

CAPITAL IMPROVEMENT PLAN

FOLEY MUNICIPAL AIRPORT 2022-2027

OCTOBER 1, 2021

PREPARED BY:

VOLKERT

1110 Montlimar Dr.
Suite 1050
Mobile, AL 36609

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**AIRPORT CAPITAL IMPROVEMENT PLAN
 FISCAL YEARS 2021 TO 2025**

AIRPORT: Foley Municipal Airport		COUNTY: Baldwin County	AIRPORT CONTACT:			
ADDRESS: 510 North Airport Road Foley, AL 36535			Ms. Rachel Keith, Airport Manager PHONE: (251) 943-1545 FAX: (251) 970-2144 EMAIL: rkeith@cityoffoley.org			
FISCAL YEAR	PROJECT DESCRIPTION (BY PRIORITY ORDER)	FEDERAL FUNDS	STATE FUNDS	LOCAL FUNDS	PROJECT TOTAL	
2022	Master Plan / ALP Update	\$72,000.00	\$4,000.00	\$4,000.00	\$80,000.00	
2023	No project	\$0.00	\$0.00	\$0.00	\$0.00	
2024	Construct 8-Unit T-Hangar and Access Taxiways	\$378,000.00	\$21,000.00	\$404,806.00	\$803,806.00	
2025	No project	\$0.00	\$0.00	\$0.00	\$0.00	
2026	No project	\$0.00	\$0.00	\$0.00	\$0.00	
2027	Construct Terminal Building	\$450,000.00	\$500,000.00	\$686,500.00	\$1,636,500.00	

FISCAL YEAR
2022

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2022

Master Plan / ALP Update

The sponsor intends to seek Federal and State funding for Fiscal Year 2022 for the above referenced project. The project description and cost estimate are based on current FAA requirements.

Project Description:

This project will provide for updating the airport’s existing airport layout plan (ALP) as described by FAA and in accordance with AC 150/5070-6B. The last ALP update was completed in January 2013. The proposed update will incorporate recent modifications to the airfield and update the forecast and growth needs for the next planning cycle.

Cost Estimate:

SUMMARY OF ESTIMATED PROJECT COST	
FY22	
MASTER PLAN / ALP UPDATE	
Item Description	Total Amount
CONTROL SURVEY	\$7,500.00
AERIAL PHOTOGRAPHY	\$40,000.00
UPDATE MASTER PLAN / ALP (PLAN SHEETS & NARRATIVE)	\$32,500.00
<i>PROJECT TOTAL</i>	
	\$80,000.00

FISCAL YEAR
2024

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2024

Construct 8-Unit T-Hangar and Access Taxiways:

The following project description and detailed cost estimate are for Fiscal Year 2024 for which the sponsor intends to seek Federal and State funding. The project description and cost estimate are based on visual inspection of estimated conditions or expected conditions for future projects. A detailed investigation should be performed during the design phase.

Project Description:

The project will include the construction of a new pre-engineered hangar and access taxiways. The hangar will be a 8-unit T-hangar located South of the existing adjacent T-hangars on the South Apron. The City of Foley has a long waiting list of tenants wanting hangar space at the Airport. The hangar and taxiways will provide additional hangar space increasing the airport's economic sustainability.

Cost Estimate:

SUMMARY OF ESTIMATED PROJECT COST				
FY24				
CONSTRUCT 8-UNIT T-HANGAR & ACCESS TAXIWAYS				
Item Description	Unit	Quantity	Unit Price	Total Amount
8-UNIT NESTED T-HANGAR	LS	1	\$400,000.00	\$400,000.00
ASPHALT PAVEMENT (3.5" THICK)	TON	450	\$120.00	\$54,000.00
EARTHWORK	CY	1,200	\$15.00	\$18,000.00
MARKINGS	SF	1,000	\$3.00	\$3,000.00
CRUSHED AGGREGATE BASE COURSE (3" THICK)	SY	2,250	\$15.00	\$33,750.00
PERMANENT VEGETATION	SY	550	\$8.00	\$4,400.00
DRAINAGE	LS	1	\$60,000.00	\$60,000.00
EROSION CONTROL	LS	1	\$10,000.00	\$10,000.00
MOBILIZATION	LS	1	\$55,000.00	\$55,000.00
CONSTRUCTION TOTAL				\$638,150.00
ENGINEERING SERVICES: PRELIM DESIGN, DESIGN, BID, & CONST ADMIN (12%)				\$76,578.00
FAA DOCUMENTATION				\$7,500.00
DBE PLAN UPDATE				\$5,000.00
CONSTRUCTION INSPECTION AND MATERIAL TESTING (12%)				\$76,578.00
ENGINEERING SERVICES TOTAL				\$165,656.00
PROJECT TOTAL				\$803,806.00

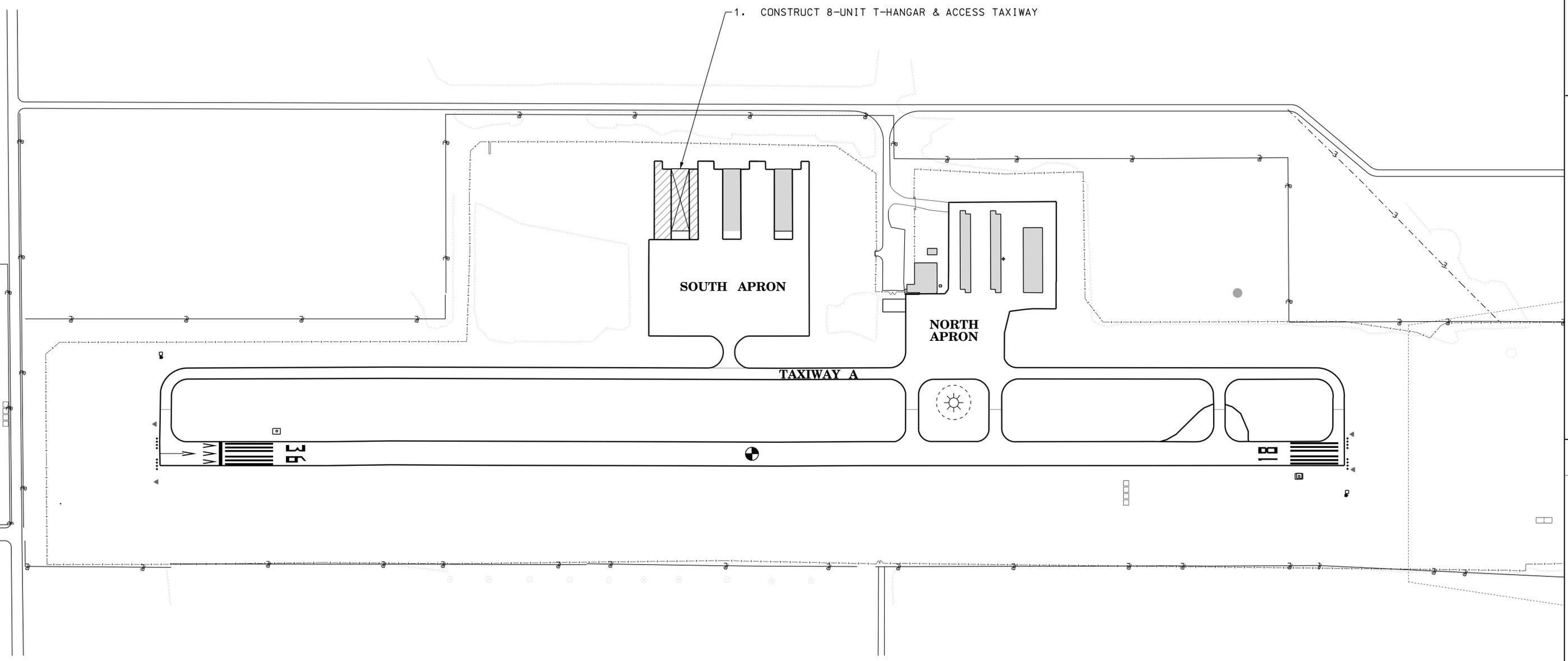
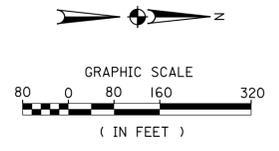
DESIGNED BY: J.H.S.	SUBMITTAL
DETAILED BY: D.L.H.	SCALE: AS NOTED
REVIEWED BY: H.Z.E.	DATE: 10 / 01 / 2021

