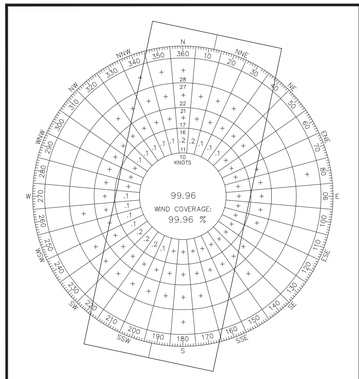
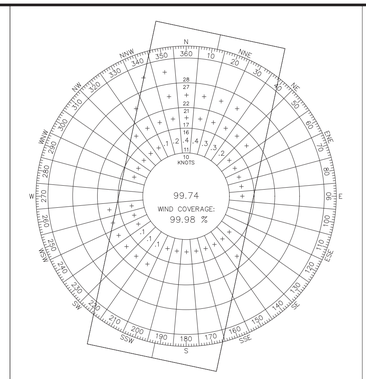


WIND ROSE DATA

	MPH	KNOTS	RUNWAY END COVERAGE RUNWAY 2/20
ALL WEATHER	12	10.5	99.34%
	15	13	99.72%
	18	16	99.96%

SOURCE: "723107 SANTEE COOPER REGIONAL AIRPORT ANNUAL PERIOD RECORD 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019"
REFERENCE: Appendix 1 of AC 150/5300-13, Airport Design, including Changes 1 through 17.



WIND ROSE DATA

	MPH	KNOTS	RUNWAY END COVERAGE RUNWAY 2/20
IFR	12	10.5	99.74%
	15	13	99.90%
	18	16	99.96%

SOURCE: "723107 SANTEE COOPER REGIONAL AIRPORT ANNUAL PERIOD RECORD 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019"
REFERENCE: Appendix 1 of AC 150/5300-13, Airport Design, including Changes 1 through 17.

CONDITIONALLY APPROVED
FEDERAL AVIATION ADMINISTRATION
APPROVAL SUBJECT TO COMMENTS IN APPROVAL LETTER

APPROVING OFFICIAL Joseph R Robinson DATE 9/10/2021
ATLANTA AIRPORTS DISTRICT OFFICE

AIRPORT SPONSOR APPROVAL
APPROVED BY:
Theodore B. Felder, Deputy Administrator

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED. DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACH AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECTS THE SAFETY, EFFICIENCY OR UTILITY OF THE AIRPORT.

AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE	A-I (Small)	B-I (Small)
MEAN MAX. TEMP. HOTTEST MONTH	92°	SAME
AIRPORT ELEVATION	102.7'	SAME
NAVAGATIONAL AIDS	Beacon, Lighted Windsock	SAME
AIRPORT REFERENCE POINT COORDINATES (NAD 83)	33° 35' 13.56" N 80° 12' 31.212" W	SAME
CRITICAL AIRCRAFT	King Air 90	SAME
NPIAS SERVICE LEVEL	Basic	SAME
SOUTH CAROLINA SERVICE ROLE	Business/Recreation (SC III)	SAME

MODIFICATION OF DESIGN STANDARDS

1. CURRENT ROFA DESIGN STANDARDS CANNOT BE MET OFF RUNWAY 02 END DUE TO THE LOCATION OF LAKE MARION. PREVENTS PLAYERS COURSE DRIVE FROM BEING RELOCATED.

NOTES:

1. ALL COORDINATES AND ELEVATIONS SHOWN ARE BASED OFF OF NAD83 (HORIZONTAL) AND NAVD88 (VERTICAL DATUMS.
2. THE RUNWAY DESIGNATIONS ARE NOT EXPECTED TO CHANGE DURING THIS PLANNING PERIOD.
3. THE BUILDING RESTRICTION LINE (BRL) IS LOCATED 335' FROM THE RUNWAY CENTERLINE.

