

# Alaska DOT&PF

Statewide Design and Engineering Services
Pavement Management and Preservation Office
5800 East Tudor Road, Anchorage AK 99507-1286

# Pavement Inspection Report **Talkeetna Airport**





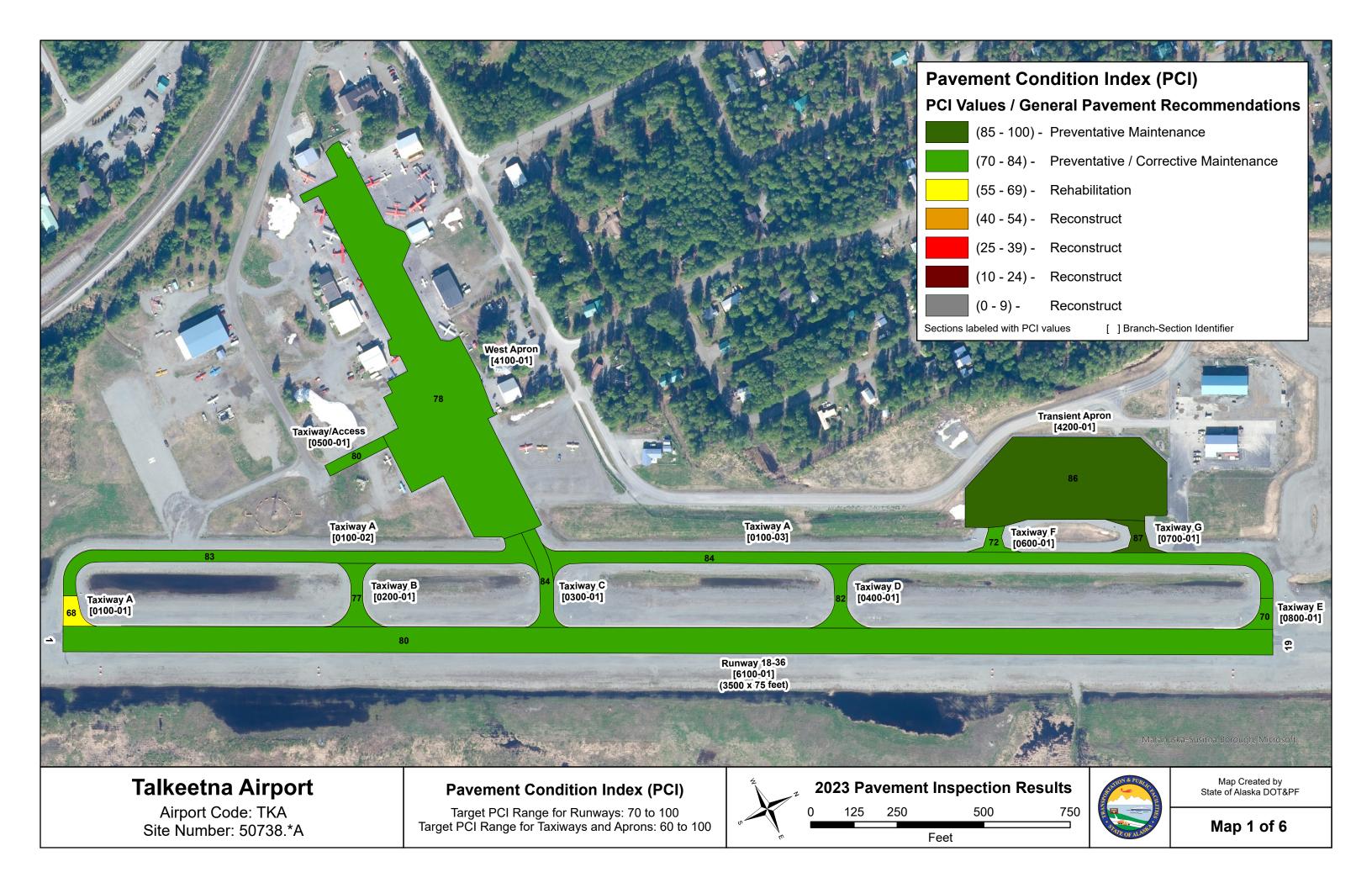
Airport Name	IATA	ICAO	Latitude	Longitude	Elevation (ft)
Talkeetna Airport	TKA	PATK	62° 19' 14" N	150° 05' 37" W	3,500

