### CAPITAL IMPROVEMENT PROGRAM

FYs 2025 – 2029

### **HOUMA-TERREBONNE AIRPORT**



Prepared by:



Houma-Terrebonne Airport (HUM)

CIP START YEAR: 2025

\$ - 2022 Entitlement (Expires FY25) \$ 150,000 2023 Entitlement (Expires FY26)

\$ 150,000 2024 Entitlement (Expires FY27)

\$ 150,000 Estimated Entitlement (Planning through 2029)

Unassigned AIG Funds

\$ 295,000 2024 Airport Infrastructure Grants (Expires FY27) \$ 295,000 2025 Airport Infrastructure Grants (Planning through 2026)

Available **Funding Source** Funding Source - Other Federal Funding Estimated Airport LADOTD Fiscal ODO Project Component/Phase Additional FAA/3rd Party Source Project Cost PF ΔIG Bll Terminal 100% Funding Capital Outlay Local Funding Infrastructure Other Match Grants AIP/BIL Taxiway F - Phase II 4 000 000 \$ 450 000 3.150.000 400.000 450,000 \$ 590,000 AIP 3,266,667 2,940,000 326,667 Taxiway F - Phase III 5,500,000 \$ 4,950,000 550,000 West Apron Reconstruction - Phase II 2025 906,800 \$ Airfield Joint Rehabilitation Project - Phase I 886.800 20.000 State 906,800 \$ Total = \$1.040.000 State Airfield Vault & Beacon Design 120.000 \$ 120 000 113,200 6,800 Airfield Vault & Beacon Construction BIL 655,556 \$ 590,000 \$ 65 556 2025 Annual Subtotals: \$ 14,449,023 \$ 450,000 \$ 590,000 \$ 11,040,000 \$ 906,800 \$ 1,462,222 \$ 1,000,000 \$ 26,800 \$ 1,020,000 \$ \$ 150,000 \$ 295,000 State Rehabilitate Airfield Lighting and Guidance System - Phase I 1,020,000 \$ 1,000,000 \$ 20.000 \$ 2026 West Apron Reconstruction - Phase III 5,827,778 \$ 295.000 \$ 4.950.000 582,778 Total = \$445,000 \$ 6,847,778 \$ \$ 150,000 \$ Remaining Funds 2026 Annual Subtotals: 295,000 \$ 4,950,000 \$ 1,020,000 \$ 582,778 \$ 1,000,000 \$ 20,000 \$ \$ 300,000 \$ State Rehabilitate Airfield Lighting and Guidance System - Phase II 1,020,000 \$ 1,020,000 \$ 1,000,000 \$ 20,000 2027 AIP \$ 5.000.000 \$ 4.500.000 500.000 Total = \$300,000 West Apron Reconstruction - Phase IV \$ 300,000 Remaining Funds 2027 Annual Subtotals: \$ 6,020,000 \$ - \$ 4.500.000 **\$** - \$ 1,020,000 \$ 500,000 \$ 1.000.000 \$ - \$ 20,000 \$ \$ 450,000 State Runway 18/36 Pavement Marking 1,020,000 \$ 1,020,000 1,000,000 2028 AIP Taxiway A Design 500,000 \$ 450,000 50,000 Total = \$450.000 2028 Annual Subtotals: \$ 1,520,000 \$ 450.000 \$ 1.020.000 \$ 50.000 1.000.000 S Remaining Funds S - \$ 20.000 \$ Environmental Assessment for Runway 18/36 Extension 500,000 \$ 500,000 \$ 500,000 \$ \$ 150,000 \$ 2029 Taxiway A Construction 5,000,000 \$ 150,000 4,350,000 500,000 Total = \$150,000 State ASOS 500,000 \$ 500,000 \$ 500,000 \$ 2029 Annual Subtotals: \$ 6,000,000 \$ 150,000 \$ - \$ 4,350,000 \$ - \$ 1,000,000 \$ 500,000 1,000,000 \$ - \$ Remaining Funds - | \$ 5 Year CIP Totals: \$ 34,836,800 \$ 1,050,000 \$ 885,000 \$ 24,840,000 \$ - \$ 4,966,800 \$ 3,095,000 \$ 5,000,000 \$ - \$ 86,800 \$