NO.	DATE	REVISIONS	DESCRIPTION	BY

FY24	PROJECT NO. N/A	AIP NO. N/A
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FY24 PROPOSED PROJECTS:

1. CONSTRUCT 8-UNIT T-HANGAR & ACCESS TAXIWAY



1. CONSTRUCT 8-UNIT T-HANGAR & ACCESS TAXIWAY

SOUTH APRON

NORTH APRON

TAXIWAY A

User: ls: luke.hicks
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FISCAL YEAR
2027

CAPTIAL IMPROVEMENT PLAN

FISCAL YEAR 2027

Construct Terminal Building

The following project description and detailed cost estimate are for Fiscal Year 2027 for which the sponsor intendeds to seek state and local funding. The project description and cost estimate are based on visual inspection of estimated conditions or expected conditions for future projects. A detailed investigation should be performed during the design phase.

Project Description:

This project will provide for the construction of a new general aviation terminal building and associated site development. The new building will be located on the west side of the airport. The exact location will be determined during the Masterplan / ALP update to be performed in FY22. The sponsor intends to utilize one of the pre-designed facilities provided by ALDOT and seek state and federal funding for the construction effort.

Cost Estimate:

SUMMARY OF ESTIMATED PROJECT COST				
FY27				
CONSTRUCT TERMINAL BUILDING				
Item Description	Unit	Quantity	Unit Price	Total Amount
TERMINAL BUILDING	SQFT	3000	\$400.00	\$1,200,000.00
SITE DEVELOPMENT	LS	1	\$200,000.00	\$200,000.00
CONSTRUCTION TOTAL				\$1,400,000.00
ENGINEERING SERVICES: PRELIM DESIGN, DESIGN, BID, CONST ADMIN (8%)				\$112,000.00
FAA DOCUMENTATION				\$7,500.00
DBE PLAN UPDATE				\$5,000.00
CONSTRUCTION INSPECTION AND MATERIAL TESTING (8%)				\$112,00.00
ENGINEERING SERVICES TOTAL				\$236,500.00
PROJECT TOTAL				\$1,636,500.00

AIRPORT LAYOUT PLAN

A.L.P. NO.	PROJECT NO.	SHEET NO.
3-01-0031-008-2010	036002.10	1

LEGEND		
	EXISTING	ULTIMATE
GRADE CONTOURS	~	NOT SHOWN
AIRPORT PROPERTY LINE	---	PPL
EASEMENT	- - - - -	SAME
BUILDING RESTRICTION LINE (BRL)	- · - · - · -	SAME
FENCE LINE	-----	SAME
THRESHOLD LIGHTS	++++	oooo
REIL	▲	△
PVASI	□	N/A
PAPI	N/A	□
BUILDING	▭	▭
PAVEMENT	▭	▭
PECAN TREE	○	SAME
WOODS	▨	SAME

EXISTING DECLARED DISTANCE TABLE				
	TORA	TODA	ASDA	LDA
RWY 18	3700'	3700'	3700'	3700'
RWY 36	3700'	3700'	3700'	3700'

