

**SEPTEMBER 12, 2024
AIRPORT COMMISSION MEETING
ADDITIONAL MATERIAL/REVISIONS**

REQUESTED ADDITIONS TO THE PACKET:

<u>ACTION</u>	<u>ITEM</u>	<u>REQUESTED BY</u>
Add Item F.2	Discussion/Recommendation – Approval of the 2025- 2028 Airport Capital Improvement Plan (ACIP). <ul style="list-style-type: none">• Memo• Airport Capital Improvement Plan	Airport Manager



"Serving the Greater Kenai Peninsula"

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MEMO

To: Airport Commission
From: Derek Ables – Airport Manager
Date: September 10, 2024
Subject: ***Discussion/Recommendation – Revised Fiscal Years 2025-2028 Capital Improvement Plan***

The FAA is requesting the City to review the Airport capital projects for fiscal years 2025-2028 and submit by October 1, 2024. They are in the final stages of developing their plan for FY25 and are soliciting any last updates from the City.

Submission requirements are the City's intentions for the program type (BIL, AIP, etc.), prioritized project list broke down by fiscal year, total project estimate, breakout of proposed funding sources, and capital improvement program data sheets (CIPDS). CIPDS must include: breakout of major work element costs, thorough description of project scope, adequate documentation of eligibility and justification, and a descriptive sketch or marked up aerial image identifying the scope of work, location, and physical boundary of the project elements. Pavement projects should include the Pavement Condition Index (PCI).

This is the final opportunity to adjust the FY25 program without need for special justifications. The Airport has made one change to the FY25 program with the movement of the Apron Pavement Maintenance from FY24 to FY25. The project was added to ACIP late last year in October. The FAA attempted to fund this last year, but the Airport was notified in July that discretionary funding would not be available. This project is 100% designed. Additional changes to FY26-FY28 could be made prior to the routine submittal of the ACIP in February.

The FAA will let us know which projects they anticipating being able to support contingent on such factors as fund availability, favorable environmental findings, and timely grant application submission.

Does Commission recommend Council approval of the Airport's Fiscal year 2025-2028 Capital Improvement Program?

Attachments

Kenai Municipal Airport
Airport Capital Improvement Plan
FY25-FY30

ENA #	Project Title	NPR	FISCAL YEAR	TOTAL ESTIMATED COST \$\$	AIP ENTITLEMENTS	DISCRETIONARY FUNDS	BIL FUNDS	SPONSOR SHARE
ENA - 1	Apron Pavement Maintenance	74	FY25	\$2,279,000		\$2,136,600		\$142,400
ENA - 2	Rehabilitate RW 02L/20R	79	FY25	\$26,789,300	\$1,562,300	\$23,552,700		\$1,674,300
ENA - 3	Airport Master Plan - Phase 2	71	FY25	\$1,180,000			\$1,106,200	\$73,800
ENA - 4	Acquire ARFF Vehicle	87	FY25	\$1,500,000	\$1,406,200			\$93,800
			FY25 Totals	\$31,748,300	\$2,968,500	\$25,689,300	\$1,106,200	\$1,984,300
ENA - 5	Rehabilitate TW A/B/C/D/E/K/L/M	74	FY26	\$20,602,100	\$2,500,000	\$16,814,500		\$1,287,600
ENA - 6	Perimeter and Security Fenceline Improvements	29	FY26	\$1,272,200			\$1,192,700	\$79,500
ENA - 7	Terminal Access Road and Parking Lot Improvements	61	FY26	\$3,561,000		\$3,338,400		\$222,600
			FY26 Totals	\$25,435,300	\$2,500,000	\$20,152,900	\$1,192,700	\$1,589,700
ENA - 8	Construct Taxiway Sierra	73	FY27	\$10,287,000	\$1,250,000	\$8,394,100		\$642,900
ENA - 9	Willow St. Extension	61	FY27	\$7,448,000		\$3,082,500	\$3,900,000	\$465,500
			FY27 Totals	\$17,735,000	\$1,250,000	\$11,476,600	\$3,900,000	\$1,108,400
			FY28 Totals	\$0	\$0	\$0	\$0	\$0
			FY29 Totals	\$0	\$0	\$0	\$0	\$0
ENA - 10	Rehabilitate TW F/J & GA Apron	74	FY30	\$25,528,900	\$3,750,000	\$20,183,300		\$1,595,600
ENA - 11	Rehabilitate Taxiways G/H/J and City Apron	74	FY30	\$5,910,500		\$1,641,100	\$3,900,000	\$369,400
			FY30 Totals	\$31,439,400	\$3,750,000	\$21,824,400	\$3,900,000	\$1,965,000
FY25-FY30 Totals				\$106,358,000	\$10,468,500	\$79,143,200	\$10,098,900	\$6,647,400

CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2025**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
RE	AP	IM	Apron Pavement Maintenance	\$ 2,279,000
			Total Cost:	\$ 2,279,000
			Sponsor Share:	\$ 142,400
			Federal Share (93.75% of total cost for this airport):	\$ 2,136,600

Project Description and Justification:

The age and Pavement Condition Index (PCI) of the surfaces in this project warrant the inclusion of crack sealing and seal coating to preserve the existing surfaces in usable condition. The most recent pavement Inspection Report was completed in 2021 and shows the apron was in place for 11 years with an average PCI of 76, which warrants preventative/corrective maintenance. Taxiway Juliet was 9 years old at the time of the inspection and had an average PCI of 78.

