EXISTING FEATURE

NO.	FEATURE
E1	NGS SURVEY MONUMENT (PERRY APT) N=913147.76, E=2419897.48, ELEV.= 418.08 (SE NOTE 1)
E2	NGS SURVEY MONUMENT (PERRY APT AZ MK) N=911548.74, E=2419358.62, ELEV.= 410.60 (SEE NOTE 1)
E3	AIRCRAFT PARKING APRON (300'x330')
E4	AIRCRAFT PARKING APRON (EXISTING: 575'x200')
E5	LIGHTED WIND CONE AND SEGMENTED CIRCLE
E6	SUPPLEMENTAL WIND CONE
E7	2-BOX PAPI
E8	FUEL FARM
E9	1,000 GAL. 100LL SELF SERVE FUEL TANK
E10	AUTOMOTIVE PARKING
E11	LOCALIZER
E12	MEDIUM APPROACH LIGHTING SYSTEM W/ RAIL (MALSR)
E13	GLIDESLOPE ANTENNA

EXISTING FACILITIES

NO.	STRUCTURE	ELEV.
B1	TERMINAL BUILDING	428.9'
B2	14 UNIT T-HANGAR	428.4'
B3	14 UNIT T-HANGAR	428.5'
B4	14 UNIT T-HANGAR	427.9'
B5	14 UNIT T-HANGAR	428.8'
B6	GEORGIA STATE PATROL HANGAR	435.7'
B7	10 UNIT OPEN-AIR T-HANGAR	425.8'
B8	CORPORATE HANGAR	433.8'
B9	MAINTENANCE FACILITY	431.4'
B10	CORPORATE HANGAR	430.7'
B11	CORPORATE HANGAR	N/A
B12	CORPORATE HANGAR	445.4'
B13	CORPORATE HANGAR	434.2'
B14	CORPORATE HANGAR	438.0'
B15	CORPORATE HANGAR	440.4'

PROPOSED FEATURE

NO.	FEATURE
P1	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM W/ RAIL (MALSR)
P2	GLIDE SLOPE ANTENNA
P3	2-BOX PAPI
P4	AIRCRAFT PARKING APRON (1,075'x271')
P5	AIRCRAFT PARKING APRON (655'x225')
P6	AUTOMOTIVE PARKING

PROPOSED FACILITIES

NO.	STRUCTURE
PB1	75'x50' TERMINAL BUILDING
PB2	100'x100' CORPORATE HANGAR
PB3	80'x80' CORPORATE HANGAR
PB4	50'x50' CORPORATE HANGAR
PB5	10-UNIT T-HANGAR

PART 77 VERTICAL ROAD CLEARANCE CHART

POINT	DESCRIPTION	APPROX. ROAD ELEV. (msl)	EXISTING PART 77 APPROACH SURFACES		ULTIMATE PART 77 APPROACH SURFACES		PROPOSED ACTION
			ELEV. (msl)	APPROX. CLEARANCE	ELEV. (msl)	APPROX. CLEARANCE	
R1	TODD RD.	417.7'	A 460.6'	42.9'	A 460.6'	42.9'	NONE
R2	TODD RD.	421.0'	A 460.7'	39.7'	A 460.7'	39.7'	NONE
R3	TODD RD.	423.2'	A 456.3'	33.1'	A 456.3'	33.1'	NONE
R4	AIRPORT RD.	375.1'	A 444.2'	69.1'	A 421.9'	46.8'	RELOCATE

A=APPROACH T=TRANSITIONAL P=PRIMARY H=HORIZONTAL

FAR PART 77 REQUIRES THE FOLLOWING CLEARANCES:
10 FEET ABOVE PRIVATE ROADS
15 FEET ABOVE PUBLIC ROADS
17 FEET ABOVE INTERSTATE HIGHWAYS
23 FEET ABOVE RAILROADS
ELEVATION = ACTUAL RAILROAD/ROADWAY ELEVATION AND FAR PART 77 CLEARANCE

AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE	B-II	C-II
MEAN MAX. TEMP. HOTTEST MONTH	93°F	93°F
AIRPORT ELEVATION	418.2'	418.2'
NAVIGATIONAL AIDS	BEACON, GPS	BEACON, GPS
AIRPORT REFERENCE POINT COORDINATES (NAD83)	N 32°30'38.10"	N 32°30'33.12"
	W 83°46'02.40"	W 83°46'02.39"
MISCELLANEOUS FACILITIES	LIGHTED WIND CONE, AWOS, TAXIWAY LIGHTING	LIGHTED WIND CONE, AWOS, TAXIWAY LIGHTING
CRITICAL AIRCRAFT	CITATION III	CHALLENGER 300
NPIAS SERVICE LEVEL	GENERAL AVIATION	GENERAL AVIATION
GDOT AIRPORT SYSTEM	LEVEL II	LEVEL II
MAGNETIC DECLINATION / SOURCE / DATE	5°2' W / NOAA / 9-27-2017	

