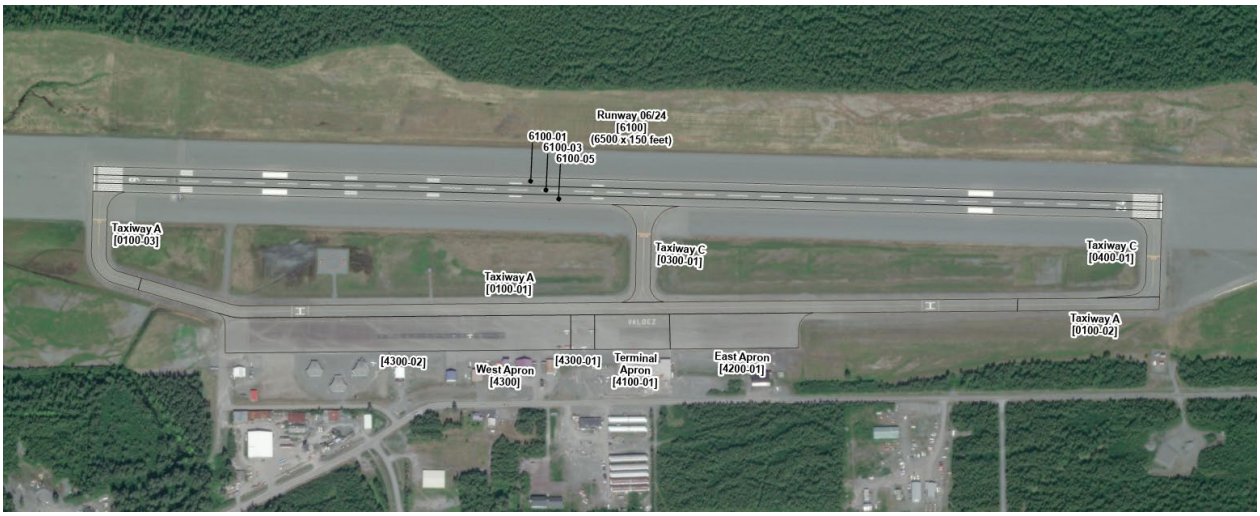
Alaska DOT&PF

Data Modernization and Innovation Office
Pavement Management and Preservation
5800 East Tudor Road, Anchorage AK 99507-1286

Pavement Inspection Report
Valdez Airport



Airport Name	IATA	ICAO	Latitude	Longitude	Elevation (ft)
Valdez Airport	VDZ	PAVD	61° 08' 02" N	146° 14' 54" W	128

Please refer all questions or for further information about this report, please contact the AKDOT&PF Pavement Management and Preservation Office as follows:

Point of Contact	Phone	Email	Date Inspected	Date Published
Mr. Andrew Pavey, Pavement Management Engineer	(907) 269 6213	andrew.pavey@alaska.gov	September 2025	September 2025