Derek Ables

Airport Manager

Contact Name:

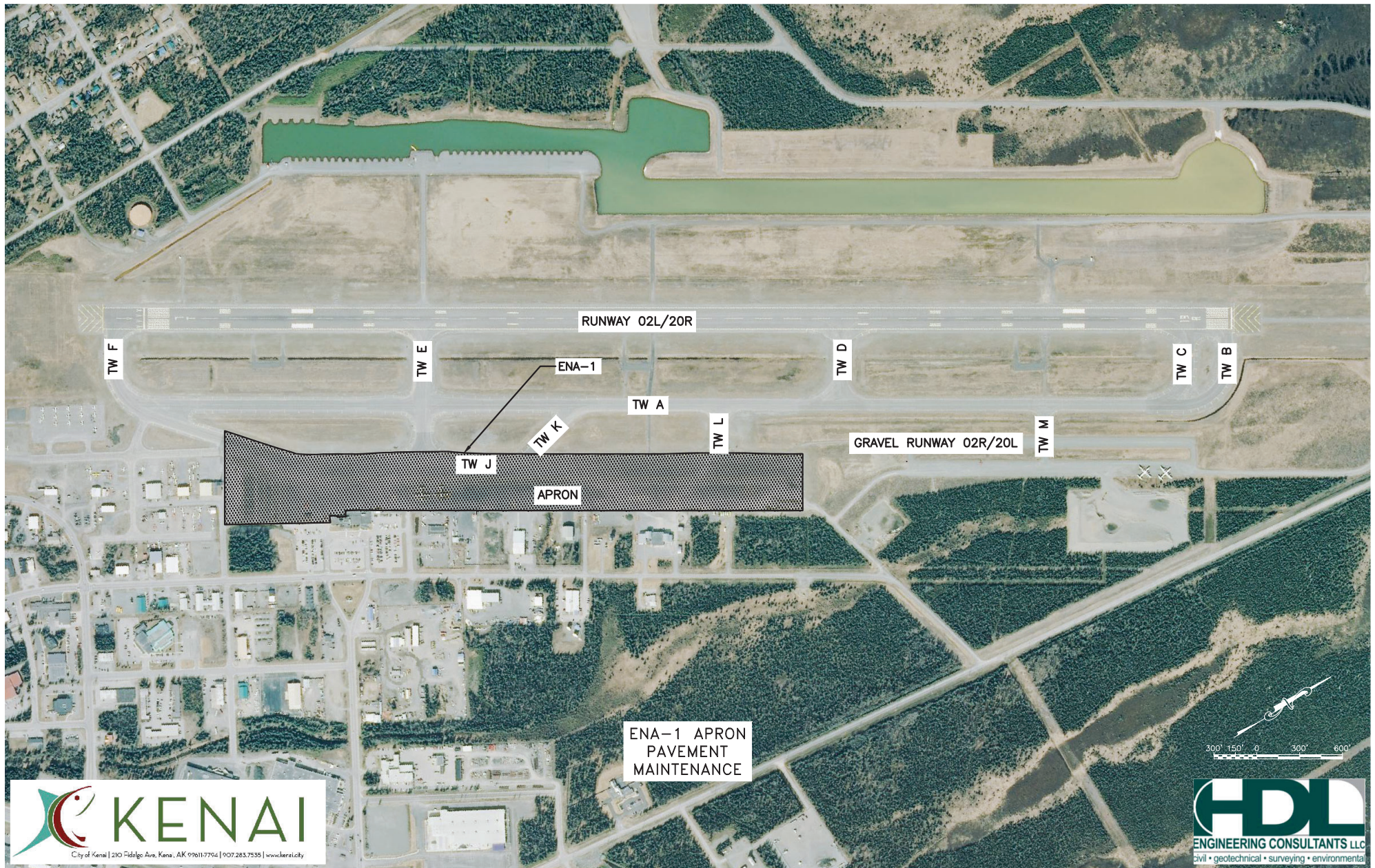
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2025**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
RE	RW	IM	Rehabilitate RW 02L/20R	\$ 23,454,000
RE	RW	LI	Rehabilitate RW 02L/20R - Lighting	\$ 3,335,300
			Total Cost:	\$ 26,789,300
			Sponsor Share:	\$ 1,674,300
			Federal Share (93.75% of total cost for this airport):	\$ 25,115,000

Project Description and Justification:

The DOT& PF Alaska Airport Pavement Inspection Report for the Kenai Airport published in August 2021 identified a Pavement Condition Index (PCI) average of 46 for Runway 02L/20R due to excessive reflective cracking. A geotechnical evaluation was conducted and revealed that the deterioration is not due to failure of the base and subbase and rehabilitation is warranted. 02L/20R was previously rehabilitated in 2007 and has exceeded the 10-year life span.

Current lighting is more than 15 years old, has exceeded its useful life, and is in need of repairs.

A failing storm water drainage system servicing the north end of the runway infield has also failed and is need of repairs.

Derek Ables

Airport Manager

Contact Name:

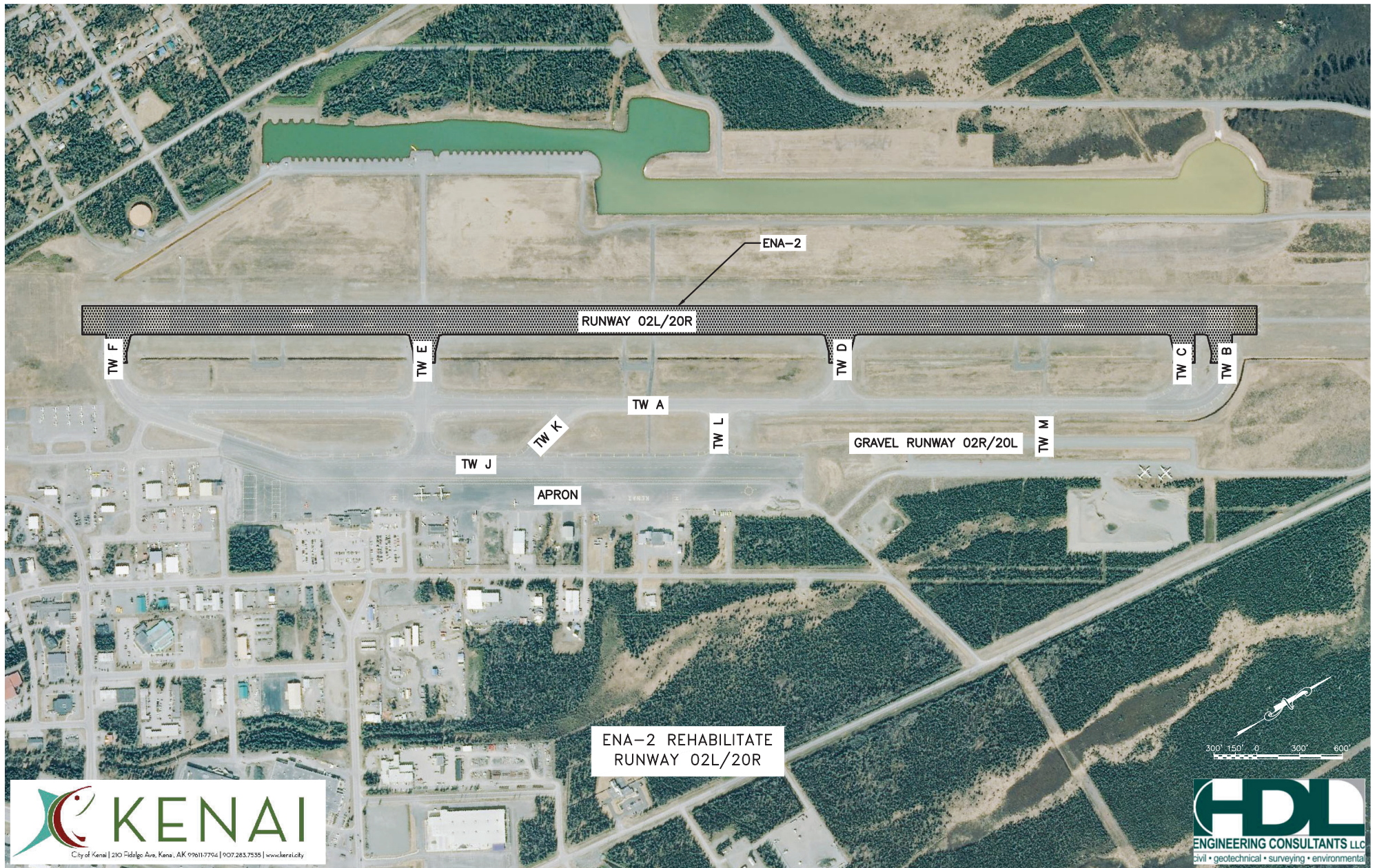
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2025**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
PL	PL	MA	Airport Master Plan - Phase 2	\$ 1,180,000
			Total Cost:	\$ 1,180,000
			Sponsor Share:	\$ 73,800
			Federal Share (93.75% of total cost for this airport):	\$ 1,106,300

Project Description and Justification:

Phase 2 is anticipated to include Alternatives Analysis, Recommendations, Financial Plan, Airport Capital Improvement Plan (ACIP) Update and Airport Layout Plan (ALP) Update. Phase 2 work will be based on the findings of Phase 1, Conditions and Needs Assessment.

Derek Ables

Airport Manager

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ENA-3 Airport Master Plan - Phase 2
No Figure Required

CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2025**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
SA	EQ	RF	Acquire ARFF Vehicle	\$ 1,500,000
			Total Cost:	\$ 1,500,000
			Sponsor Share:	\$ 93,800
			Federal Share (93.75% of total cost for this airport):	\$ 1,406,200

Project Description and Justification:

This project will acquire a new ARFF vehicle that meets minimum Part 139 requirements.

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ENA-4 Acquire ARFF Vehicle
No Figure Required

CIP DATASHEET

Airport Name: Kenai Municipal Airport

Grant Year: 2026

LOCID: ENA

Date Submitted: Oct-24

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
RE	TW	IM	Rehabilitate TW A/B/C/D/E/K/L/M	\$ 16,619,700
RE	TW	LI	Rehabilitate TW A/B/C/D/E/K/L/M - Lighting	\$ 3,982,400
			Total Cost:	\$ 20,602,100
			Sponsor Share:	\$ 1,287,600
			Federal Share (93.75% of total cost for this airport):	\$ 19,314,500

Project Description and Justification:

The DOT/PF's Alaska Pavement Inspection Report for the Kenai Airport published in August 2021 identified the following Pavement Condition Index (PCI's):

Taxiway A (67-76)

Taxiway B (77)

Taxiway C (70)

Taxiway D (57-66)

Taxiway E (68-70)

Taxiway K (62-65)

Taxiway L (36)

Taxiway M (59)

Taxiway A will be utilized at a temporary runway during the rehabilitation of 02L/20R and will be subject to increased aircraft use and degradation to the surface. Current edge lighting has exceeded its useful life, and is need of repairs.