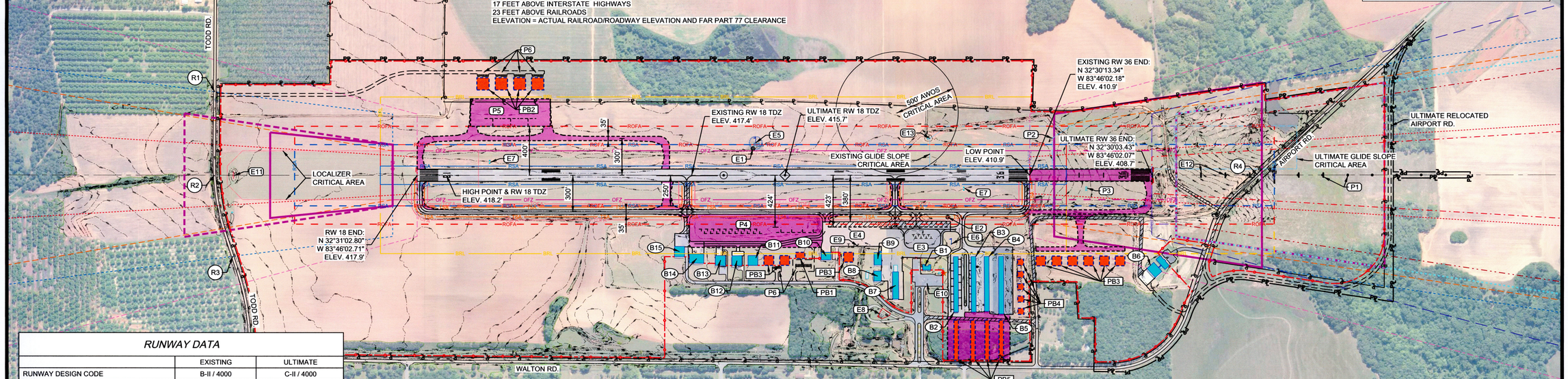
DECLARED DISTANCES

RUNWAY NUMBER	(LDA) LANDING DISTANCE AVAILABLE		(ASDA) ACCELERATED STOP DISTANCE AVAILABLE		(TODA) TAKEOFF DISTANCE AVAILABLE		(TORA) TAKEOFF RUN AVAILABLE	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
18	4,999'	6,000'	4,999'	6,000'	4,999'	6,000'	4,999'	6,000'
36	4,999'	6,000'	4,999'	6,000'	4,999'	6,000'	4,999'	6,000'

TAXIWAY AND TAXILANE DATA

	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	2	2
TAXIWAY AND TAXILANE WIDTH	35'	35'
TAXIWAY AND TAXILANE SAFETY AREA	79'	79'
TAXIWAY OBJECT FREE AREA	131'	131'
TAXIWAY EDGE SAFETY MARGIN (TESM)	7.5'	7.5'
TAXILANE OBJECT FREE AREA	115'	115'
TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE	105'	105'
TAXIWAY CENTERLINE TO FIXED OR MOVEABLE OBJECT	65.5'	65.5'
TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE	97'	97'
TAXILANE CENTERLINE TO FIXED OR MOVEABLE OBJECT	57.5'	57.5'
TAXIWAY AND TAXILANE LIGHTING	MITL	MITL