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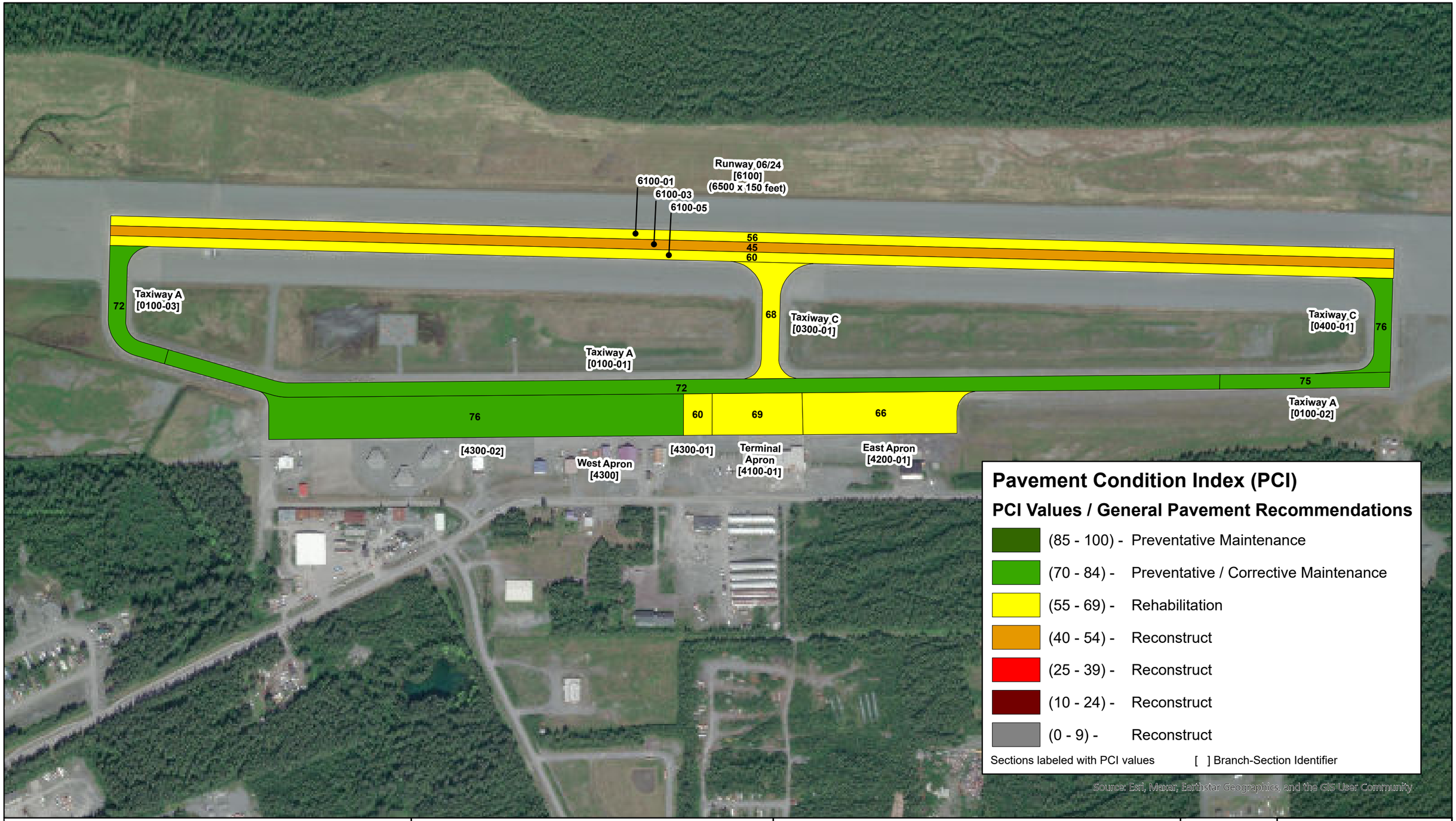


Valdez Airport

Airport Code: PAVD

Pavement Condition Index (PCI)