FUTURE DECLARED DISTANCE TABLE				
	TORA	TODA	ASDA	LDA
RWY 18	3575'	3575'	3700'	3700'
RWY 36	3700'	3700'	3700'	3575'

AIRPORT DATA			
	EXISTING	FUTURE	ULTIMATE
AIRPORT REFERENCE POINT	N30°25'39.64"	SAME	N30°25'33.20"
COORDINATES (NAD 83 WEST)	W87°42'03.46"	SAME	W87°42'03.47"
MEAN MAX. TEMP. HOTTEST MONTH	91.2°F	SAME	SAME
AIRPORT ELEVATION	74.54'	73.49'	78.00'
NAVIGATIONAL AIDS	NDB, GPS	SAME	SAME

RUNWAY DATA 1836			
	EXISTING	FUTURE	ULTIMATE
AIRPORT REFERENCE CODE	B-II	SAME	SAME
CRITICAL AIRCRAFT	BEECH SUPER KING AIR B200	SAME	CITATION III
APPROACH VISIBILITY MINIMUMS	720' & 1 MI.	SAME	400' & 1 MI.
RUNWAY LENGTH	3,700'	SAME	5,000'
RUNWAY WIDTH	75'	SAME	SAME
APPROACH SLOPE	20:1/20:1	SAME	SAME
APPROACH TYPE	GPS-NDB-18	SAME	SAME
MARKINGS	NON-PRECISION	SAME	SAME
LIGHTING	MIRL, MITL	SAME	SAME
APPROACH AIDS	PVASI	PAPI	PAPI/REIL
% WIND COVERAGE (10 KNOTS)	94.7%	SAME	SAME
% WIND COVERAGE (13 KNOTS)	97.9%	SAME	SAME
% WIND COVERAGE (16 KNOTS)	99.9%	SAME	SAME
% WIND COVERAGE (20 KNOTS)	100.0%	SAME	SAME
TRUE RUNWAY BEARING	N00°02'59"E	SAME	SAME
EFFECTIVE GRADIENT	0.32%	0.29%	0.30%
PAVEMENT CONSTRUCTION	ASPHALT	SAME	SAME
PAVEMENT STRENGTH	28,000 LBS.	SAME	60,000 LBS.
RUNWAY END COORDINATES (NAD 83 WEST)	RWY 18 N30°25'57.94" W87°42'03.45"	RWY 36 N30°25'21.33" W87°42'03.48"	RWY 18 N30°25'22.56" W87°42'03.49"
RUNWAY END ELEVATIONS	RWY 18 62.86'	RWY 36 74.54'	RWY 36 73.49'

RUNWAY PROTECTION ZONE DIMENSIONS		
RWY END	EXISTING	FUTURE/ULTIMATE
18	1000'L X 500' IW X 700' OW	1000'L X 500' IW X 700' OW
36	1000'L X 500' IW X 700' OW	1000'L X 500' IW X 700' OW

RUNWAY SAFETY AREA DIMENSIONS		
RWY END	EXISTING	FUTURE/ULTIMATE
18	150' W X 300' BEYOND END OF RUNWAY	150' W X 300' BEYOND END OF RUNWAY
36	150' W X 300' BEYOND END OF RUNWAY	150' W X 300' BEYOND END OF RUNWAY

RUNWAY OBJECT FREE AREA DIMENSIONS		
RWY END	EXISTING	FUTURE/ULTIMATE
18	500' W X 300' BEYOND END OF RUNWAY	500' W X 300' BEYOND END OF RUNWAY
36	500' W X 300' BEYOND END OF RUNWAY	500' W X 300' BEYOND END OF RUNWAY

