

CAPITAL IMPROVEMENT PLAN

FOLEY MUNICIPAL AIRPORT 2021-2025

SEPTEMBER 1, 2020

PREPARED BY:

VOLKERT

1110 Montlimar Dr.
Suite 1050
Mobile, AL 36609

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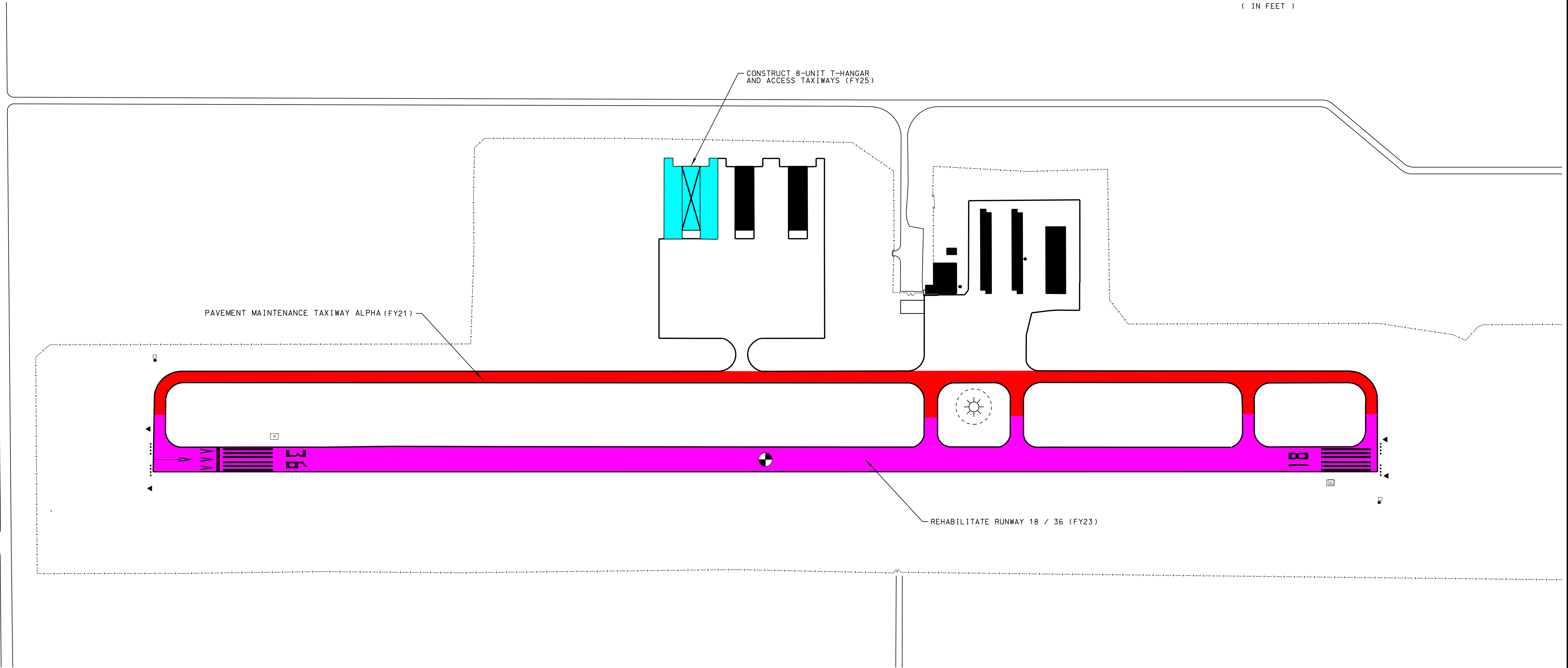
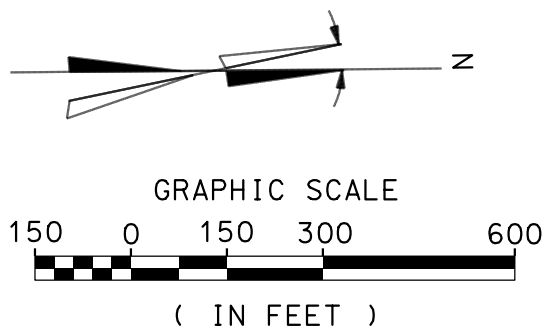