Signature: Date:



### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:
Taxiway F Reconstruction - Phases II/III

**Funding Year Requested:** 

025

### PROJECT SCOPE & JUSTIFICATION:

The Airport Commission intends to rebuild this taxiway in place with Portland Cement Concrete. The existing taxiway features the original pavement dating back to the establishment of the Airport. It is cracking and showing signs of failure. The resultant pavement will be designed and constructed to meet the requirements of Airports's design aircraft. This is a continuation and completion of a project begun in FY 2022 under AIP Grant #34.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification		Estimated Cost
Administrative Expenses	\$	20,000.00
Land Acquisition Cost	\$	-
Engineering Fees	\$	150,000.00
Survey	\$	-
Geotechnical	\$	-
Estimated Construction Cost	\$	6,200,000.00
Construction Inspection	\$	350,000.00
Construction Administration Fees	\$	300,000.00
Construction Testing	\$	96,667.00
Equipment Purchase Cost	\$	-
Other: (Implementation Services)	\$	150,000.00
Other: (define)	\$	-
Total Estimated Project Co	ost \$	7,266,667.00

### **Funding Sources:**

Source		% Contribution	Funds
Federal Funds		90%	\$ 6,540,000
State Funds		10%	\$ 726,667
Local Contribution		0%	\$ -
Other: (define)		0%	\$ -
	Total Estima	ted Project Cost	\$ 7.266.667

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

# Houma-Terrebonne Airport Capital Improvement Plan



PREPARED BY: Kutchins & Groh, LLC, October 2019 SOURCE: HUM Airport Layout Plan, April 2013







Taxiway 'F' Reconstruction



### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:

West Apron Ramp Reconstruction (Phase I - IV)

**Funding Year Requested:** 

2024, 2025, 2026, 2027

### **PROJECT SCOPE & JUSTIFICATION:**

This project proposes the rehabilitation of the west side Aircraft Ramp. Recent changes at the Airport have resulted in all FBO activity now occurring on the west side of the Airport. This has increased traffic on this pavement that is in excess of 75 years old and is showing signs of failure with cracked and rocking panels. The Airport began a phased approach to rehabilitating the pavement with the initial phase occurring in 2021 in order to address the most serious failures. Based on the engineering analysis prepared for the entire pavement, weight and loading restrictions have been imposed on the apron until the full rehabilitation can be accomplished. Please refer to the detailed engineering report dated May 18, 2021, for more information. The project is proposed in four phases with funding beginning in 2024. Should additional funding be available, multiple phases can be let at the same time.

### Estimated Project Cost:

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost
Administrative Expenses	\$ 50,000.00
Land Acquisition Cost	\$ -
Engineering Fees	\$ 1,200,000.00
Survey	\$ -
Geotechnical	\$ -
Estimated Construction Cost	\$ 15,687,500.00
Construction Inspection	\$ 650,000.00
Construction Administration Fees	\$ 500,000.00
Construction Testing	\$ 650,000.00
Equipment Purchase Cost	\$ -
Other: (Implementation Services)	\$ 512,500.00
Other: (define)	\$ -
Total Estimated Project Cost	\$ 19,250,000.00

#### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	90%	\$ 17,325,000.00
State Funds	10%	\$ 1,925,000.00
Local Contribution	0%	
Other: (define)	0%	\$ -
Total Estimated Project Cost		\$ 19,250,000.00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### Houma-Terrebonne Airport

### Capital Improvement Plan









West Apron Reconstruction



### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:
Airfield Joint Rehabilitation Project - Phase I

**Funding Year Requested:** 

2025

### PROJECT SCOPE & JUSTIFICATION:

This project proposes the inital phase of a rehabilitation of the airfield pavement joint system. It will include the targeted removal and replacement of joint sealant across the airfield. It will serve as a preservation of the investment project and result in improved reliability of the paving system. The project is envisioned to begin with Runway 18/36 which has approximately 120,000 LF of joint material. A second phase of this project will be considered as a separate project following the completion of runway 18/36 that will address Runway 12/30 which has approximately 110,000 LF of joints to be rehabilitated. The joint system for runway 18/36 was last addressed in the late 1990s when the runway was reconstructed.

