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FILE PATH:P:\Airport Development\Airports\UNION COUNTY TROY SHELTON FIELD - 35A\DRAWINGS\ALP\2016 ALP SET\2016 Union County Final ALP Set\20130154_C_SHT_ALP.dwgP:\Airport Development\Airports\UNION COUNTY TROY SHELTON FIELD - 35A\DRAWINGS\ALP\2016 ALP SET\2016 Union County Final ALP Set\20130154_C_SHT_ALP.dwg, FLEAPHART, 6/15/2016 12:08:01 PM

RUNWAY 5-23 DATA TABLE

DESCRIPTION	EXISTING	STAGE I	STAGE II	STAGE III
EFFECTIVE GRADIENT (%)	1.0	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) 99.37%	N/C	N/C	N/C
WIND COVERAGE (IFR)	(13 KNOTS/15 MPH) 99.34%	N/C	N/C	N/C
MAX. ELEVATION (MSL)	610.0'	N/C	N/C	N/C
RUNWAY (LENGTH X WIDTH)	3,508' X 60'	4,508' X 100'	5,008' X 100'	N/C
DISPLACED THRESHOLD	NONE	N/C	N/C	N/C
USABLE RUNWAY LENGTH	3,508'	4,508'	5,008'	N/C
SURFACE TYPE	ASPHALT	N/C	N/C	N/C
PAVEMENT STRENGTH (SINGLE WHEEL)	12,500 LBS.	N/C	30,000 LBS.	N/C
PAVEMENT STRENGTH (DUAL WHEEL)	-	N/C	55,000 LBS.	N/C
PAVEMENT CLASSIFICATION NUMBER (PCN)	N/C	20/F/C/X/T	N/C	N/C
APPROACH SURFACE SLOPE (RWY 5)	34:1 (NPI) 500'X3,500'X10,000'	N/C	50:1 (PIR) 1,000'X15,000'X50,000'	N/C
APPROACH SURFACE SLOPE (RWY 23)	34:1 (NPI) 500'X3,500'X10,000'	N/C	34:1 (NPI) 1,000'X4,000'X10,000'	N/C
APPROACH MINIMUMS (RWY 5)	427 - 1 MILE	200 - ¾ MILE	200 - ½ MILE	N/C
APPROACH MINIMUMS (RWY 23)	470 - 1 MILE	250 - ¾ MILE	N/C	N/C
VISUAL APPROACH AIDS	PAPI (5/23), ROTATING BEACON	N/C	MALSR	N/C
INSTRUMENT APPROACH AIDS	NDB, RNAV, GPS (5/23)	N/C	N/C	N/C
RUNWAY LIGHTING	MIRL	N/C	HIRL	N/C
RUNWAY MARKING	NPI/B	NPI/NPI	PIR/NPI	N/C
RUNWAY DESIGN CODE (RDC)	B-II - 5,000	B-II - 4,000	B-II - 2,400	N/C
CRITICAL AIRCRAFT	KINGAIR 250	N/C	CITATION XLS	N/C
OBJECT FREE AREA (OFA) (WIDTH)	500'	N/C	800'	N/C
(OFA) LENGTH BEYOND RUNWAY	300'	N/C	600'	N/C
RUNWAY SAFETY AREA (RSA) (WIDTH)	150'	N/C	300'	N/C
(RSA) LENGTH BEYOND RUNWAY	195'	300'	600'	N/C
OBSTACLE FREE ZONE (OFZ) (WIDTH)	250'	400'	N/C	N/C
(OFZ) LENGTH BEYOND RUNWAY	200'	N/C	N/C	N/C
FAR PART 77 APPROACH CATEGORY	C(NP)	N/C	PIR	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 5	500'X1,000'X700'	N/C	1,000'X2,500'X1,750'	N/C
RUNWAY PROTECTION ZONE (RPZ) RWY 23	500'X1,000'X700'	N/C	1,000'X1,700'X1,510'	N/C
RUNWAY 5 LATITUDE	34° 41' 01.23" N	34° 40' 54.48" N	34° 40' 51.12" N	N/C
RUNWAY 5 LONGITUDE	81° 38' 43.60" W	81° 38' 52.36" W	81° 38' 56.76" W	N/C
RUNWAY 23 LATITUDE	34° 41' 24.83" N	N/C	N/C	N/C
RUNWAY 23 LONGITUDE	81° 38' 12.80" W	N/C	N/C	N/C
RUNWAY END ELEVATION (ASL) RWY 5	574.19 (SURVEYED)	583.00	587.80	N/C
RUNWAY END ELEVATION (ASL) RWY 23	610.00 (SURVEYED)	N/C	N/C	N/C
DISPLACED THRESHOLD ELEVATION (MSL)	NONE	N/C	N/C	N/C
RUNWAY 5 TDZ ELEVATION (MSL)	604.1	589.05	594.27	N/C
RUNWAY 23 TDZ ELEVATION (MSL)	610.2	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

AIRPORT DATA TABLE

DESCRIPTION		EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)		610.2	N/C
AIRPORT REFERENCE POINT (NAD 83)	LATITUDE	34° 41' 13.03" N	34° 41' 07.96" N
	LONGITUDE	81° 38' 28.20" W	81° 38' 34.78" W
MEAN MAXIMUM TEMPERATURE (HOTTEST MONTH)		92° (F)	N/C
AIRPORT TERMINAL AREA NAVAIDS		GPS, ROTATING BEACON, NDB	N/C
MAGNETIC VARIATION		7°01'48" (W)	N/A
DATE OF MAGNETIC VARIATION		MARCH 2016	N/C
NPIAS SERVICE LEVEL		GENERAL AVIATION	N/C
STATE CLASSIFICATION		SC-IV (2008) - SC-III (2015)	SC-III
AIRPORT REFERENCE CODE (ARC)		B-II	N/C
TAXIWAY STRENGTH		12,500 LBS. SW	30,000 LBS. SW
TAXIWAY LIGHTING		MITL	N/C
TAXIWAY MARKING		YES	N/C
GPS AVAILABILITY AT AIRPORT		RUNWAY 5 (STRAIGHT-IN) RUNWAY 23 (STRAIGHT-IN)	N/C N/C

LEGEND

EXISTING	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-(ULT)
	ILS CRITICAL AREA	
	AIRPORT PAVEMENT	
	AIRPORT REFERENCE POINT	
	AIRPORT BUILDINGS	
	OTHER BUILDINGS	N/A
	AIRPORT PROPERTY LINE	
	AIRPORT EASEMENT LINE	
	OTHER PROPERTY LINES	N/A
	RAILROAD	N/A
—X—X—X—	FENCE	—X—X—X—
	ROADS	
	TREE LINE	N/A
	WETLANDS	N/A
180	GROUND ELEVATION CONTOURS	
	DITCH/CREEK	N/A
oooo	THRESHOLD LIGHTS	oooo
N/A	PAVEMENT TO BE REMOVED	
STAGE I (0–5 YEARS)	STAGE II (6–10 YEARS)	STAGE III (11–20 YEARS)

CONSTRUCTION NOTICE REQUIREMENT

TO PROTECT OPERATIONAL SAFETY AND 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.

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

________________ DATE: ________

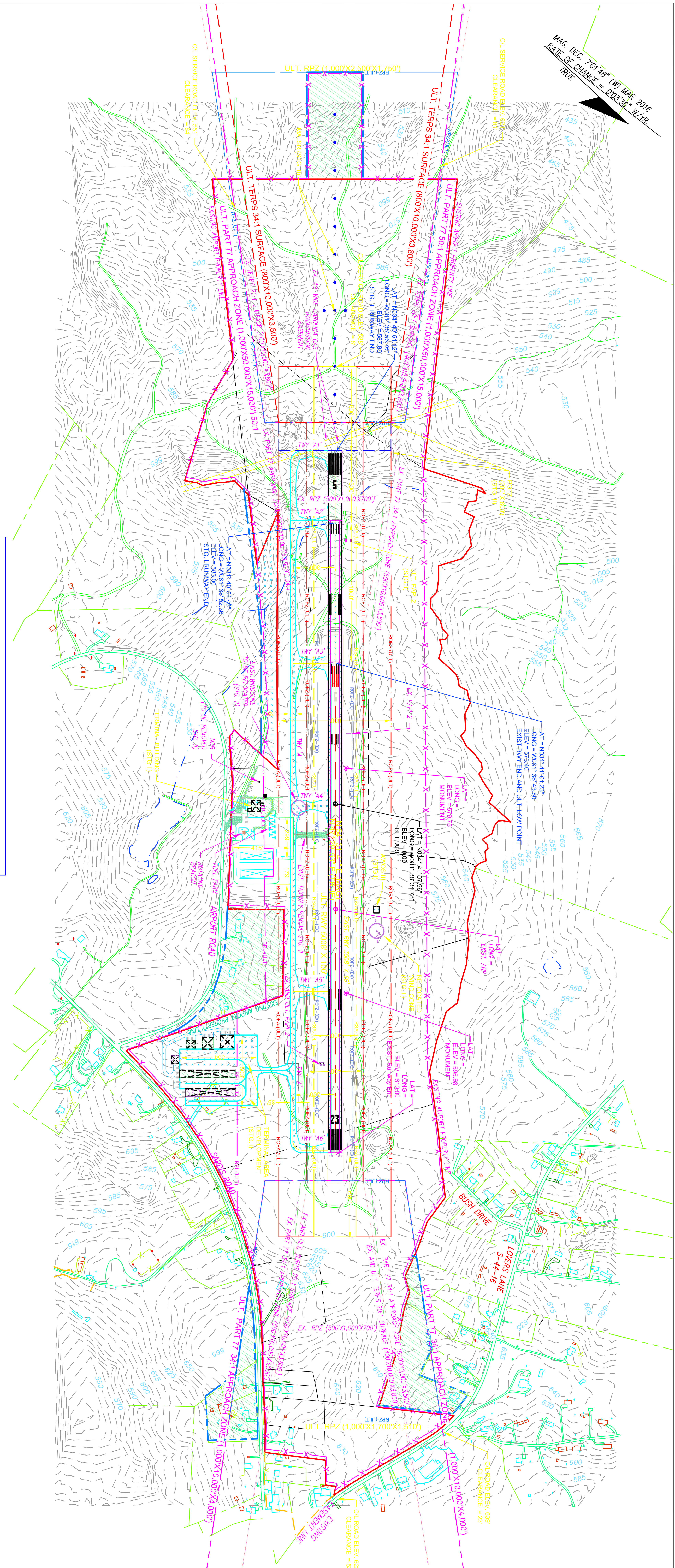
RONNIE WADE
UNION COUNTY AIRPORT MANAGER

NOTES

1. ALL LATITUDE AND LONGITUDE COORDINATES ARE IN NAD '83 FORMAT.
2. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO NAVD 88.
3. PLANIMETRICS/CONTOURS WERE OBTAINED AUGUST 2014 BY QUANTUM SPATIAL.

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

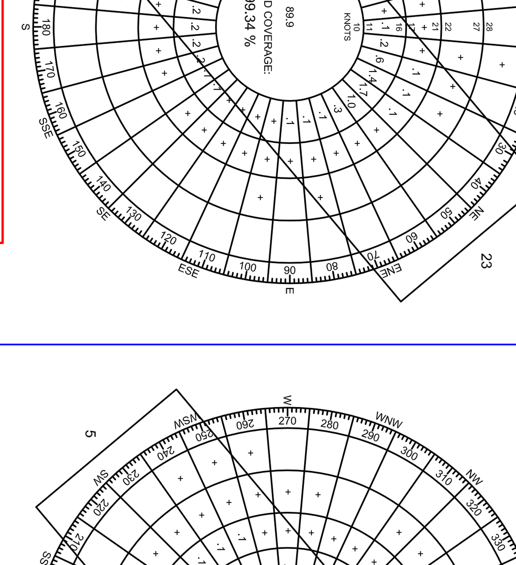
ACCEPTANCE OF THIS REPORT BY THE FAA/SCAC DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED THEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS."



GRAPHIC SCALE

(IN FEET)
1 inch = 400 ft.

UNION COUNTY AIRPORT
IFR WEATHER WIND ROSE

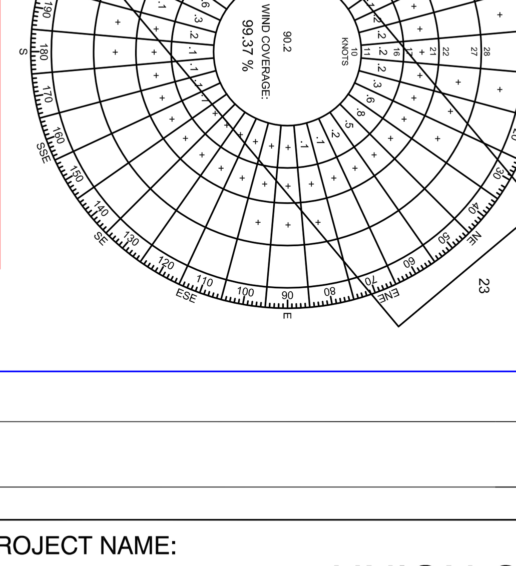


DIRECTION	IFR		
	10.5 KTS/ 12 MPH	13 KTS/ 15 MPH	16 KTS/ 18 MPH
5	43.77	43.98	44.13
23	33.42	33.96	34.35
CALMS	21.45	21.45	21.45
TOTAL	98.58	99.34	99.87
NOT COVERED	1.42	0.66	0.13

NOTE: MAY NOT TOTAL DUE TO ROUNDING

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: GREENVILLE SPARTANBURG INTERNATIONAL AIRPORT GREER, SC
PERIOD COVERED 2005-2014

UNION COUNTY AIRPORT
ALL WEATHER WIND ROSE



DIRECTION	ALL WEATHER		
	10.5 KTS/ 12 MPH	13 KTS/ 15 MPH	16 KTS/ 18 MPH
5	37.74	38.12	38.39
23	39.16	39.59	39.86
CALMS	21.74	21.74	21.74
TOTAL	98.56	99.37	99.91
NOT COVERED	1.44	0.63	0.09

NOTE: MAY NOT TOTAL DUE TO ROUNDING

SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
STATION: GREENVILLE SPARTANBURG INTERNATIONAL AIRPORT GREER, SC
PERIOD COVERED 2005-2014

PLANNING DOCUMENT - FINAL

PROJ. MGR.: JJB
DESIGN BY: JJB / FDL
DRAWN BY: FDL
PROJ. DATE: 10-28-2015
DRAWING NUMBER:

2 OF 13

WKD PROJ. NO.:
20130154.00.CA

PROJECT NAME:

UNION COUNTY AIRPORT LAYOUT PLAN

UNION, SOUTH CAROLINA

DRAWING TITLE:

AIRPORT LAYOUT PLAN

REVISION RECORD

NO.	DATE	DESCRIPTION	BY

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

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