



**FRIDAY HARBOAR AIRPORT (KFHR) - PORT OF FRIDAY HARBOR
FY 2023-2028 Capital Improvement Program (CIP)**

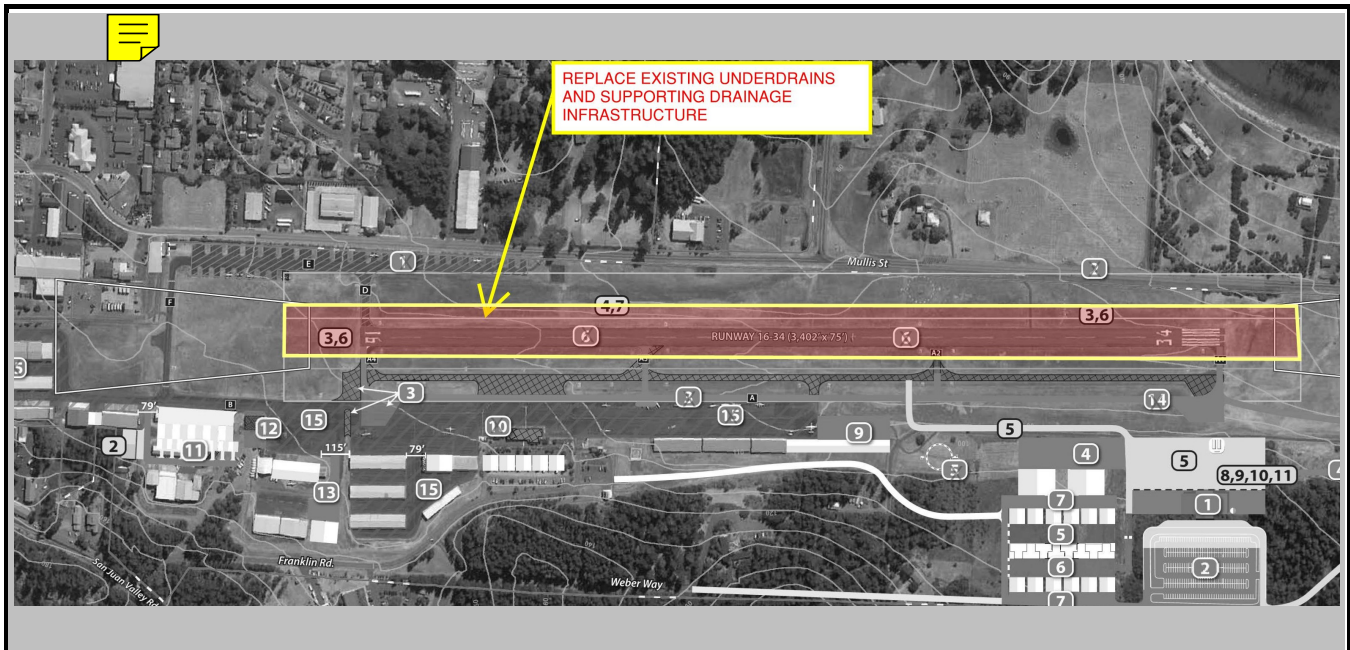
Year	Project Name	PE's ¹	ST/DI ²	AIG (BIL) ³	Total Federal Cost	Sponsor Match	Total Project Cost	Notes
2022	Carryover PE's / Rollover Bil	\$0	\$0	\$0	\$0	\$0	\$0	<i>Assumes \$764,670 in FY 2021 carryover.</i>
2023-1	Runway 16/34 Drainage Improvements - Design and Construction	\$630,000	\$0	\$0	\$630,000	\$70,000	\$700,000	<i>2023 assumes 150k in Non-primary entitlements per FAA. Remaining years assume \$1 Million in Primary Entitlements.</i>
2023-2	Conduct Airport Energy Efficiency Assessment	\$50,000	\$0	\$0	\$50,000	\$5,556	\$55,556	
2023-3	Southwest Development Area Environmental Study	\$500,000	\$0	\$0	\$500,000	\$55,556	\$555,556	
2023-4	Replace Existing Avgas and install new Jet-A Fuel System Equipment	\$0	\$0	\$1,000,000	\$1,000,000	\$111,111	\$1,111,111	<i>100LL fuel system replacement AIG (BIL) eligibility determination requires confirmation with FAA following 2022 CIP submittal.</i>
2024-1	South Ramp Expansion	\$750,000	\$0	\$0	\$750,000	\$83,333	\$833,333	<i>Expand ramp adjacent to fuel system</i>
2025-1	Southwest Hangar Taxilane & New Hangar Development, Relocate Access Road - Design	\$300,000	\$0	\$0	\$300,000	\$33,333	\$333,333	
2026-1 & 2	Southwest Hangar Taxilane & New Hangar Development, Relocate Access Road - Construction	\$3,025,000	\$0	\$2,500,000	\$5,525,000	\$613,889	\$6,138,889	
2026-3	Airport Power Sources Energy Efficiency Improvements	\$0	\$0	\$500,000	\$500,000	\$55,556	\$555,556	<i>Improvements as identified in the Airport Energy Assessment. Limited to AIG (BIL) eligible projects as determined by the FAA.</i>
2027-1	Southwest Hangar Taxilane - Phase 2 Design/Construction	\$600,000	\$0	\$0	\$600,000	\$66,667	\$666,667	
2027-2	Hangar Development/Major Rehabilitation - Design/Construction	\$0	\$0	\$1,044,020	\$1,044,020	\$116,002	\$1,160,022	
2028-1	SRE Building - Design/Construction	\$850,000	\$0	-	\$850,000	\$94,444	\$944,444	
Totals:		\$6,705,000	\$0	\$5,044,020	\$11,749,020	\$1,305,447	\$13,054,467	<i>Assumes receipt of \$5,044,020 in BIL funds over 5-year life of program</i>