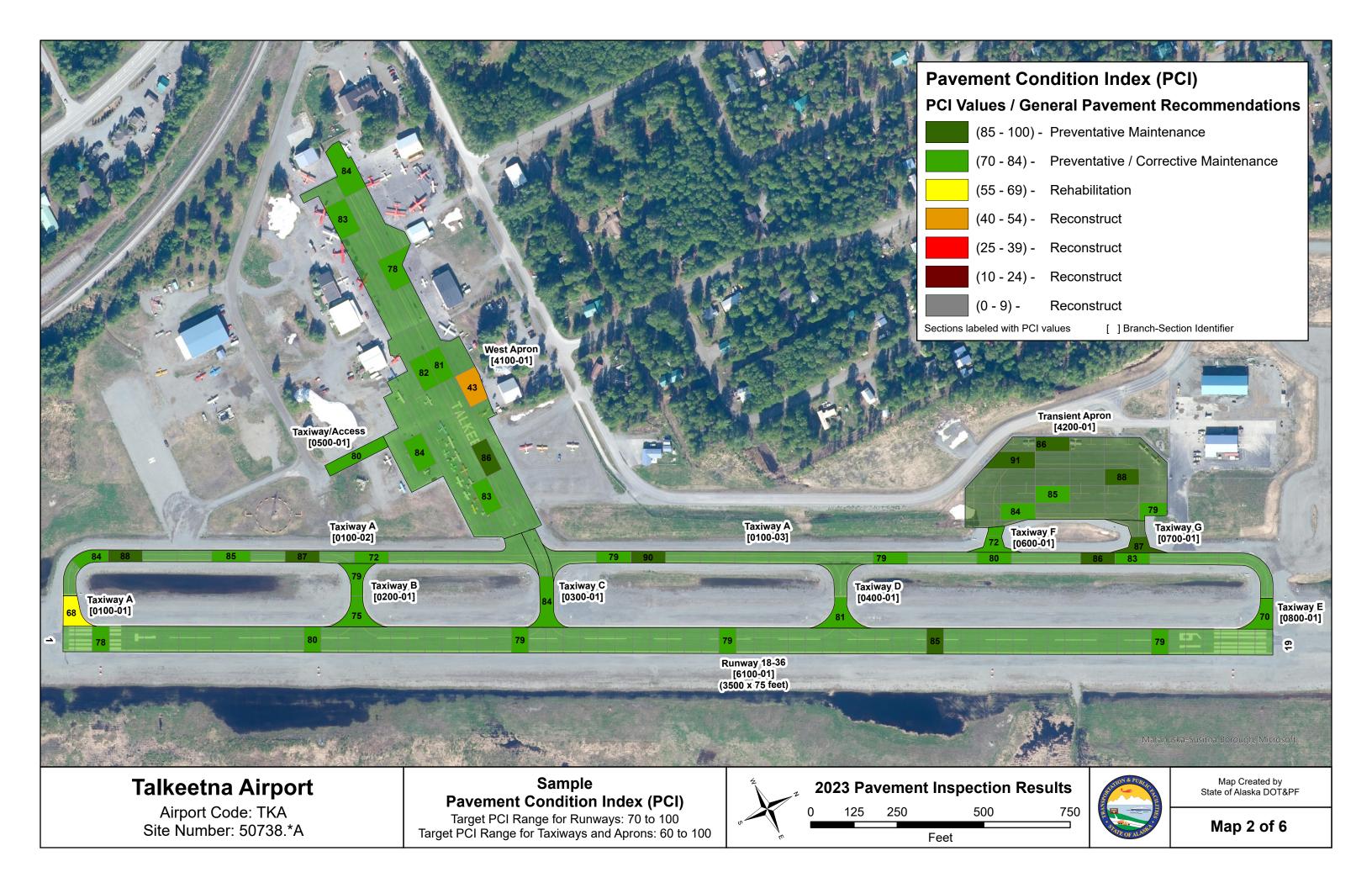
Please refer all questions or for further information about this report, please contact the AKDOT&PF Pavement Management and Preservation Office as follows:

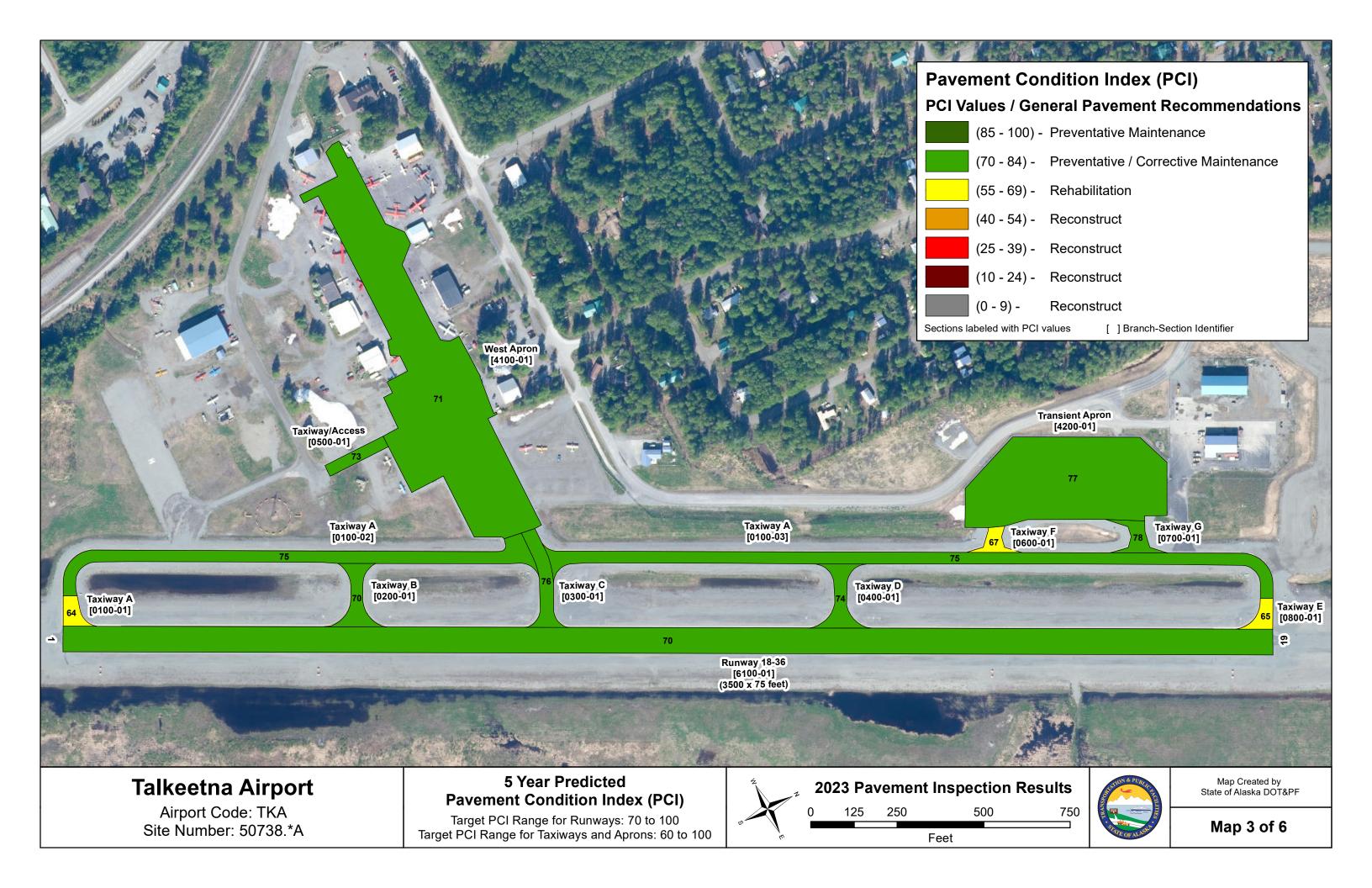
Point of Contact	Phone	Email	Date Inspected	Date Published
Mr. Andrew Pavey, Pavement Management Engineer	(907) 269 6213	andrew.pavey@alaska.gov	July 2023	September 2023

