

SUNRIVER AIRPORT

This report describes how your Pavement Maintenance Management Program (PMMP) was developed. Your Program was developed as part of the Oregon Continuous Aviation System Plan sponsored in part by the Oregon Department of Aviation and the Federal Aviation Administration (FAA). The information and data contained in this report ensures you are in compliance with the requirements of FAA Grant Assurance Number 11 which states that any airport requesting federal funds for pavement improvement projects must have implemented a pavement maintenance management program.

DATA COLLECTION

To determine how your pavements were constructed and their age, a records review was conducted. Figure SU-1 shows the records review results. This figure identifies pavement boundaries, dimensions, pavement layer types, thicknesses and dates of construction. The most recent construction date for each pavement can also be found in the Section Condition Report in Appendix 2. Figure SU-1 and the information contained in Appendices 1, 2 and 4 ensure that your airport complies with the “pavement inventory” requirement of FAA’s PMMP guidelines.

The pavements at your airport were divided into branches, sections and sample units in accordance with the methodology outlined in the current edition of ASTM D5430, *Standard Test Method for Airport Condition Index Surveys*. The branches, sections and sample units established at your airport are shown in Figure SU-2. A Branch Condition Report showing all branches, their associated areas, and their area-weighted average condition is provided in Appendix 1. Additionally, the Appendix 2 Section Condition Report provides information used to define each branch and section in the Micro PAVER database.

Using the branch, section and sample unit divisions established, a visual condition survey was conducted at Sunriver Airport in August 2014. During the inspection, pavement defects were identified and measured in accordance with the methodology outlined in ASTM D5430. This inspection ensures your airport complies with the “detailed inspection” requirement of FAA’s PMMP guidelines. After collection, the data were entered into the Micro PAVER software for analysis. These data are reproduced in the Re-Inspection Report attached as Appendix 4.

The Micro PAVER database updated during this project ensures your airport complies with the “record keeping and information retrieval” requirements of FAA’s PMMP guidelines.

Figure SU-1. Airport Layout, Dimensions and Pavement Cross-Sections.
Sunriver Airport

Drawing Date: August 2014

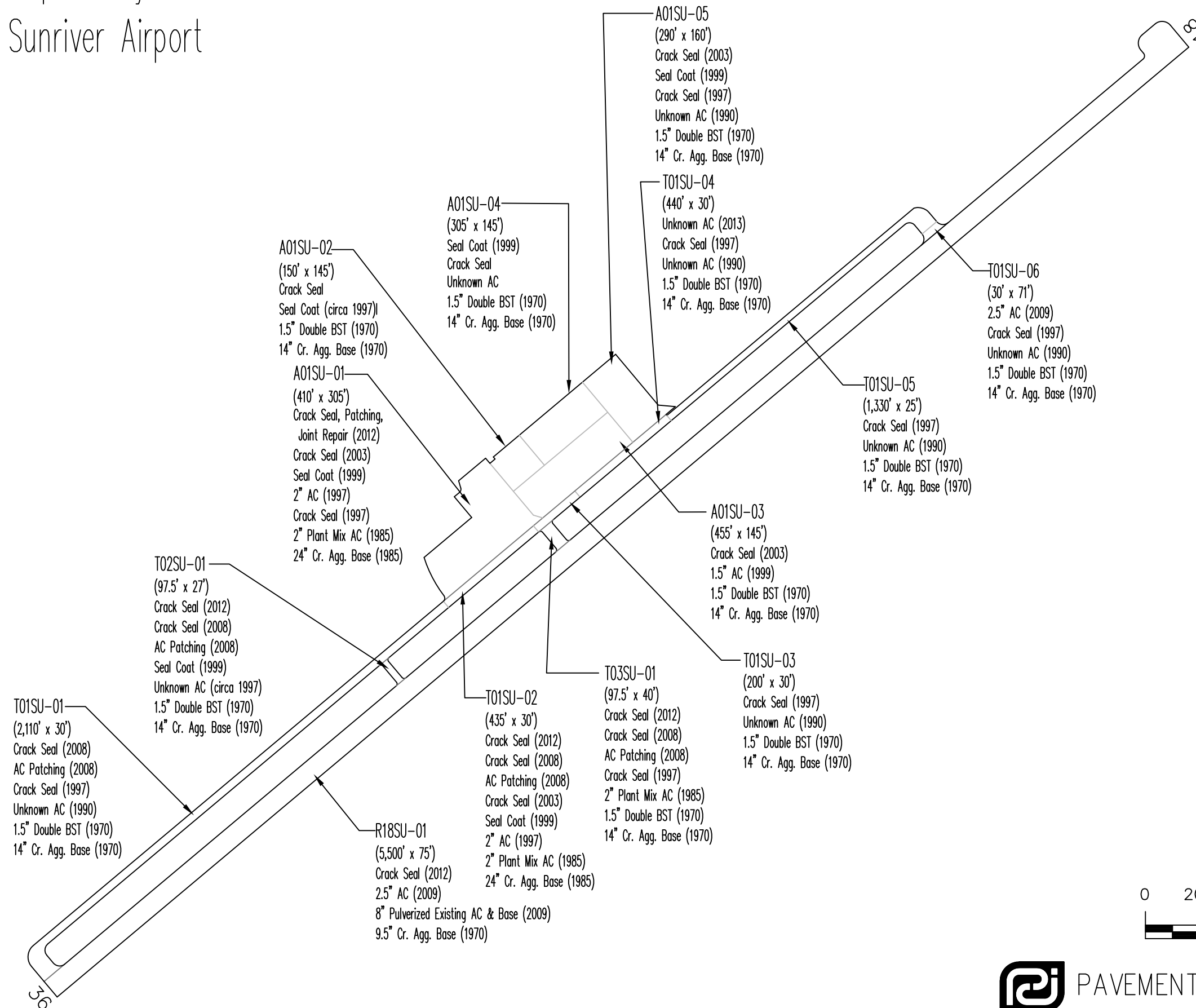
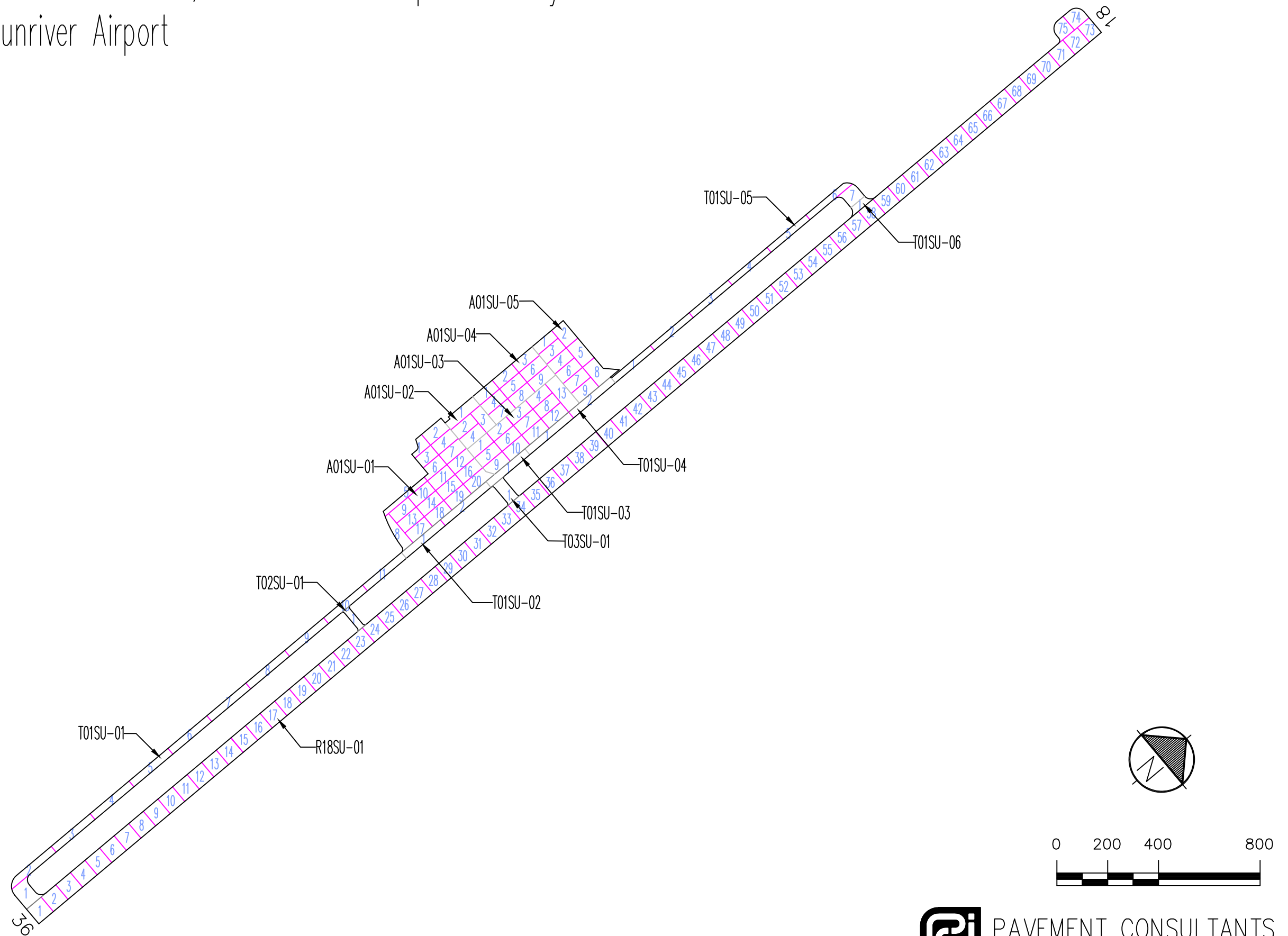