AERIAL MAPPING AND PHOTOGRAPHY PROVIDED BY:
QUANTUM SPATIAL, INC.
SURVEY DATE: MAY 8, 2017



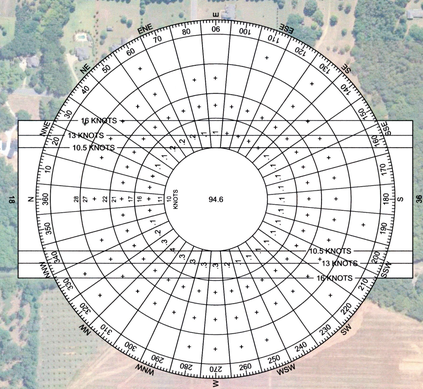
RUNWAY DATA

		EXISTING	ULTIMATE
RUNWAY DESIGN CODE		B-II / 4000	C-II / 4000
APPROACH REFERENCE CODE		B-III / 4000, D-II / 4000	B-III / 4000, D-II / 4000
DEPARTURE REFERENCE CODE		B-III, D-II	B-III, D-II
PAVEMENT MATERIAL TYPE		ASPHALT	ASPHALT
PAVEMENT STRENGTH BY WHEEL LOADING		30,000 SWL	N/A
PAVEMENT STRENGTH BY PCN		N/A	12/F/B/Y/T
PAVEMENT SURFACE TREATMENT		NONE	NONE
EFFECTIVE RUNWAY GRADIENT		0.15%	0.12%
% WIND COVERAGE		SEE WINDROSE TABLES	SEE WINDROSE TABLES
RUNWAY LIGHTING		HIRL	HIRL
RUNWAY LENGTH		4,999'	6,000'
RUNWAY WIDTH		100'	100'
RUNWAY END COORDINATES (NAD 83)	RW 18	N 32°31'02.80" W 83°46'02.71"	N 32°31'02.80" W 83°46'02.71"
	RW 36	N 32°30'13.34" W 83°46'02.18"	N 32°30'03.43" W 83°46'02.07"
RUNWAY END ELEVATIONS	RW 18	417.9'	417.9'
	RW 36	410.9'	408.7'
RUNWAY ORIENTATION		179°15'43" 359°15'43"	179°15'43" 359°15'43"
MARKINGS	RW 18	NON-PRECISION	NON-PRECISION
	RW 36	PRECISION	PRECISION
CFR PART 77 APPROACH CATEGORY	RW 18	34:1	34:1
	RW 36	50:1	50:1
APPROACH TYPE	RW 18	RNAV(GPS)	RNAV(GPS)
	RW 36	ILS, RNAV(GPS)	ILS, RNAV(GPS)
APPROACH VISIBILITY MINIMUMS	RW 18	1 MILE	1 MILE
	RW 36	≥ 3/4 MILE	≥ 3/4 MILE
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH	RW 18	NVGS	NVGS
	RW 36	NVGS	NVGS
RUNWAY DEPARTURE SURFACE	RW 18	YES	YES
	RW 36	YES	YES
THRESHOLD SITING SURFACE	RW 18	CATEGORY 4	CATEGORY 4
	RW 36	CATEGORY 6	CATEGORY 6
GLIDE PATH QUALIFICATION SURFACE (GQS)	RW 18	CATEGORY 8	CATEGORY 8
	RW 36	CATEGORY 8	CATEGORY 8
INSTRUMENT APPROACH NAVAIDS	RW 18	GPS	GPS
	RW 36	LOC, GS, GPS	LOC, GS, GPS
VISUAL APPROACH NAVAIDS	RW 18	PAPI-2L	PAPI-2L
	RW 36	PAPI-2L, MALSR	PAPI-2L, MALSR
TOUCHDOWN ZONE ELEVATIONS	RW 18	418.2'	418.2'
	RW 36	417.4'	415.7'

ALL WEATHER WIND ROSE

RUNWAY	10.5 KNOT	13 KNOT	16 KNOT
18/36	97.08%	98.53%	99.73%

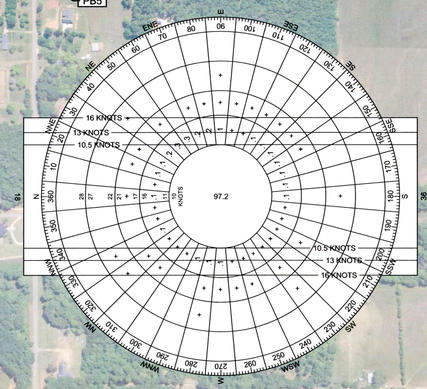
396,980 OBSERVATIONS MADE
OVER THE PERIOD OF 2007-2016
STATION # 722170 MIDDLE GEORGIA REGIONAL AIRPORT &
STATION # 722217 W.H. 'BUD' BARRON AIRPORT



IFR WIND ROSE

RUNWAY	10.5 KNOT	13 KNOT	16 KNOT
18/36	98.58%	99.33%	99.90%

33,027 OBSERVATIONS MADE
OVER THE PERIOD OF 2007-2016
STATION # 722170 MIDDLE GEORGIA REGIONAL AIRPORT &
STATION # 722217 W.H. 'BUD' BARRON AIRPORT



MAG. DEC.
MAGNETIC DECLINATION
5°2' W - 2017 ANNUAL
RATE OF CHANGE - 0°5' W

0 400 800 1200
SCALE IN FEET

FAR PART 77 APPROACH DIMENSIONS

RWY 18 EXISTING	1,000'IW X 3,500'OW X 10,000'L
RWY 18 ULTIMATE	1,000'IW X 3,500'OW X 10,000'L
RWY 36 EXISTING	1,000'IW X 16,000'OW X 50,000'L
RWY 36 ULTIMATE	1,000'IW X 16,000'OW X 50,000'L