**AIRPORT CAPITAL IMPROVEMENT PLAN
FISCAL YEARS 2021 TO 2025**

AIRPORT: Foley Municipal Airport		COUNTY: Baldwin County	AIRPORT CONTACT: Ms. Rachel Keith, Airport Manager		
ADDRESS: 510 North Airport Road Foley, AL 36535			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
2021	Pavement Maintenance Taxiway Alpha	\$185,876.10	\$10,326.45	\$10,326.45	\$206,529.00
2022	Master Plan / ALP Update	\$63,000.00	\$3,500.00	\$3,500.00	\$70,000.00
2023	Rehabilitate Runway 18/36	\$1,150,470.00	\$63,915.00	\$63,915.00	\$1,278,300.00
2024	No project	\$0.00	\$0.00	\$0.00	\$0.00
2025	Construct 8-Unit T-Hangar and Access Taxiways	\$711,945.00	\$39,552.50	\$39,552.50	\$791,050.00

User: Is: \\luke\hicks\wsp\projects\airport\Foley\CIP\FY21\FY21ATTACHMENTSPCAD\Master SKETCH.dgn
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Plot Size: 12, 001, 2020, 1815
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FISCAL YEAR	SHEET NO.
2021 - 2025	I-2



CAPITAL IMPROVEMENT PLAN

FY 2021 PROJECTS

FY 2023 PROJECTS

FY 2025 PROJECTS

* MASTER PLAN / ALP UPDATE SCHEDULED FOR FY22

** NO SCHEDULED PROJECTS FOR FY24

FISCAL YEAR
2021

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2021

Pavement Maintenance Taxiway Alpha

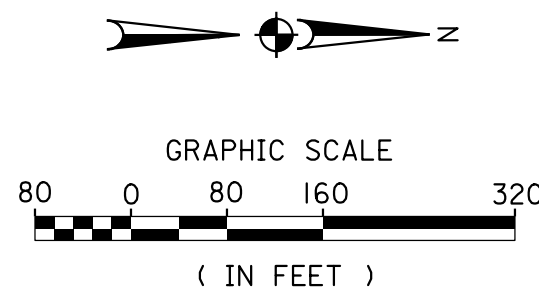
The following project description and detailed cost estimate are for Fiscal Year 2021 for which the sponsor intends to seek federal, state, and federal funding. The project description and cost estimate are based on visual inspection of estimated conditions or expected conditions for future projects. A detailed investigation should be performed during the design phase.

Project Description:

The project will consist of pavement maintenance for the existing Taxiway Alpha. This project will include an asphalt seal coat and new markings for the taxiway. The typical preservation project, such as a seal coat, extends the life of a pavement by preserving the pavement's structural integrity. A pavement condition inspection conducted along with ALDOT's system wide update determined the PCI of the Taxiway to be an 83, making it eligible for pavement preservation.