Figure SU-2. Pavement Branch, Section and Sample Unit Layout.
Sunriver Airport

Drawing Date: August 2014



RESULTS

Using the data collected during the visual inspection, the Micro PAVER software was used to calculate an area-weighted average Pavement Condition Index (PCI) for each pavement section inspected using the sample units evaluated. Using each section's PCI, a Pavement Condition Rating (PCR) was assigned. The PCIs measured during this inspection are shown in Table 1. The table also contains PCIs from past inspections as well as projected PCIs for 2019 and 2024. The projections were based on pavement deterioration models developed by Micro PAVER using the inspection data from other pavements in the same airport category as your airport, located in the same climatic region, and with the same surface type and use.

The Branch Condition Report in Appendix 1 summarizes current pavement condition by branch while the Section Condition Report in Appendix 2 lists pavement condition by section. The current PCR is shown graphically in Figure SU-3.

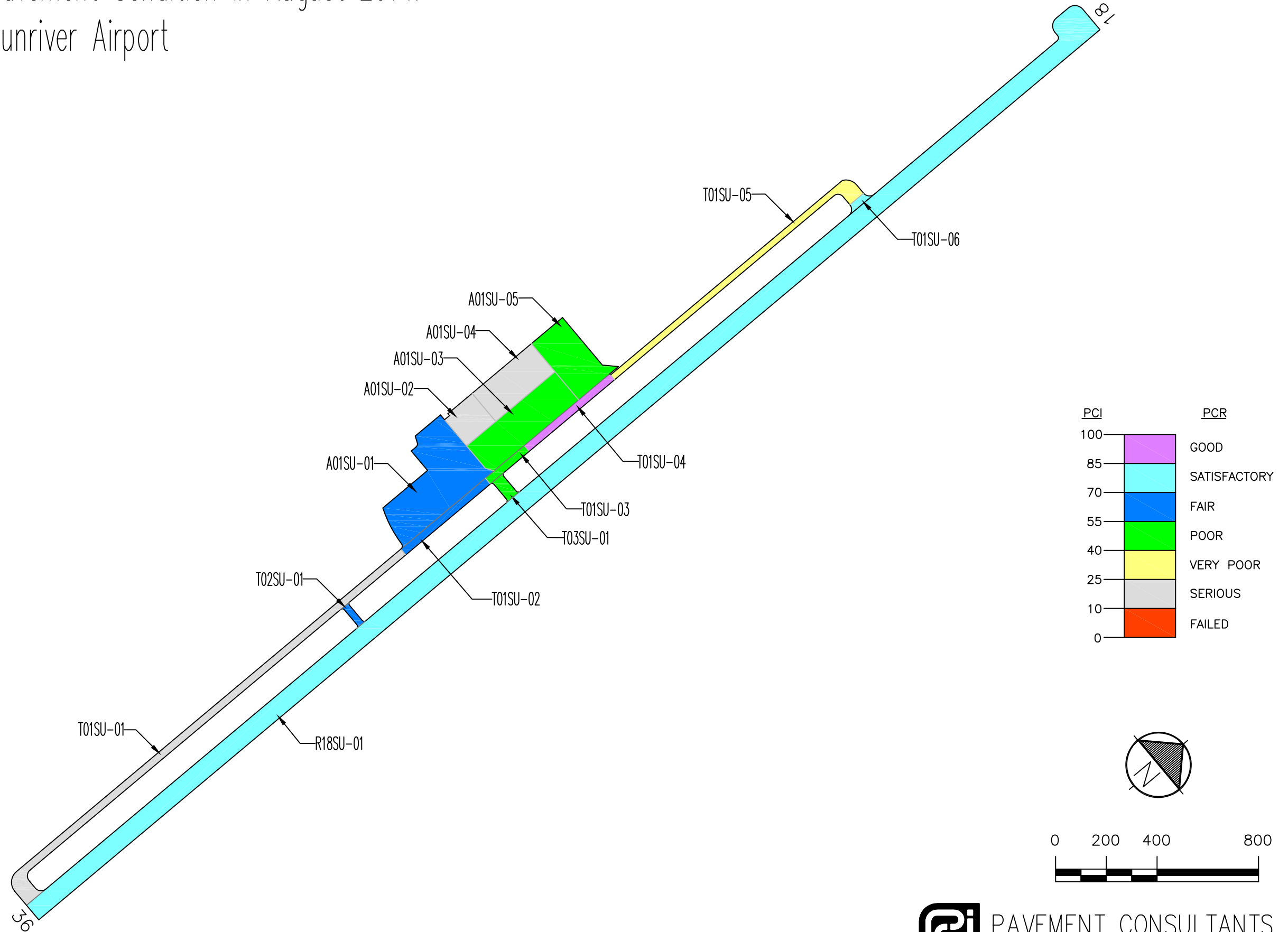
Table 1. Past, Present and Future Pavement Condition Indices.