Target PCI Range for Runways: 70 to 100

Target PCI Range for Taxiways and Aprons: 60 to 100

N W E S

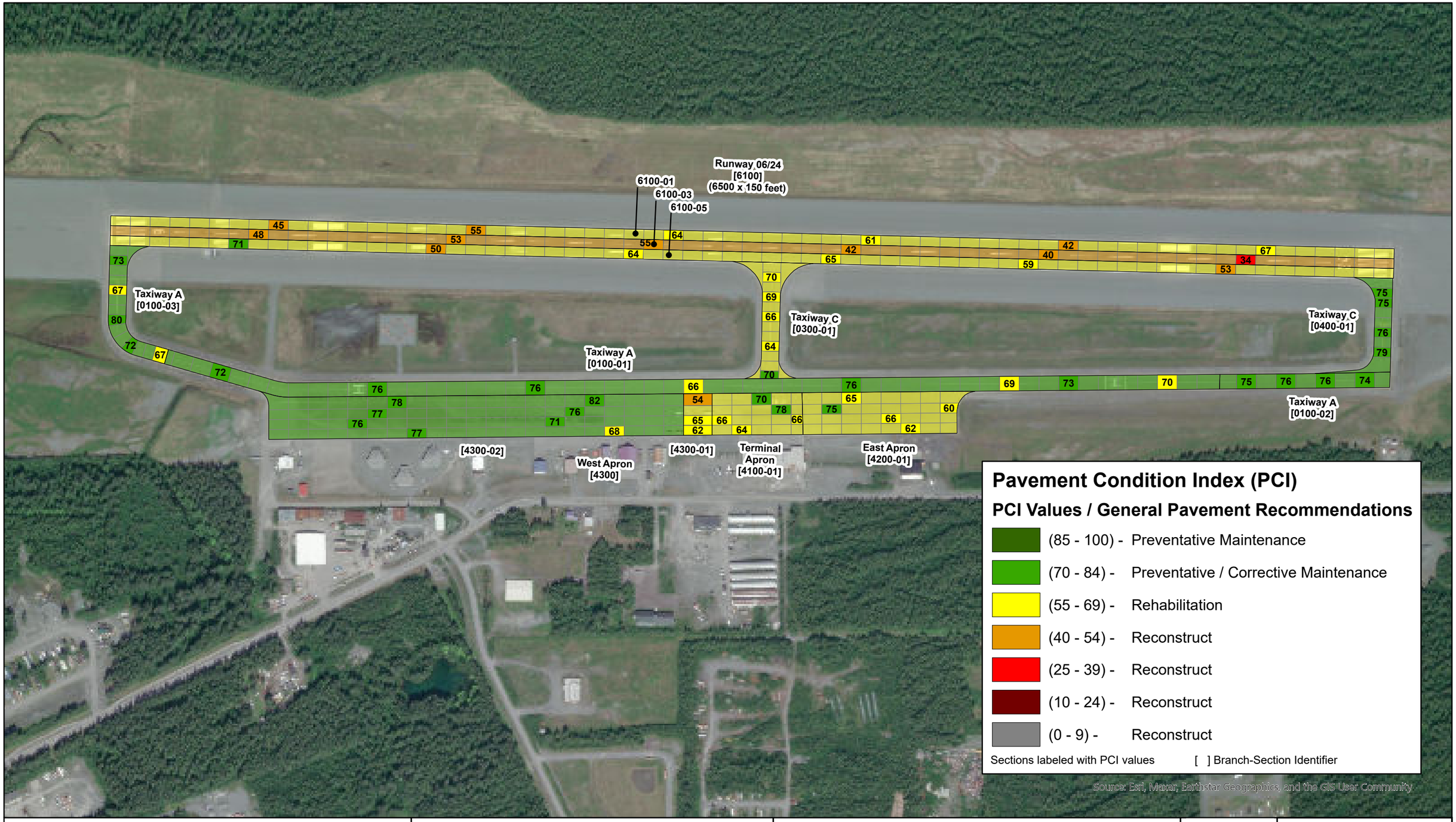
2025 Pavement Inspection Results

0 250 500 1,000

Feet

Map Created by
State of Alaska DOT&PF

Map 1 of 6



Valdez Airport

Airport Code: PAVD

Sample Unit
Pavement Condition Index (PCI)