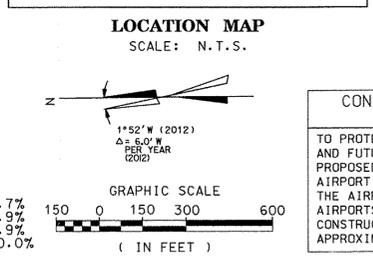
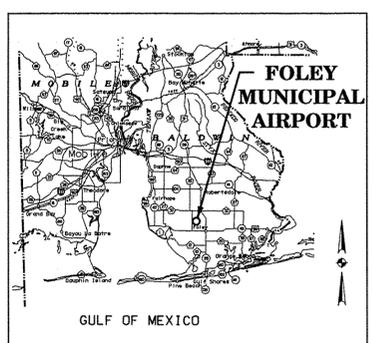
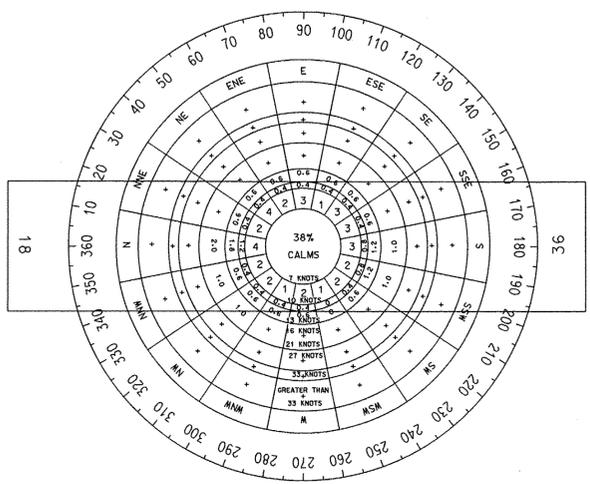
RUNWAY OBSTACLE FREE ZONE DIMENSIONS		
RWY END	EXISTING	FUTURE/ULTIMATE
18	250' W X 200' BEYOND END OF RUNWAY	250' W X 200' BEYOND END OF RUNWAY
36	250' W X 200' BEYOND END OF RUNWAY	250' W X 200' BEYOND END OF RUNWAY

BUILDING DATA		
NO.	STRUCTURE	ELEVATION
B1	ALUMINUM HANGAR	69.64'
B2	T. HANGAR	69.65'
B3	T. HANGAR	69.83'
B4	PUMP HOUSE	71.35'
B5	TERMINAL & HANGAR	72.09'
B6	STORAGE BUILDING	70.00'
B7	T. HANGAR	63.00'

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.

VIOLATIONS TO FAR PART 77 SURFACES				
	DESCRIPTION	ELEVATION	VIOLATION	PROPOSED DISPOSITION
V1	FERN AVE.	76.46'	4.66'	DISPLACE RWY 36 THRESHOLD 125'
V2	FERN AVE.	73.19'	1.28'	