Derek Ables

Airport Manager

Contact Name:

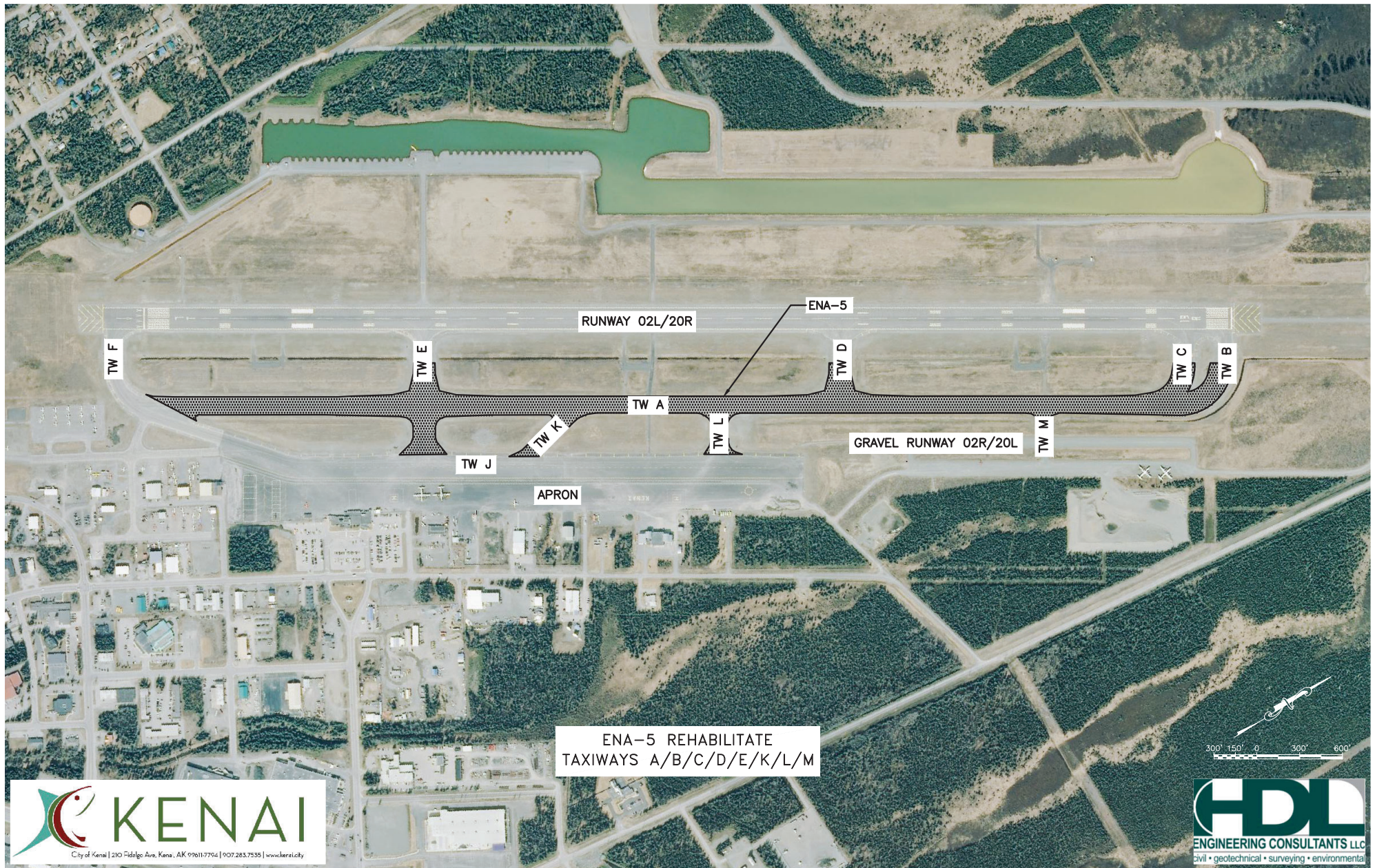
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2026**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
ST	EQ	SE	Perimeter and Security Fenceline Improvements	\$ 1,272,200
			Total Cost:	\$ 1,272,200
			Sponsor Share:	\$ 79,500
			Federal Share (93.75% of total cost for this airport):	\$ 1,192,700

Project Description and Justification:

Sections of the existing airport perimeter and security fence need to be replaced and/or constructed to comply with USDA and FAA safety regulations. Additionally, existing electronic vehicle gates are failing and need to be replaced. Airport maintenance personnel require additional 20-foot swing gates to support wildlife incursion mitigation and snow removal/storage operations.

Derek Ables

Airport Manager

Contact Name:

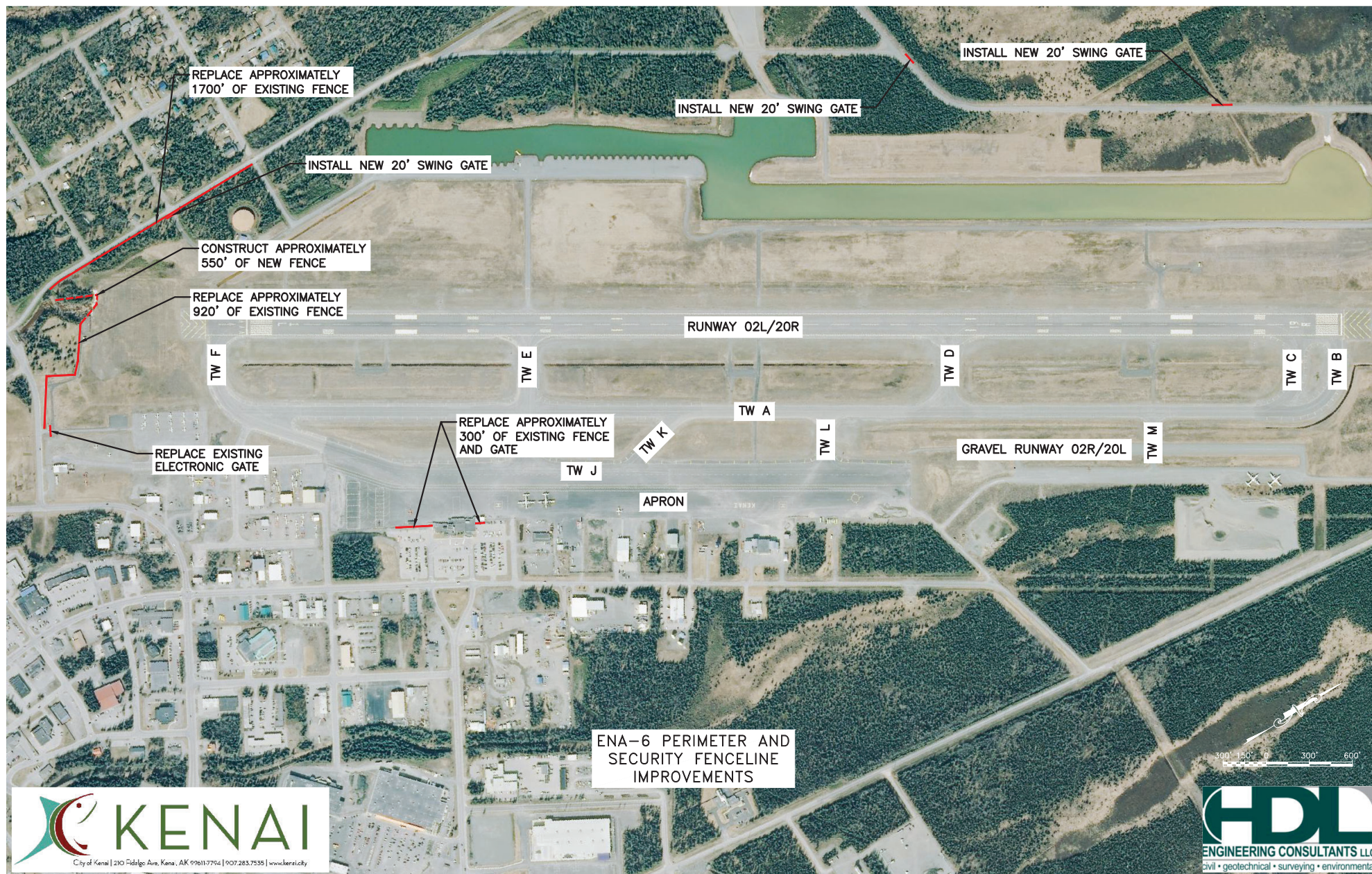
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2026**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
CA	GT	AC	Terminal Access Road and Parking Lot Improvements	\$ 3,561,000
			Total Cost:	\$ 3,561,000
			Sponsor Share:	\$ 222,600
			Federal Share (93.75% of total cost for this airport):	\$ 3,338,400

Project Description and Justification:

The rehabilitation project includes the terminal access road, passenger and car rental vehicle parking lots, lighting, and parking lot expansion.

Asphalt in the access road and parking lots is from 1983 and has cracks, potholes, and sink holes.

Lighting is old and failing.

Derek Ables

Airport Manager

Contact Name:

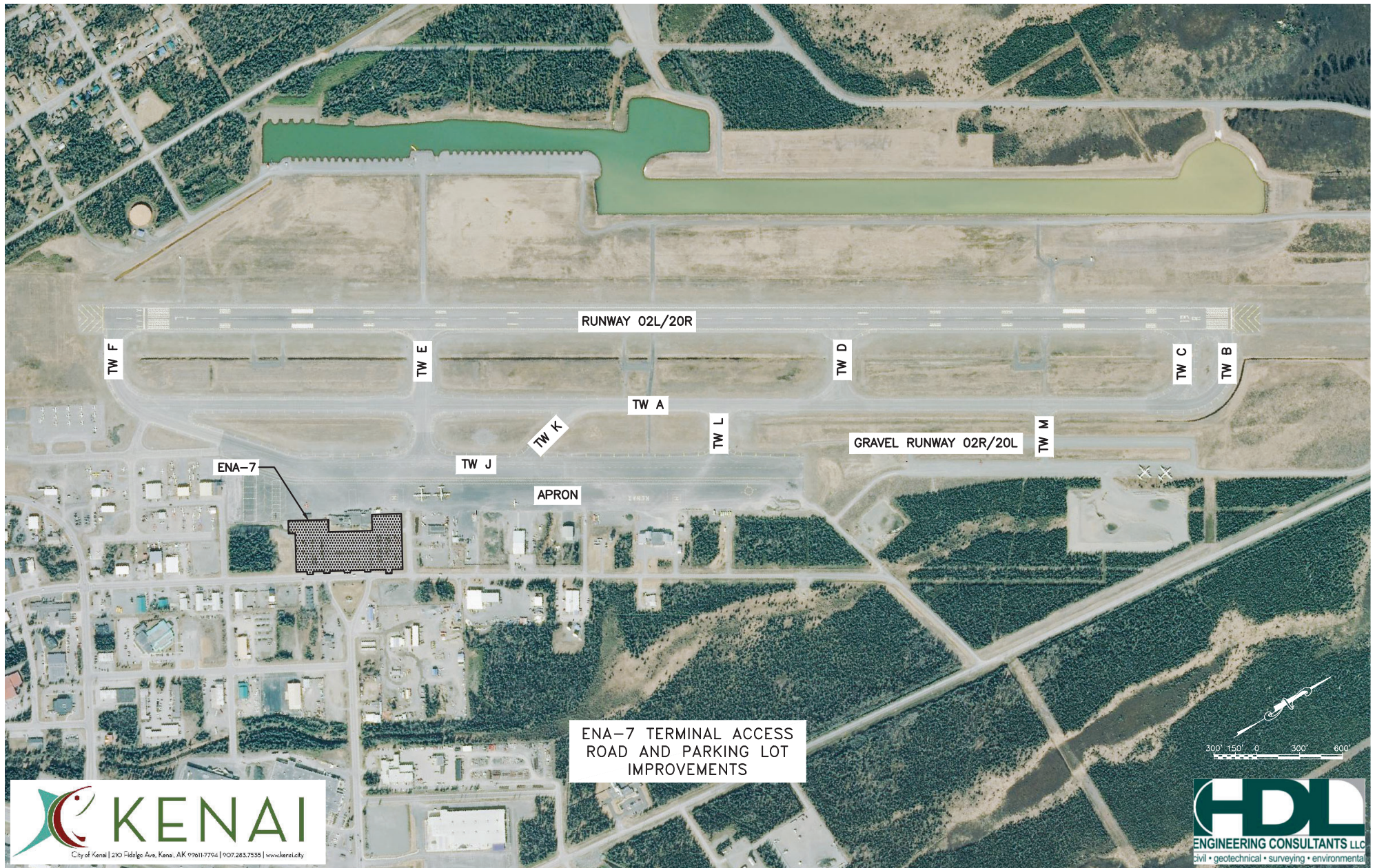
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2027**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
CA	TW	CO	Construct Taxiway Sierra	\$ 9,369,800
CA	TW	CO	Construct Taxiway Sierra - Lighting	\$ 917,200
			Total Cost:	\$ 10,287,000
			Sponsor Share:	\$ 642,900
			Federal Share (93.75% of total cost for this airport):	\$ 9,644,100