### Estimated Project Cost:

(If applicable, attach a detailed construction cost estimate)

Classification		Estimated Cost
Administrative Expenses	\$	5,000.00
Land Acquisition Cost	\$	-
Engineering Fees	\$	81,800.00
Survey	\$	-
Geotechnical	\$	-
Estimated Construction Cost	\$	750,000.00
Construction Inspection	\$	20,000.00
Construction Administration Fees	\$	15,000.00
Construction Testing	\$	-
Equipment Purchase Cost	\$	-
Other: (Implementation Services)	\$	35,000.00
Other: (define)	\$	-
Total Estimated Project	Cost \$	906.800.00

### **Funding Sources:**

Source		% Contribution	Funds
Federal Funds		0%	\$ -
State Funds		98%	\$ 886,800.00
Local Contribution		2%	\$ 20,000.00
Other: (define)		0%	\$ -
Total Estimated Project Cost		\$ 906.800.00	

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Houma-Terrebonne Airport**

Capital Improvement Plan













### **Project Application**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:

Airfield Vault and Beacon Design Project

Funding Year Requested:

2025

### PROJECT SCOPE & JUSTIFICATION:

This project will involve the design of the airfield lighting vault replacement and new rotating beacon. It entails an engineering study to identify and design these components for needed for the Airport's Airfield Lighting and Guidance Signage system. The existing system is well over 20 years old and the beacon was destroyed by Hurricane Ida. The project will identify the needs and requirements to modernize the systemand prepare plans and specifications for the project.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost	
Administrative Expenses		
Land Acquisition Cost		
Engineering Fees	\$	113,200.00
Survey		
Geotechnical		
Estimated Construction Cost		
Construction Inspection		
Construction Administration Fees		
Construction Testing		
Equipment Purchase Cost		
Other: (Implementation Services)	\$	6,800.00
Other: (define)		
Total Estimated Project Cost	\$	120 000 00

### **Funding Sources:**

Source	% Contribution		Funds
Federal Funds	90%		
State Funds	10%		
Local Contribution	0%	\$	6,800.00
Other: (State Lighting Program Funds)	100%	\$	113,200.00
Total Estimated Project Cost			120,000,00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Project Application**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:

Funding Year Requested:

025

Airfield Vault and Beacon Construction

### **PROJECT SCOPE & JUSTIFICATION:**

This project will involve the Construction of the airfield lighting vault replacement and new rotating beacon. The design of these components is being accomplished under a separate project. The existing system is well over 20 years old and the beacon was destroyed by Hurricane Ida. The current vault is located in a low area of the airfield, and with this project, it will be raised above the flood zone in order minimize future water intrusion into the building.

### Estimated Project Cost:

(If applicable, attach a detailed construction cost estimate)

Classification		Estimated Cost
Administrative Expenses	\$	6,556.00
Land Acquisition Cost	\$	-
Engineering Fees (bidding services)	\$	9,000.00
Survey	\$	-
Geotechnical	\$	-
Estimated Construction Cost	\$	550,000.00
Construction Inspection	\$	25,000.00
Construction Administration Fees	\$	30,000.00
Construction Testing	\$	5,000.00
Equipment Purchase Cost	\$	-
Other: (Implementation Services)	\$	30,000.00
Other: (define)	\$	-
Total Estimated Project Co	ost \$	655.556.00

### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	90%	\$ 590,000.00
State Funds	10%	\$ 65,556.00
Local Contribution	0%	\$ -
Other: (State Lighting Program Funds)	0%	\$ -
Total Estimated Project Cost		\$ 655 556 00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Houma-Terrebonne Airport**