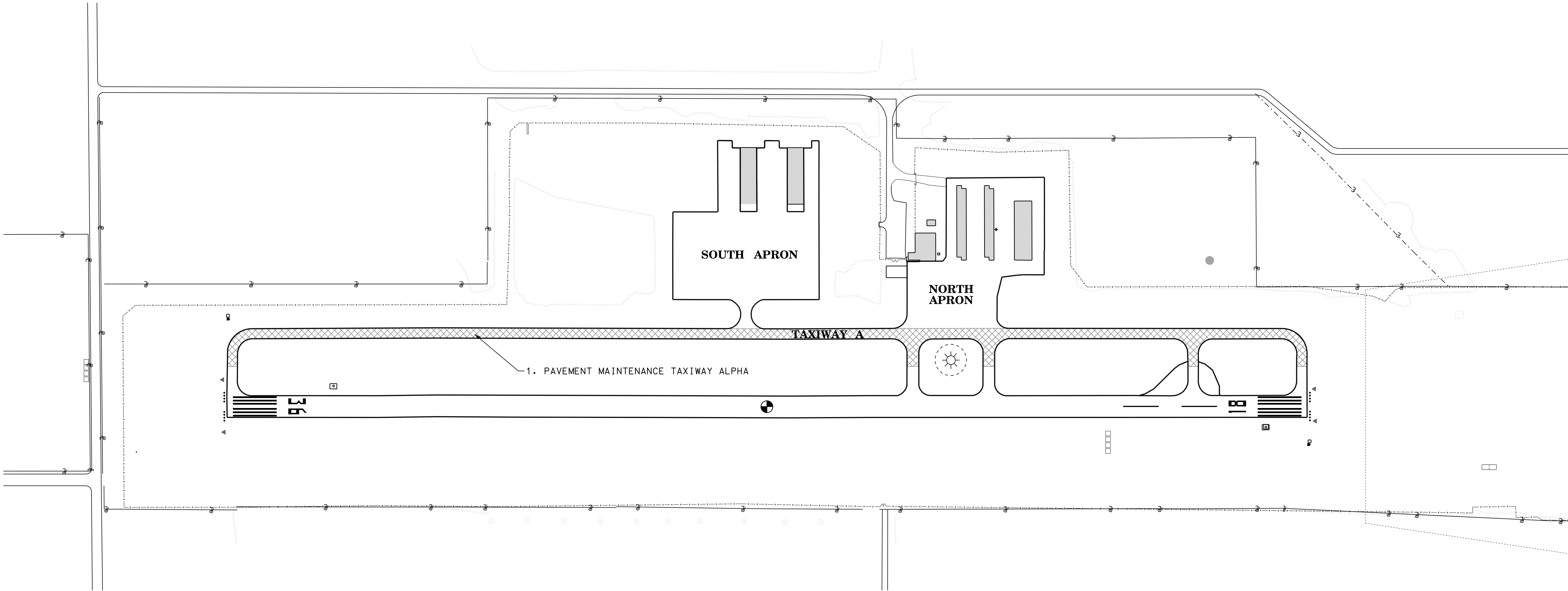
Cost Estimate:

SUMMARY OF ESTIMATED PROJECT COST				
FY21				
PAVEMENT MAINTENANCE TAXIWAY ALPHA				
Item Description	Unit	Quantity	Unit Price	Total Amount
ASPHALT SEAL COAT	SY	17,500	\$4.70	\$82,250.00
MARKINGS	SF	7,500	\$3.00	\$22,500.00
PAINT AND RUBBER REMOVAL	SF	7,500	\$1.00	\$7,500.00
JOINT/CRACK SEALING	LF	15,000	\$2.00	\$30,000.00
MOBILIZATION	LS	1	\$14,225.00	\$14,225.00
CONSTRUCTION TOTAL				\$156,475.00
ENGINEERING SERVICES: PRELIM DESIGN, DESIGN, BID, CONST ADMIN (12%)				\$18,777.00
FAA DOCUMENTATION				\$7,500.00
DBE PLAN UPDATE				\$5,000.00
CONSTRUCTION INSPECTION AND MATERIAL TESTING (12%)				\$18,777.00
ENGINEERING TOTAL				\$50,054.00
PROJECT TOTAL				\$206,529.00



FY21 PROPOSED PROJECTS:

1. PAVEMENT MAINTENANCE TAXIWAY ALPHA



NO.	DATE	DESCRIPTION	BY
REVISIONS			

DESIGNED: D.L.H.	CHECKED:
DETAILED:	CHECKED:
SCALE: AS NOTED	DATE: 10 /22 /18



FOLEY MUNICIPAL AIRPORT
FOLEY, ALABAMA

FY21 - PAVEMENT MAINTENANCE TAXIWAY ALPHA	
CAPITAL IMPROVEMENT PLAN	PROJECT NO. II-3

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	\$30,000.00
UPDATE MASTER PLAN / ALP (PLAN SHEETS & NARRATIVE)	\$32,500.00
<i>PROJECT TOTAL</i>	\$70,000.00

FISCAL YEAR
2023

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2023

Rehabilitate Runway 18/36

The sponsor intends to seek Federal and State funding for Fiscal Year 2023 for the above referenced project. The project description and cost estimate are based on visual inspection of existing conditions or expected conditions for future projects. A detailed investigation should be performed during the design phase.