Project Description and Justification:

Taxiway Sierra is shown on the Ultimate Layout Plan and will allow for additional lease lot development. This project contains the work necessary to complete clearing, excavation, embankments, drainage, paving, electrical, fencing, topsoil, seeding, and other related items required to support development of Taxiway Sierra.

Derek Ables

Airport Manager

Contact Name:

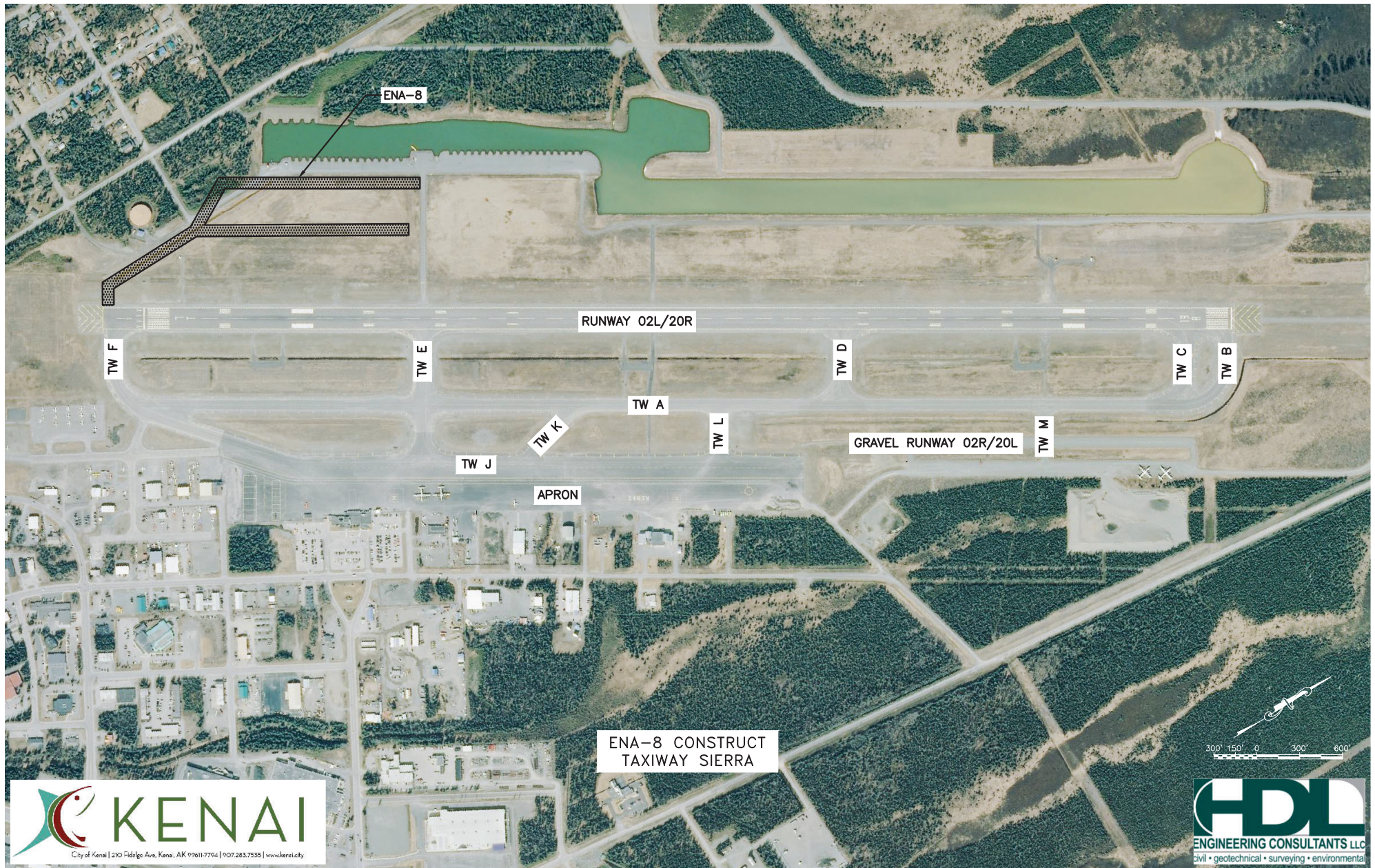
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2027**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
CA	OT	CO	Willow St. Extension	\$ 7,448,000
			Total Cost:	\$ 7,448,000
			Sponsor Share:	\$ 465,500
			Federal Share (93.75% of total cost for this airport):	\$ 6,982,500

Project Description and Justification:

This project extends Willow Street with utilities, and creates 5 acres available for lease lots.