Branch	Section	Inspections			Forecast	
		2006	2011	2014	2019	2024
A01SU	01	86	57	66	56	42
A01SU	02	28	22	11	0	0
A01SU	03	79	37	45	39	31
A01SU	04	28	3	12	5	0
A01SU	05	73	37	45	39	31
R18SU	01	65	97	83	73	66
T01SU	01	62	45	22	15	14
T01SU	02	90	60	56	51	49
T01SU	03	55	49	42	25	15
T01SU	04	---	100	100	79	64
T01SU	05	43	28	35	35	35
T01SU	06	---	100	83	67	57
T02SU	01	87	85	69	58	52
T03SU	01	71	77	53	50	49

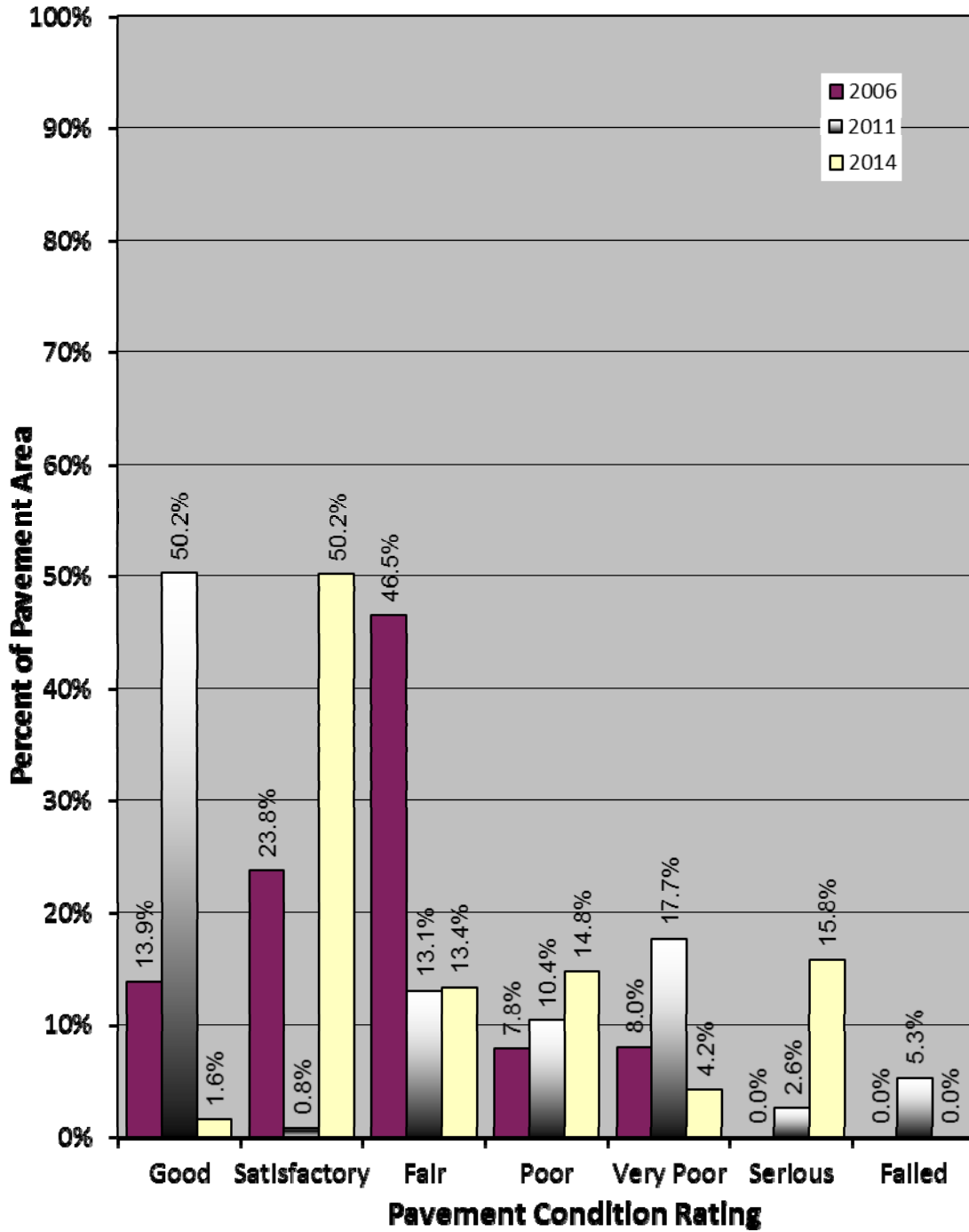
Section PCIs at Sunriver Airport range from a low of 12 (a PCR of "Serious") to a high of 100 (a PCR of "Good"). The area-weighted average PCI for all airport pavements is 63, corresponding to an overall PCR of "Fair". Figure SU-4 shows how much pavement area is associated with each Pavement Condition Rating category and also shows pavement condition distribution from the inspections conducted in 2006 and 2011.

Figure SU-3. Pavement Condition in August 2014.
Sunriver Airport

Drawing Date: August 2014



**Figure SU-4. Distribution of Pavement Condition
Sunriver Airport**



The primary distresses observed during the inspection were: weathering, longitudinal and transverse cracking, alligator cracking, block cracking, and patching with an isolated occurrence of rutting.

A graphical representation of the projected PCIs listed in Table 1 is shown in Figure SU-5.

RECOMMENDATIONS

Data collected during the visual condition survey were used by the Micro PAVER software to generate the Network Maintenance Report contained in Appendix 3. This report identifies, for each pavement section, the recommended localized maintenance activities (i.e.-crack sealing, patching) that should be completed to repair the defects observed during the visual inspection. The repair quantities identified in the report were extrapolated to cover the entire pavement section, based on the distresses measured in the inspected sample units. If the repair activities identified are completed, the pavement deterioration rate will be slowed.