Notes:

1. PE's - Primary Entitlements
2. ST/DI - State Apportionment / Discretionary
3. AIG - Airport Infrastructure Grant Allocated Funds from Bipartisan Infrastructure Law (BIL)
4. See CIP Datasheets for breakout of project costs by work element

CIP DATA SHEET

AIRPORT	Friday Harbor	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Runway Drainage Improvements Design and Construction	PLANNED YEAR TO CONSTRUCT	2023		



JUSTIFICATION: The existing runway underdrain is reaching the end of its design life and has limited access structures. This project will replace the aging underdrain and associated infrastructure to current FAA standards.

COST ESTIMATE:

ADMINISTRATION:	\$ 5,000	1. Construction	\$ 450,000	4	\$
ENGINEERING:	\$ 145,000	2	\$	5	\$
INSPECTION:	\$ 100,000	3	\$	TOTAL: \$ 700,000	

Federal (%) \$ 630,000 (AIP)
State \$ 0
Local (%) \$ 70,000

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2023	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

SPONSOR'S SIGNATURE: _____ **DATE:** _____

PRINTED NAME: Todd Nicholson **TITLE:** Executive Director

PHONE NUMBER: (360) 378-2688 **EMAIL:** toddn@portfridayharbor.org

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PREAPP NUMBER	GRANT NUMBER	NPIAS CODE	WORK CODE	FAA PRIORITY	FEDERAL \$

CIP DATA SHEET

AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Conduct Airport Energy Efficiency Assessment	PLANNED YEAR TO CONSTRUCT	2023		

SKETCH:

Airport Energy Efficiency Assessment

FRIDAY HARBOR AIRPORT

Prepared for:



PO Box 889
Friday Harbor, WA 98250



JUSTIFICATION: Project will assess the airport's energy requirements per 49 USC § 47140a(a) for the purpose of identifying follow on opportunities to increase energy efficiency at the airport. Work is AIP eligible per Table E-1 and S-1 of the AIP handbook.

COST ESTIMATE:

ADMINISTRATION:	\$ 5,556	1. Construction	\$	4	\$
ASSESSMENT:	\$ 50,000	2	\$	5	\$
INSPECTION:	\$	3	\$	TOTAL: \$ 55,556	

Federal (%) \$ 50,000 (AIP) State \$ 0 Local (%) \$ 5,556

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)
For each and every project as applicable	N/A -Date of approved ALP with project shown
	N/A -Date of environmental determination (ROB, FONSI, CatEx)
	N/A -Date of land acquisition or signed purchase agreement
	2018 -Date of pavement maintenance program
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PRINTED NAME: Todd Nicholson **TITLE:** Executive Director

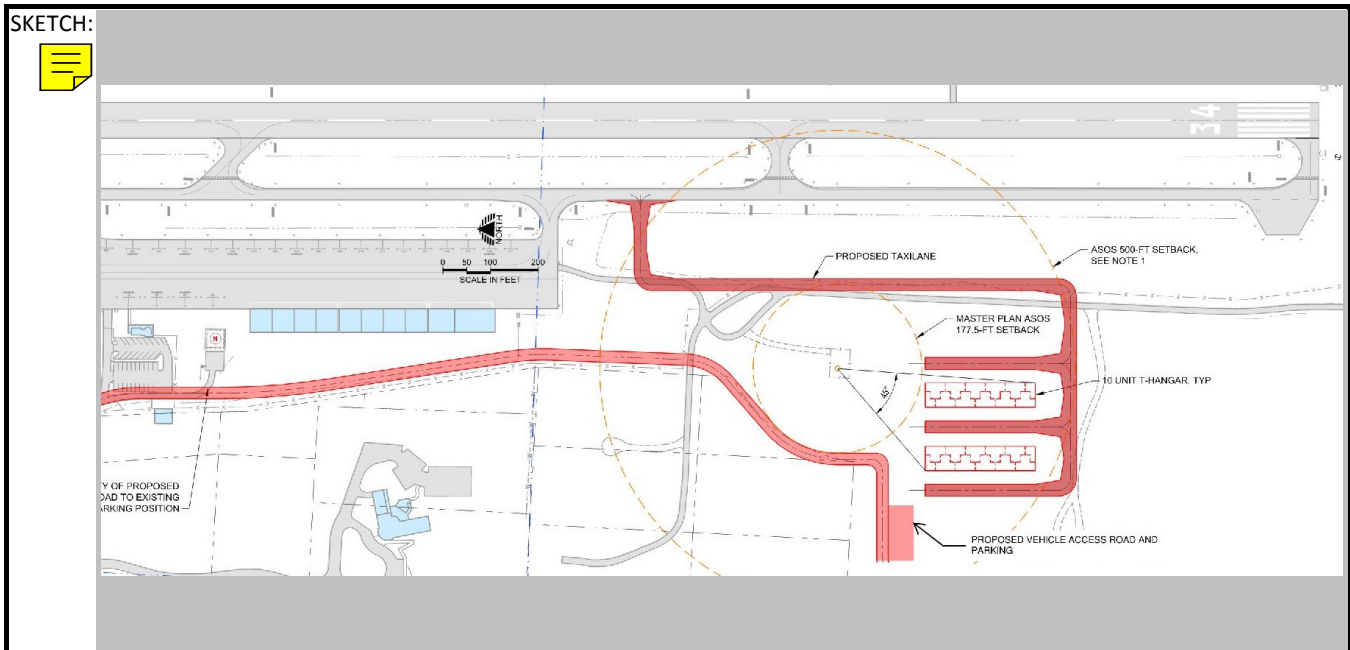
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Southwest Development Area Environmental Study	PLANNED YEAR TO CONSTRUCT	2023		



JUSTIFICATION: Project will conduct the environmental review (NEPA, State, and Local) necessary to complete subsequent design and construction of hangar taxiway and hangar development in the southwest development area identified in the current Master Plan.