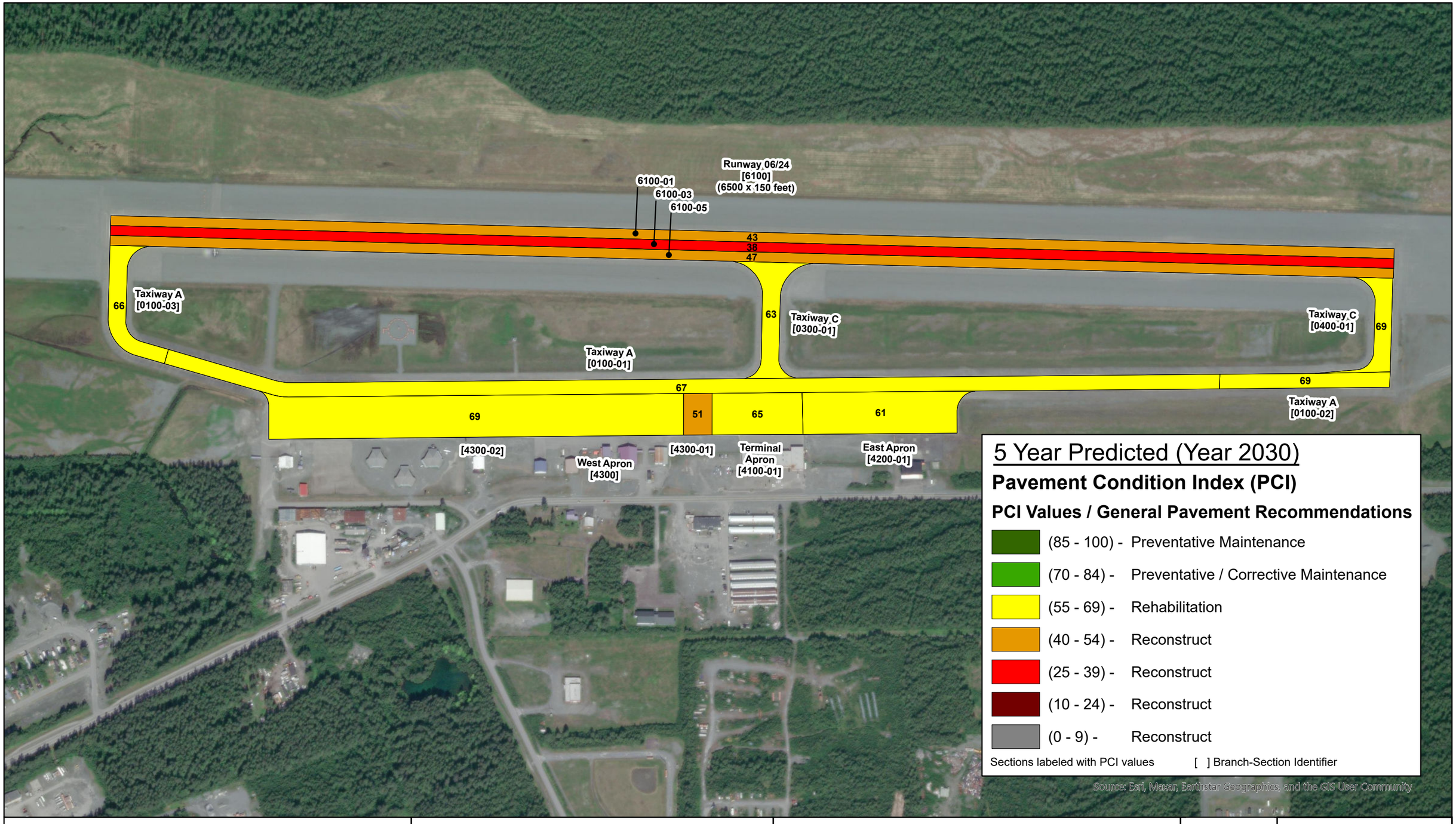
N W E S

2025 Pavement Inspection Results

0 250 500 1,000

Feet

Map Created by
State of Alaska DOT&PF



5 Year Predicted (Year 2030)

Pavement Condition Index (PCI)

PCI Values / General Pavement Recommendations

- (85 - 100) - Preventative Maintenance
- (70 - 84) - Preventative / Corrective Maintenance
- (55 - 69) - Rehabilitation
- (40 - 54) - Reconstruct
- (25 - 39) - Reconstruct
- (10 - 24) - Reconstruct
- (0 - 9) - Reconstruct

Sections labeled with PCI values [ ] Branch-Section Identifier

Valdez Airport

Airport Code: PAVD

5 Year Predicted
Pavement Condition Index (PCI)

Target PCI Range for Runways: 70 to 100
Target PCI Range for Taxiways and Aprons: 60 to 100