Capital Improvement Plan













### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

### PROJECT TITLE/DESCRIPTION:

PROJECT TITLE/DESCRIPTION: Rehabilitate Airfield Lighting and Guidance Signage System (Phase I-II) **Funding Year Requested:** 

2026 and 2027

### PROJECT SCOPE & JUSTIFICATION:

This project proposes the rehabilitation of the Airfield Lighting and Guidance Signage system. The existing system is well over 20 years old with the most recent portion being installed with the reconstruction of runway 18/36 in the late 1990s. The project proposes the conversion of existing systems from incadescent to LED lighting. The elements of this project are resulting from the recommendations of the preliminary study completed.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost
Administrative Expenses	\$ 10,000.00
Land Acquisition Cost	\$ -
Engineering Fees	\$ 175,000.00
Survey	\$ -
Geotechnical	\$ -
Estimated Construction Cost	\$ 1,500,000.00
Construction Inspection	\$ 120,000.00
Construction Administration Fees	\$ 100,000.00
Construction Testing	\$ 35,000.00
Equipment Purchase Cost	\$ -
Other: (Implementation Services)	\$ 100,000.00
Other: (define)	\$ -
Total Estimated Project Cost	\$ 2,040,000.00

### **Funding Sources:**

Source		% Contribution	Funds
Federal Funds		0%	\$ -
State Funds		0%	\$ -
Local Contribution		2%	\$ 40,000.00
Other: (100% State Funding)		98%	\$ 2,000,000.00
Total Estimated Project Cost		\$ 2.040.000.00	

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Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION: Runway 18/36 Pavement Marking Project Funding Year Requested:

2028

### PROJECT SCOPE & JUSTIFICATION:

This project involves design and construction for pavement marking on the airfield. This includes all runway markings as required by the FAA advisory circulars. In 2021, the airport initiated a remarking program of the airfield that primarily addressed the markings on taxiway pavements. This phase is intended to mark the runway.

### Estimated Project Cost:

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost
Administrative Expenses	\$ 5,000.00
Land Acquisition Cost	\$ -
Engineering Fees	\$ 70,000.00
Survey	\$ -
Geotechnical	\$ -
Estimated Construction Cost	\$ 900,000.00
Construction Inspection	\$ 15,000.00
Construction Administration Fees	\$ 10,000.00
Construction Testing	\$ -
Equipment Purchase Cost	\$ -
Other: (Implementation Services)	\$ 20,000.00
Other: (define)	\$ -
Total Estimated Project Cost	\$ 1 020 000 00

### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	0%	\$ -
State Funds	0%	\$ -
Local Contribution	2%	\$ 20,000.00
Other: (100% LADOTD Funding)	98%	\$ 1,000,000.00
Total Estimated Project Cost		\$ 1.020.000.00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:

**Funding Year Requested:** 

2028 and 2029

Taxiway A - Design & Construction

### PROJECT SCOPE & JUSTIFICATION:

The Houma Terrebonne Airport Commission engaged T. Baker Smith, LLC (TBS) to prepare an analysis of the West Apron at the Houma Terrebonne Airport. In addition to that, HUM will continue the West Apron Expanson by designing and constructing a new Taxiway A. TBS completed an Engineering Study in May 2021. This Engineering Study included a detailed geotechnical analysis of the West Ramp. Their work included coring of existing pavements, soil borings and dynamic cone penetrometer testing (DCPT), undisturbed borings, falling weight deflectometer (FWD) testing, laboratory testing, and engineering analysis of the West Ramp using FAA's FAARFIELD software.