COST ESTIMATE:

ADMINISTRATION:	\$ 5,556	1. Construction	\$	4	\$
ENVIRONMENTAL STUDY:	\$ 550,000	2	\$	5	\$
INSPECTION:	\$	3	\$	TOTAL: \$ 555,556	

Federal (%) \$ 500,000 (AIP) State \$ 0 Local (%) \$ 55,556

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For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2025	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

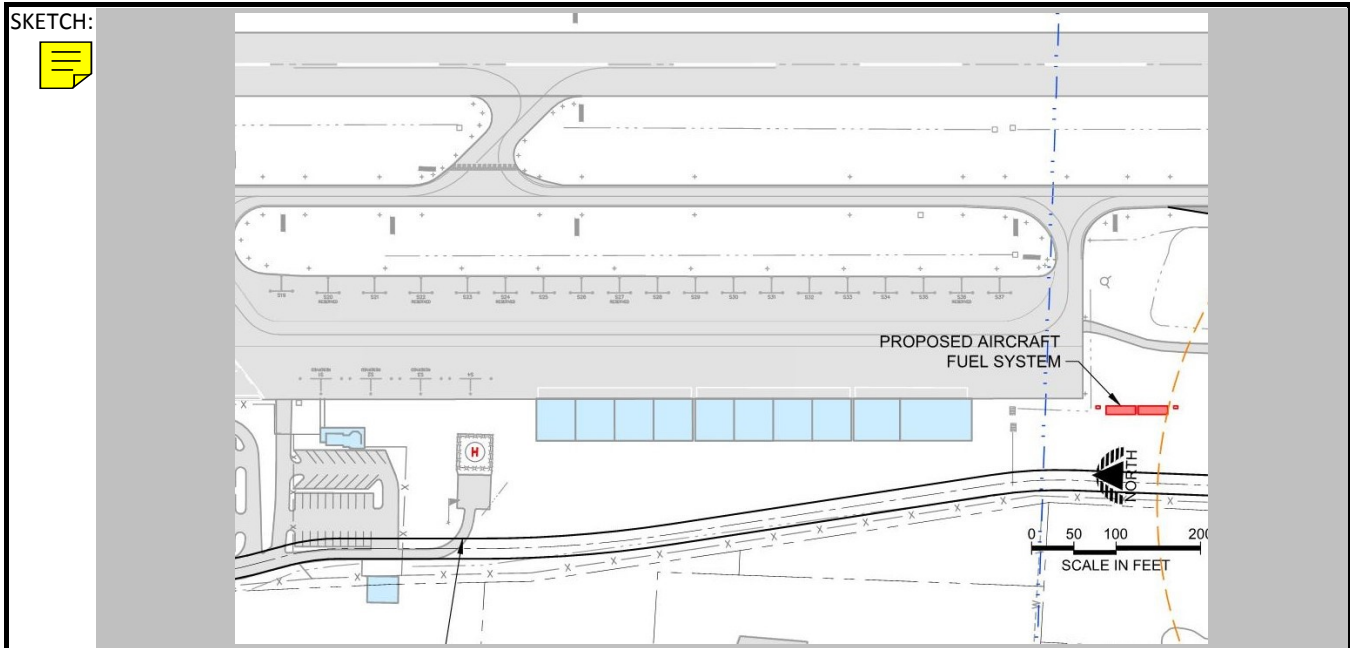
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Jet-A and Avgas Fueling Systems Installation	PLANNED YEAR TO CONSTRUCT	2023		



JUSTIFICATION: Project will install a new Jet-A aircraft fueling system (Above ground tank and pump). (The airport does not currently have Jet-A, thus this will be BIL funding eligible as a new installation). Project will also replace the existing avgas fueling system (including 2 existing underground tanks that are more than 7 years beyond their typical 30-year service life) with a new, modern, above ground system. The new avgas system represents a major improvement to increase revenue production per the requirements of BIL funding.