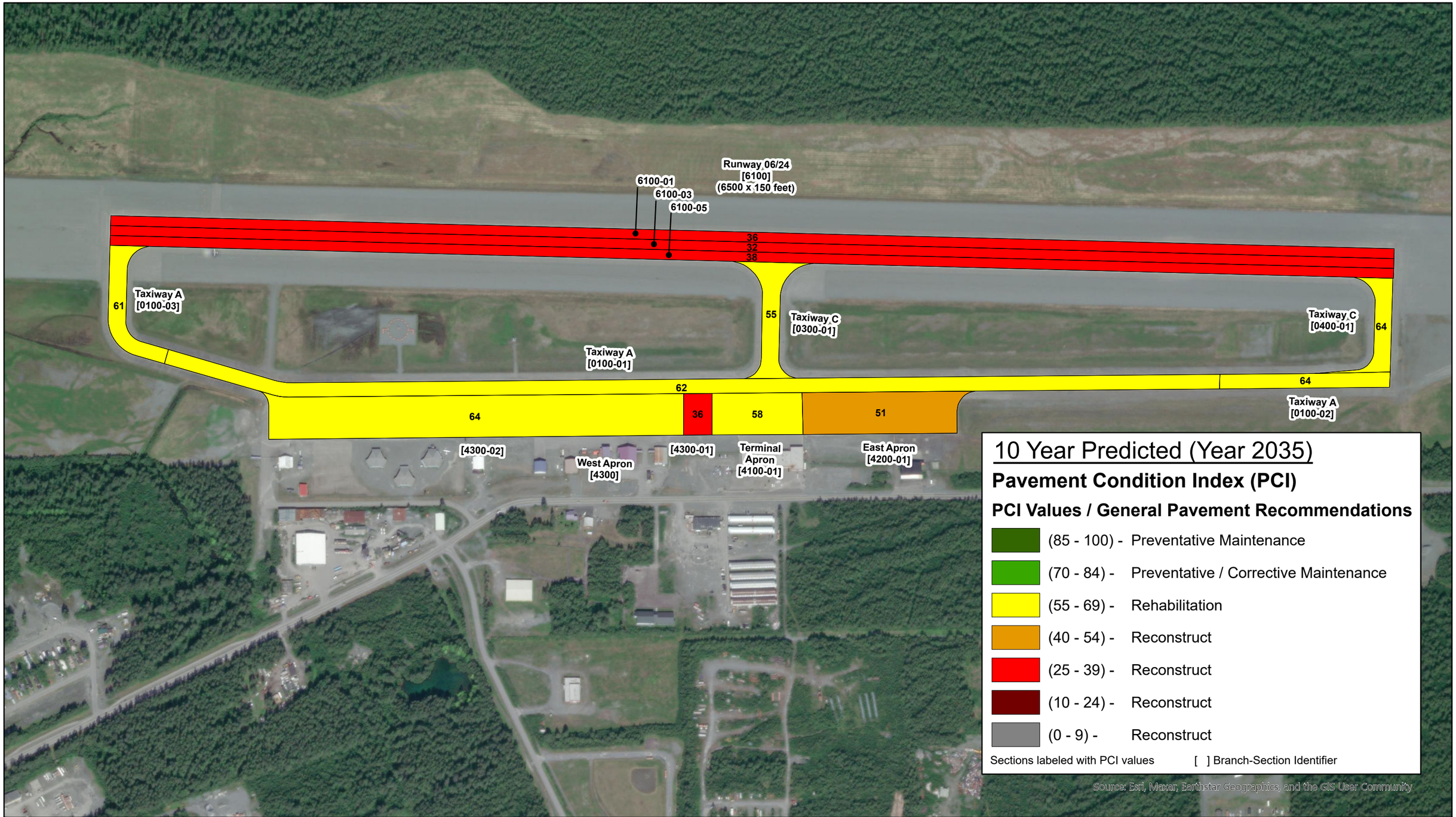
N W E S

2025 Pavement Inspection Results

0 250 500 1,000
Feet

Map Created by
State of Alaska DOT&PF

Map 3 of 6



Valdez Airport

Airport Code: PAVD

10 Year Predicted
Pavement Condition Index (PCI)

Target PCI Range for Runways: 70 to 100
Target PCI Range for Taxiways and Aprons: 60 to 100

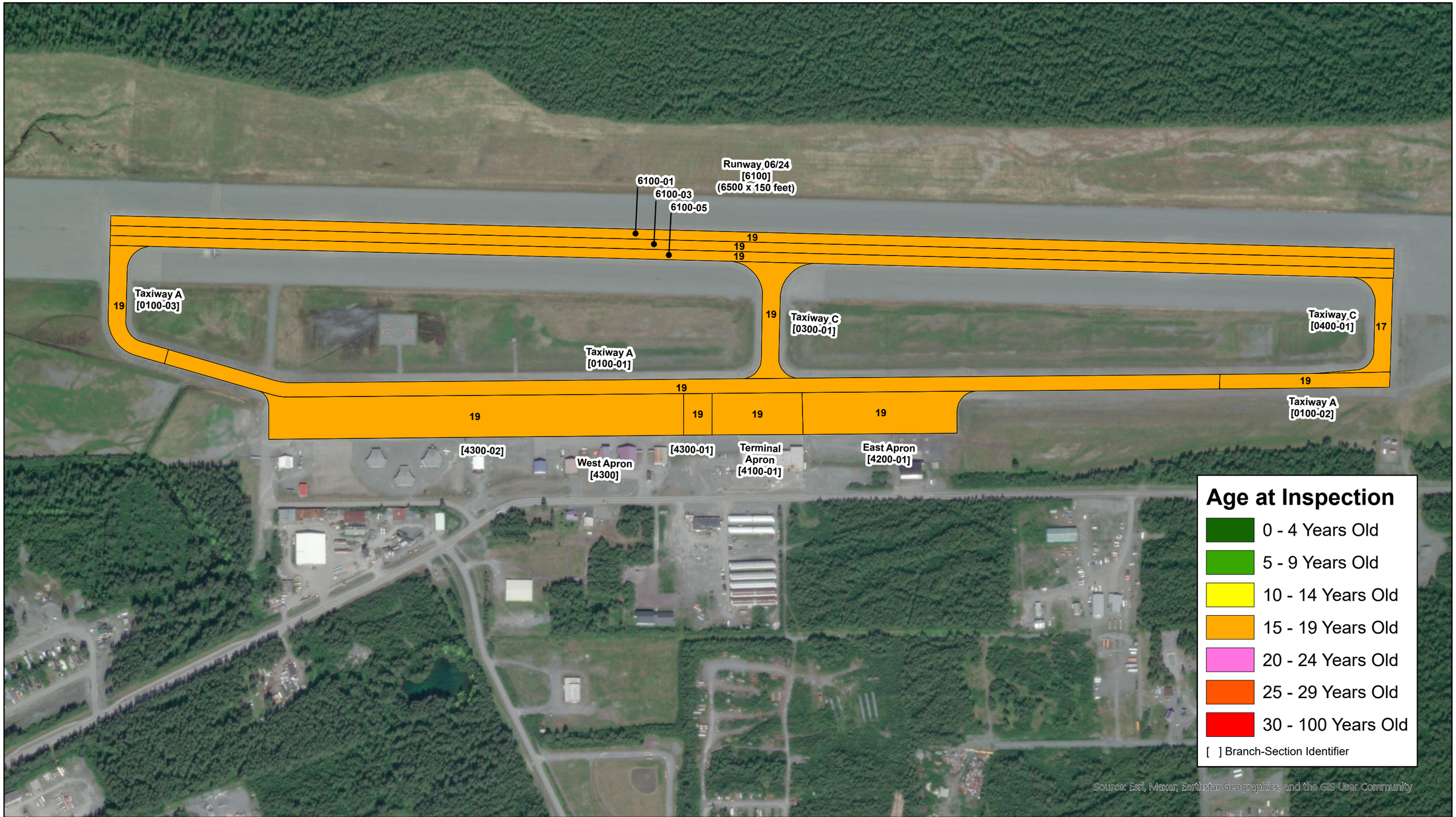
N W E S

2025 Pavement Inspection Results

0 250 500 1,000
Feet

Map Created by
State of Alaska DOT&PF

Map 4 of 6



Valdez Airport

Airport Code: PAVD

Pavement Age at Inspection

N
W
E
S

2025 Pavement Inspection Results

0 250 500 1,000

Feet

Map Created by
State of Alaska DOT&PF

Map 5 of 6

Valdez Airport

Airport Code: PAVD

Pavement Crack Seal Condition (CSC)

N W E S

2025 Pavement Inspection Results

0 250 500 1,000

Feet

Map Created by
State of Alaska DOT&PF

Map 6 of 6

AIRPORT PAVEMENT INSPECTION NOTES BY BRANCH

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
0100	Taxiway A	Taxiway	3	526,000	73

Taxiway A consists of three sections, being 100-01, 100-02, and 100-03. 100-01 was constructed in 1981 and resurfaced in 2006, while sections 100-02 and 100-03 were constructed in 2006. Common distresses are low to medium severity longitudinal and transverse cracking and low to medium severity weathering. Areas of low severity raveling are observed, and there are small, isolated areas of moderate severity raveling.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
0300	Taxiway C	Taxiway	1	70,075	68

Taxiway C was constructed in 1981 and resurfaced in 2006. Observed distresses are low to medium severity severity longitudinal and transverse cracking, low to medium severity weathering, and low severity raveling.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
0400	Taxiway D	Taxiway	1	48,820	76

Taxiway D was constructed in 2008. Common distresses are low severity longitudinal and transverse cracking and weathering. There are isolated areas of high severity raveling from snowplow damage and scattered areas of low severity raveling.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
4100	Terminal Apron	Parking Apron	1	96,600	69

The Terminal Apron was originally constructed in 1981 and was resurfaced in 2006. Commonly observed distresses are low to medium severity longitudinal and transverse cracking, low to medium severity weathering and low severity raveling. There are isolated areas of medium severity raveling.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
4200	East Apron	Parking Apron	1	168,160	66

The East Apron was constructed in 1974 and resurfaced in 2006. Observed distresses are low to medium severity longitudinal and transverse cracking, low severity weathering and low severity raveling. There are scattered areas of medium severity weathering and medium severity raveling across the apron.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
4300	West Apron	Parking Apron	2	475,950	75
4300-01 – PCI 60					

The West Apron consists of two sections. The first section, 4300-01, was constructed in 1981 and resurfaced in 2006. Observed distresses are low to medium severity longitudinal and transverse cracking, low to medium severity weathering and low severity raveling. There are scattered areas of medium severity raveling, with an area of high severity raveling and patching around the drain pictured above.

4300-02 – PCI 76	
	

The second section of the West Apron is 4300-02, which was constructed in 1976 and resurfaced in 2006. Observed distresses are low severity longitudinal and transverse cracking, low to medium severity weathering and low severity raveling. There are scattered areas of medium severity raveling from snowplow damage.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
6100	Runway 06-24	Runway	3	975,000	54

6100-01 (PCI 60)	
	

Runway 06-24 was constructed in 1981 and resurfaced in 2006. It is split into three sections, with 6100-01 being the left 50’ of the runway. The primary distresses in section 6100-01 are low to medium severity weathering, low to medium severity longitudinal and transverse cracking, low, medium and high severity raveling.

Section 6100-03 (PCI 45)

Runway 06-24 was constructed in 1981 and resurfaced in 2006. It is split into three sections, with 6100-03 the 50’ on centerline. This section has the most severe distresses of the three sections. The primary distresses in section 6100-03 are low to medium severity weathering, low, medium and high severity longitudinal and transverse cracking, low, medium and high severity raveling. There are also areas of areas of alligator cracking observed along this section of the runway, although most have been covered with crack seal.

Section 6100-05 (PCI 56)

Runway 06-24 was constructed in 1981 and resurfaced in 2006. It is split into three sections, with 6100-05 the right 50’. The primary distresses 6100-05 are low to medium severity weathering, low to medium severity longitudinal and transverse cracking, and low, medium and high severity raveling.

BRANCH CONDITION REPORT

Branch ID	No. of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (Sq Ft)	Use	Average PCI	Standard Deviation PCI	Weighted Average PCI
0100	3	6,760	80	526,000	TAXIWAY	73.07	1.67	72.52
0300	1	590	90	70,075	TAXIWAY	67.60	0.00	67.60
0400	1	475	90	48,820	TAXIWAY	76.20	0.00	76.20
4100	1	460	210	96,600	APRON	69.30	0.00	69.30
4200	1	780	210	168,160	APRON	65.70	0.00	65.70
4300	2	2,245	210	475,950	APRON	67.95	7.95	74.88
6100	3	19,500	50	975,000	RUNWAY	53.67	6.22	53.67

Note: the dimensions in the Branch Condition Report are derived from area calculations and may not reflect actual dimensions of individual sections. Refer to the maps for actual section dimensions.