WIND ROSE

SOURCE: U.S. WEATHER BUREAU, CLIMATOGRAPHY OF THE UNITED STATES STATION NO. 82-1 FOR BATES FIELD, MOBILE, ALABAMA

LOCATION: 2 MILES NORTHWEST, CITY OF FOLEY, ALABAMA

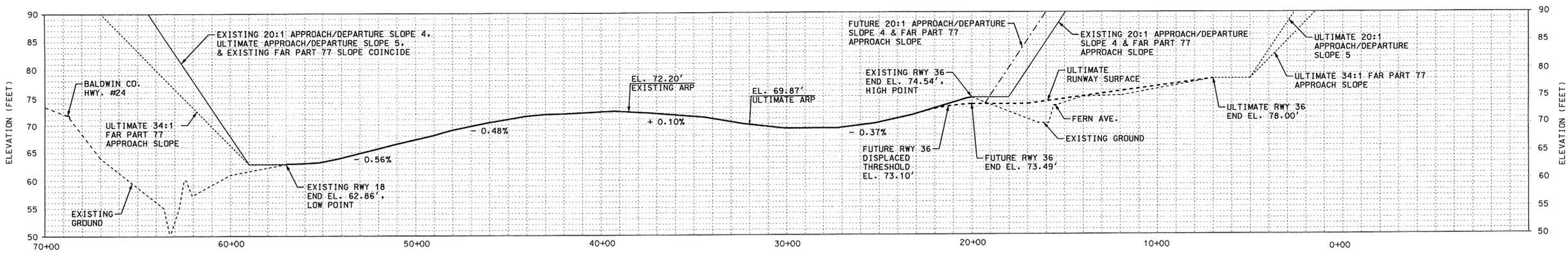
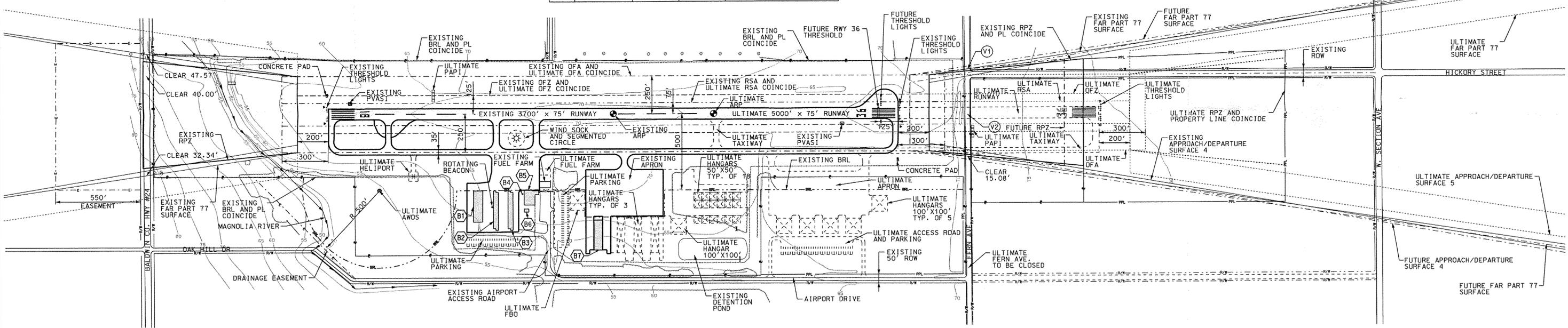
PERCENTAGE OF WIND COVERAGE TO 10 KNOTS CROSSWIND COMPONENT -- 94.7%

PERCENTAGE OF WIND COVERAGE TO 13 KNOTS CROSSWIND COMPONENT -- 97.9%

PERCENTAGE OF WIND COVERAGE TO 16 KNOTS CROSSWIND COMPONENT -- 99.9%

PERCENTAGE OF WIND COVERAGE TO 20 KNOTS CROSSWIND COMPONENT -- 100.0%

PERIOD OF RECORD: 1962



CONDITIONALLY APPROVED
SUBJECT TO PROVISIONS OF
FAA LETTER DATED 1/14/2013
FEDERAL AVIATION ADMINISTRATION
JACKSON, MISSISSIPPI

William J. Jackson

SCALE: HORIZ.: 1"=300'
VERT.: 1"=10'

Joseph A. Bouzard
SPONSOR APPROVAL

NO.	DATE	DESCRIPTION	BY

DESIGNED: M.J.C. CHECKED: B.R.O.
DETAILED: J.R.C. CHECKED: G.B.M.
SCALE: AS NOTED DATE: 01/04/13

VOLKERT

FOLEY MUNICIPAL AIRPORT
FOLEY, ALABAMA

AIRPORT LAYOUT PLAN
FOLEY MUNICIPAL AIRPORT PROJECT NO. 036002.10
SHEET NO.

User: Is: melaar\out\w:\projects\AIRPORT_036002 - Foley\cadd\FOLEY\ALP_Update_2012.dgn Plot: Scale: 1/8"=1'-0" Plot: Color: tables\airport.plt Plot: 01-JAN-2013 12:59