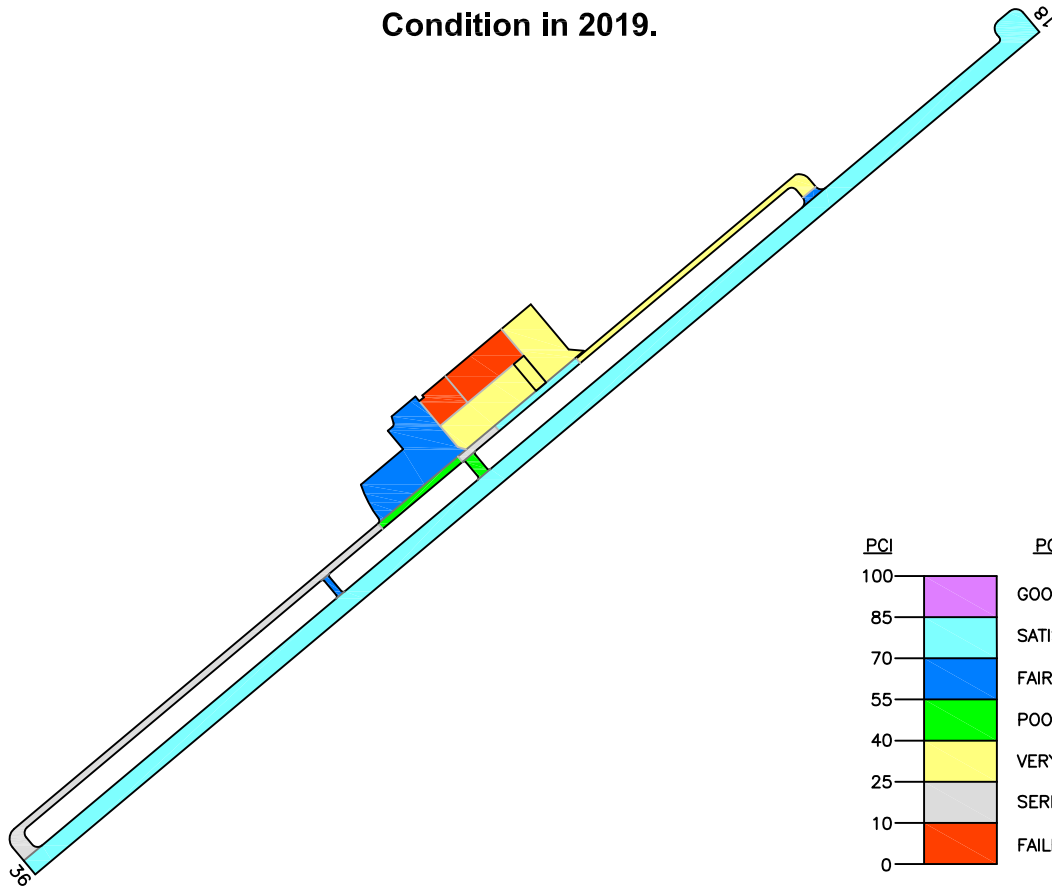
The recommended localized maintenance activities to be applied are selected by the Micro PAVER software based on a Distress Maintenance Policy established for the Oregon airport system. The report results indicate that, over your entire airport, the following quantities of localized maintenance are needed:

- 37,976 linear feet of asphalt concrete crack sealing
- 15,178 linear feet of asphalt concrete wide crack repair
- 33,053 square feet of deep (full-depth) asphalt concrete patching
- 22,113 square feet of shallow asphalt concrete patching

The Micro PAVER software can also identify and schedule recommended global (applied over an entire section) maintenance activities such as fog seals, slurry seals and other surface treatments, as well as major rehabilitation activities such as asphalt concrete overlays and complete reconstruction. Micro PAVER schedules global maintenance on a user-defined interval. To schedule major rehabilitation Micro PAVER uses pavement deterioration models developed during this project. These models are used to estimate future pavement condition and to schedule rehabilitation based on a trigger PCI.

During this project a 5-year program outlining recommended global maintenance and rehabilitation was developed. The program begins in the year 2015 to allow time for project development. These recommendations are presented in Table 2, which identifies the pavement section requiring rehabilitation, the year the action should be completed, the type of action, and an associated cost. This information is also presented graphically in Figure SU-6.

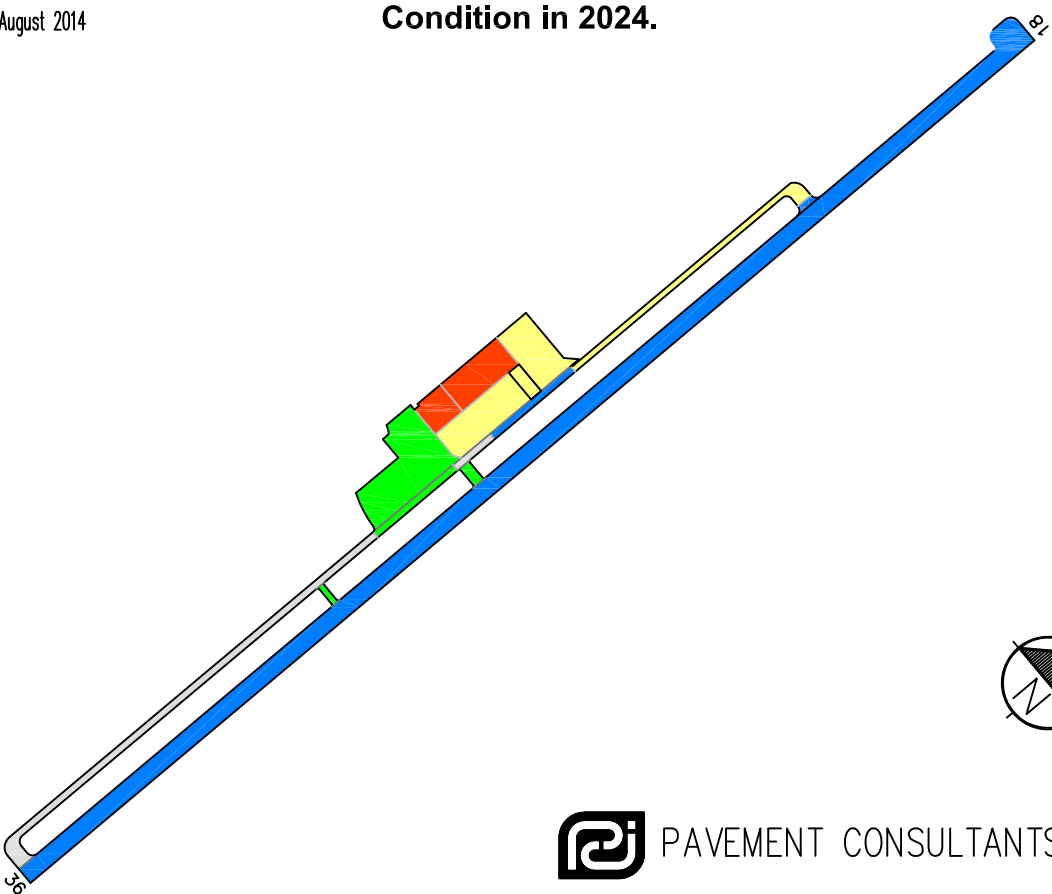
Condition in 2019.



PCI	PCR
100	GOOD
85	SATISFACTORY
70	FAIR
55	POOR
40	VERY POOR
25	SERIOUS
10	FAILED
0	

Drawing Date: August 2014

Condition in 2024.



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Figure SU-5. Future Pavement Condition.