BRANCH USE CONDITION REPORT

Use Category	No. of Sections	Total Area (Sq Ft)	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
APRON	5	525,892	69.40	4.27	72.07
RUNWAY	7	1,039,500	59.14	2.85	53.67
TAXIWAY	3	123,890	66.67	5.19	72.26
ALL	16	1,713,282	64.44	6.09	64.52

SECTION CONDITION REPORT

Branch ID	Section ID	Last Const. Date	Surf.	Use	Rank	True Area (Sq Ft)	Last Inspection Date	Age At Inspection	PCI
0100	0100-01	9/30/2006	AAC	TAXIWAY	S	397,500	9/8/2025	19	72
	0100-02	9/30/2006	AC	TAXIWAY	S	64,500	9/8/2025	19	75
	0100-03	9/30/2006	AC	TAXIWAY	S	64,000	9/8/2025	19	72
0300	0300-01	9/30/2006	AAC	TAXIWAY	S	70,075	9/8/2025	19	68
0400	0400-01	9/30/2006	AAC	TAXIWAY	S	48,820	9/8/2025	19	76
4100	4100-01	9/30/2006	AAC	APRON	S	96,600	9/8/2025	19	69
4200	4200-01	9/30/2006	AAC	APRON	T	168,160	9/8/2025	19	66
4300	4300-01	9/30/2006	AAC	APRON	T	30,450	9/8/2025	19	60
	4300-02	9/30/2006	AAC	APRON	T	445,500	9/8/2025	19	76
6100	6100-01	9/30/2006	AC	RUNWAY	S	325,000	9/8/2025	19	60
	6100-03	9/30/2006	AC	RUNWAY	S	325,000	9/8/2025	19	45
	6100-05	9/30/2006	AC	RUNWAY	S	325,000	9/8/2025	19	56

SECTION CONDITION REPORT (SUMMARY BY AGE CATEGORY)

Age Category	Average Age at Inspection	Total Area (Sq Ft)	Number of Sections	Arithmetic Average PCI	Standard Deviation PCI	Weighted Average PCI
16-20	19	2,360,605	12	66.24	9.04	64.52
ALL	19	2,360,605	12	66.24	9.04	64.52

Pavement Database: Valdez_InspectionSept10_2025

Network: Valdez Airport **Branch:** 0100 Taxiway A **Section:** 0100-01 **Surface:**AAC
L.C.D. 9/30/2006 **Use:** TAXIWAY **Rank:** S **Length:** 5,300.00 (Ft) **Width:** 75.00 (Ft) **True Area:** 397500 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AS	Overlay - AC Structural	0.00	1.50	☑	(Funded via AIP)
8/1/1981	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 0100 Taxiway A **Section:** 0100-02 **Surface:**AC
L.C.D. 9/30/2006 **Use:** TAXIWAY **Rank:** S **Length:** 860.00 (Ft) **Width:** 75.00 (Ft) **True Area:** 64500 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	NC-IN	New Construction - Initial	0.00	4.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 0100 Taxiway A **Section:** 0100-03 **Surface:**AC
L.C.D. 9/30/2006 **Use:** TAXIWAY **Rank:** S **Length:** 600.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 64000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	NC-IN	New Construction - Initial	0.00	4.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 0300 Taxiway C **Section:** 0300-01 **Surface:**AAC
L.C.D. 9/30/2006 **Use:** TAXIWAY **Rank:** S **Length:** 590.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 70075 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AS	Overlay - AC Structural	0.00	1.50	☑	(Funded via AIP)
8/1/1981	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 0400 Taxiway D **Section:** 0400-01 **Surface:**AAC
L.C.D. 9/30/2008 **Use:** TAXIWAY **Rank:** S **Length:** 475.00 (Ft) **Width:** 90.00 (Ft) **True Area:** 48820 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2008	NC-IN	New Construction - Initial	0.00	6.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 4100 Terminal Apron **Section:** 4100-01 **Surface:**AAC
L.C.D. 9/30/2006 **Use:** APRON **Rank:** S **Length:** 460.00 (Ft) **Width:** 210.00 (Ft) **True Area:** 96600 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AS	Overlay - AC Structural	0.00	1.50	☑	(Funded via AIP)
8/1/1981	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 4200 East Apron **Section:** 4200-01 **Surface:**AAC
L.C.D. 9/30/2006 **Use:** APRON **Rank:** T **Length:** 780.00 (Ft) **Width:** 210.00 (Ft) **True Area:** 168160 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AS	Overlay - AC Structural	0.00	1.50	☑	(Funded via AIP)
8/1/1974	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Pavement Database: Valdez_InspectionSept10_2025