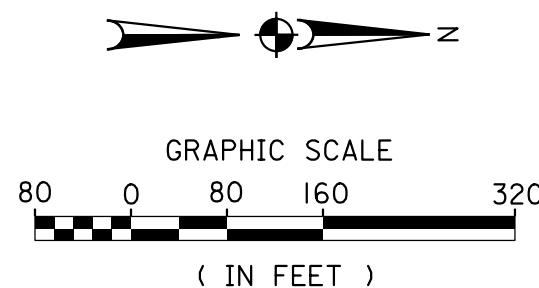
Project Description:

This project will provide for the rehabilitation of Runway 18/36. The rehabilitation will include milling approximately 1 inch and a nominal 2 inches of HMA, crack/joint sealing, shoulder redressing, and markings. The nominal thickness of 2 inches is expected to correct grade deficiencies. The runway is currently in a satisfactory condition according to a recent PCI inspection provided by ALDOT. A seal coat was applied to the runway surface in 2013 which has maintained the pavement's integrity. However, the pavement will be nearing the end of its design life in 2024 and will require a pavement rehabilitation.

Cost Estimate:

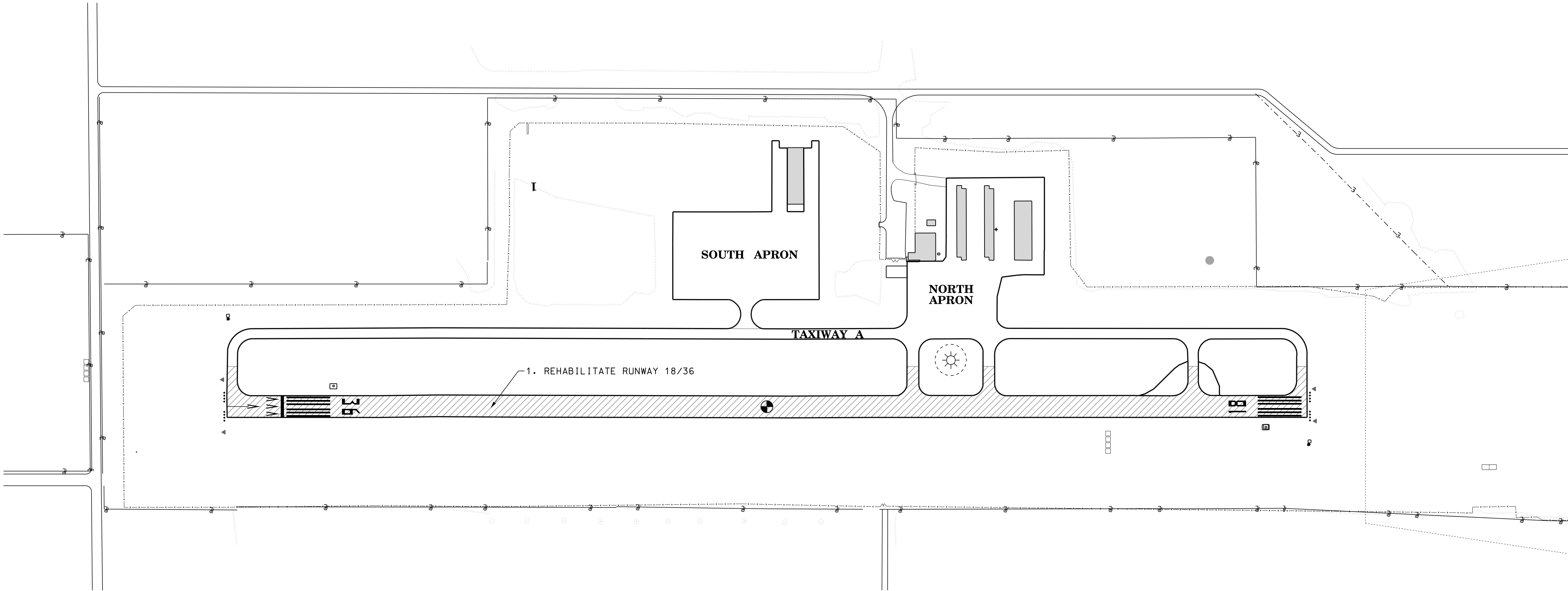
SUMMARY OF ESTIMATED PROJECT COST FY23 REHABILITATE RUNWAY 18/36				
Item Description	Unit	Quantity	Unit Price	Total Amount
MILLING	SY	33,500	\$4.00	\$134,000.00
CRACK / JOINT SEALING	LF	25,000	\$2.50	\$62,500.00
ASPHALT OVERLAY (220 LB/SY)	TON	3,750	\$135.00	\$506,250.00
MARKINGS	SF	30,000	\$4.00	\$120,000.00
SHOULDER REDRESSING	SY	10,000	\$12.00	\$120,000.00
EROSION CONTROL	LS	1	\$20,000.00	\$20,000.00
MOBILIZATION	LS	1	\$90,000.00	\$90,000.00
CONSTRUCTION TOTAL				\$1,052,750.00
ENGINEERING: PRELIM DESIGN, SURVEY, GEOTECH INVESTIGATION, DESIGN, BID, & CONST. ADMIN. (10%)				\$105,275.00
FAA DOCUMENTATION				\$10,000.00
DBE PLAN UPDATE				\$5,000.00
CEI & MATERIAL TESTING (10%)				\$105,275.00
PROJECT TOTAL				\$1,278,300.00