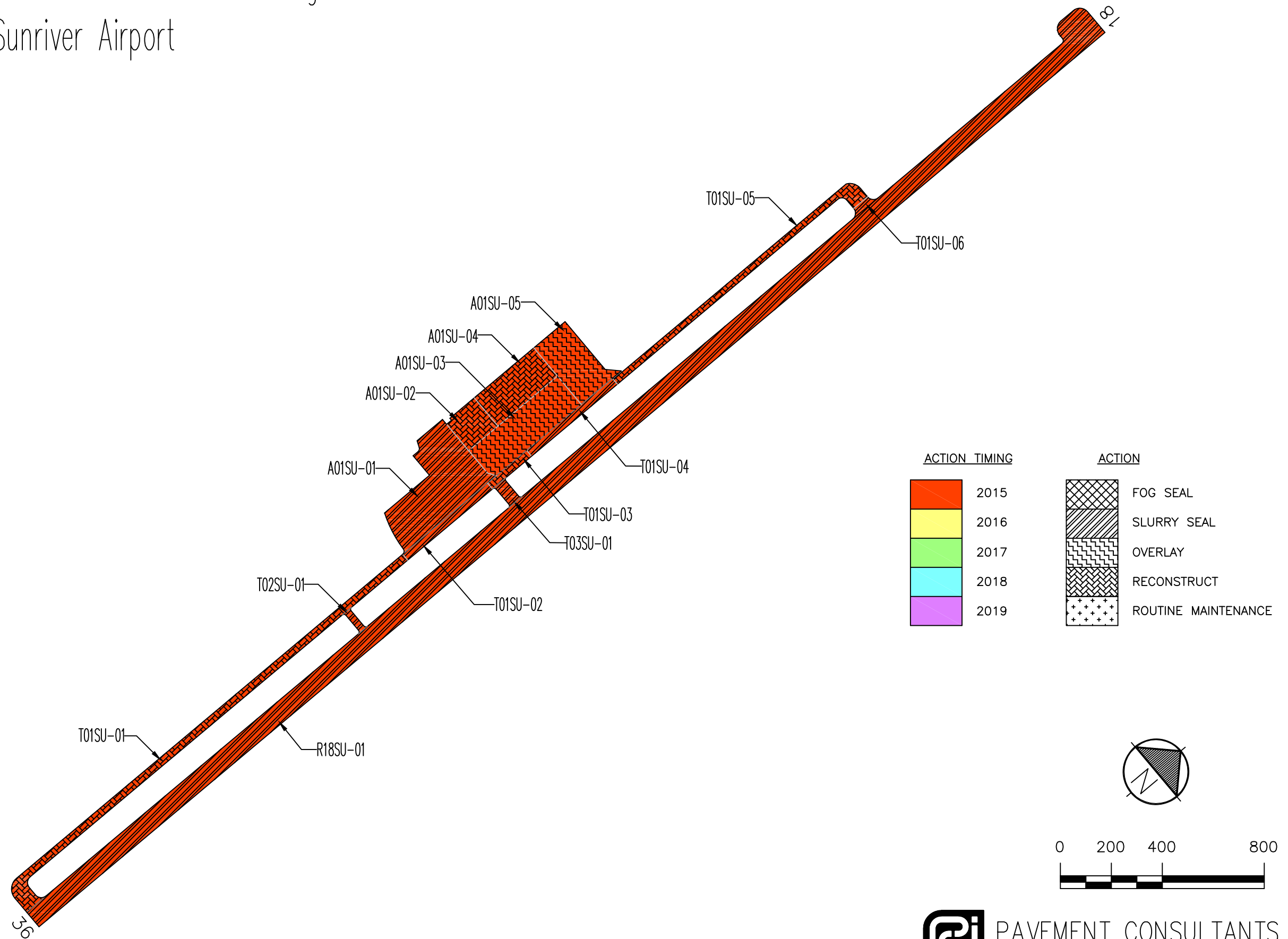
Table 2. Five-Year Global Maintenance and Rehabilitation Plan.

Year	Branch	Section	Action	Area (sf)	Unit Cost (\$/sf)	Total Cost (\$)
2015	A01SU	1	Slurry Seal	96,764	\$0.20	\$19,353
2015	A01SU	2	Reconstruct with 2.5" AC / 8" Crushed Aggregate Base / 9.5" Subbase	21,500	\$9.55	\$205,325
2015	A01SU	3	2" AC Overlay	65,675	\$2.50	\$164,188
2015	A01SU	4	Reconstruct with 2.5" AC / 8" Crushed Aggregate Base / 9.5" Subbase	44,225	\$9.55	\$422,349
2015	A01SU	5	2" AC Overlay	47,413	\$2.50	\$118,533
2015	R18SU	1	Slurry Seal	419,012	\$0.20	\$83,802
2015	T01SU	1	Reconstruct with 2.5" AC / 8" Crushed Aggregate Base / 9.5" Subbase	67,743	\$9.55	\$646,946
2015	T01SU	2	Slurry Seal	13,034	\$0.20	\$2,607
2015	T01SU	3	Reconstruct with 2.5" AC / 8" Crushed Aggregate Base / 9.5" Subbase	6,000	\$9.55	\$57,300
2015	T01SU	4	Slurry Seal	13,200	\$0.20	\$2,640
2015	T01SU	5	Reconstruct with 2.5" AC / 8" Crushed Aggregate Base / 9.5" Subbase	35,091	\$9.55	\$335,119
2015	T01SU	6	Slurry Seal	2,516	\$0.20	\$503
2015	T02SU	1	Slurry Seal	2,718	\$0.20	\$544
2015	T03SU	1	Slurry Seal	4,960	\$0.20	\$992
					2015 Total	\$2,060,199
					TOTAL	\$2,060,199

If the global maintenance and/or rehabilitation activities recommended in Table 2 are not completed, the localized maintenance activities identified in the Network Maintenance Report (Appendix 3) for that section should be done. Additionally, for those sections not listed in Table 2 as requiring global maintenance or rehabilitation, the localized maintenance activities outlined in the Network Maintenance Report should be completed. By completing the localized maintenance activities, pavement condition is improved, life is extended, deterioration is slowed and the length of time until major repair or rehabilitation is required is increased.

Figure SU-6. Five-Year Pavement Management Plan.
Sunriver Airport

Drawing Date: August 2014



INSPECTION SCHEDULE

To comply with the inspection schedule requirement of FAA Grant Assurance Number 11, a detailed visual inspection should be conducted every 3 years using the methodology described in ASTM D5430. The next scheduled detailed visual inspection should take place in 2017.

In addition, the FAA requires that a drive-by inspection be conducted monthly to detect unforeseen changes in pavement condition. The results of each drive-by inspection should be recorded and kept in a file. At a minimum, the date of the inspection and an indication of any maintenance performed since the last drive-by inspection should be recorded.

Appendix 1
Branch Condition Report

Date: 9 /16/2014

Branch Condition Report

1 of 2

Pavement Database: ODA2014 NetworkID: Sunriver

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
A01SU (Apron 01 Sunriver)	5	1,610.00	180.00	275,576.51	APRON	35.80	21.27	44.43
R18SU (Runway 18/36 Sunriver)	1	5,460.00	75.00	419,012.00	RUNWAY	83.00	0.00	83.00
T01SU (Taxiway 01 Sunriver)	6	4,575.00	36.00	137,584.00	TAXIWAY	56.33	27.26	38.01
T02SU (Taxiway 02 Sunriver)	1	97.50	27.00	2,718.00	TAXIWAY	69.00	0.00	69.00
T03SU (Taxiway 03 Sunriver)	1	97.50	50.00	4,960.00	TAXIWAY	53.00	0.00	53.00

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	5	275,576.51	35.80	21.27	44.43
RUNWAY	1	419,012.00	83.00	0.00	83.00
TAXIWAY	8	145,262.00	57.50	24.03	39.10
All	14	839,850.51	51.57	25.90	62.75