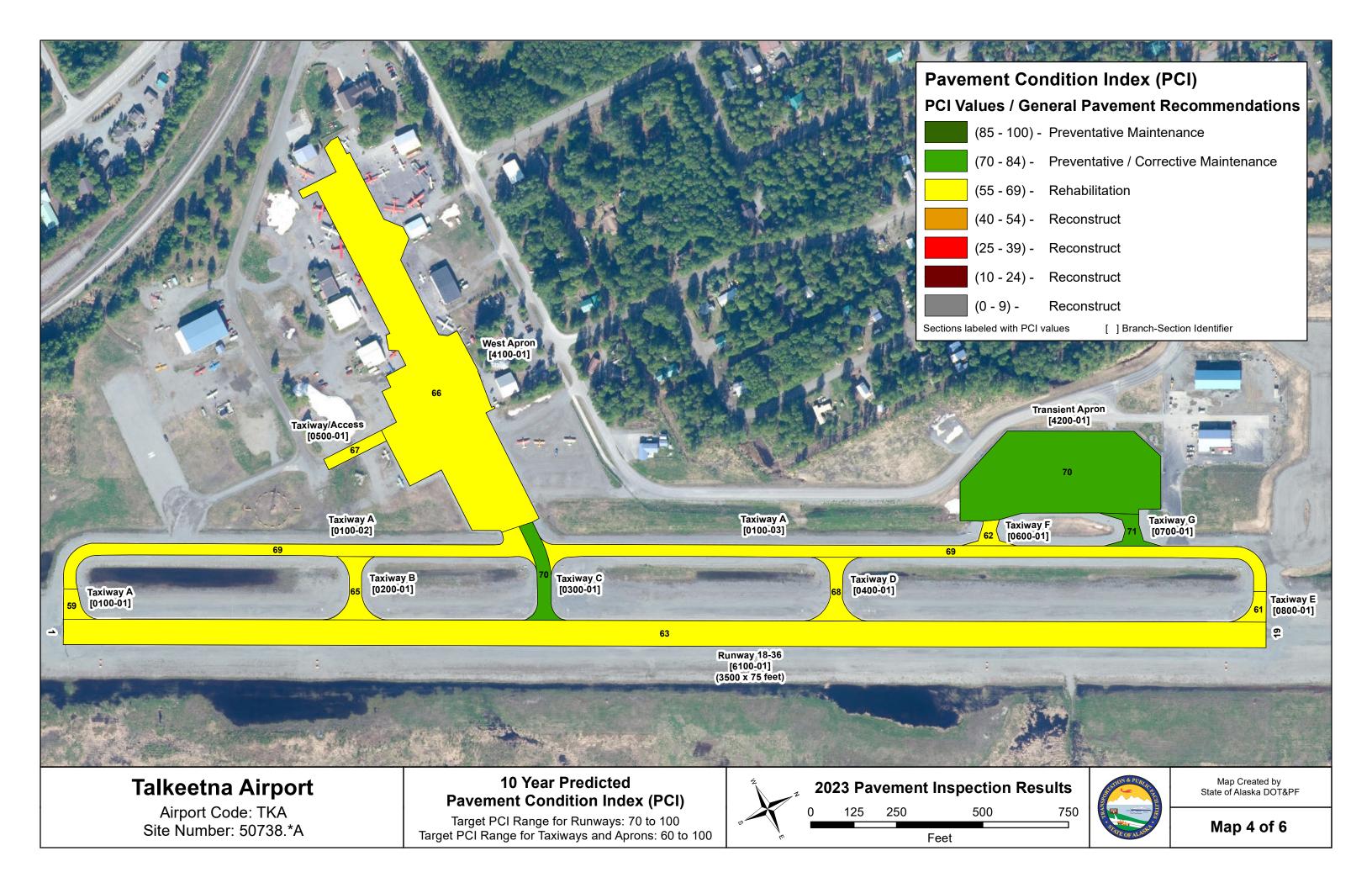
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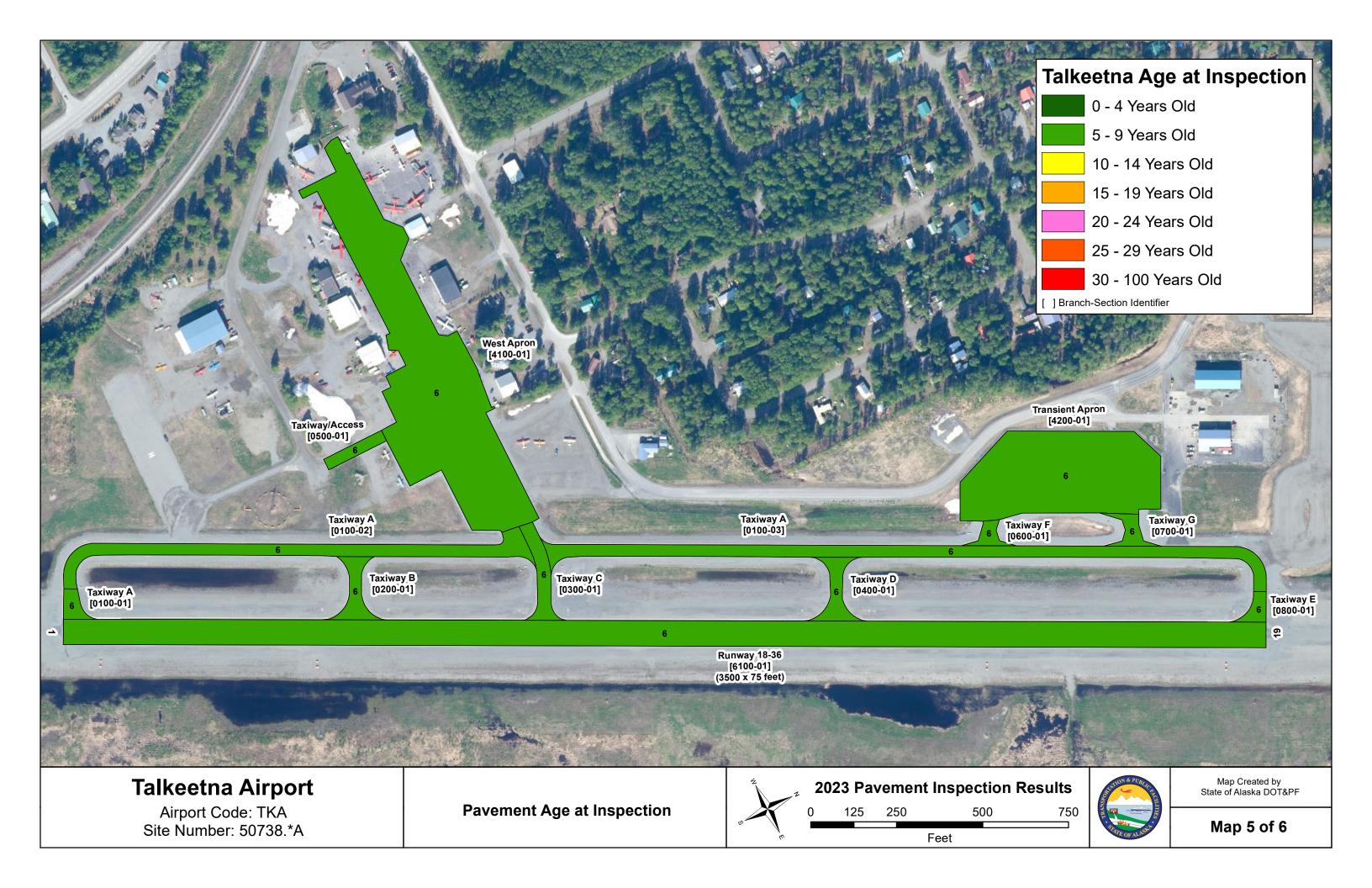
- Airport Maps
  - Pavement Condition Index (PCI)
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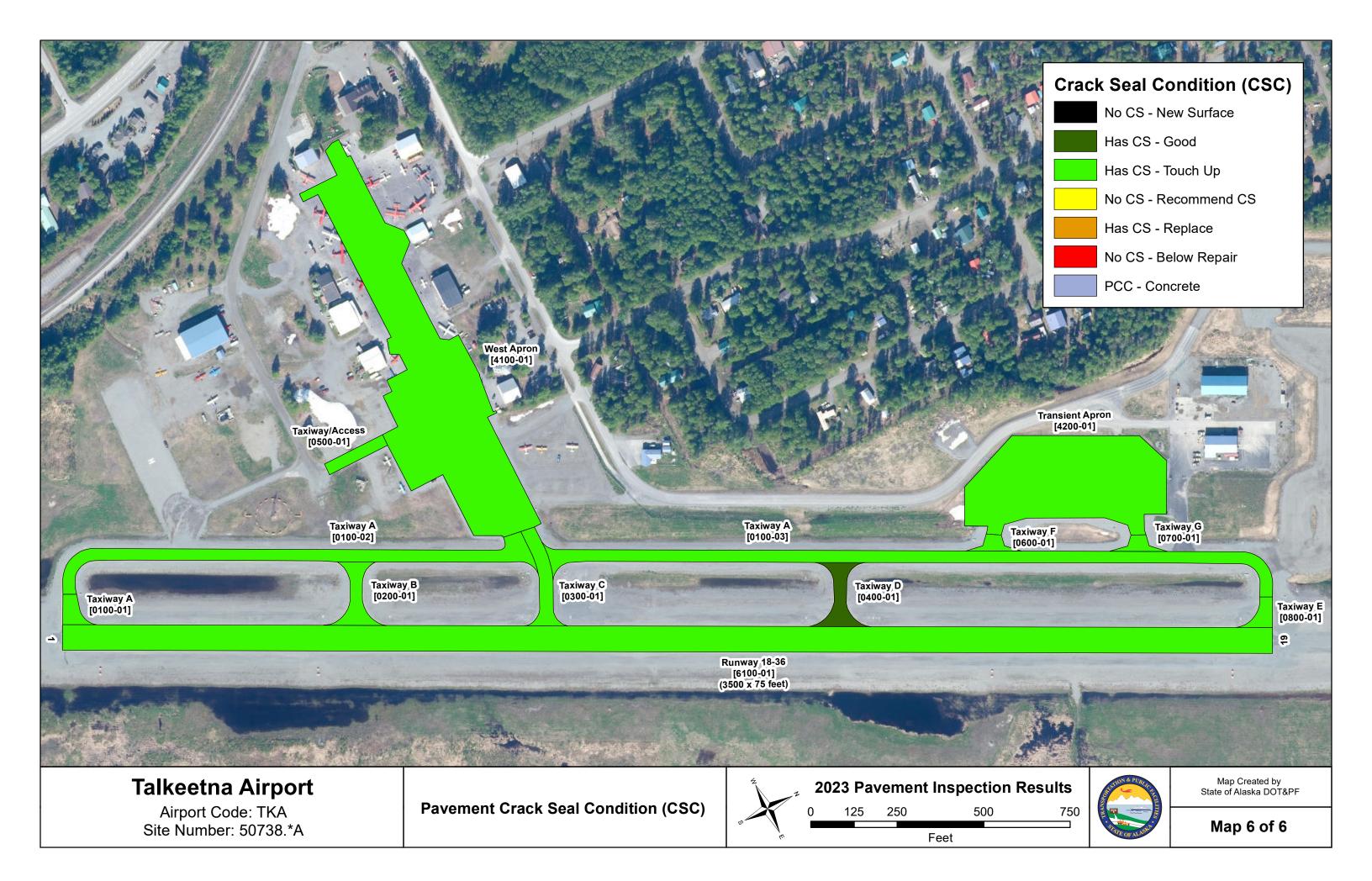












#### AIRPORT PAVEMENT INSPECTION NOTES BY BRANCH

Branch ID	Branch Name	Branch Use	No. of Sections Area (sf)		Weight Average PCI
0100	Taxiway A	Taxiway	3	131,802	83

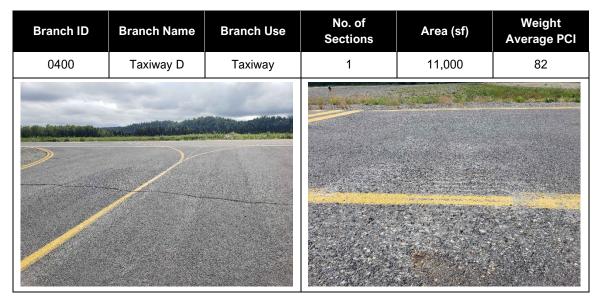
Taxiway A was originally constructed in 1997 and was resurfaced 2017. Common distresses on the taxiway are low to medium severity longitudinal and transverse cracking with isolated areas of high severity cracking on section 0100-01. Other distresses observed are low to medium severity weathering and low to medium severity raveling.



Taxiway B was constructed in 1997 and was resurfaced 2017. Observed distresses are low severity longitudinal and transverse cracking, low to medium severity raveling and low to medium severity weathering.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
0300	Taxiway C	Taxiway	1	12,777	84

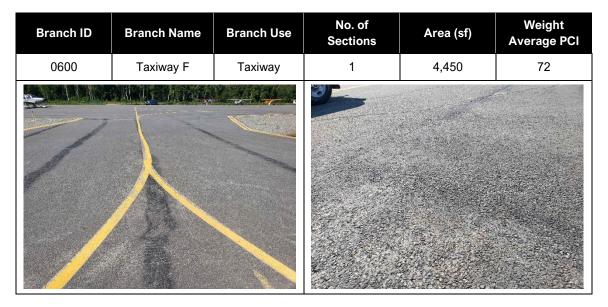
Taxiway C was constructed in 1988 and was resurfaced in 2017. Distresses are low severity raveling, low severity weathering and low severity longitudinal and transverse cracking.



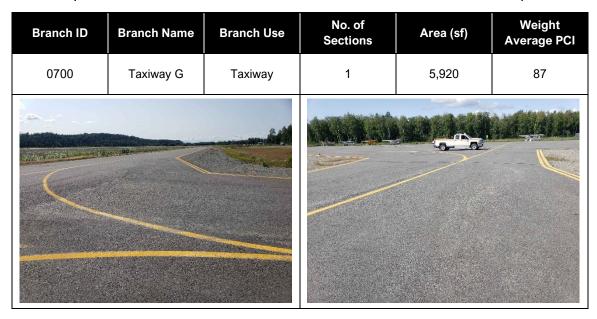
Taxiway D was constructed in 1997 and was resurfaced 2017. Common distresses are low to medium severity weathering, low to medium severity raveling and low severity longitudinal and transverse cracking. Medium severity raveling is from snowplow damage.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
0500	Taxiway/Access Taxiway		1 6,150		80

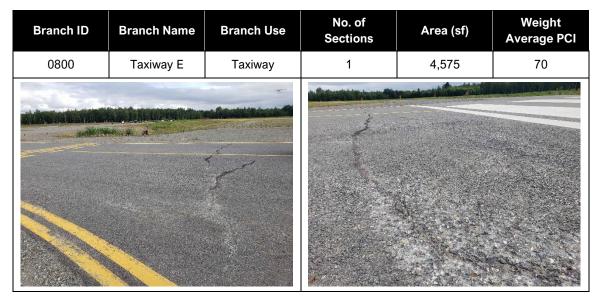
This taxiway connects the West Apron to an access road. It was constructed in 1986 and resurfaced in 2017. The distresses on the taxiway are low severity longitudinal and transverse cracking, low severity weathering and low severity raveling.



Taxiway F was constructed in 2017. The primary distresses are low to medium severity longitudinal and transverse cracking, low severity raveling, and low to medium severity weathering.



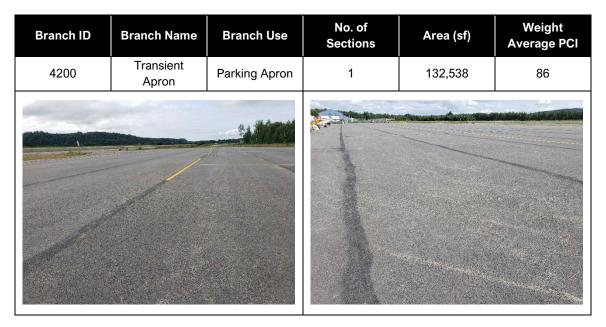
Taxiway G was constructed in 2017. Distresses are low severity longitudinal and transverse cracking, low severity weathering and low severity raveling.



This taxiway was constructed in 2017. Distresses are low to medium severity longitudinal and transverse cracking, low to high severity weathering, and low to medium severity raveling. The high severity weathering is isolated to a small area near the runway and the medium severity raveling is from snowplow damage around longitudinal and transverse cracking.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
4100	West Apron	Parking Apron	1	174,600	78

The West Apron was originally constructed in 1980 and was resurfaced in 2017. Commonly observed distresses are low severity longitudinal and transverse cracking, low to medium severity weathering and low severity raveling. There are two areas on the apron experiencing severe swelling that are being patched.



The Transient Apron was constructed in 2017. Observed distresses are low severity longitudinal and transverse cracking, low severity weathering and low severity raveling. Observations include an increase in quantity of new longitudinal and transverse cracking.

Branch ID	Branch Name	Branch Use	No. of Sections	Area (sf)	Weight Average PCI
6100	Runway 15-33	Runway	1	262,500	80

Runway 15-33 was constructed in 1980, paved in 1988 and resurfaced in 2017. Common distresses are low to medium severity longitudinal and transverse cracking, low severity weathering and low severity raveling. New, unsealed cracks are present on the runway and some sealed cracks have been damaged by snowplows. Most of the raveling and medium severity longitudinal and transverse cracking is from damage at cracks that heave during the winter and catch snowplows.

## **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	3,540	37	131,802	TAXIWAY	78.23	7.10	82.75
0200	1	185	35	10,936	TAXIWAY	77.00	0.00	77.00
0300	1	286	40	12,777	TAXIWAY	84.10	0.00	84.10
0400	1	185	35	11,000	TAXIWAY	81.90	0.00	81.90
0500	1	186	35	6,510	TAXIWAY	80.00	0.00	80.00
0600	1	75	50	4,450	TAXIWAY	72.40	0.00	72.40
0700	1	95	45	5,920	TAXIWAY	87.30	0.00	87.30
0800	1	90	35	4,575	TAXIWAY	70.10	0.00	70.10
4100	1	1,255	190	222,234	TAXIWAY	77.50	0.00	77.50
4200	1	585	240	132,538	TAXIWAY	85.50	0.00	85.50
6100	1	3,500	75	262,500	TAXIWAY	79.90	0.00	79.90

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	2	357,772	81.50	4.00	80.46
RUNWAY	1	262,500	79.90	0.00	79.90
TAXIWAY	10	187,970	78.75	6.19	81.95
ALL	13	808,242	79.26	5.74	80.63

## **SECTION CONDITION REPORT**

Branch ID	Section ID	Last Const. Date	Surf.	Use	Rank	True Area (Sq Ft)	Last Inspection Date	Age At Inspection	PCI
	0100-01	8/1/2017	AC	TAXIWAY	Р	4,766	7/31/2023	6	68.2
0100	0100-02	8/1/2017	AC	TAXIWAY	Р	52,002	7/31/2023	6	83
	0100-03	8/1/2017	AC	TAXIWAY	Р	75,034	7/31/2023	6	83.5
0200	0200-01	8/1/2017	AC	TAXIWAY	Р	10,936	7/31/2023	6	77
0300	0300-01	8/1/2017	AC	TAXIWAY	Р	12,777	7/31/2023	6	84.1
0400	0400-01	8/1/2017	AC	TAXIWAY	Р	11,000	7/31/2023	6	81.9
0500	0500-01	8/1/2017	AAC	TAXIWAY	Р	6,510	7/31/2023	6	80
0600	0600-01	8/1/2017	AC	TAXIWAY	Р	4,450	7/31/2023	6	72.4
0700	0700-01	8/1/2017	AC	TAXIWAY	Р	5,920	7/31/2023	6	87.3
0800	0800-01	8/1/2017	AC	TAXIWAY	Р	4,575	7/31/2023	6	70.1
4100	4100-01	8/1/2017	AC	APRON	Р	225,234	7/31/2023	6	77.5
4200	4200-01	8/1/2017	AC	APRON	Р	132,538	7/31/2023	6	85.5
6100	6100-01	8/1/2017	AC	RUNWAY	Р	262,500	7/31/2023	6	79.9

## 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
06-10	6	808,242	13	79.26	5.74	80.63
ALL	6	808,242	13	79.26	5.74	80.63

# **Work History Report**

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Pavement Database: StatewidePaverData\_9-14-23

Network:	Talkeetna	Airport Branch: 0100	Taxiw	av A	Section:	0100-01 Surface:AC
<b>L.C.D.</b> 8/1/2		1	ength: 90	.00 (Ft) <b>Wi</b> o	dth: 40.0	0 (Ft) <b>True Area:</b> 4766.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>~</b>	(Funded via AIP)
7/1/1988	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
Network: Talkeetna Airport Branch: 0100 Taxiway A Section: 0100-02 Surface: AC						
<b>L.C.D.</b> 8/1/2		se: TAXIWAY Rank: P L	ength: 1,350	· · ·		0 (Ft) <b>True Area:</b> 52002.00001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>~</b>	(Funded via AIP)
8/15/1997	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
N	T. 11	A	т :		G	0100.03
Network:		1	Taxiw	•	Section:	
L.C.D. 8/1/2	Work	se: TAXIWAY Rank: P L	ength: 2,100			0 (Ft) <b>True Area:</b> 75034.00002 (SqFt
Work Date	Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00		(Funded via AIP)
8/15/1997	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
Network: L.C.D. 8/1/2		•	Taxiwa Length: 185	•	Section: dth: 35.0	0200-01 <b>Surface:</b> AC 0 (Ft) <b>True Area:</b> 10936.00000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>V</b>	(Funded via AIP)
8/15/1997	NC-IN	New Construction - Initial	0.00	0.00		(Funded via AIP)
	-					
Network:	Talkeetna	Airport Branch: 0300	Taxiwa	ay C	Section:	0300-01 Surface:AC
<b>L.C.D.</b> 8/1/2	017 Us	se: TAXIWAY Rank: P L	ength: 286	.00 (Ft) Wie	dth: 40.0	0 (Ft) <b>True Area:</b> 12777.00000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>V</b>	(Funded via AIP)
7/1/1988	NC-IN	New Construction - Initial	0.00	0.00		(Funded via AIP)
Network:		ī	Taxiw	•	Section:	0400-01 Surface:AC
<b>L.C.D.</b> 8/1/2	017 Us	se: TAXIWAY Rank: P L	ength: 185	.00 (Ft) Wie		0 (Ft) <b>True Area:</b> 11000.00000 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>V</b>	(Funded via AIP)
8/15/1997	NC-IN	New Construction - Initial	0.00	0.00		(Funded via AIP)
Network:	Talkeetna	Airport <b>Branch:</b> 0500	Taxiwa	ay/Access	Section:	0500-01 Surface:AAC
<b>L.C.D.</b> 8/1/2	017 Us	se: TAXIWAY Rank: P I	ength: 186	.00 (Ft) Wie	dth: 35.0	0 (Ft) True Area: 6510.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
8/1/2017	OL_2	2 in overlay	0.00	2.00	<b>V</b>	(Funded via AIP)
9/1/2006	NC-IN	New Construction - Initial	0.00	0.00	<b>~</b>	(Funded via AIP)

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# **Work History Report**

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Pavement Database: StatewidePaverData\_9-14-23