FISCAL YEAR	SHEET NO.
2023	IV-4



FY23 PROPOSED PROJECTS:

1. REHABILITATE RUNWAY 18/36



NO.	DATE	DESCRIPTION	BY
REVISIONS			

DESIGNED: J.H.S.	CHECKED:
DETAILED:	CHECKED:
SCALE: AS NOTED	DATE: 10 /22 /18



FOLEY MUNICIPAL AIRPORT
FOLEY, ALABAMA

FY23 - REHABILITATE RUNWAY 18 /36	
CAPITAL IMPROVEMENT PLAN	PROJECT NO.
	SHEET NO. IV-4

FISCAL YEAR
2025

CAPITAL IMPROVEMENT PLAN

FISCAL YEAR 2025

Construct 8-Unit T-Hangar and Access Taxiways:

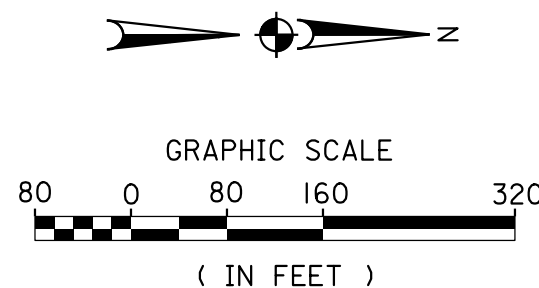
The following project description and detailed cost estimate are for Fiscal Year 2025 for which the sponsor intends to seek Federal and State funding. The project description and cost estimate are based on visual inspection of estimated conditions or expected conditions for future projects. A detailed 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 hangar and taxiways will provide additional hangar space increasing the airport's economic sustainability.