RUNWAY PROTECTION ZONE DIMENSIONS

RWY 18 EXISTING	500'IW X 700'OW X 1,000'L (APPROACH)
RWY 18 ULTIMATE	500'IW X 1,010'OW X 1,700'L (APPROACH)
RWY 36 EXISTING	1,000'IW X 1,510'OW X 1,700'L (APPROACH)
RWY 36 ULTIMATE	1,000'IW X 1,510'OW X 1,700'L (APPROACH)

RUNWAY SAFETY AREA DIMENSIONS

RWY END	EXISTING	ULTIMATE
18	150'W X 300' BEYOND END OF RUNWAY	500'W X 1,000' BEYOND END OF RUNWAY
36	150'W X 300' BEYOND END OF RUNWAY	500'W X 1,000' BEYOND END OF RUNWAY

OBJECT FREE AREA DIMENSIONS

RWY END	EXISTING	ULTIMATE
18	500'W X 300' BEYOND END OF RUNWAY	800'W X 1,000' BEYOND END OF RUNWAY
36	500'W X 300' BEYOND END OF RUNWAY	800'W X 1,000' BEYOND END OF RUNWAY

OBSTACLE FREE ZONE DIMENSIONS

RWY END	EXISTING	ULTIMATE
18	400'W X 200' BEYOND END OF RUNWAY	400'W X 200' BEYOND END OF RUNWAY
36	400'W X 200' BEYOND END OF RUNWAY	400'W X 200' BEYOND END OF RUNWAY

APPROVAL

~~CONDITIONALLY~~
APPROVED
FAA STATE BLOCK GRANT PROGRAM
APPROVAL SUBJECT TO COMMENTS IN APPROVAL LETTER
APPROVING OFFICIAL
DATE 8/7/2018
INTERMODAL PROGRAMS – AVIATION
GEORGIA DEPARTMENT OF TRANSPORTATION

NOTES:
1. ALL COORDINATES AND ELEVATIONS SHOWN ARE BASED OFF OF NAD83 (HORIZONTAL) AND NAVD88 (VERTICAL) DATUMS.
2. THE BUILDING RESTRICTION LINE (BRL) IS BASED ON TRANSITIONAL SURFACE ELEVATION OF 20' OR MOST DEMANDING DESIGN STANDARD.
3. PAVEMENT STRENGTH IS BASED ON THE CURRENT PUBLISHED STRENGTH CONTAINED IN THE AIRPORT MASTER RECORD. NO GEOTECHNICAL INVESTIGATION WAS PERFORMED TO VERIFY THE PAVEMENT STRENGTH.
4. RUNWAY MEETS LINE OF SIGHT REQUIREMENTS.
5. DISTANCE FROM RUNWAY EDGE TO PAPI'S ARE 50'.
6. VIOLATIONS TO THE THRESHOLD SITING SURFACES ARE DEPICTED ON THE INNER APPROACH DRAWING SHEETS.
7. MODIFICATION OF STANDARDS: NONE REQUIRED

LEGEND

	EXISTING	ULTIMATE
RUNWAY SAFETY AREA (RSA)	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	OFA	OFA
RUNWAY OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ
RUNWAY PROTECTION ZONE (RPZ)		
BUILDING RESTRICTION LINE (BRL)	BRL	BRL
APPROACH SURFACE		
THRESHOLD SITING SURFACE		
GLIDE SLOPE QUALIFICATION SURFACE		
DEPARTURE SURFACE		
TAXIWAY SAFETY AREA (TSA)	TSA	TSA
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	TOFA
AIRPORT REFERENCE POINT		
AIRPORT PAVEMENT		
AIRPORT BUILDINGS		
OTHER BUILDINGS		N/A
AIRPORT PROPERTY LINE / EASEMENTS		
FENCE		
ROADS		
GROUND ELEVATION CONTOURS		N/A
ROTATING BEACON		N/A
PAPI		
THRESHOLD LIGHTS		
UTILITY POLE		N/A
TO BE REMOVED	N/A	

BARGE DESIGN SOLUTIONS
2047 West Main Street // Suite 1 // Dothan, Alabama 36301
PHONE (334) 793-6286 // FAX (334) 793-4459

AIRPORT LAYOUT DRAWING

PROJECT NO. AP017-9031-25(153) HOUSTON COUNTY
PERRY-HOUSTON COUNTY AIRPORT
PERRY, GEORGIA

DR.	CHK.	DATE	DESCRIPTION
JEC	DKS	4-18-2018	AIRPORT LAYOUT PLAN UPDATE

1

FILE NO. 36206-03

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