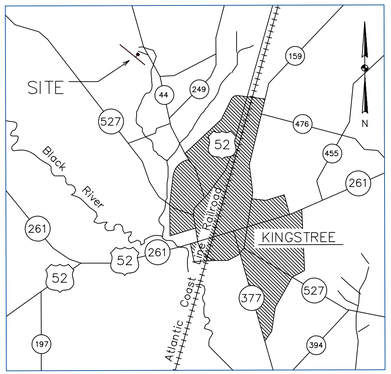
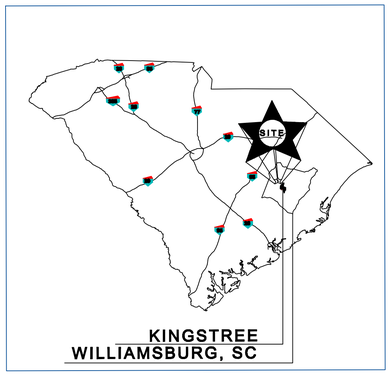


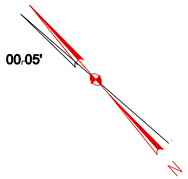
LOCATION MAP:
WILLIAMSBURG COUNTY, SC



VICINITY MAP:
WILLIAMSBURG COUNTY, SC

ANNUAL RATE OF CHANGE: 00.05'

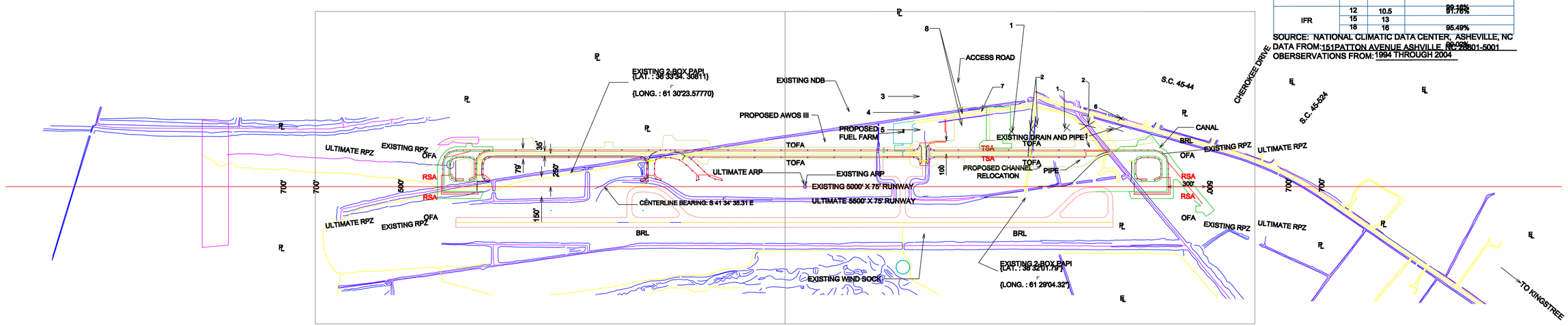
DECLINATION: 07°16'



WIND ROSE DATA

	MPH	KNOTS	RUNWAY END COVERAGE RUNWAY __
ALL WEATHER	12	10.5	91.81%
	15	13	
	18	16	95.60%
IFR	12	10.5	89.16% 91.76%
	15	13	
	18	16	95.49% 96.02%

SOURCE: NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NC
DATA FROM: 151 PATTON AVENUE ASHVILLE, NC 28801-5001
OBERSERVATIONS FROM: 1994 THROUGH 2004



LEGEND

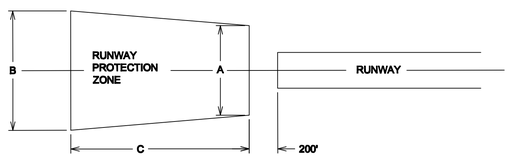
AIRPORT REFERENCE POINT	
RUNWAY SAFETY AREA	RSA
TAXIWAY SAFETY AREA	TSA
RUNWAY OBJECT FREE AREA	OFA
TAXIWAY OBJECT FREE AREA	TOFA
AIRPORT PROPERTY LINE	PL
AIRPORT EASEMENT LINE	EL
BUILDING RESTRICTION LINE	BRL
TIE DOWN MARKINGS	
RUNWAY AND TAXIWAY LIGHTS	
TREE LINE	
TREES	
BILL BOARDS	
GROUND ELEVATION CONTOUR LINE	
POSTS	
POWER POLE	
DEPRESSION CONTOUR LINE	
EXISTING HIGHWAY	
EXISTING 2-BOX PAPI	
PROPOSED AWOS III	
EXISTING WELL AND PUMP	
EXISTING ANTENNA	
EXISTING FENCE	
PROPOSED PIPES	

STAGING SHAPES

PHASE I (0 - 5 YEARS)	PHASE II (6 - 10 YEARS)	PHASE III (11 - 20 YEARS)	EXISTING

FACILITIES LIST

1	EXISTING HANGARS
2	EXISTING AIRPLANE CANOPIES
3	EXISTING PARKING AREA
4	EXISTING TERMINAL
5	EXISTING APRON
6	EXISTING MOBILE HOME
7	PROPOSED 10 UNIT HANGAR
8	PROPOSED 60 X 60 HANGARS
9	
10	



AIRPORT DATA

SPONSOR	WILLIAMSBURG REGIONAL AIRPORT	
CITY	KINGSTREE	
COUNTY	WILLIAMSBURG	
STATE	SOUTH CAROLINA	
AIRPORT IDENTIFIER	CKI	
GPS AT AIRPORT	NO	
MEAN MAXIMUM TEMPERATURE	90° F	
	RUNWAY 14 - 32	
	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	67.9' MSL	SAME
AIRPORT REFERNECE POINT (ARP) DATA (NAD 83) LAT.	33°43' 02.04"	SAME
LONG.	79°51' 25.06"	SAME
AIRPORT & TERMINAL	NDB	NDB
AIRPORT REFERENCE CODE(ARC)	B-II	B-II
DESIGN AIRCRAFT	FALCON 50	
TOUCHDOWN ZONE ELEVATION	65.9'	67.3'

RUNWAY DATA

RUNWAY 14-32				
		EXISTING		ULTIMATE
RUNWAY	14	32	14	32
% EFFECTIVE GRADIENT	0.0%	0.0%	0.0%	0.0%
% WIND COVERAGE (MPH & knots)	12 MPH - 10.5 KNOTS	12 MPH - 10.5 KNOTS	12 MPH - 10.5 KNOTS	12 MPH - 10.5 KNOTS
MAXIMUM ELEVATION ABOVE MSL	67.9MSL	67.9MSL	67.9MSL	67.9MSL
RUNWAY LENGTH	5,000	5,000	5,500	5,500
RUNWAY WIDTH	75'	75'	75'	75'
RUNWAY SURFACE TYPE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
RUNWAY STRENGTH (000's lbs.)	30,000 lbs.	30,000 lbs.	30,000 lbs.	30,000 lbs.
PART 77 APPROACH CATEGORY	NDB or GPS	VISUAL	NDB or GPS	VISUAL
APPROACH VISIBILITY MINIMUMS	NOT LOWER THAN ONE MILE	VISUAL AND NOT LOWER THAN ONE MILE	NOT LOWER THAN ONE MILE	VISUAL AND NOT LOWER THAN ONE MILE
TYPE INSTRUMENT APPROACH	NPI	NPI	NPI	NPI
APPROACH SLOPE	20:1	20:1	34:1	34:1
RUNWAY LIGHTING	MIRL	MIRL	MIRL/MITL	MIRL/MITL
RUNWAY MARKING	BASIC	BASIC	BASIC	BASIC
NAVAIDS & VISUAL AIDS	PAPI, NDB, ROTATING-BEACON, LL WINDCONE / SEGMENTED CIRCLE	PAPI, NDB, ROTATING-BEACON, LL WINDCONE / SEGMENTED CIRCLE	PAPI, NDB, ROTATING-BEACON, LL WINDCONE / SEGMENTED CIRCLE	PAPI, NDB, ROTATING-BEACON, LL WINDCONE / SEGMENTED CIRCLE
SAFETY AREA DIMENSIONS	5600' X 150'	5600' X 150'	6100' X 150'	6100' X 150'
OBJECT FREE AREA DIMENISIONS	5600' X 500'	5600' X 500'	6100' X 500'	6100' X 500'
DECLARED DISTANCES				
RUNWAY HIGH POINTS	66.9'	67.3'	66.9'	67.3'
RUNWAY LOW POINTS	66.9'	65.2'	64.4'	65.2'

RUNWAY PROTECTION ZONE DATA

RUNWAY END	ULTIMATE CATEGORY	APPROACH SLOPE EXISTING	APPROACH SLOPE ULTIMATE	EXISTING RPZ DIMENSIONS A	B	C	ULTIMATE RPZ DIMENSIONS A	B	C
RUNWAY 14	B II	20:1	34:1	500'	700'	1,000'	500'	1010'	1,700'
RUNWAY 32	B II	20:1	34:1	500'	700'	1,000'	500'	1010'	1,700'

RUNWAY END DATA

RUNWAY END	EXISTING END DATA ELEVATION	LATITUDE	LONGITUDE	ULTIMATE END DATA ELEVATION	LATITUDE	LONGITUDE
RUNWAY 14	65.8'	33°43' 18.65"	79°51' 47.01"	65.0'	33°43' 21.98"	79°51' 51.39"
RUNWAY 32	65.2'	33°42' 45.41"	79°51' 03.16"	63.3'	33°42' 42.09"	79°50' 58.77"

REVISIONS:

REV. NO.	DATE	DESCRIPTION OF REVISION
–		
–		
–		
–		
–		
–		
–		

0 400 800 1200 1600
SCALE: 1" = 400'

DESIGNED BY	GTC	DATE	JAN. 23 2004
DRAWN BY	JCL	DATE	JAN. 23 2004
CHECKED BY	GTC	DATE	JAN. 23 2004

APPROVALS:

2004

TITLE DATE
TITLE DATE
TITLE DATE

PLANS PREPARED BY
ENGINEERS PLANNERS ECONOMISTS
Wilbur Smith Associates

PLANS PREPARED FOR
WILLIAMSBURG REGIONAL AIRPORT
WILLIAMSBURG COUNTY, SC

PROJECT NO. (CLIENT) 03-45-0033-005
PROJECT NO. (WSA) 388460

AIRPORT LAYOUT PLAN

DATE: MARCH ,2004
FILE: I:\422\CKI\MASTER\MASTERPLAN\00_ALP.DGN

NO. 2 OF 8