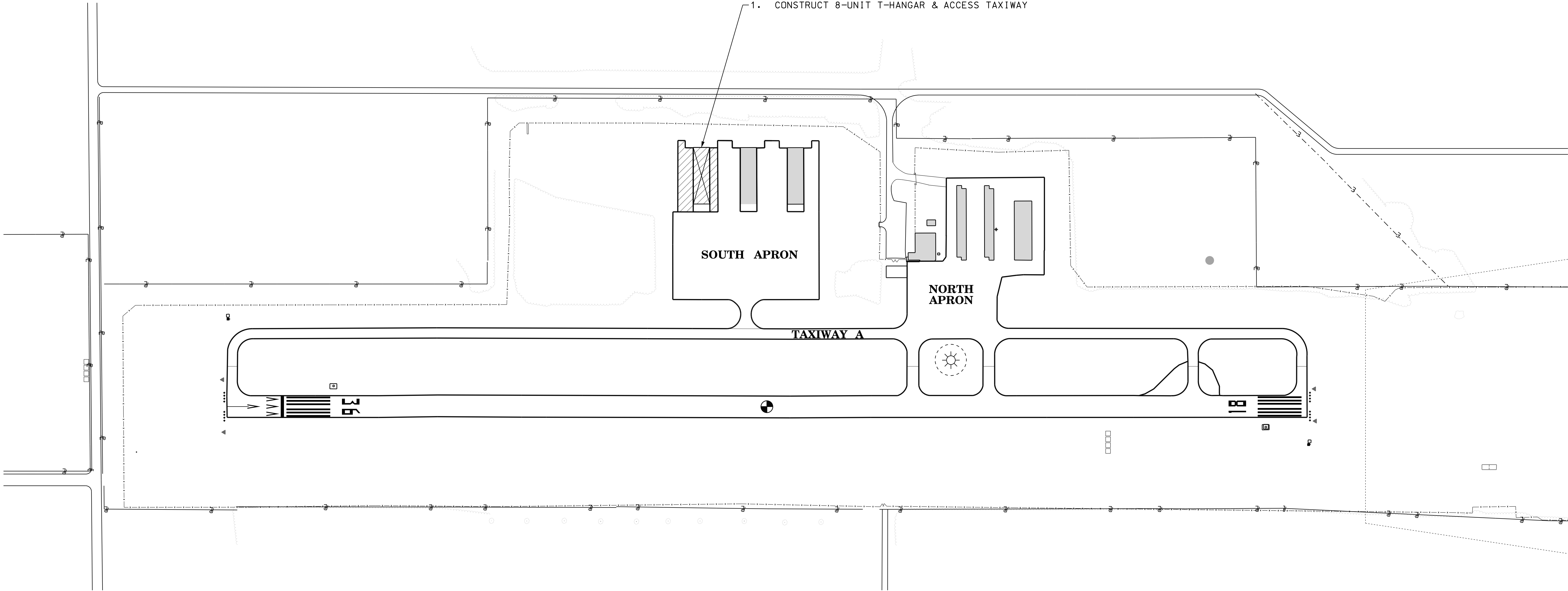
Cost Estimate:

SUMMARY OF ESTIMATED PROJECT COST FY25 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 (10%)				\$63,815.00
ENGINEERING SERVICES TOTAL				\$152,893.00
PROJECT TOTAL				\$791,050.00



FY25 PROPOSED PROJECTS:

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



NO.	DATE	DESCRIPTION	BY
REVISIONS			

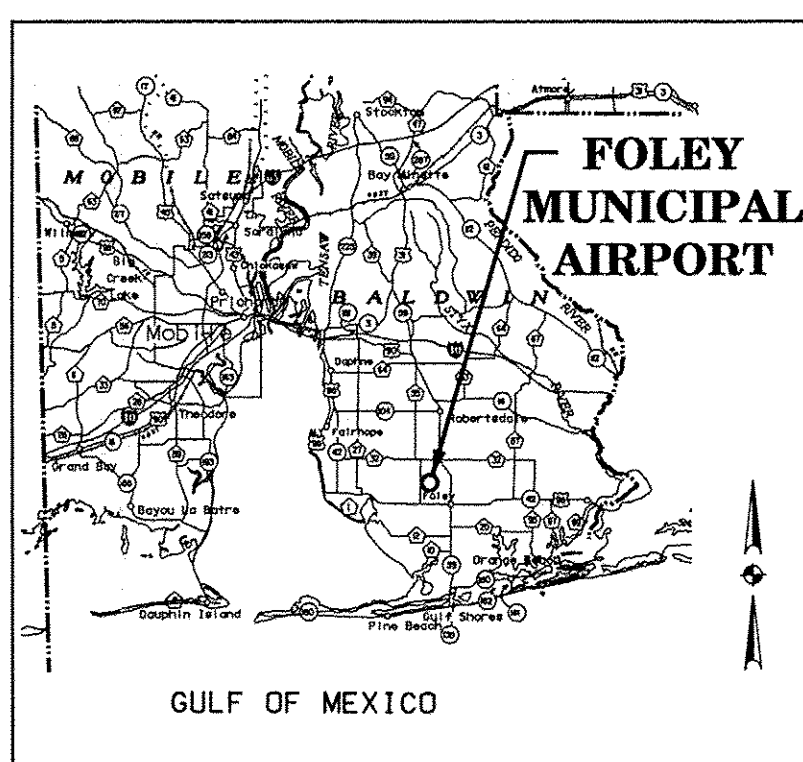
DESIGNED: D.L.H.	CHECKED:
DETAILED:	CHECKED:
SCALE: AS NOTED	DATE: 10 /22 /18



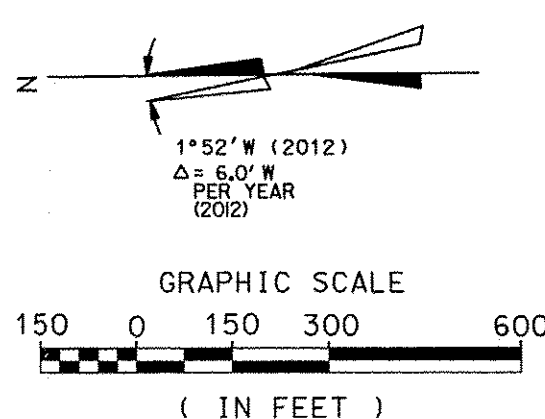
FOLEY MUNICIPAL AIRPORT
FOLEY, ALABAMA

FY25 - CONSTRUCT 8-UNIT T-HANGAR & ACCESS TAXIWAY	
CAPITAL IMPROVEMENT PLAN	PROJECT NO.
	SHEET NO. V-4

AIRPORT LAYOUT PLAN



LOCATION MAP
SCALE: N.T.S.



**CONSTRUCTION NOTICE
REQUIREMENT**

PROTECT OPERATIONAL SAFETY
D FUTURE DEVELOPMENT, ALL
POSED CONSTRUCTION ON THE
PORT MUST BE COORDINATED BY
E AIRPORT OWNER WITH THE FAA
RPORTS DISTRICT OFFICE PRIOR TO
NSTRUCTION. FAA'S REVIEW TAKES
PROXIMATELY 60 DAYS.

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'

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'	