Network: Valdez Airport **Branch:** 4300 West Apron **Section:** 4300-01 **Surface:** AAC

L.C.D. 9/30/2006 **Use:** APRON **Rank:** T **Length:** 145.00 (Ft) **Width:** 210.00 (Ft) **True Area:** 30450 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AS	Overlay - AC Structural	0.00	1.50	☑	(Funded via AIP)
8/1/1981	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 4300 West Apron **Section:** 4300-02 **Surface:** AAC

L.C.D. 9/30/2006 **Use:** APRON **Rank:** T **Length:** 2,100.00 (Ft) **Width:** 210.00 (Ft) **True Area:** 445500 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	OL-AT	Overlay - AC Thin	0.00	1.50	☑	(Funded via AIP)
7/1/1974	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 6100 06/24 **Section:** 6100-01 **Surface:** AC

L.C.D. 9/30/2006 **Use:** RUNWAY **Rank:** S **Length:** 6,500.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 325000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	(Funded via AIP)
8/1/1982	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 6100 06/24 **Section:** 6100-03 **Surface:** AC

L.C.D. 9/30/2006 **Use:** RUNWAY **Rank:** S **Length:** 6,500.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 325000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	(Funded via AIP)
8/1/1982	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Network: Valdez Airport **Branch:** 6100 06/24 **Section:** 6100-05 **Surface:** AC

L.C.D. 9/30/2006 **Use:** RUNWAY **Rank:** S **Length:** 6,500.00 (Ft) **Width:** 50.00 (Ft) **True Area:** 325000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/30/2006	CR-AC	Complete Reconstruction - AC	0.00	4.00	☑	(Funded via AIP)
8/1/1982	NC-IN	New Construction - Initial	0.00	0.00	☑	(Funded via AIP)

Summary:

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Complete Reconstruction - AC	3	975,000.00	4.00	0.00
New Construction - Initial	12	2,360,605.00	1.17	2.07
Overlay - AC Structural	5	762,785.00	1.50	0.00
Overlay - AC Thin	1	445,500.00	1.50	0.00

PHYSICAL PROPERTY DATA

Branch ID	Section ID	Pavement		Base		Subbase		Subgrade	
		Thick (in)	Type	Thick (in)	Type	Thick (in)	Type	Type	CBR
Taxiway A 0100	0100-01	6	P-401	6	P-209			GM	30
	0100-02	4	P-401	6	P-209	18	P-154	GM	30
	0100-03	4	P-401	6	P-209	12	P-154	GM	30
Taxiway C 0300	0300-01	6	P-401					GM	30
Taxiway D 0400	0400-01	4	P-401	6	P-209	12	P-154	GM	30
Terminal Apron 4100	4100-01	5	P-401					GM	30
East Apron 4200	4200-01	5	P-401					GM	30
West Apron 4300	4300-01	5	P-401					GM	30
	4300-02	3	P-401					GM	30
Runway 6-24 6100	6100-01	4	P-401	6	P-209	12*	P-154	GM	30
	6100-03	4	P-401	6	P-209	12*	P-154	GM	30
	6100-05	4	P-401	6	P-209	12*	P-154	GM	30

Note – blanks in base and subbase thickness are from unknown thickness or quality of material
* Subbase thickness greatly exceeds 12 inches in areas depending on fill thickness

AIRCRAFT FLEET MIX

No.	Aircraft	Gross Wt (lb)	% Gross Wt on Main Gear	Tire Pressure (psi)	Annual Departures	20 Yr Coverages
1	Cessna 208B Grand Caravan EX	8,750	95	75	4	32
2	S-10	10,450	95	52	12	101
3	D-20	20,000	95	65	238	2,619
4	Saab 340B	29,000	95	55	2	24
5	Q100/Dash 8 Series 100	34,700	94.4	131	1,362	16,278
6	Gulfstream-G-IV	75,000	95	185	2	24

PAVEMENT CLASSIFICATION RATINGS

Runway	Critical Aircraft	Max Allowable Wt (lb)	Subgrade Mr (psi)	Evaluation Thickness (in)	Pass to Traffic Cycle Ratio	PCR
06-24	Gulfstream-G-IV	187,000	22,500	22.0	1	407/F/A/X/T

PCR CALCULATION NOTES

- 1% traffic growth assumed
- Subgrade strength reduction for frost applied
- S-10 and D-20 refer to “generic” single gear and dual gear aircraft as modeled in FAARFIELD
- Individual aircraft fleet mix departures are based on traffic data received from Statewide Aviation in 2024.

REFERENCES

Year	Reference No.	Document Title
2007	76880 / 3-02-0311-xx	Valdez Pioneer Field Airport Improvements
2003	65911 / 3-02-0311-06	Valdez Pioneer Field Airport Improvements
2001		Valdez Airport Pavement Study, Geotechnical Report
1980		Valdez Materials Investigation