE: AIRPORT LAYOUT PLAN

PROJ. MGR.: JJB
DESIGN BY: JJB / FDL
DRAWN BY: FDL
PROJ. DATE: MAY 2017
DRAWING NUMBER:

2 OF 22

WKD PROJ. NO.:
20150178.00.CA

FILE PATH: J:\Projects\Walterboro Colleton County Arpt\20150178\00.CA_RBW Airport Layout Plan Update\CAD\Plan Set\20150178_5_SHT_ALP.dwg PLEASANTS 5/15/2018 9:15:15 AM