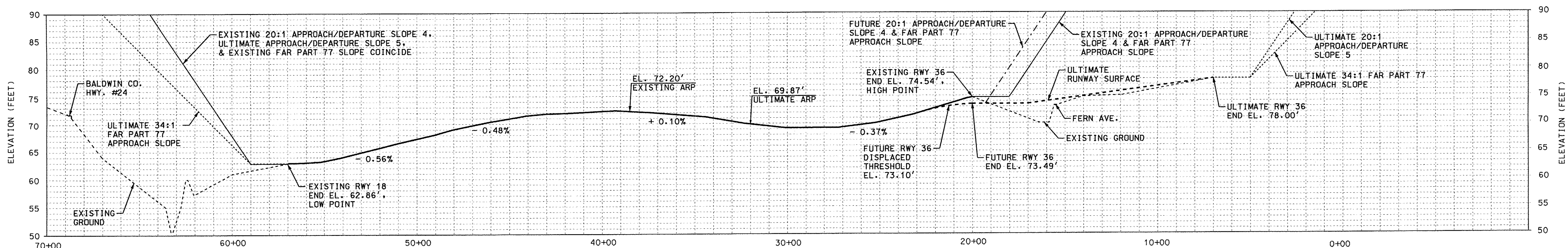
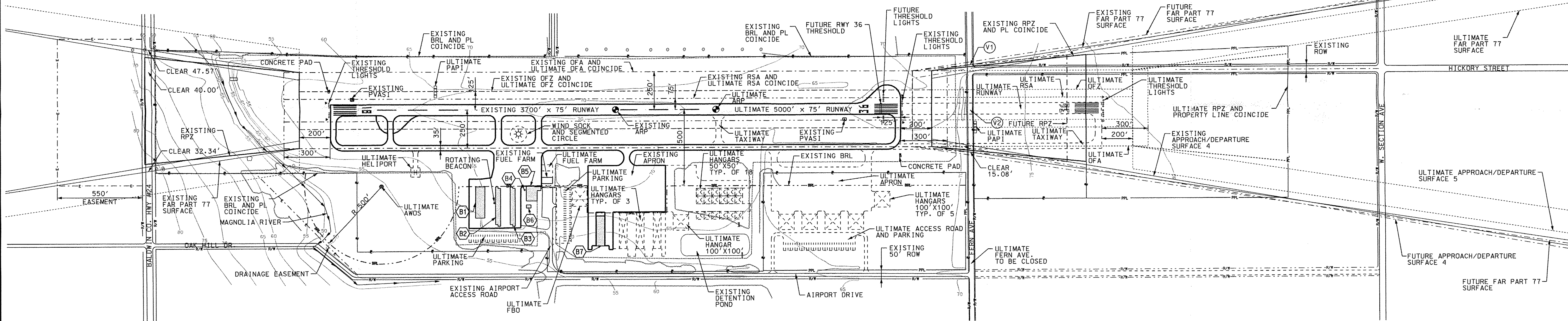
AIRPORT DATA			
	EXISTING	FUTURE	ULTIMATE
AIRPORT REFERENCE POINT COORDINATES (NAD 83 WEST)	N30° 25' 39.64" W87° 42' 03.46"	SAME	N30° 25' 33.20" W87° 42' 03.47"
MEAN MAX. TEMP. HOTTEST MONTH	91.2°F	SAME	SAME
AIRPORT ELEVATION	74.54'	73.49'	78.00'
NAVIGATIONAL AIDS	NDB, GPS	SAME	SAME

RUNWAY DATA 1836				
		EXISTING	FUTURE	ULTIMATE
AIRPORT REFERENCE CODE		B-II	SAME	SAME
CRITICAL AIRCRAFT		BEECH SUPER KING A19-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 NON-PRECISION	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"	SAME	SAME
	RWY 36	N30°25'21.33" W87°42'03.48"	N30°25'22.56" W87°42'03.49"	N30°25'08.46" W87°42'03.49"
RUNWAY END ELEVATIONS	RWY 18	62.86'	SAME	SAME
	RWY 36	74.54'	73.49'	78.00'

LEGEND		
	EXISTING	ULTIMATE
GRADE CONTOURS	 TO 	NOT SHOWN
AIRPORT PROPERTY LINE		
EASEMENT		SAME
BUILDING RESTRICTION LINE (BRL)		SAME
FENCE LINE		SAME
THRESHOLD LIGHTS		
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'



CONDITIONALLY
APPROVED
SUBJECT TO PROVISIONS OF
FAA LETTER DATED 1-14-2013
FEDERAL AVIATION ADMINISTRATION
JACKSON, MISS.
William J. Schulz

RUNWAY 18-36 PROFILE

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

Joseph E. Dougan

NO.	DATE	DESCRIPTION	BY
REVISIONS			

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.

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Plot Scale=
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User Is: mclerbout
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