Network: Talkeetna Airport Branch: 0600 Taxiway F Section: 0600-01 Surface: AC						
<b>L.C.D.</b> 9/10/2	2017 Us	se: TAXIWAY Rank: P	Length: 75	.00 (Ft) Wie	dth: 45.0	0 (Ft) <b>True Area:</b> 4480.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/10/2017	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
	ı					
Network: Talkeetna Airport Branch: 0700 Taxiway G Section: 0700-01 Surface: AC						0700-01 Surface:AC
<b>L.C.D.</b> 9/10/2	2017 Us	se: TAXIWAY Rank: P	ength: 95	.00 (Ft) Wie	dth: 45.0	0 (Ft) <b>True Area:</b> 6180.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/10/2017	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
Network:	Talkeetna .	Airport Branch: 0800	Taxiw	ay E	Section:	0800-01 Surface:AC
<b>L.C.D.</b> 9/18/	2017 Us	se: TAXIWAY Rank: P	Length: 90	.00 (Ft) Wie	dth: 35.0	0 (Ft) <b>True Area:</b> 4575.000001 (SqFt
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/18/2017	NC-IN	New Construction - Initial	0.00	0.00	<b>V</b>	(Funded via AIP)
		-				
Network: Talkeetna Airport Branch: 4100 West Apron Section: 4100-01 Surface: AC						
THEEWOLK:	i aikeetna .	Airport Branch: 4100	West A	Apron	Section:	4100-01 Surface:AC
L.C.D. 8/1/2		1	West A Length: 1,255	•		4100-01 <b>Surface:</b> AC 0 (Ft) <b>True Area:</b> 225234.0000 (SqFt
		1		•		
<b>L.C.D.</b> 8/1/2	017 Us Work	se: APRON Rank: P I	Length: 1,255	.00 (Ft) Wid	dth: 190.0 Major	0 (Ft) <b>True Area:</b> 225234.0000 (SqFt
L.C.D. 8/1/2 Work Date	017 Us Work Code	work Description	Cost	.00 (Ft) Wid Thickness (in)	dth: 190.0 Major M&R	0 (Ft) True Area: 225234.0000 (SqFt  Comments
<b>L.C.D.</b> 8/1/2 <b>Work Date</b> 8/1/2017	Work Code OL_2	See: APRON Rank: P I Work Description 2 in overlay	Cost 0.00	.00 (Ft) Wid Thickness (in)	Major M&R	0 (Ft) True Area: 225234.0000 (SqFt  Comments  (Funded via AIP)
<b>L.C.D.</b> 8/1/2 <b>Work Date</b> 8/1/2017	Work Code OL_2 NC-IN	Work Description  2 in overlay New Construction - Initial	Cost 0.00 0.00	.00 (Ft) Wid Thickness (in)	Major M&R	0 (Ft) True Area: 225234.0000 (SqFt  Comments  (Funded via AIP)  (Funded via AIP)
Work Date 8/1/2017 7/1/1988	Work Code OL_2 NC-IN	See: APRON Rank: P I  Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200	Cost 0.00 0.00 Transic	Thickness (in)  2.00 0.00 ent Apron	Major M&R	0 (Ft) True Area: 225234.0000 (SqFt  Comments  (Funded via AIP)  (Funded via AIP)
L.C.D. 8/1/2 Work Date 8/1/2017 7/1/1988  Network:	Work Code OL_2 NC-IN  Talkeetna 2017 Us  Work Code	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 se: APRON Rank: P I  Work Description	Cost 0.00 0.00 Transic	Thickness (in)  2.00 0.00 ent Apron	Major M&R	Comments (Funded via AIP) (Funded via AIP) (Funded via AIP)  4200-01 Surface:AC 0 (Ft) True Area: 128610.0000 (SqFt
Work Date 8/1/2017 7/1/1988  Network: L.C.D. 9/10/	Work Code OL_2 NC-IN  Talkeetna	See: APRON Rank: P I  Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 See: APRON Rank: P I	Cost 0.00 0.00 Transicength: 585	.00 (Ft) Wickness (in) 2.00 0.00 0.00 0.00 Cent Apron .00 (Ft) Wickness	Major M&R  Section: dth: 240.0	Comments (Funded via AIP) (Funded via AIP)  4200-01 Surface:AC 0 (Ft) True Area: 128610.0000 (SqFt
L.C.D. 8/1/2  Work Date 8/1/2017 7/1/1988  Network: L.C.D. 9/10/ Work Date	Work Code OL_2 NC-IN  Talkeetna 2017 Us  Work Code	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 se: APRON Rank: P I  Work Description	Cost 0.00 0.00  Transicength: 585  Cost	.00 (Ft)   Wickness (in)	Major M&R  Section: dth: 240.0  Major M&R	Comments (Funded via AIP) (Funded via AIP) (Funded via AIP)  4200-01 Surface:AC 0 (Ft) True Area: 128610.0000 (SqFt
L.C.D. 8/1/2  Work Date 8/1/2017 7/1/1988  Network: L.C.D. 9/10/ Work Date	Work Code OL_2 NC-IN  Talkeetna 2017 Us Work Code NC-IN	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 se: APRON Rank: P I  Work Description  New Construction - Initial	Cost 0.00 0.00  Transicength: 585  Cost	.00 (Ft)   Wickness (in)	Major M&R  Section:  dth: 240.0  Major M&R  V  Section:	Comments (Funded via AIP) (Funded via AIP)  4200-01 Surface:AC 0 (Ft) True Area: 128610.0000 (SqFt  Comments (Funded via AIP)
Work Date 8/1/2017 7/1/1988  Network: L.C.D. 9/10/ Work Date 9/10/2017	Work Code OL_2 NC-IN  Talkeetna 2017 Us Work Code NC-IN	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 se: APRON Rank: P I  Work Description  New Construction - Initial  Airport Branch: 6100	Cost 0.00 0.00  Transicength: 585  Cost 0.00	.00 (Ft)   Wickness (in)	Major M&R  Section:  dth: 240.0  Major M&R  V  Section:	Comments  (Funded via AIP)  (Funded via AIP)  4200-01  Surface:AC  0 (Ft) True Area: 128610.0000 (SqFt  Comments  (Funded via AIP)
L.C.D. 8/1/2  Work Date  8/1/2017  7/1/1988  Network:  L.C.D. 9/10/  Work Date  9/10/2017  Network:  L.C.D. 8/1/2  Work Date	Work Code OL_2 NC-IN  Talkeetna 2017 Us Work Code NC-IN  Talkeetna 017 Us Work Code	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 See: APRON Rank: P I  Work Description New Construction - Initial  Airport Branch: 6100 See: RUNWAY Rank: P I  Work Description	Cost 0.00 0.00 Transicength: 585 Cost 0.00 Cost Cost	.00 (Ft)   Wickness (in)	Section: dth: 75.0  Major M&R  Section: dth: 240.0  Major M&R  Major M&R  Major M&R	Comments (Funded via AIP) (Funded via AIP) (Funded via AIP)  4200-01 Surface: AC 0 (Ft) True Area: 128610.0000 (SqFt  Comments (Funded via AIP)  6100-01 Surface: AC 0 (Ft) True Area: 262500.0065 (SqFt  Comments
L.C.D. 8/1/2   Work Date   8/1/2017   7/1/1988     Network: L.C.D. 9/10/   Work Date   9/10/2017     Network: L.C.D. 8/1/2   Work Date   8/1/2017	Work Code OL_2 NC-IN  Talkeetna 2017 Us Work Code NC-IN  Talkeetna 017 Us Work Code OL_2	work Description 2 in overlay New Construction - Initial  Airport Branch: 4200 See: APRON Rank: P I  Work Description New Construction - Initial  Airport Branch: 6100 See: RUNWAY Rank: P I  Work Description 2 in overlay	Cost  Cost  0.00 0.00  Transicength: 585  Cost  0.00  18/36  cength: 3,500  Cost  0.00	Continue	Section: dth: 75.0  Major M&R  Section: dth: 240.0  Major M&R  Major M&R  Section: dth: 75.0  Major M&R	Comments  (Funded via AIP)  (Funded via AIP)  (Funded via AIP)  4200-01 Surface:AC  0 (Ft) True Area: 128610.0000 (SqFt  Comments  (Funded via AIP)  6100-01 Surface:AC  0 (Ft) True Area: 262500.0065 (SqFt  Comments  (Funded via AIP)
L.C.D. 8/1/2  Work Date  8/1/2017  7/1/1988  Network:  L.C.D. 9/10/  Work Date  9/10/2017  Network:  L.C.D. 8/1/2  Work Date	Work Code OL_2 NC-IN  Talkeetna 2017 Us Work Code NC-IN  Talkeetna 017 Us Work Code	Work Description  2 in overlay New Construction - Initial  Airport Branch: 4200 See: APRON Rank: P I  Work Description New Construction - Initial  Airport Branch: 6100 See: RUNWAY Rank: P I  Work Description	Cost 0.00 0.00 Transicength: 585 Cost 0.00 Cost Cost	.00 (Ft)   Wickness (in)	Section: dth: 75.0  Major M&R  Section: dth: 240.0  Major M&R  Major M&R  Major M&R	Comments (Funded via AIP) (Funded via AIP) (Funded via AIP)  4200-01 Surface: AC 0 (Ft) True Area: 128610.0000 (SqFt  Comments (Funded via AIP)  6100-01 Surface: AC 0 (Ft) True Area: 262500.0065 (SqFt  Comments

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# 9/26/2023 Work History Report

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Pavement Database: StatewidePaverData\_9-14-23

## **Summary:**

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
2 in overlay	9	660,759.01	2.00	0.00
New Construction - Initial	13	804,604.01	0.00	0.00

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## PHYSICAL PROPERTY DATA

	Section	Section Pavement		Ва	Base Sub			ıbbase Subç	
Branch ID	ID	Thick (in)	Type	Thick (in)	Туре	Thick (in)	Type	Type	CBR
	0100-01	2	P-401	8	P-209	36"	P-154	GW-GM	15
Taxiway A 0100	0100-02	2	P-401	8	P-209	36"	P-154	GW-GM	15
0100	0100-03	2	P-401	8	P-209	36"	P-154	GW-GM	15
Taxiway B 0200	0200-01	2	P-401	8	P-209	36"	P-154	GW-GM	15
Taxiway C 0300	0300-01	2	P-401	8	P-209			GW-GM	15
Taxiway D 0400	0400-01	2	P-401	8	P-209	36"	P-154	GW-GM	15
TW Access 0500	0500-01	2	P-401	6	P-209			GW-GM	15
Taxiway F 0600	0600-01	2	P-401	6	P-209	36"	P-154	GW-GM	15
Taxiway G 0700	0700-01	2	P-401	6	P-209	36"	P-154	GW-GM	15
Taxiway E 0800	0800-01	2	P-401	8	P-209	36"	P-154	GW-GM	15
West Apron	4100-01	2	P-401	6	P-209	20"	P-154	GW-GM	15
4100-01	4100-02	2	P-401	6	P-209	20"	P-154	GW-GM	15
East Apron 4200	4200-01	2	P-401	6	P-209	36"	P-154	GW-GM	15
Runway 6- 24 6100	6100-01	2	P-401	8	P-209			GW-GM	15

Note – blanks in subbase thickness are from unknown thickness or quality of material.

### **AIRCRAFT FLEET MIX**

No.	Aircraft	Gross Wt (lb)	% Gross Wt on Main Gear	Tire Pressure (psi)	Annual Departures	20 Yr Coverages
1	Beechcraft Bonanza F33A	3,412	95	40	5,900	26,298
2	Cessna 206 Stationair	3,612	95	52	5,900	25,458
3	Cessna 208B Grand Caravan EX	8,750	95	75	8,800	41,624
4	S-10	10,000	95	50	2	10
5	Beechcraft King Air B200	12,590	95	98	5,900	43,517
6	Q100/Dash 8 Series 100	34,700	94.4	131	2	18

## **PAVEMENT CLASSIFICATION RATINGS**

Runway	Critical Aircraft	Max Allowable Wt (lb)	Subgrade Mr (psi)	Evaluation Thickness (in)	Pass to Traffic Cycle Ratio	PCR
15-33	Cessna 208B Grand Caravan	37,715	22,500	10	1.0	87/F/A/X/T

### **PCR CALCULATION NOTES**

- 1% traffic growth assumed
- Subgrade strength reduction for frost applied
- S-10 refers to "generic" single gear aircraft as modeled in FAARFIELD
- Individual aircraft fleet mix departures are assumed based on total aircraft operations reported by Talkeetna flight surface station in 2022

## **REFERENCES**

Year	Reference No.	Document Title
2016	CFAPT00087 / 3-02-0287- 004-2015	Talkeetna Airport & Pavement Rehabilitation As-Built
2005	54660	Supplemental Geology Data Report Talkeetna Airport Improvements
1996	60045 / 3-02-0287-03	Talkeetna Airport Improvements As-Built
1986	56229 / 3-02-0287-01	Talkeetna Airport Paving As-Builts
1986	54172	Talkeetna Airport Paving Soils Report
1980	5-02-0287-01	Talkeetna Airport Runway Taxiway & Apron Improvements