The Engineering Study concluded that the existing pavement of the main portion of the West Ramp (originally built in the 1940's during WWII) has reached the end of its useful life requiring total reconstruction and requires the construction of a new Taxiway. The Airport Commission intends to rebuild this taxiway. The existing taxiway features the original pavement dating back to the establishment of the Airport. It is cracking and showing signs of failure. The resultant pavement will be designed and constructed to meet the requirements of Airport's design aircraft.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost
Administrative Expenses	\$ 20,000.00
Land Acquisition Cost	\$ -
Engineering Fees	\$ 450,000.00
Survey	\$ -
Geotechnical	\$ -
Estimated Construction Cost	\$ 4,750,000.00
Construction Inspection	\$ 125,000.00
Construction Administration Fees	\$ 40,000.00
Construction Testing	\$ 25,000.00
Equipment Purchase Cost	\$ -
Other: (Implementation Services)	\$ 90,000.00
Other: (define)	\$ -
Total Estimated Project Cost	\$ 5,500,000.00

### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	90%	\$ 4,950,000.00
State Funds	10%	\$ 550,000.00
Local Contribution	0%	\$ -
Other: (100% State Funding)	0%	\$ -
	Total Estimated Project Cost	\$ 5.500.000.00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

# Houma-Terrebonne Airport Capital Improvement Plan



PREPARED BY: Kutchins & Groh, LLC, 2FWREHUI III
SOURCE: HUM Airport Layout Plan, \$SULOIIIII





**Taxiway A Construction** 



### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:
Environmental Assessment for RWY 18/36 Extension

**Funding Year Requested:** 

2029

#### PROJECT SCOPE & JUSTIFICATION:

This project proposes an environmental assessment to examine the potential impacts and needs associated with a 1500-foot extension. This extension is proposed to support existing based and itinerent aircraft that require an 8000-foot runway to operate at full efficiency.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification	E	stimated Cost
Administrative Expenses	\$	10,000.00
Land Acquisition Cost	\$	-
Engineering Fees	\$	465,000.00
Survey	\$	-
Geotechnical	\$	-
Estimated Construction Cost	\$	-
Construction Inspection	\$	-
Construction Administration Fees	\$	-
Construction Testing	\$	-
Equipment Purchase Cost	\$	-
Other: (Implementation Services)	\$	25,000.00
Other: (define)	\$	-
Total Estimated Pr	roject Cost \$	500 000 00

### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	0%	\$ -
State Funds	0%	
Local Contribution	0%	\$ -
Other: (LADOTD 100% Funding)	100%	\$ 500,000.00
Total Estimated Project Cost		\$ 500,000,00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

Sketch of Project(s) on the airport's approved Airport Layout Plan

### **Project Application - Supporting Documentation Form**

Airport Sponsor: Mert Pellegrin

Airport: Houma Terrebonne Airport

No. and Street/P.O. Box: 10264 E. Main St. City, State, Zip Code: Houma, LA, 70363

PROJECT TITLE/DESCRIPTION:
Install new ASOS

Funding Year Requested:
2029

#### PROJECT SCOPE & JUSTIFICATION:

This project proposes the design and procurement of a new ASOS for the airport. This will provide up to date weather and surface reporting for the users of the airport. It will enhance safety and improve the airport operation for all users.

### **Estimated Project Cost:**

(If applicable, attach a detailed construction cost estimate)

Classification	Estimated Cost
Administrative Expenses	\$ -
Land Acquisition Cost	\$ -
Engineering Fees	\$ 50,000.00
Survey	-
Geotechnical	\$ -
Estimated Construction Cost	\$ 420,000.00
Construction Inspection	\$ 5,000.00
Construction Administration Fees	\$ 5,000.00
Construction Testing	\$ -
Equipment Purchase Cost	\$ -
Other: (Implementation Services)	\$ 20,000.00
Other: (define)	\$ -
Total Estimated Project Cost	t \$ 500,000.00

### **Funding Sources:**

Source	% Contribution	Funds
Federal Funds	0%	\$ -
State Funds	0%	\$ -
Local Contribution	0%	\$ -
Other: (LADOTD 100% Funding)	100%	\$ 500,000.00
Total Estimated Project Cost		\$ 500,000,00

Attach the following: (as identified in Louisiana Administrative Code Title 70, Part IX §307 and §315

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