Appendix 2
Section Condition Report

Date: 9 /16/2014

Section Condition Report

1 of 2

Pavement Database: ODA2014 NetworkID: Sunriver

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
A01SU (Apron 01 Sunriver)	01	09/01/1997	AAC	APRON	P	0	96,764.00	08/05/2014	17	66.00
A01SU (Apron 01 Sunriver)	02	09/02/1970	ST	APRON	P	0	21,500.00	08/05/2014	44	11.00
A01SU (Apron 01 Sunriver)	03	09/01/1999	AC	APRON	P	0	65,675.00	08/05/2014	15	45.00
A01SU (Apron 01 Sunriver)	04	09/01/1982	AC	APRON	P	0	44,225.00	08/05/2014	32	12.00
A01SU (Apron 01 Sunriver)	05	09/01/1990	AC	APRON	P	0	47,412.50	08/05/2014	24	45.00
R18SU (Runway 18/36 Sunriver)	01	09/02/2009	AC	RUNWAY	P	0	419,012.00	08/05/2014	5	83.00
T01SU (Taxiway 01 Sunriver)	01	09/01/1990	AC	TAXIWAY	P	0	67,743.00	08/05/2014	24	22.00
T01SU (Taxiway 01 Sunriver)	02	09/01/1997	AAC	TAXIWAY	P	0	13,034.00	08/05/2014	17	56.00
T01SU (Taxiway 01 Sunriver)	03	09/01/1990	AC	TAXIWAY	P	0	6,000.00	08/05/2014	24	42.00
T01SU (Taxiway 01 Sunriver)	04	09/01/1990	AAC	TAXIWAY	P	0	13,200.00	08/05/2014	24	100.00
T01SU (Taxiway 01 Sunriver)	05	09/01/1990	AAC	TAXIWAY	P	0	35,091.00	08/05/2014	24	35.00
T01SU (Taxiway 01 Sunriver)	06	09/01/2009	AAC	TAXIWAY	P	0	2,516.00	08/05/2014	5	83.00
T02SU (Taxiway 02 Sunriver)	01	09/01/1997	AAC	TAXIWAY	P	0	2,718.00	08/05/2014	17	69.00
T03SU (Taxiway 03 Sunriver)	01	09/01/1985	AAC	TAXIWAY	P	0	4,960.00	08/05/2014	29	53.00

Section Condition Report*Pavement Database: ODA2014*

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
03-05	5.00	421,528.00	2	83.00	0.00	83.00
11-15	15.00	65,675.00	1	45.00	0.00	45.00
16-20	17.00	112,516.00	3	63.67	5.56	64.91
21-25	24.00	169,446.50	5	48.80	26.80	37.91
26-30	29.00	4,960.00	1	53.00	0.00	53.00
31-35	32.00	44,225.00	1	12.00	0.00	12.00
over 40	44.00	21,500.00	1	11.00	0.00	11.00
All	21.50	839,850.51	14	51.57	25.90	62.75

Appendix 3
Network Maintenance Report

Network Maintenance Report 2014
Sunriver Airport

Network	Branch	Section	Distress	Severity	Action	Maint. Quantity	Unit	Unit Cost	Work Cost	Section Total Cost
Sunriver	A01SU	1	BLOCK CR	M	Crack Sealing - AC	1,095	Ft	\$1.20	\$1,314	\$8,169
Sunriver	A01SU	1	L & T CR	M	Crack Sealing - AC	2,137	Ft	\$1.20	\$2,564	
Sunriver	A01SU	1	ALLIGATOR CR	M	Patching - AC Deep	215	SqFt	\$20.00	\$4,291	
Sunriver	A01SU	2	ALLIGATOR CR	M	Patching - AC Deep	22,094	SqFt	\$20.00	\$441,883	\$441,883
Sunriver	A01SU	3	L & T CR	H	Crack Seal - Wide Cracks	352	Ft	\$25.00	\$8,804	\$47,043
Sunriver	A01SU	3	L & T CR	M	Crack Sealing - AC	7,869	Ft	\$1.20	\$9,443	
Sunriver	A01SU	3	ALLIGATOR CR	M	Patching - AC Deep	1,440	SqFt	\$20.00	\$28,797	
Sunriver	A01SU	4	BLOCK CR	H	Crack Seal - Wide Cracks	13,480	Ft	\$25.00	\$336,995	\$779,245
Sunriver	A01SU	4	WEATHERING	H	Patching - AC Shallow	22,113	SqFt	\$20.00	\$442,250	
Sunriver	A01SU	5	L & T CR	M	Crack Sealing - AC	1,043	Ft	\$1.20	\$1,252	\$17,679
Sunriver	A01SU	5	BLOCK CR	M	Crack Sealing - AC	9,538	Ft	\$1.20	\$11,445	
Sunriver	A01SU	5	ALLIGATOR CR	M	Patching - AC Deep	249	SqFt	\$20.00	\$4,982	
Sunriver	R18SU	1	L & T CR	M	Crack Sealing - AC	4,479	Ft	\$1.20	\$5,375	\$5,375
Sunriver	T01SU	1	L & T CR	H	Crack Seal - Wide Cracks	579	Ft	\$25.00	\$14,466	\$177,951
Sunriver	T01SU	1	L & T CR	M	Crack Sealing - AC	3,297	Ft	\$1.20	\$3,956	
Sunriver	T01SU	1	ALLIGATOR CR	M	Patching - AC Deep	7,977	SqFt	\$20.00	\$159,529	
Sunriver	T01SU	2	L & T CR	M	Crack Sealing - AC	127	Ft	\$1.20	\$152	\$5,563
Sunriver	T01SU	2	BLOCK CR	M	Crack Sealing - AC	160	Ft	\$1.20	\$192	
Sunriver	T01SU	2	ALLIGATOR CR	M	Patching - AC Deep	261	SqFt	\$20.00	\$5,218	
Sunriver	T01SU	3	L & T CR	H	Crack Seal - Wide Cracks	768	Ft	\$25.00	\$19,195	\$34,108
Sunriver	T01SU	3	ALLIGATOR CR	M	Patching - AC Deep	746	SqFt	\$20.00	\$14,913	
Sunriver	T01SU	5	BLOCK CR	M	Crack Sealing - AC	8,022	Ft	\$1.20	\$9,626	\$9,626
Sunriver	T01SU	6	L & T CR	M	Crack Sealing - AC	30	Ft	\$1.20	\$36	\$36
Sunriver	T02SU	1	ALLIGATOR CR	M	Patching - AC Deep	42	SqFt	\$20.00	\$840	\$840
Sunriver	T03SU	1	L & T CR	M	Crack Sealing - AC	180	Ft	\$1.20	\$216	\$815
Sunriver	T03SU	1	ALLIGATOR CR	M	Patching - AC Deep	30	SqFt	\$20.00	\$599	
									TOTAL	\$1,528,332

Appendix 4
Re-Inspection Report

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: A01SU Name: Apron 01 Sunriver Use: APRON Area: 275,576.51SqFt

Section: 01 of 5 From: T01SU-02 To: A01SU-02,03 Last Const.: 09/01/1997
Surface: AAC Family: OR-Cat4-AAC-East-AP-2014 Zone: S21 Category: L Rank: P
Area: 96,764.00SqFt Length: 410.00Ft Width: 305.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments: Twin/Jet Ramp

Last Insp. Date: 08/05/2014 Total Samples: 20 Surveyed: 6

Conditions: PCI: 66

Inspection Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 67

Sample Comments:

43 BLOCK CRACKING	M	500.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	130.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 10 Type: R Area: 5,000.00SqFt PCI = 71