The Airport is running out of available lease lots and this will create more access.

Derek Ables

Airport Manager

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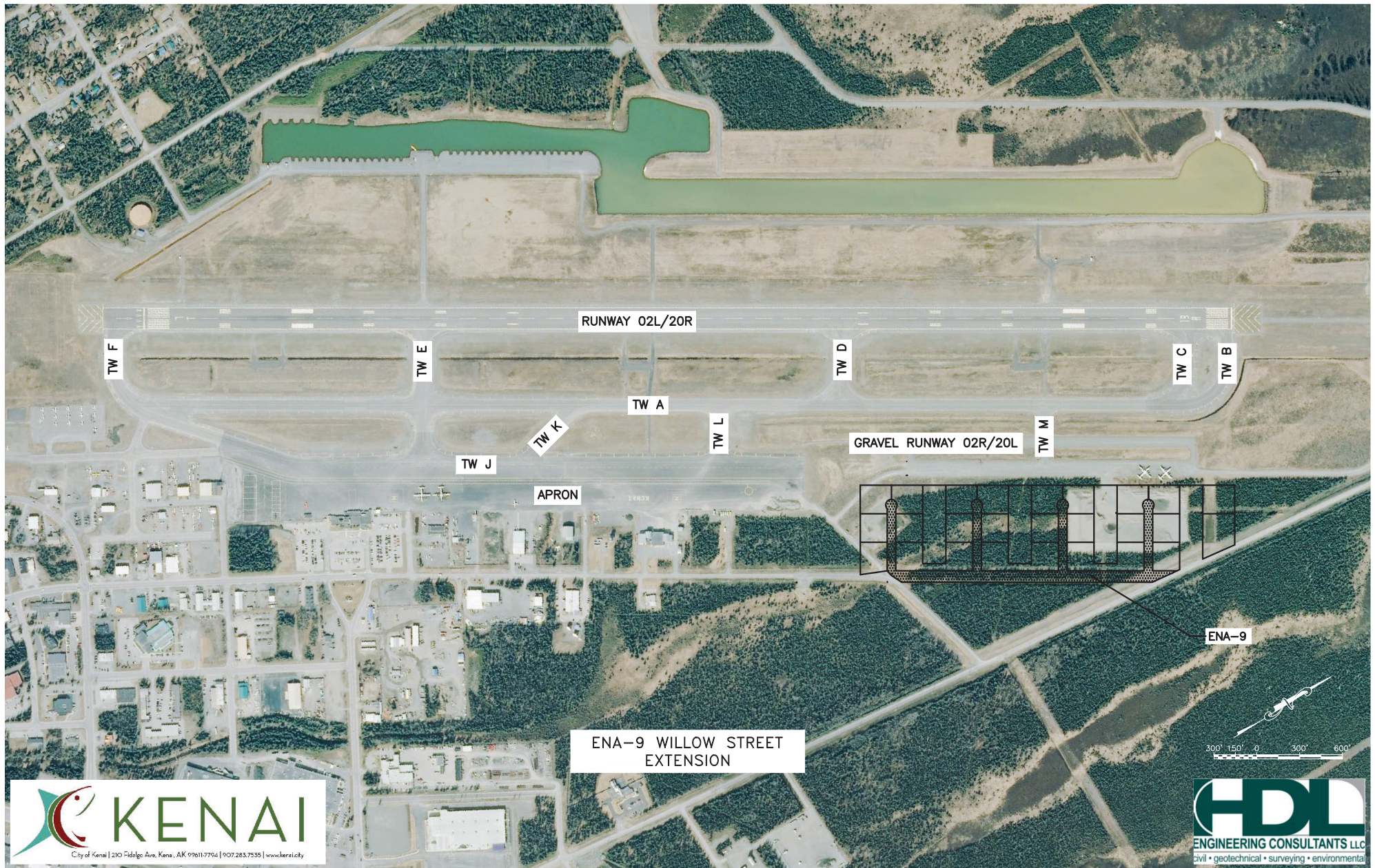
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CIP DATASHEET

Airport Name: **Kenai Municipal Airport**

Grant Year: **2030**

LOCID: **ENA**

Date Submitted: **Oct-24**

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
RE	TW	IM	Rehabilitate TW F/J	\$ 7,224,100
RE	TW	LI	Rehabilitate TW F/J - Lighting	\$ 488,200
RE	AP	IM	Rehabilitate GA Apron	\$ 16,688,800
RE	AP	LI	Rehabilitate GA Apron - Lighting	\$ 1,127,800
			Total Cost:	\$ 25,528,900
			Sponsor Share:	\$ 1,595,600
			Federal Share (93.75% of total cost for this airport):	\$ 23,933,300

Project Description and Justification:

The DOT/PF's Alaska Pavement Inspection Report for the Kenai Airport published in August 2021 identified the following Pavement Condition Index (PCI's):

Taxiway F (78)

Taxiway J (78)

GA Apron (76)

By 2030, the assumed PCI for Taxiway F, Taxiway J, and the GA apron are anticipated to be in the Rehabilitation range of 55-69, and will likely warrant a replacement. Edge lighting and area lighting are also anticipated to be at the end of their useful life and should be replaced.

Derek Ables

Airport Manager

Contact Name:

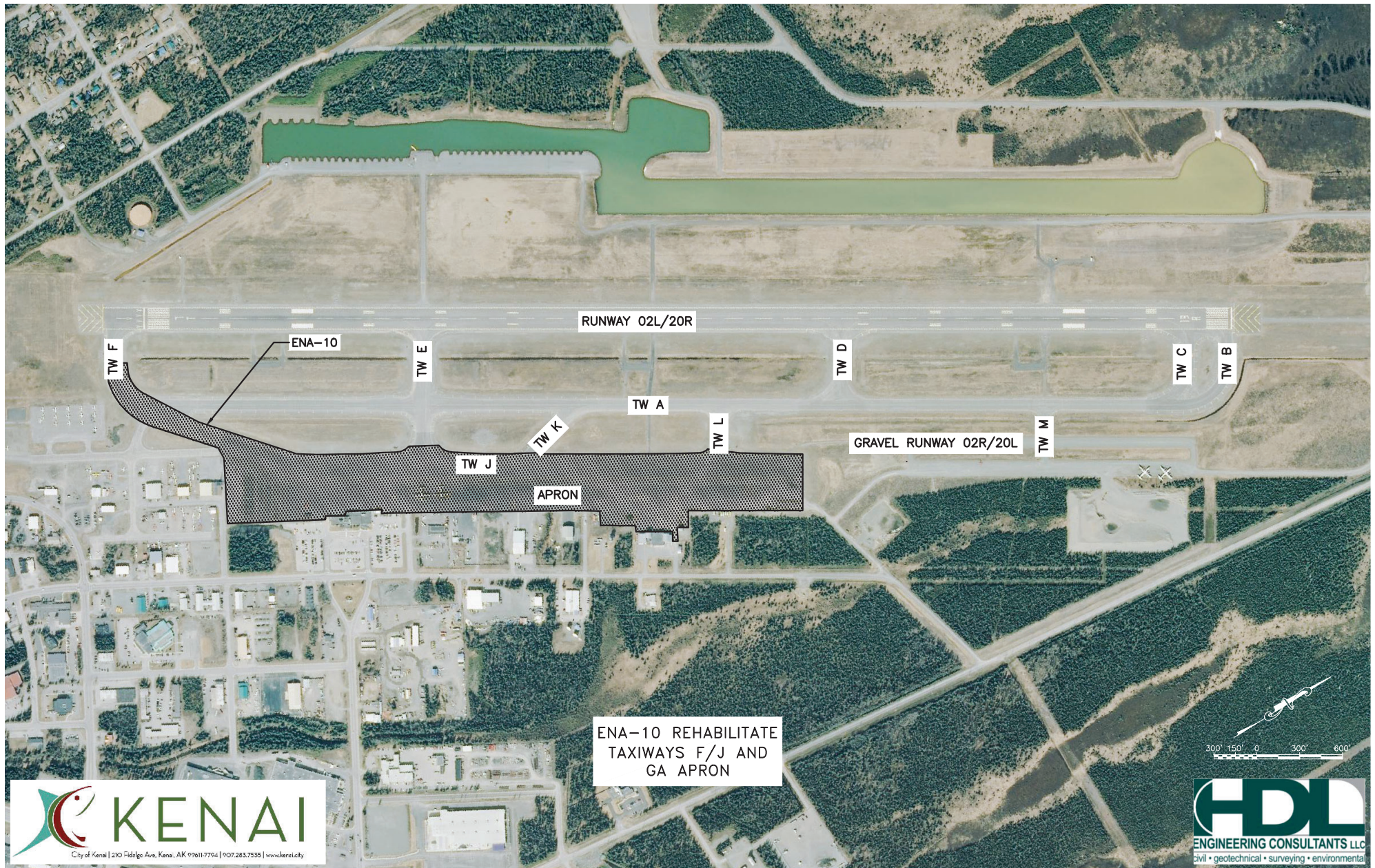
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CIP DATASHEET

Airport Name: Kenai Municipal Airport

Grant Year: 2030

LOCID: ENA

Date Submitted: Oct-24

CIP Work Code			Project Description	Cost in Dollars (\$)
Purpose	Component	Type		
RE	TW	IM	Rehabilitate Taxiways G/H/J	\$ 2,882,600
RE	TW	LI	Rehabilitate Taxiways G/H/J - Lighting	\$ 562,600
RE	AP	IM	Rehabilitate City Apron	\$ 2,062,700
RE	AP	LI	Rehabilitate City Apron - Lighting	\$ 402,600
			Total Cost:	\$ 5,910,500
			Sponsor Share:	\$ 369,400
			Federal Share (93.75% of total cost for this airport):	\$ 5,541,100

Project Description and Justification:

The DOT/PF's Alaska Pavement Inspection Report for the Kenai Airport published in August 2021 identified the following Pavement Condition Index (PCI's):

Taxiway G (89)

Taxiway H (76)

Taxiway J (43)

City Apron (68-84)

By 2030, the assumed PCI for Taxiway G and Taxiway H are anticipated to be in the Rehabilitation range of 55-69

or worse.

As of 2021, Taxiway J and the City Apron already have ratings in the Rehabilitation range of 55-69 or worse,

and will likely warrant replacement. Edge lighting and area lighting are also anticipated to be at the end of their useful life and should be replaced.

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