EXISTING FEATURE

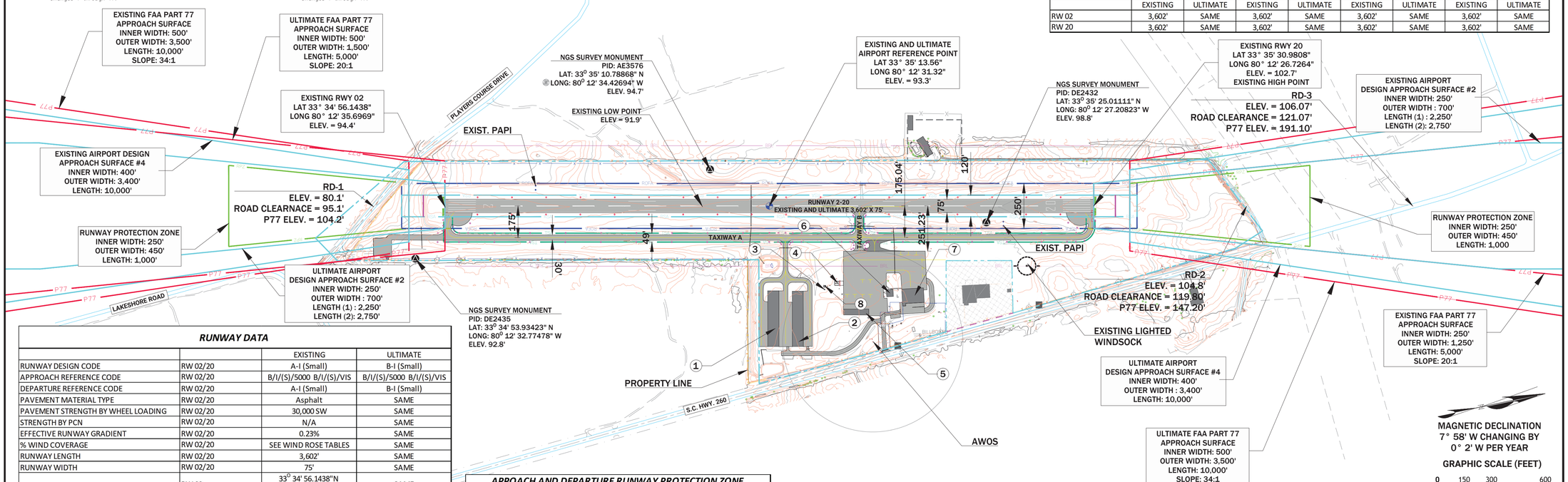
NO.	FEATURE	TOP BUILDING ELEVATION
1	EXISTING T-HANGAR	121.3'
2	EXISTING T-HANGAR	UNKNOWN
3	EXISTING ROTATING BEACON	-
4	EXISTING FUEL FARM	-
5	EXISTING HANGAR	123.4'
6	EXISTING TERMINAL BUILDING	115.7'
7	EXISTING FBO BUILDING	119.9'
8	EXISTING ELECTRICAL VAULT	-

PROPOSED FEATURE

NO.	FEATURE

DECLARED DISTANCES

RUNWAY END	LANDING DISTANCE AVAILABLE (LDA)		ACCERLERATED STOP DISTANCE AVAILABLE (ASDA)		TAKEOFF DISTANCE AVAILABLE (TODA)		TAKEOFF RUN AVAILABLE (TORA)	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RW 02	3,602'	SAME	3,602'	SAME	3,602'	SAME	3,602'	SAME
RW 20	3,602'	SAME	3,602'	SAME	3,602'	SAME	3,602'	SAME



RUNWAY DATA

		EXISTING	ULTIMATE
RUNWAY DESIGN CODE	RW 02/20	A-I (Small)	B-I (Small)
APPROACH REFERENCE CODE	RW 02/20	B/I/(S)/5000 B/I/(S)/VIS	B/I/(S)/5000 B/I/(S)/VIS
DEPARTURE REFERENCE CODE	RW 02/20	A-I (Small)	B-I (Small)
PAVEMENT MATERIAL TYPE	RW 02/20	Asphalt	SAME
PAVEMENT STRENGTH BY WHEEL LOADING	RW 02/20	30,000 SW	SAME
STRENGTH BY PCN	RW 02/20	N/A	SAME
EFFECTIVE RUNWAY GRADIENT	RW 02/20	0.23%	SAME
% WIND COVERAGE	RW 02/20	SEE WIND ROSE TABLES	SAME
RUNWAY LENGTH	RW 02/20	3,602'	SAME
RUNWAY WIDTH	RW 02/20	75'	SAME
RUNWAY END COORDINATES (NAD 83)	RW 02	33° 34' 56.1438"N 80° 12' 35.6969" W	SAME
	RW 20	33° 35' 30.9808"N 80° 12' 26.7264" W	SAME
RUNWAY END ELEVATIONS	RW 02	94.4'	SAME
	RW 20	102.7'	SAME
RUNWAY ORIENTATION	RW 02	12°	SAME
	RW 20	192°	SAME
MARKINGS	RW 02/20	NPI	SAME
RUNWAY LIGHTING	RW 02/20	MIRL	SAME
CFR PART 77 APPROACH CATEGORY	RW 02	A(NP)	B(VIS)
	RW 20	A(VIS)	B(NP)
CFR PART 77 APPROACH SLOPE	RW 02	34:1	20:1
	RW 20	20:1	34:1
APPROACH VISIBILITY MINIMUMS	RW 02	1-Mile	Visual
	RW 20	Visual	1-Mile
TERMINAL INSTRUMENT PROCEDURES (TERPS)	RW 02	N/A	SAME
	RW 20	N/A	SAME
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH	RW 02	NVGS	SAME
	RW 20	NVGS	SAME
INSTRUMENT APPROACH NAVAIDS	RW 02	NDB or GPS	-
	RW 20	-	GPS
VISUAL APPROACH NAVAIDS	RW 02	PAPI-2L	SAME
	RW 20	PAPI-2L	SAME
TOUCHDOWN ZONE ELEVATIONS	RW 02	102'	SAME
	RW 20	94'	SAME

APPOACH AND DEPARTURE RUNWAY PROTECTION ZONE DIMENSIONS

RUNWAY END	EXISTING	ULTIMATE
RW 02	250' (IW)x1000' (L)x450' (OW)	SAME
RW 20	250' (IW)x1000' (L)x450' (OW)	SAME

RUNWAY SAFETY AREA DIMENSIONS

RUNWAY END	EXISTING	ULTIMATE
RW 02/20	120'x240' (Beyond RW End)	SAME

OBJECT FREE AREA DIMENSIONS

RUNWAY	EXISTING	ULTIMATE
RW 02/20	250'x240'(Beyond RW End)	SAME

OBSTACLE FREE ZONE DIMENSIONS

RUNWAY	EXISTING	ULTIMATE
RW 02/20	120'x200' (Beyond Runway End)	SAME

FAR PART 77 APPROACH DIMENSIONS

RUNWAY END	EXISTING	ULTIMATE
RW 02	500' (IW)x3,500' (OW)x10,000' (L)	500' (IW)x1,500' (OW)x5,000' (L)
RW 20	250'(IW)x1,250'(OW)x5,000'(L)	500' (IW)x3,500' (OW)x10,000' (L)

TAXIWAY AND TAXILANE DATA

	EXISTING	ULTIMATE
TAXIWAY WIDTH	30'	SAME
TAXIWAY EDGE SAFETY MARGIN (TESM)	25'	SAME
TAXIWAY SHOULDER WIDTH	5'	SAME
TAXIWAY SAFETY AREA (TSA)	49'	SAME
TAXIWAY OBJECT FREE AREA (OFA)	89'	SAME
TAXILANE OBJECT FREE AREA (OFA)	79'	SAME
TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE	70'	SAME
TAXIWAY CENTERLINE TO FIXED OR MOVABLE OBJECT	44.5'	SAME
TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE	64'	SAME
TAXILANE CENTERLINE TO FIXED OR MOVABLE OBJECT	39.5'	SAME
TAXIWAY AND TAXILANE LIGHTING	MITL	SAME

EXISTING AND ULTIMATE AIRPORT DESIGN APPROACH SURFACE

RUNWAY END	EXISTING	ULTIMATE
RW 02	400' (IW)x3,400' (OW)x10,000' (L)	250'(IW) X 700'(OW)X2,250'(L1) x2,750'(L2)
RW 20	250'(IW)x700'(OW)x2,250'(L1) x2,750'(L2)	400' (IW)x3,400' (OW)x10,000' (L)

LEGEND

	EXISTING	ULTIMATE
RUNWAY SAFETY AREA (RSA)	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA
RUNWAY OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ
TAXIWAY SAFETY AREA (TSA)	TSA	TSA
FAA PART 77 APPROACH SURFACE	P77	P77
BUILDING RESTRICTION LINE (BRL)	BRL	BRL
AIRPORT REFERENCE POINT		
AIRPORT PAVEMENT		
AIRPORT BUILDINGS		
AIRPORT PROPERTY LINE / EASEMENTS		
FENCE (6')		
FENCE (10')		
ROADS		
TREELINE		
EDGE OF WATER / STREAM		
GROUND ELEVATION CONTOURS	140	140
ROTATING BEACON		
PAPI		
THRESHOLD LIGHTS		
RUNWAY EDGE LIGHTS		
TAXIWAY EDGE LIGHTS		
NGS SURVEY MONUMENT		

HOLI CONSULTING COMPANY, LLC.
2801 DEVINE STREET, SUITE 201
COLUMBIA, SC 29205

AIRPORT LAYOUT PLAN

FAA AIP PROJECT NO. 3-45-0038-010-2018 SCAC NO. 19-006

SANTEE COOPER REGIONAL AIRPORT

CLARENDON COUNTY, SOUTH CAROLINA

DR.	CHK.	DATE	DESCRIPTION