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	82.00 Ft	Comments:
50 PATCHING	L	190.00 SqFt	Comments:
50 PATCHING	M	20.00 SqFt	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 11 Type: R Area: 5,000.00SqFt PCI = 70

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	235.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 12 Type: R Area: 5,000.00SqFt PCI = 56

Sample Comments:

41 ALLIGATOR CRACKING	M	50.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	115.00 Ft	Comments:
50 PATCHING	L	78.00 SqFt	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 13 Type: R Area: 5,000.00SqFt PCI = 73

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	112.00 Ft	Comments:
50 PATCHING	L	162.00 SqFt	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 20 Type: R Area: 5,300.00SqFt PCI = 60

Sample Comments:

43 BLOCK CRACKING	M	625.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	125.00 Ft	Comments:
50 PATCHING	L	175.00 SqFt	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: A01SU Name: Apron 01 Sunriver Use: APRON Area: 275,576.51SqFt

Section: 02 of 5 From: A01SU-01,03,04 To: FBO Last Const.: 09/02/1970
Surface: ST Family: OR-Cat4-ST-East-AP-2014 Zone: S21 Category: L Rank: P
Area: 21,500.00SqFt Length: 150.00Ft Width: 145.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 4 Surveyed: 3

Conditions: PCI: 11

Inspection Comments:

Sample Number: 02 Type: R Area: 5,000.00SqFt PCI = 11
Sample Comments:
41 ALLIGATOR CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 11
Sample Comments:
41 ALLIGATOR CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 11
Sample Comments:
41 ALLIGATOR CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: A01SU Name: Apron 01 Sunriver Use: APRON Area: 275,576.51SqFt

Section: 03 of 5 From: T01SU-03 To: A01SU-01,02,04,05 Last Const.: 09/01/1999
Surface: AC Family: OR-Cat4-AC-East-AP-2014 Zone: S21 Category: L Rank: P
Area: 65,675.00SqFt Length: 455.00Ft Width: 145.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 13 Surveyed: 5

Conditions: PCI : 45

Inspection Comments:

Sample Number: 05 Type: R Area: 5,000.00SqFt PCI = 33

Sample Comments:

41 ALLIGATOR CRACKING	M	300.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	737.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 06 Type: R Area: 5,000.00SqFt PCI = 36

Sample Comments:

41 ALLIGATOR CRACKING	M	200.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	715.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 07 Type: R Area: 5,000.00SqFt PCI = 41

Sample Comments:

41 ALLIGATOR CRACKING	M	50.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	600.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	50.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 08 Type: R Area: 5,000.00SqFt PCI = 49

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	M	650.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	100.00 Ft	Comments:
57 WEATHERING	L	5,000.00 SqFt	Comments:

Sample Number: 13 Type: R Area: 7,975.00SqFt PCI = 57

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING	L	100.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	650.00 Ft	Comments:
57 WEATHERING	L	7,975.00 SqFt	Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: A01SU Name: Apron 01 Sunriver Use: APRON Area: 275,576.51SqFt

Section: 04 of 5 From: A01SU-02,03,05 To: W. Edge Last Const.: 09/01/1982
Surface: AC Family: OR-Cat4-AC-East-AP-2014 Zone: S21 Category: L Rank: P
Area: 44,225.00SqFt Length: 305.00Ft Width: 145.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 9 Surveyed: 4

Conditions: PCI: 12

Inspection Comments:

Sample Number: 01 Type: R Area: 4,500.00SqFt PCI = 12
Sample Comments:
43 BLOCK CRACKING H 4,500.00 SqFt Comments:
57 WEATHERING M 2,250.00 SqFt Comments:
57 WEATHERING H 2,250.00 SqFt Comments:

Sample Number: 02 Type: R Area: 4,500.00SqFt PCI = 12
Sample Comments:
43 BLOCK CRACKING H 4,500.00 SqFt Comments:
57 WEATHERING M 2,250.00 SqFt Comments:
57 WEATHERING H 2,250.00 SqFt Comments:

Sample Number: 05 Type: R Area: 5,000.00SqFt PCI = 12
Sample Comments:
43 BLOCK CRACKING H 5,000.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:
57 WEATHERING H 2,500.00 SqFt Comments:

Sample Number: 08 Type: R Area: 5,000.00SqFt PCI = 12
Sample Comments:
43 BLOCK CRACKING H 5,000.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:
57 WEATHERING H 2,500.00 SqFt Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: A01SU Name: Apron 01 Sunriver Use: APRON Area: 275,576.51SqFt

Section: 05 of 5 From: A01SU-03,04; T01SU-03 To: North Edge Last Const.: 09/01/1990
Surface: AC Family: OR-Cat4-AC-East-AP-2014 Zone: S21 Category: L Rank: P
Area: 47,412.50SqFt Length: 290.00Ft Width: 160.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 9 Surveyed: 5

Conditions: PCI : 45

Inspection Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 44
Sample Comments:
43 BLOCK CRACKING M 3,500.00 SqFt Comments:
57 WEATHERING L 2,500.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 46
Sample Comments:
43 BLOCK CRACKING M 4,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 06 Type: R Area: 5,000.00SqFt PCI = 46
Sample Comments:
43 BLOCK CRACKING M 4,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 07 Type: R Area: 5,000.00SqFt PCI = 42
Sample Comments:
43 BLOCK CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Sample Number: 09 Type: R Area: 5,000.00SqFt PCI = 45
Sample Comments:
41 ALLIGATOR CRACKING M 100.00 SqFt Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING M 550.00 Ft Comments:
57 WEATHERING L 5,000.00 SqFt Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: R18SU Name: Runway 18/36 Sunriver Use: RUNWAY Area: 419,012.00SqFt

Section: 01 of 1 From: R36 End To: R18SU-02 Last Const.: 09/02/2009
Surface: AC Family: OR-Cat4-AC-East-RW-2014 Zone: S21 Category: L Rank: P
Area: 419,012.00SqFt Length: 5,460.00Ft Width: 75.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 75 Surveyed: 8

Conditions: PCI : 83

Inspection Comments:

Sample Number: 01 Type: R Area: 5,625.00SqFt PCI = 90
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 173.00 Ft Comments:

Sample Number: 09 Type: R Area: 5,625.00SqFt PCI = 77
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING M 150.00 Ft Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 115.00 Ft Comments:

Sample Number: 17 Type: R Area: 5,625.00SqFt PCI = 88
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 215.00 Ft Comments:

Sample Number: 24 Type: R Area: 5,625.00SqFt PCI = 82
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING M 75.00 Ft Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 187.00 Ft Comments:

Sample Number: 34 Type: R Area: 5,625.00SqFt PCI = 89
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 187.00 Ft Comments:

Sample Number: 41 Type: R Area: 5,625.00SqFt PCI = 89
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 190.00 Ft Comments:

Sample Number: 58 Type: R Area: 5,625.00SqFt PCI = 71
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING M 256.00 Ft Comments:
57 WEATHERING M 1,000.00 SqFt Comments:

Sample Number: 72 Type: R Area: 5,625.00SqFt PCI = 83
Sample Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 355.00 Ft Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 01 of 6 From: R36 End To: T02SU-02 Last Const.: 09/01/1990
Surface: AC Family: OR-Cat4-AC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 67,743.00SqFt Length: 2,110.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 11 Surveyed: 4