COST ESTIMATE:

ADMINISTRATION:	\$ 10,000	1. Construction	\$ 801,111					4 \$
ENGINEERING:	\$ 200,000	2	\$					5 \$
INSPECTION:	\$ 100,000	3	\$					TOTAL: \$ 1,111,111

Federal (%) \$ 1,000,000 (BIL) State \$ 0 Local (%) \$ 111,111

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	4/2023	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

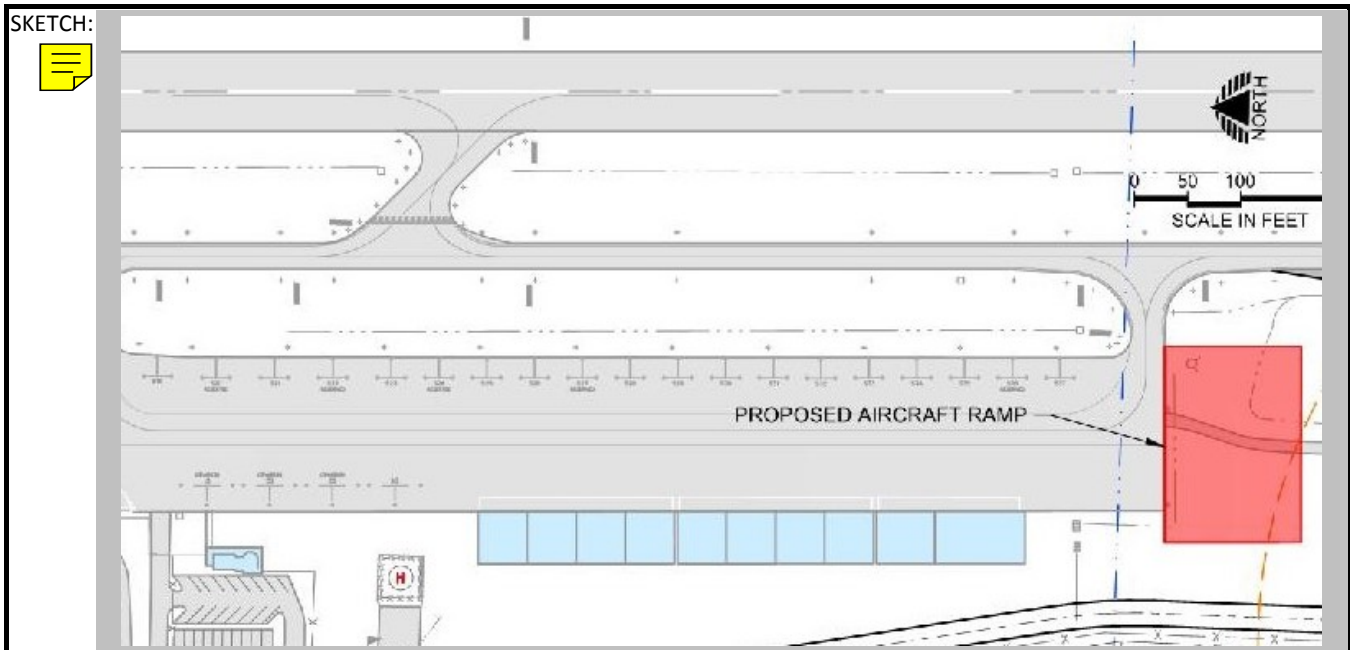
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	South Aircraft Ramp Expansion	PLANNED YEAR TO CONSTRUCT			2024



JUSTIFICATION: The airport does not have sufficient aircraft ramp space to accommodate existing aircraft operating at the airport. This project is supported by the short term transient aircraft apron shortfall of 3,700 square yards noted in the current airport master plan (Table 3H).

COST ESTIMATE:

ADMINISTRATION:	\$ 5,000	1. Construction	\$ 528,333		4 \$
ENGINEERING:	\$ 150,000	2	\$		5 \$
INSPECTION:	\$ 150,000	3	\$		
				TOTAL:	\$ 833,333

Federal (%) \$ 750,000 (AIP)
State \$ 0
Local (%) \$ 83,333

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2024	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

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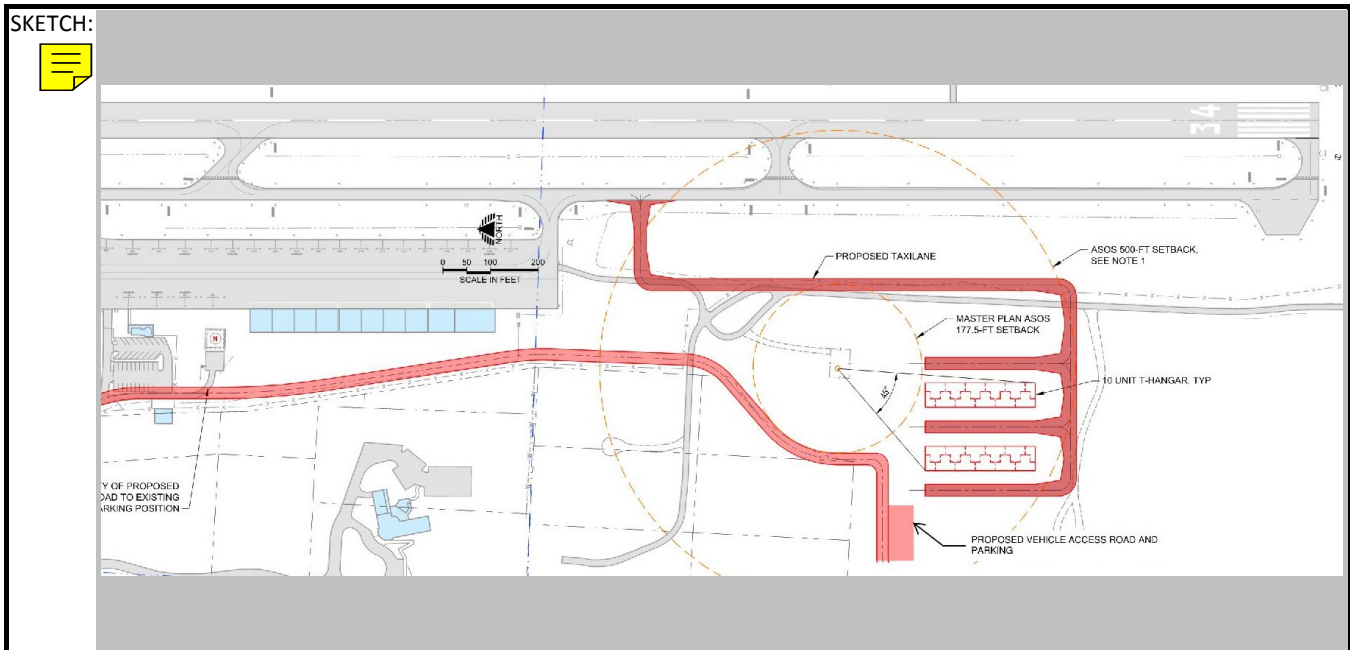
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CIP DATA SHEET

AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Southwest Development Area - Phase 1 Design (AIP)	PLANNED YEAR TO CONSTRUCT	2025		



JUSTIFICATION: AIP Design for the first phase of development in the southwest development area identified in the current master plan. Work elements are anticipated to include a taxiway, access road, and limited utility (electrical) improvements to serve follow on hangar development.

COST ESTIMATE:

ADMINISTRATION:	\$ 5,000	1. Construction	\$	4	\$
ENGINEERING:	\$ 328,333	2	\$	5	\$
INSPECTION:	\$	3	\$	TOTAL: \$ 333,333	

Federal (%) \$ 300,000 (AIP)
State \$ 0
Local (%) \$ 33,333

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)
For each and every project as applicable	3/2020 -Date of approved ALP with project shown 1/2025 -Date of environmental determination (ROB, FONSI, CatEx) N/A -Date of land acquisition or signed purchase agreement 2018 -Date of pavement maintenance program N/A -Date of Benefit Cost Analysis (BCA) as required

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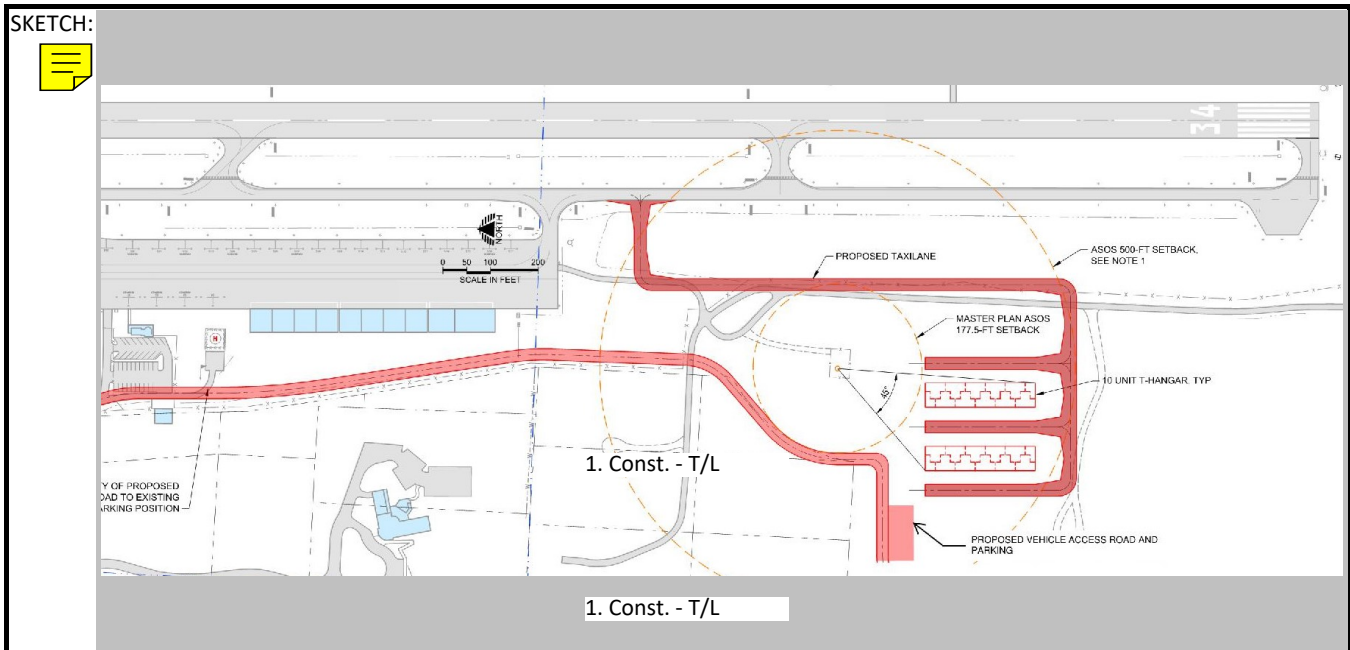
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY
PROJECT DESCRIPTION	Southwest Development Area - Phase 1 Construction (AIP)	PLANNED YEAR TO CONSTRUCT	2026	



JUSTIFICATION: AIP Construction for the first phase of development in the southwest development area identified in the current master plan. Work elements are anticipated to include a taxiway, access road, and limited utility (electrical) improvements to serve follow on hangar development.

COST ESTIMATE:

ADMINISTRATION:	\$ 10,000	1. Const. - T/L	\$ 2,401,111	4	\$
ENGINEERING:	\$	2. Const. - Roadway	\$ 500,000	5	\$
INSPECTION:	\$ 350,000	3. Const. - Utility	\$ 100,000	TOTAL: \$ 3,361,111	

Federal (%) \$ 3,025,000 (AIP)
State \$ 0
Local (%) \$ 336,111

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2025	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

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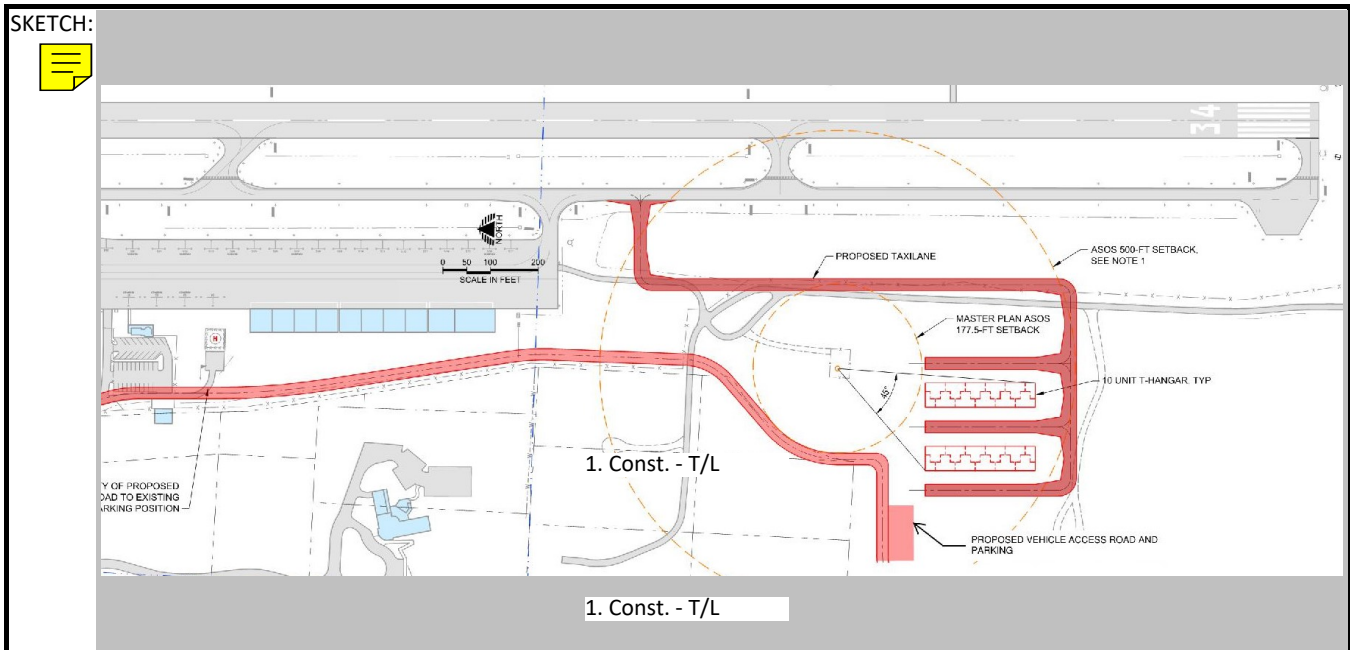
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY
PROJECT DESCRIPTION	Southwest Development Area - Phase 1 Design/Construction (BIL)	PLANNED YEAR TO CONSTRUCT	2026	



JUSTIFICATION: BIL Construction for the first phase of development in the southwest development area identified in the current master plan. Work elements are anticipated to include Port owned hangars and hangar access pavement.

COST ESTIMATE:

ADMINISTRATION:	\$ 10,000	1. Construction	\$ 2,667,778			
ENGINEERING:	\$ 50,000	2	\$			5 \$
INSPECTION:	\$ 50,000	3	\$			TOTAL: \$ 2,777,778

Federal (%) \$ 2,500,000 (BIL) State \$ 0 Local (%) \$ 277,778

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2025	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
	N/A	-Date of Benefit Cost Analysis (BCA) as required

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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Airport Power Sources Energy Efficiency Improvements	PLANNED YEAR TO CONSTRUCT	2026		



JUSTIFICATION: Project will include improvements identified in the pending energy assessment that increase energy efficiency at the airport and are BIL funding eligible under 49 U.S.C. 47140(b).

COST ESTIMATE:

ADMINISTRATION:	\$ 5,000	1. Construction	\$ 450,556	4	\$
ENGINEERING:	\$ 50,000	2	\$	5	\$
INSPECTION:	\$ 50,000	3	\$	TOTAL: \$ 555,556	

Federal (%) \$ 500,000 (BIL) State \$ 0 Local (%) \$ 55,556

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)	
For each and every project as applicable	1/2025	-Date of approved ALP with project shown
	1/2026	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
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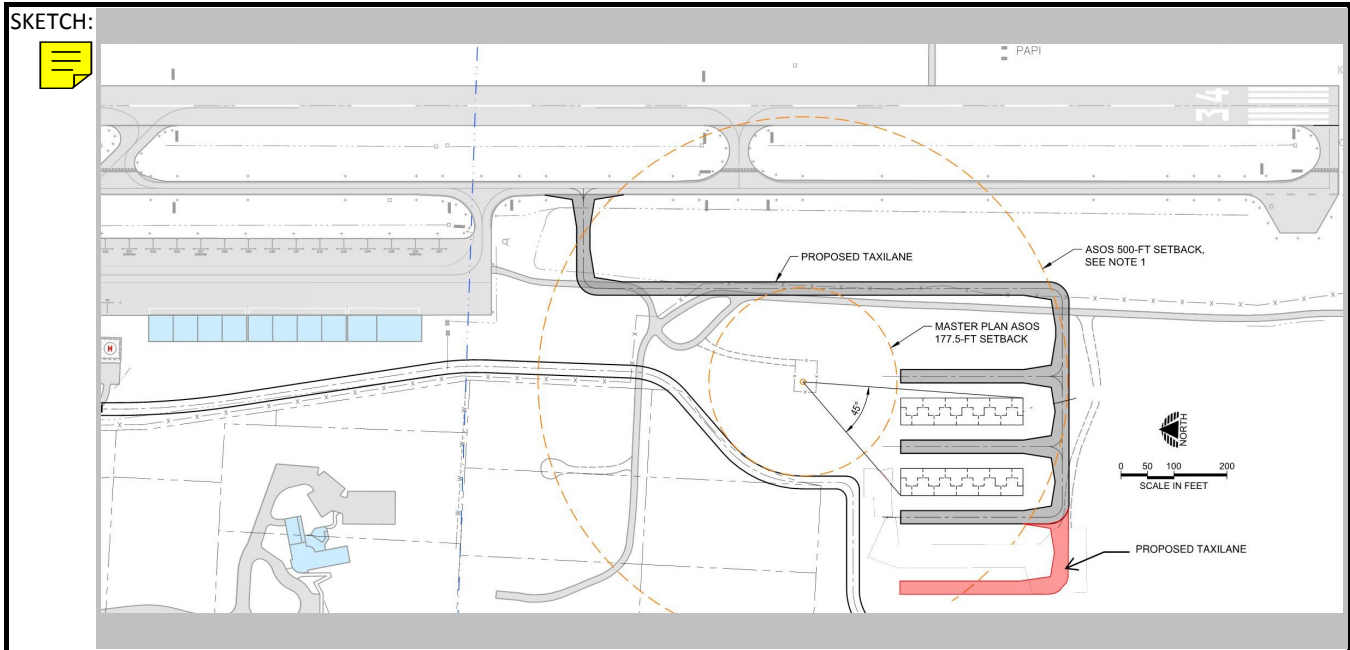
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Southwest Development Hangar Taxilane - Phase 2 Design/Construction (AIP)	PLANNED YEAR TO CONSTRUCT	2027		



JUSTIFICATION: Construct additional hangar taxilane in the southwest development area to support additional follow on hangar construction.

COST ESTIMATE:

ADMINISTRATION:	\$ 5,000	1. Construction	\$ 436,667		4 \$
ENGINEERING:	\$ 100,000	2	\$		5 \$
INSPECTION:	\$ 125,000	3	\$		
				TOTAL:	\$ 666,667

Federal (%) \$ 600,000 (AIP) State \$ 0 Local (%) \$ 66,667

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For each and every project as applicable	3/2020	-Date of approved ALP with project shown
	1/2025	-Date of environmental determination (ROB, FONSI, CatEx)
	N/A	-Date of land acquisition or signed purchase agreement
	2018	-Date of pavement maintenance program
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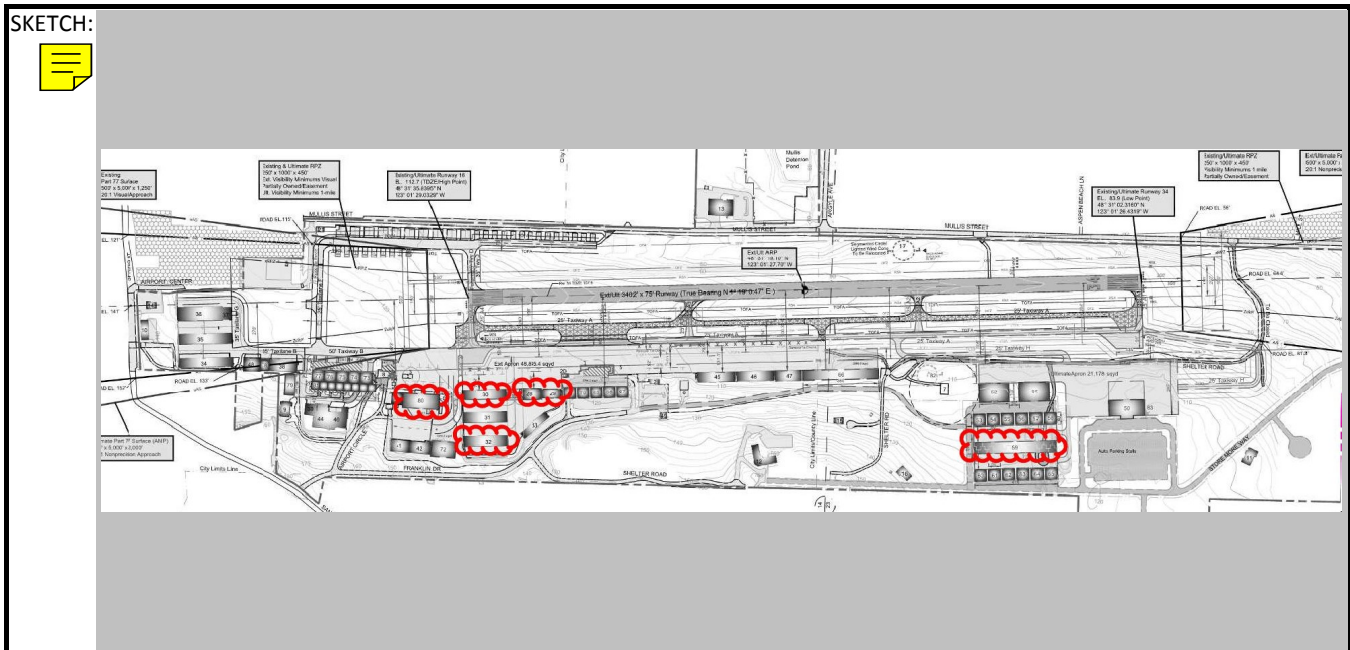
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AIRPORT	Friday Harbor Airport	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Hangar Development and Major Rehabilitation - Design/Construction (BIL)	PLANNED YEAR TO CONSTRUCT	2027		



JUSTIFICATION: BIL Design and Construction for additional new hangar development and major rehabilitation of existing Port owned hangars.

COST ESTIMATE:

ADMINISTRATION:	\$ 10,000	1. Construction	\$ 950,022		4 \$
ENGINEERING:	\$ 100,000	2	\$		5 \$
INSPECTION:	\$ 100,000	3	\$		TOTAL: \$ 1,160,022

Federal (%) \$ 1,044,020 State \$ 0 Local (%) \$ 116,002

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)
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	1/2025 -Date of environmental determination (ROB, FONSI, CatEx)
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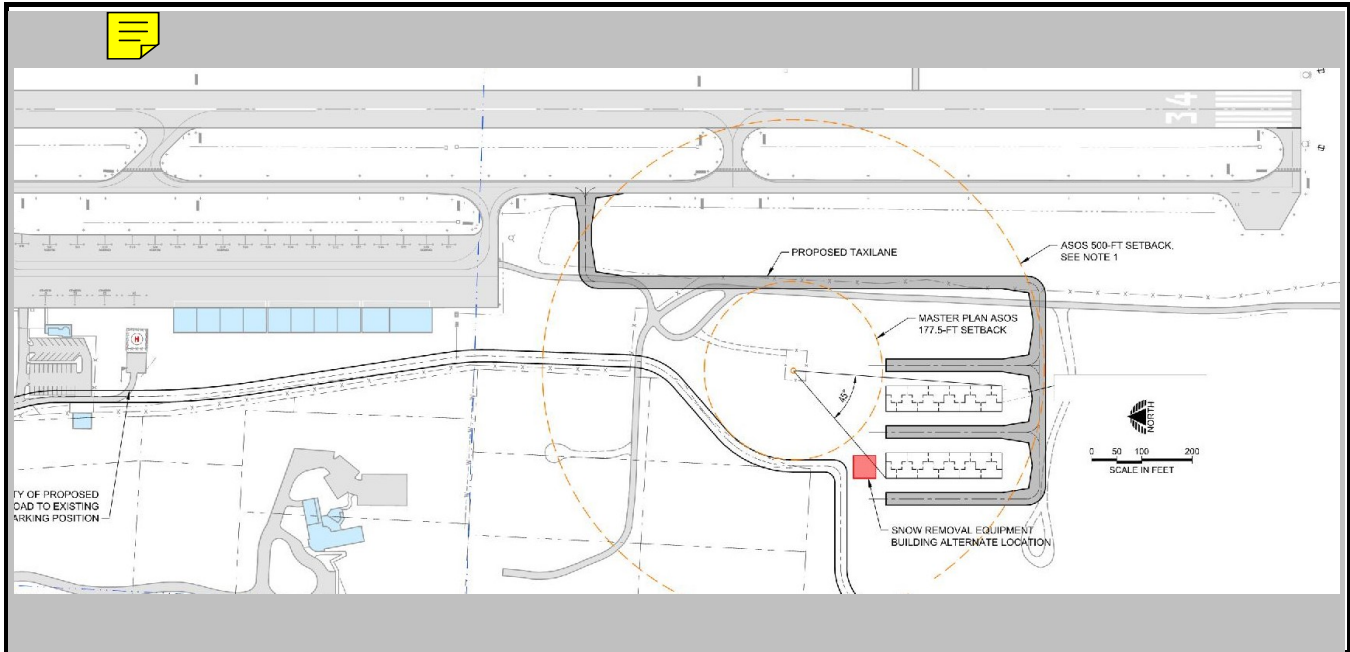
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AIRPORT	Friday Harbor	LOCID	FHR	LOCAL PRIORITY	
PROJECT DESCRIPTION	Snow Removal Equipment (SRE) Building - Design/Construction	PLANNED YEAR TO CONSTRUCT	2028		



JUSTIFICATION: Building to store airport Snow Removal Equipment (SRE)

COST ESTIMATE:

ADMINISTRATION:	\$ 10,000	1. Construction	\$ 709,444		4 \$
ENGINEERING:	\$ 150,000	2	\$		5 \$
INSPECTION:	\$ 75,000	3	\$		
			TOTAL:		\$ 944,444

Federal (%) \$ 850,000 State \$ 0 Local (%) \$ 94,444

SPONSOR VERIFICATION:	Date (see instruction sheet or attached comments for more information)				
For each and every project as applicable	1/2025	-Date of approved ALP with project shown			
	1/2025	-Date of environmental determination (ROB, FONSI, CatEx)			
	N/A	-Date of land acquisition or signed purchase agreement			
	2018	-Date of pavement maintenance program			
	N/A	-Date of Benefit Cost Analysis (BCA) as required			

SPONSOR'S SIGNATURE: _____ **DATE:** 10/15/21
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