Conditions: PCI : 22

Inspection Comments:

Sample Number: 05 Type: R Area: 6,000.00SqFt PCI = 18

Sample Comments:

41 ALLIGATOR CRACKING	M	900.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	440.00	Ft	Comments:
50 PATCHING	L	240.00	SqFt	Comments:
50 PATCHING	M	60.00	SqFt	Comments:
53 RUTTING	L	400.00	SqFt	Comments:
57 WEATHERING	L	3,000.00	SqFt	Comments:
57 WEATHERING	M	3,000.00	SqFt	Comments:

Sample Number: 07 Type: R Area: 6,000.00SqFt PCI = 28

Sample Comments:

41 ALLIGATOR CRACKING	M	300.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	257.00	Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	25.00	Ft	Comments:
50 PATCHING	M	150.00	SqFt	Comments:
57 WEATHERING	L	3,000.00	SqFt	Comments:
57 WEATHERING	M	3,000.00	SqFt	Comments:

Sample Number: 09 Type: R Area: 6,000.00SqFt PCI = 24

Sample Comments:

41 ALLIGATOR CRACKING	M	500.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	471.00	Ft	Comments:
50 PATCHING	L	60.00	SqFt	Comments:
53 RUTTING	L	600.00	SqFt	Comments:
57 WEATHERING	L	3,000.00	SqFt	Comments:
57 WEATHERING	M	3,000.00	SqFt	Comments:

Sample Number: 11 Type: R Area: 6,000.00SqFt PCI = 17

Sample Comments:

41 ALLIGATOR CRACKING	M	1,000.00	SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	180.00	Ft	Comments:
50 PATCHING	L	665.00	SqFt	Comments:
53 RUTTING	L	200.00	SqFt	Comments:
57 WEATHERING	L	3,000.00	SqFt	Comments:
57 WEATHERING	M	3,000.00	SqFt	Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 02 of 6 From: T01SU-01 To: T03SU-01 Last Const.: 09/01/1997
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 13,034.00SqFt Length: 435.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 2 Surveyed: 2

Conditions: PCI : 56

Inspection Comments:

Sample Number: 01 Type: R Area: 6,000.00SqFt PCI = 41

Sample Comments:

41 ALLIGATOR CRACKING	M	200.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	150.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	127.00 Ft	Comments:
50 PATCHING	L	12.00 SqFt	Comments:
57 WEATHERING	L	6,000.00 SqFt	Comments:

Sample Number: 02 Type: R Area: 7,034.00SqFt PCI = 69

Sample Comments:

43 BLOCK CRACKING	M	525.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	270.00 Ft	Comments:
57 WEATHERING	L	7,034.00 SqFt	Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 03 of 6 From: T01SU-02 To: A01SU-03,05 Last Const.: 09/01/1990
Surface: AC Family: OR-Cat4-AC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 6,000.00SqFt Length: 200.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 3 Surveyed: 1

Conditions: PCI : 42

Inspection Comments:

Sample Number: 01 Type: R Area: 6,000.00SqFt PCI = 42

Sample Comments:

41 ALLIGATOR CRACKING	M	200.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	H	240.00 Ft	Comments:
57 WEATHERING	L	6,000.00 SqFt	Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 04 of 6 From: T01SU-03 To: T01SU-05 Last Const.: 09/01/1990
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 13,200.00SqFt Length: 440.00Ft Width: 30.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 2 Surveyed: 2

Conditions: PCI : 100

Inspection Comments:

Sample Number: 01 Type: R Area: 6,750.00SqFt PCI = 100

Sample Comments:

<NO DISTRESSES>

Sample Number: 02 Type: R Area: 6,450.00SqFt PCI = 100

Sample Comments:

<NO DISTRESSES>

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 05 of 6 From: T01SU-04 To: T01SU-06 Last Const.: 09/01/1990
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 35,091.00SqFt Length: 1,360.00Ft Width: 25.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 7 Surveyed: 4

Conditions: PCI : 35

Inspection Comments:

Sample Number: 02 Type: R Area: 5,000.00SqFt PCI = 32
Sample Comments:
50 PATCHING M 625.00 SqFt Comments:
43 BLOCK CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 2,500.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 32
Sample Comments:
50 PATCHING M 340.00 SqFt Comments:
43 BLOCK CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 2,500.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:

Sample Number: 04 Type: R Area: 5,000.00SqFt PCI = 27
Sample Comments:
50 PATCHING L 90.00 SqFt Comments:
50 PATCHING M 350.00 SqFt Comments:
43 BLOCK CRACKING M 5,000.00 SqFt Comments:
57 WEATHERING L 2,500.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:

Sample Number: 05 Type: R Area: 5,000.00SqFt PCI = 50
Sample Comments:
50 PATCHING M 354.00 SqFt Comments:
43 BLOCK CRACKING L 5,000.00 SqFt Comments:
57 WEATHERING L 2,500.00 SqFt Comments:
57 WEATHERING M 2,500.00 SqFt Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T01SU Name: Taxiway 01 Sunriver Use: TAXIWAY Area: 137,584.00SqFt

Section: 06 of 6 From: T02SU-05 To: R18SU-01 Last Const.: 09/01/2009
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 2,516.00SqFt Length: 30.00Ft Width: 71.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 1 Surveyed: 1

Conditions: PCI : 83

Inspection Comments:

Sample Number: 01 Type: R Area: 2,516.00SqFt PCI = 83

Sample Comments:

48 LONGITUDINAL/TRANSVERSE CRACKING M 30.00 Ft Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 100.00 Ft Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T02SU Name: Taxiway 02 Sunriver Use: TAXIWAY Area: 2,718.00SqFt

Section: 01 of 1 From: T01SU-01 To: R18SU-01 Last Const.: 09/01/1997
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 2,718.00SqFt Length: 97.50Ft Width: 27.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 1 Surveyed: 1

Conditions: PCI : 69

Inspection Comments:

Sample Number: 01 Type: R Area: 2,718.00SqFt PCI = 69

Sample Comments:

41 ALLIGATOR CRACKING M 20.00 SqFt Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING L 180.00 Ft Comments:

Re-inspection Report

ODA2014

Report Generated Date: September 17, 2014

Network: Sunriver Name: Sunriver

Branch: T03SU Name: Taxiway 03 Sunriver Use: TAXIWAY Area: 4,960.00SqFt

Section: 01 of 1 From: T01SU-02 To: R18SU-01 Last Const.: 09/01/1985
Surface: AAC Family: OR-Cat4-AAC-East-TW-2014 Zone: S21 Category: L Rank: P
Area: 4,960.00SqFt Length: 97.50Ft Width: 50.00Ft
Shoulder: Street Type: Grade: 0.00 Lanes: 0

Section Comments:

Last Insp. Date: 08/05/2014 Total Samples: 1 Surveyed: 1

Conditions: PCI : 53

Inspection Comments:

Sample Number: 01 Type: R Area: 4,960.00SqFt PCI = 53

Sample Comments:

41 ALLIGATOR CRACKING	M	12.00 SqFt	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	L	200.00 Ft	Comments:
48 LONGITUDINAL/TRANSVERSE CRACKING	M	180.00 Ft	Comments:
50 PATCHING	L	2,000.00 SqFt	Comments:
57 WEATHERING	L	3,000.00 SqFt	Comments: