

# **2023 ODAV Pavement Evaluation Program Bandon State Airport**

**Bandon, Oregon**

**December 29, 2023**

**Prepared for**

**State of Oregon Department of Aviation  
3040 25th Street SE  
Salem, OR 97303-1125**

**Prepared by**



**16520 SW Upper Boones Ferry Road, Suite 100  
Tigard, OR 97224-7661  
(503) 641-3478 | [www.gri.com](http://www.gri.com)**

## TABLE OF CONTENTS

<b>1</b>	<b>OVERVIEW.....</b>	<b>1</b>
<b>2</b>	<b>PAVEMENT INVENTORY .....</b>	<b>1</b>
<b>3</b>	<b>PAVEMENT CONDITION INSPECTION RESULTS.....</b>	<b>5</b>
	3.1 Introduction.....	5
	3.2 Pavement Condition Index Survey Results.....	5
<b>4</b>	<b>FUTURE PAVEMENT CONDITION ANALYSIS.....</b>	<b>8</b>
	4.1 Introduction.....	8
	4.2 Future Condition Analysis.....	8
	4.3 Functional Remaining Life.....	8
<b>5</b>	<b>MAINTENANCE AND REHABILITATION PROJECT RECOMMENDATIONS .....</b>	<b>10</b>
	5.1 Introduction.....	10
	5.2 Recommended Localized Maintenance.....	10
	5.3 Surface Treatment, Rehabilitation, and Reconstruction Plan.....	10
<b>6</b>	<b>LIMITATIONS.....</b>	<b>12</b>

### TABLES

Table 3-1:	ASTM PCI Rating Scale.....	5
Table 5-1:	Localized Maintenance Quantities.....	10
Table 5-2:	Surface Treatment, Rehabilitation, and Reconstruction Quantities.....	10

### FIGURES

Figure 2.1:	Bandon State Airport Location Map
Figure 2.2:	Bandon State Airport Pavement Area by Surface Type
Figure 2.3:	Bandon State Airport Pavement Area by Branch Use
Figure 2.4:	Bandon State Airport Pavement Inventory
Figure 3.1:	Bandon State Airport 2023 PCI Survey Results
Figure 3.2:	Bandon State Airport Pavement Condition Rating by Percent of Area
Figure 4.1:	Bandon State Airport Future Pavement Condition
Figure 5.1:	Bandon State Airport 5-Year Pavement Management Plan

### APPENDICES

Appendix A:	Pavement Inventory Report and Maps
Appendix B:	Pavement Condition Index Survey Results
Appendix C:	Future Pavement Condition Analysis
Appendix D:	Unit Cost Data and Maintenance and Rehabilitation Plan
Appendix E:	Reinspection Report
Appendix F:	Work History Report

## 1 OVERVIEW

GRI assisted with updating the Oregon Department of Aviation (ODAV) airport pavement management system and developing a five-year plan comprised of maintenance, surface treatment, rehabilitation, and reconstruction projects for the Bandon State Airport in Bandon, Oregon. This project was implemented as part of the ODAV and Federal Aviation Administration (FAA) *Oregon Continuous Aviation System Plan*. The information provided in this report ensures compliance with FAA Grant Assurance Number 11, which outlines that an airport shall have an effective airport pavement maintenance-management program in place to receive federal financial assistance for the construction, reconstruction, or repair of airport pavements.

GRI conducted surveys of the airside pavement at Bandon State Airport in 2023 in accordance with the procedures of Advisory Circular 150/5380-7B and ASTM International (ASTM) D5340. We uploaded the survey data into the PAVER database and used the software to provide a rapid calculation of the pavement condition index (PCI) rating. The PCI is a numerical indicator that defines the functional condition of the pavement based on visual inspection. The scale ranges from zero to 100, where zero represents a pavement in the worst possible condition with no remaining functional life and 100 represents a pavement in the best possible condition with no defects.

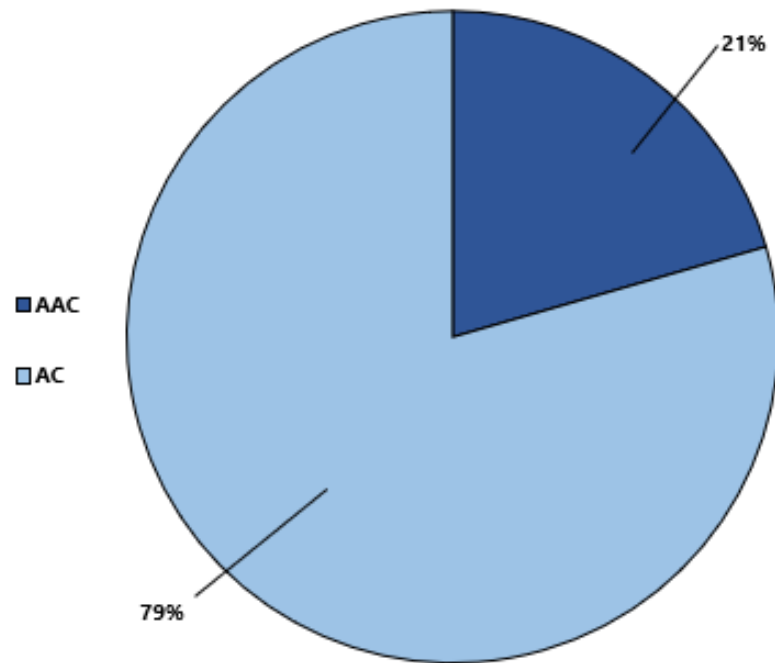
## 2 PAVEMENT INVENTORY

Bandon State Airport is located in Bandon, Oregon, and is owned and operated by the ODAV. The airport consists of a single runway, a primary taxiway, multiple connector taxiways, and aprons that serve a variety of general aviation aircraft and military aircraft. The general location of the airport is shown below on the Bandon State Airport Location Map, Figure 2.1.

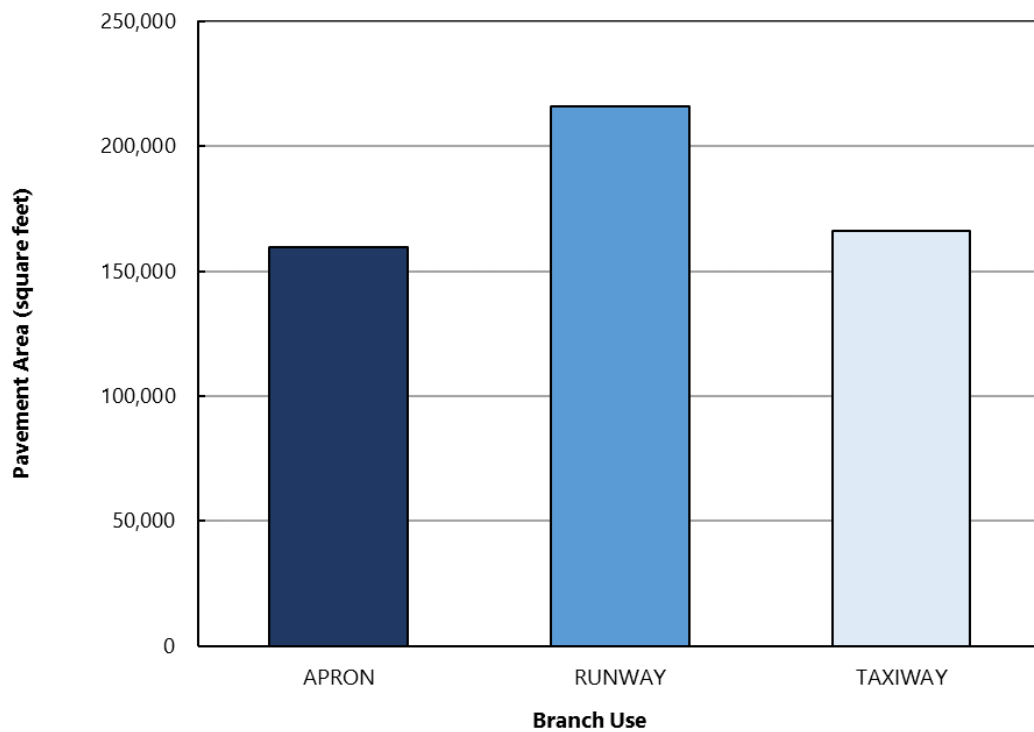


**Figure 2.1: BANDON STATE AIRPORT LOCATION MAP**

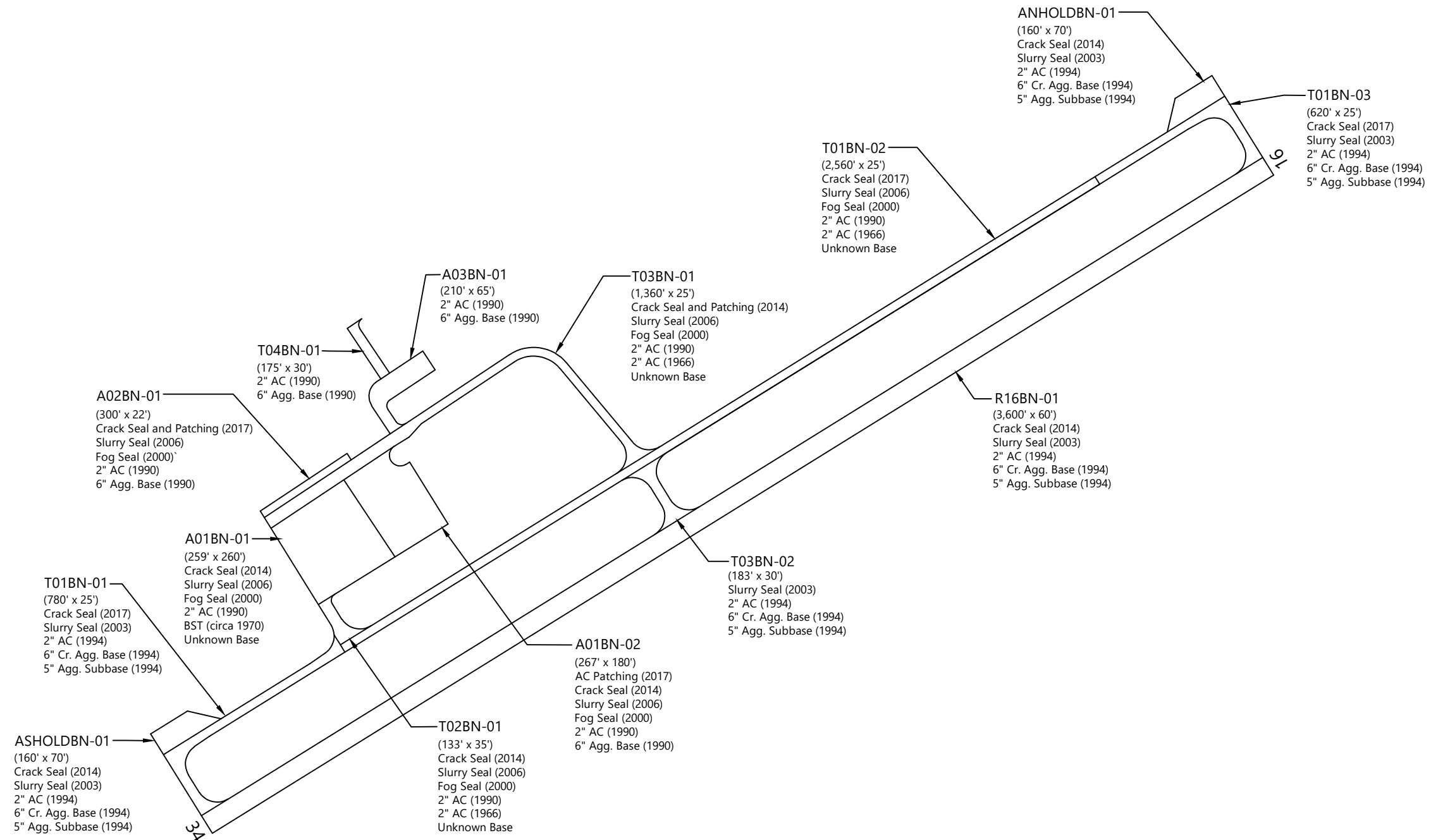
The airside pavements at the Bandon State Airport are comprised of asphalt concrete (AC) and AC overlaid with AC (AAC). The airport pavements, delineated by surface type and branch use, are shown on the Bandon State Airport Percent of Pavement Area by Surface Type, Figure 2.2, and on the Bandon State Airport Pavement Area by Branch Use, Figure 2.3, shown below. The pavement inventory, including work history for each pavement section, is displayed spatially on the Bandon State Airport Pavement Inventory, Figure 2.4. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively, in Appendix A. The sample unit layout for each section is shown on Figure 1A in Appendix A. We used the sampling rates outlined in Table 3A of Appendix A in our survey. The pavement inventory, including work history for individual airport pavement sections, is provided in the work history report, Table 1F.



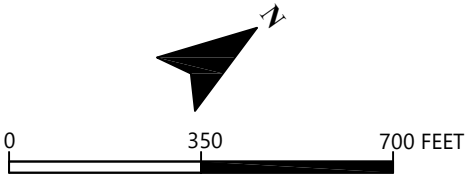
**Figure 2.2: BANDON STATE AIRPORT PERCENT OF PAVEMENT AREA BY SURFACE TYPE**



**Figure 2.3: BANDON STATE AIRPORT PAVEMENT AREA BY BRANCH USE**



ABBREVIATIONS: AC = ASPHALT CONCRETE; Cr. = CRUSHED; Agg. = AGGREGATE



### 3 PAVEMENT CONDITION INSPECTION RESULTS

#### 3.1 Introduction

GRI conducted a visual PCI survey of the airside pavements at Bandon State Airport in July 2023. The 2023 survey work was performed on sections last inspected in 2019 in order to update the Bandon State Airport inspection data. GRI performed the 2023 PCI survey in accordance with the methods described in FAA Advisory Circular 150/5380-6C and ASTM D5340 and further discussed in Appendix B of this report.

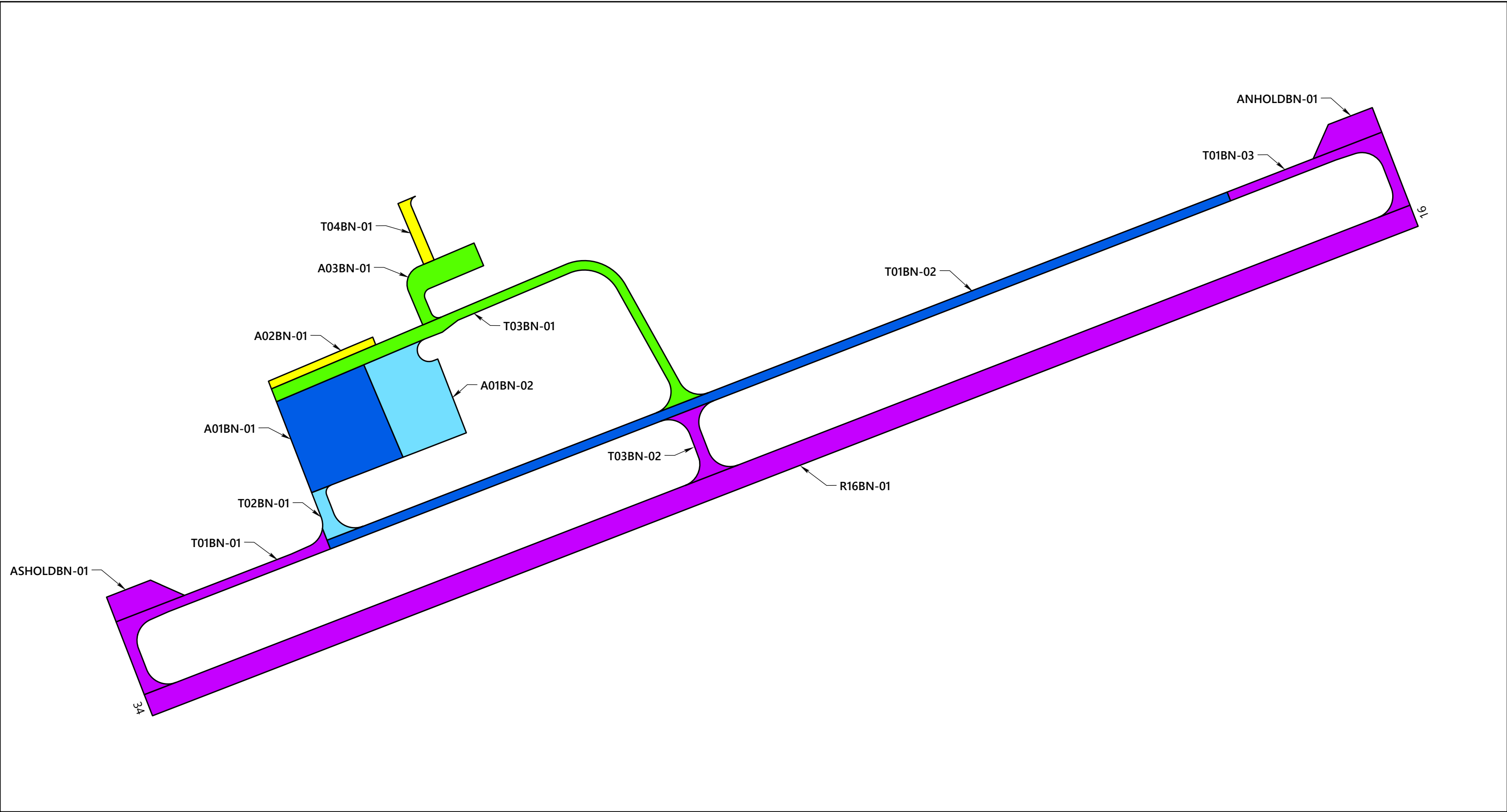
The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. Further discussion of distress types for flexible and rigid pavement is provided in Appendix B and summarized in Table 1B in Appendix B. The results of the PCI survey are displayed using a seven-category rating scale in accordance with ASTM D5340. Details of the ASTM PCI rating scale are provided in Table 3-1 below.

**Table 3-1: ASTM PCI RATING SCALE**

PCI Color Legend	PCI Range	PCI Rating and Definition
	86 – 100	GOOD: Pavement has minor or no distresses and should require only routine maintenance.
	71 – 85	SATISFACTORY: Pavement has scattered low-severity distresses that should require only routine maintenance.
	56 – 70	FAIR: Pavement has a combination of generally low- and medium-severity distresses. Maintenance and repair needs may range from routine to major.
	41 – 55	POOR: Pavement has low-, medium-, and high-severity distresses that probably cause some operational problems. M&R needs will be major.
	26 – 40	VERY POOR: Pavement has predominantly medium- and high-severity distresses that cause considerable maintenance and operational problems. M&R needs will be major.
	11 – 25	SERIOUS: Pavement has mainly high-severity distresses that may affect operational safety; immediate repairs are needed.
	0 – 10	FAILED: Pavement deterioration has progressed to the point that safe aircraft operations are no longer possible; complete reconstruction is required.

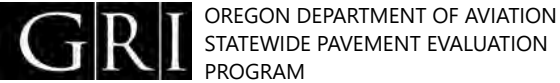
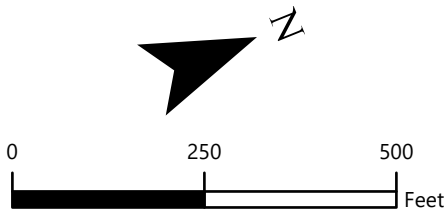
#### 3.2 Pavement Condition Index Survey Results

The area-weighted average PCI for all airport pavements at Bandon State Airport is approximately 80. The section PCIs ranged from a low of 33 to a high of 98. The primary distresses observed during the inspection were weathering, longitudinal and transverse cracking, fatigue (alligator) cracking, depression, and patching on AC-surfaced pavements. Section PCIs following our pavement survey are displayed below spatially on the Bandon State Airport 2023 PCI Survey Results, Figure 3.1.



SECTION PCI

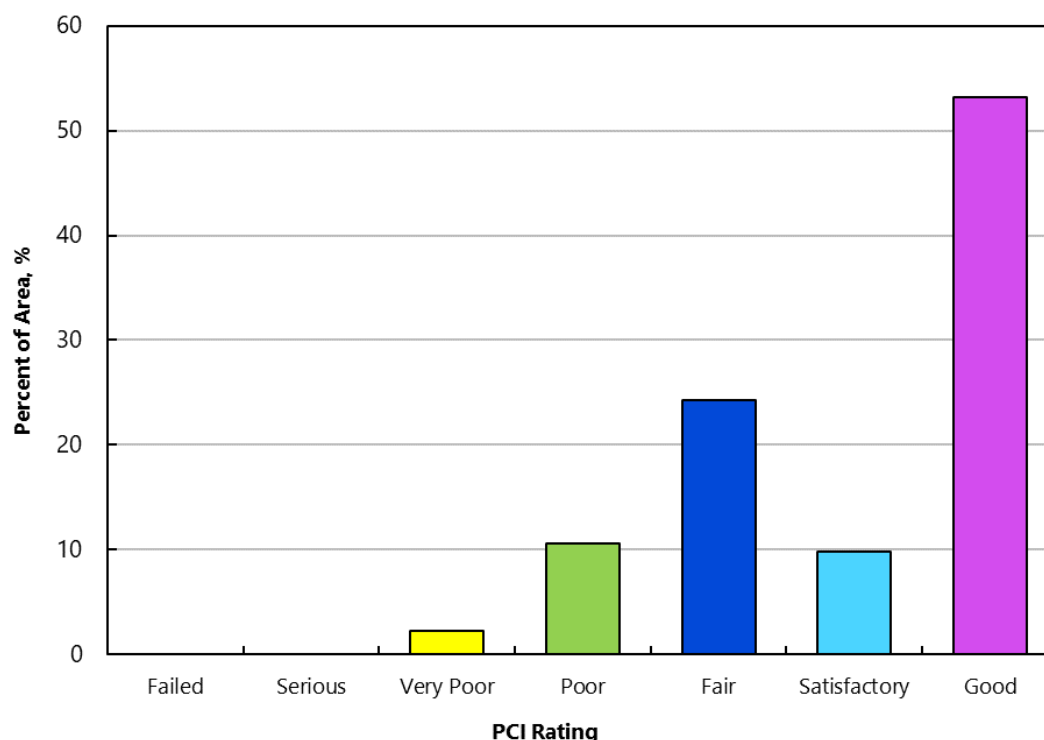
- (86 - 100) GOOD
- (71 - 85) SATISFACTORY
- (56 - 70) FAIR
- (41 - 55) POOR
- (26 - 40) VERY POOR
- (11 - 25) SERIOUS
- (0 - 10) FAILED



BANDON STATE AIRPORT  
2023 PCI SURVEY RESULTS



The condition distribution of the network by percent of total pavement area is provided on the Bandon State Airport Pavement Condition Rating by Percent of Area, Figure 3.2. A summary of the pavement condition results by branch and section is included in Tables 2B and 3B of Appendix B, respectively. A comparison between the previous inspection and the 2023 inspection is provided in Table 4B in Appendix B. The re-inspection report that includes inspection details for individual sample units is provided in Table 1E in Appendix E.



**Figure 3.2: BANDON STATE AIRPORT PAVEMENT CONDITION RATING BY PERCENT OF AREA**

## **4 FUTURE PAVEMENT CONDITION ANALYSIS**

### **4.1 Introduction**

In addition to assessing the current condition of a pavement, it is very important from a planning standpoint to be able to predict with reasonable accuracy the future condition. Additional details regarding our future pavement condition analysis, including pavement condition prediction models, are provided in Appendix C. PCI performance curves developed for Bandon State Airport are displayed on Figures 1C through 3C in Appendix C.

### **4.2 Future Condition Analysis**

Using the condition prediction models discussed above, the projected condition of each pavement section was determined for 5- and 10-year periods. Based on this analysis, we project the PCI to decrease from a current value of 80 to a value of 73 in 2028 and 66 in 2033 if no maintenance or rehabilitation work is performed. The projected pavement condition in 5 years and 10 years for each pavement section at Bandon State Airport is displayed spatially on the Bandon State Airport Future Pavement Condition, Figure 4.1, and listed in Table 1C in Appendix C, along with the past and present PCI values for the pavement network.

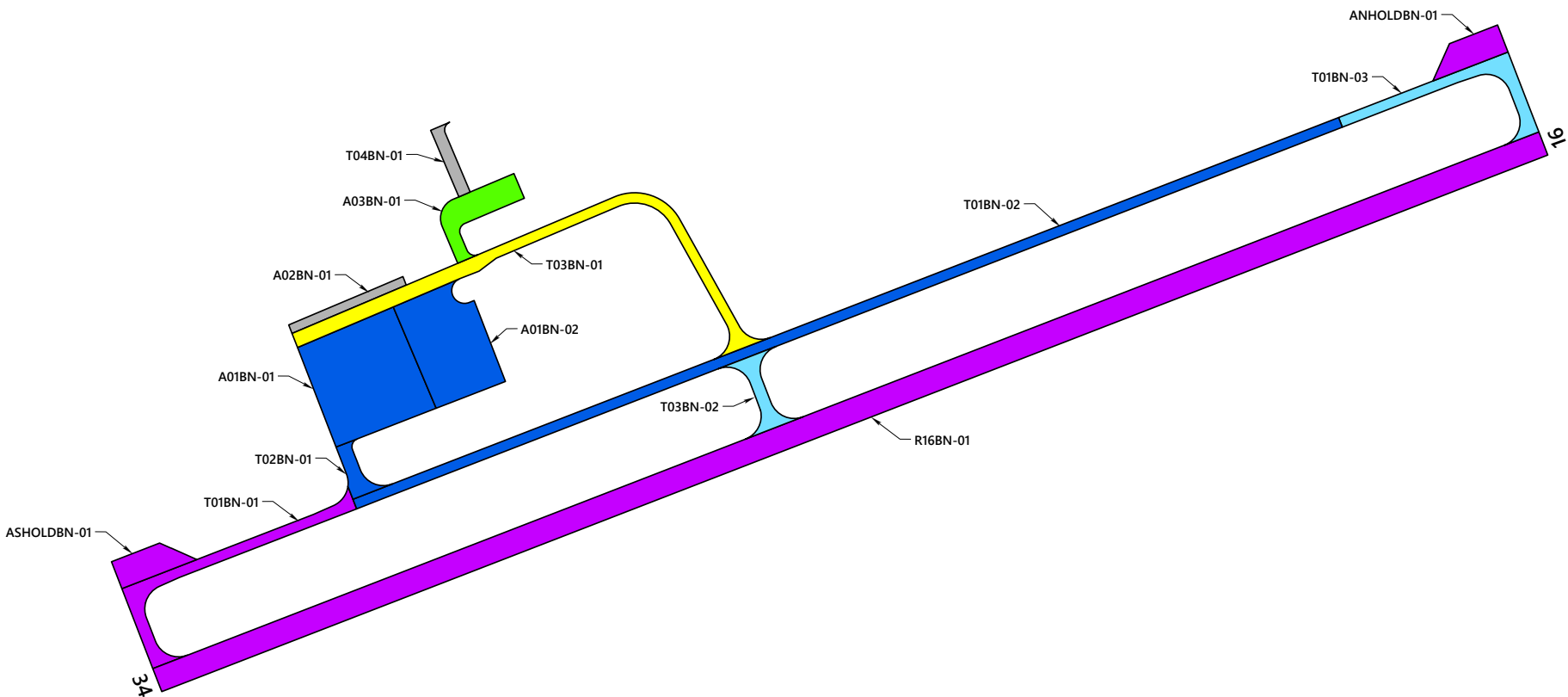
### **4.3 Functional Remaining Life**

Functional remaining life is the practical amount of time a pavement is in service before requiring rehabilitation, as estimated solely based on visual condition. This is not to be confused with structural remaining life, which requires analysis of the structural capacity of a pavement and typically a field exploration and testing program that includes core explorations and falling weight deflectometer (FWD) deflection tests.

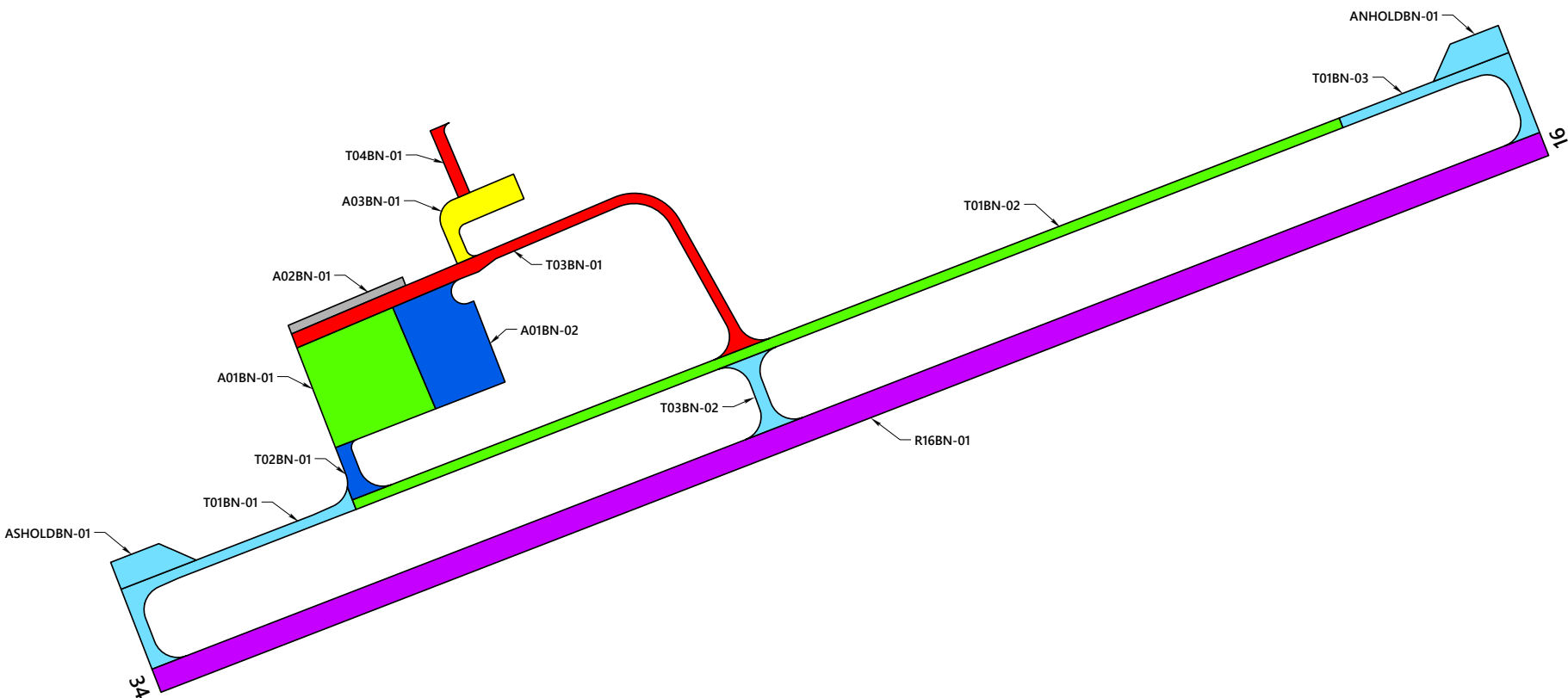
We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Bandon State Airport. The first type of functional remaining life is the time until rehabilitation, such as an overlay, is needed. The critical PCI, further discussed in Section C.3 of Appendix C, is the threshold used for this type of functional remaining-life analysis. The second type of functional remaining life is the time until the pavement is no longer operational due to high foreign object debris (FOD) potential and increased safety concerns for trafficking aircraft. A PCI of 40 was set as the trigger point for the end of the pavement's functional service life with regard to FOD potential.

The two types of functional remaining life for each section at Bandon State Airport are summarized in Table 2C in Appendix C.

PREDICTED CONDITION IN 2028

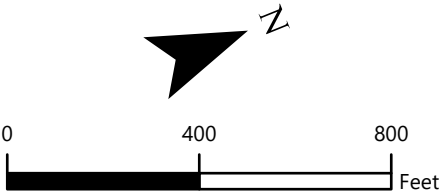


PREDICTED CONDITION IN 2033



SECTION PCI

- (86 - 100) GOOD
- (71 - 85) SATISFACTORY
- (56 - 70) FAIR
- (41 - 55) POOR
- (26 - 40) VERY POOR
- (11 - 25) SERIOUS
- (0 - 10) FAILED



## 5 MAINTENANCE AND REHABILITATION PROJECT RECOMMENDATIONS

### 5.1 Introduction

We evaluated M&R needs, as determined from the PAVER analysis results, in order to develop localized maintenance, surface treatment, rehabilitation, and reconstruction needs. Details of our M&R work priorities and unit costs for work activities are provided in Tables 1D and 2D, respectively, in Appendix D.

### 5.2 Recommended Localized Maintenance

Localized maintenance refers to activities such as crack sealing and patching, which should be performed annually in order to properly maintain aging pavements. Using the PAVER Localized Distress Maintenance Analysis tool, we developed a list of recommended localized maintenance. This list is shown in Table 3D in Appendix D and is independent of the surface treatments, rehabilitation, and reconstruction projects associated with the five-year surface treatment and rehabilitation work plan. A summary of total localized maintenance quantities is provided in Table 5-1 below.

**Table 5-1: LOCALIZED MAINTENANCE QUANTITIES**

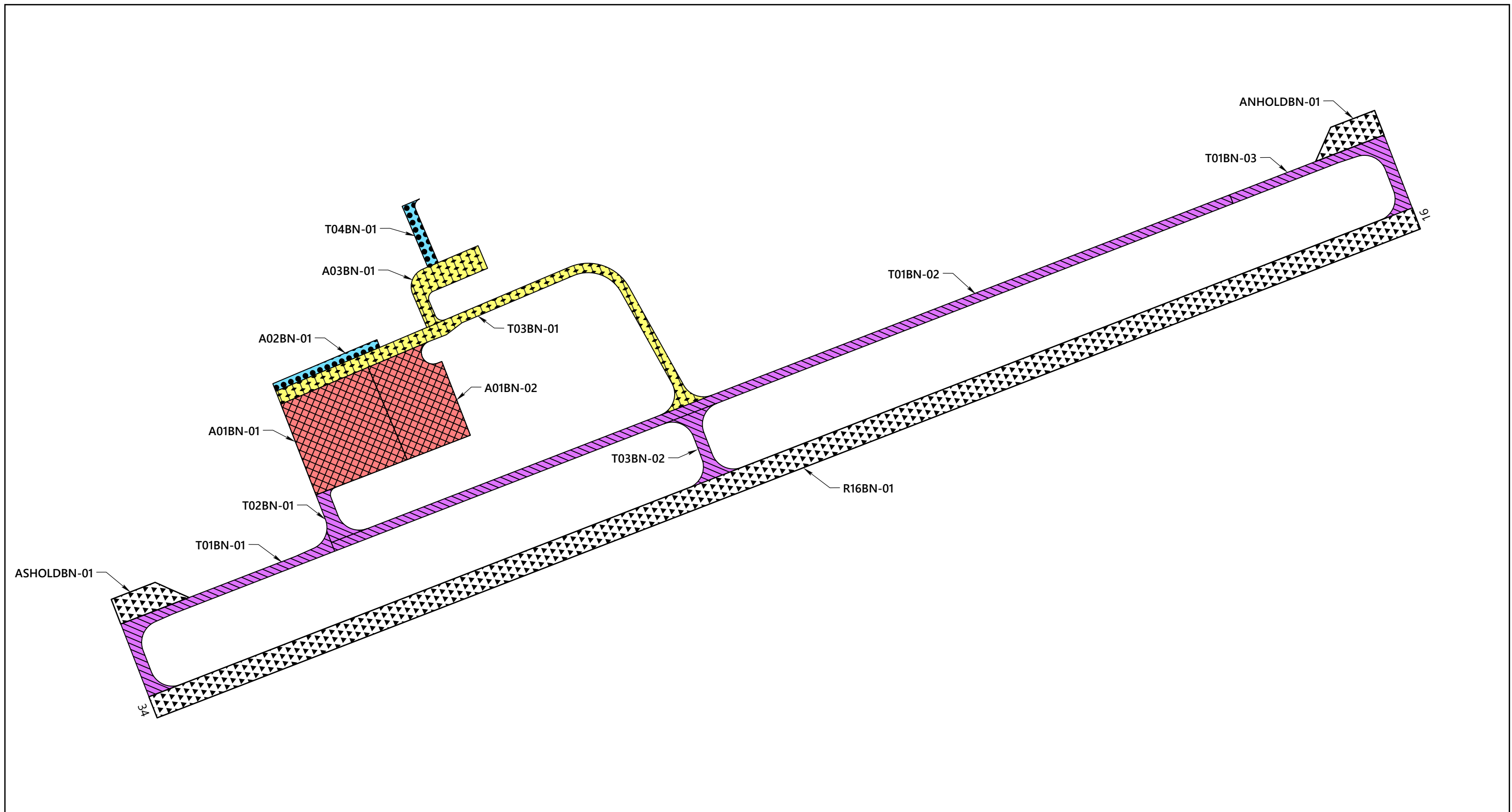
Localized Maintenance Operation	Quantity
Asphalt Concrete Crack Sealing	27,053 linear feet
Asphalt Concrete Full-Depth Patching	2,959 square feet

### 5.3 Surface Treatment, Rehabilitation, and Reconstruction Plan

To develop the five-year work plan, we first ran the eliminate backlog scenario with the PAVER M&R Work Planning Module in order to generate a list, organized by year, of surface treatment, rehabilitation, and reconstruction projects. We then reviewed the project list and refined it into practical construction projects for each year. A summary of surface treatment, rehabilitation, and reconstruction quantities is provided in Table 5-2 below, and maps of the project locations by year are shown on the Bandon State Airport 5-Year Pavement Management Plan, Figure 5.1. The complete list of recommended surface treatment, rehabilitation, and reconstruction projects is presented in Table 4D in Appendix D.

**Table 5-2: SURFACE TREATMENT, REHABILITATION, AND RECONSTRUCTION QUANTITIES**

Treatment Type	Quantity, square feet
Reconstruction	11,936
Overlay	57,403
Fog Seal	114,514
Slurry Seal	119,506

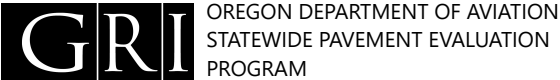
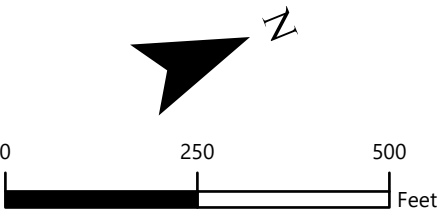


**ACTION TIMING**

- 2024
- 2025
- 2026
- 2027
- 2028

**ACTION**

- FOG SEAL
- SLURRY SEAL
- OVERLAY
- RECONSTRUCTION
- ROUTINE MAINTENANCE



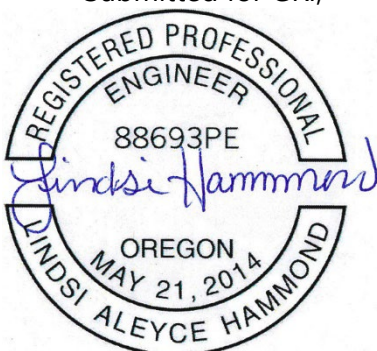
**BANDON STATE AIRPORT  
5-YEAR PAVEMENT MANAGEMENT PLAN**

## 6 LIMITATIONS

This report has been prepared to assist the ODAV with pavement-related project planning for the Bandon State Airport. The scope is limited to the specific pavement areas described within this report. The conclusions and recommendations provided in this report are based on information provided by ODAV, estimated costs, and an understanding of the pavement conditions based solely on visual assessment. The surface treatment, rehabilitation, and reconstruction recommendations and project selections provided in this report, as well as their corresponding cost estimates, are based on a practical grouping of projects and an estimate of the structural requirements. It is possible that recommendations based on a structural evaluation would differ materially from the recommendations given within this report. Therefore, the information included in this report should be used solely for project planning purposes, and it should be understood that rehabilitation costs may vary from the cost estimates given within this report.

Because the condition of the airport pavement network is dynamic, an effective maintenance and rehabilitation program should be reviewed and updated on a regular basis. In addition to regularly surveying and updating the pavement condition, completed construction activities should be tracked in the PAVER database. If Bandon State Airport would like to know more about the results presented in this report, please contact the undersigned.

Submitted for GRI,



RENEWALS: 06/2025

Lindsy A. Hammond, PE  
Principal

Matthew A. Haynes, PE  
Project Engineer

Ana-Maria Coca, PhD  
Engineering Staff

This document has been submitted electronically.

---

## **APPENDIX A**

### *Pavement Inventory Reports and Maps*

## APPENDIX A

### PAVEMENT INVENTORY REPORTS AND MAPS

#### A.1 PAVEMENT NETWORK

Bandon State Airport is located in Bandon, Oregon, and is owned and operated by the Oregon Department of Aviation (ODAV). The pavement network/facilities at Bandon State Airport serve a variety of general aviation aircraft and military aircraft. Bandon State Airport consists of a single runway, a primary taxiway, multiple connector taxiways, and aprons. The types of airside pavements include asphalt concrete (AC) and AC overlaid with AC (AAC).

The current airport pavement management system (APMS) network at Bandon State Airport has an approximate area of 541,759 square feet of paved airside facilities. The pavement network has previously been divided (by others) into a hierarchical order of branches, sections, and sample units that facilitate inspection and maintenance planning. The pavement facilities summarized by branch and section are listed in Tables 1A and 2A, respectively. Pavement sections and the sample unit layout for each section are shown on Figure 1A in this appendix.

#### A.2 BRANCHES

A branch, as defined in the PAVER system, is a facility that is a readily identifiable part of the pavement system and has a distinct function. For airports, branches typically consist of individual runways, taxiways, and aprons. The current pavement network for Bandon State Airport contains 10 branches, tabulated in Table 1A and shown on Figure 1A.

#### A.3 SECTIONS AND SAMPLE UNITS

A pavement section is the smallest management unit used when considering the application and selection of maintenance and rehabilitation (M&R) repairs and treatments and is defined by Section 2.1.8 of ASTM International (ASTM) D5340 as “*a contiguous pavement area having uniform construction, maintenance, usage history, and condition.*” All sections should also have the same traffic volume and load intensity. The current pavement network included in the PAVER database for Bandon State Airport contains 14 sections that are managed by the Oregon Department of Aviation (ODAV), which are tabulated in Table 2A and shown spatially on Figure 1A.

PAVER assigns a rank, which designates that pavement’s prioritization in receiving maintenance and repair. The highest use or priority pavements, such as runways, taxiways, and terminal aprons, are ranked *Primary*, while the surrounding aprons and shoulders are ranked *Secondary* and low-use areas are ranked *Tertiary*. The ranks for all sections are shown on Table 2A.



To facilitate the visual survey of the airport pavement, each section is further subdivided into smaller areas called sample units. Similar sizing of these units is critical, and studies have found that maintaining the size of the sample units to within 40% of the established normal distribution reduces the standard error of the average pavement condition index (PCI) values. To meet this criterion, the ASTM method recommends sample units for flexible pavements be  $5,000 \pm 2,000$  square feet. The delineation of sample units for each section is displayed on Figure 1A.

#### A.4 SAMPLE UNIT DELINEATION

For an APMS survey, a PCI confidence level of 92% and an allowable error (e) of eight PCI points are used for all airport pavements. To determine the number of sample units that need to be inspected to achieve the required confidence level and allowable error, the following equation is used:

$$n = \frac{N \times s^2}{\left(e^2/4\right)(N-1) + s^2} \quad \text{(Equation 1)}$$

where:

- n = number of sample units to be inspected
- N = total number of samples in the pavement sections
- e = allowable error
- s = section standard deviation

For the 2023 Bandon State Airport PCI survey, Table 3A was used as a guideline in developing sampling rates for flexible and rigid pavement that reflect similar rates used for other large airport pavement networks. In general, this sampling rate distribution provides a 92% confidence level with a standard error of eight PCI points.

Sample unit locations at Bandon State Airport were selected using a systematic random sampling model method. This technique is implemented by first determining the number of sample units needed based on the confidence interval calculated using Equation 1. The first sample unit is randomly placed in the section, and then the remaining sample units are systematically spaced throughout the section at an equal distance apart.

**Table 1A: BANDON STATE AIRPORT PAVEMENT BRANCHES**

Facility Designation (Branch ID)	Branch Name	Number of Sections	Approximate Area, square feet
A01BN	Apron 01 Bandon	2	114,514
A02BN	Apron 02 Bandon	1	6,600
A03BN	Apron 03 Bandon	1	15,991
ANHOLDBN	North Hold Apron Bandon	1	11,200
ASHOLDBN	South Hold Apron Bandon	1	11,200
R16BN	Runway 16/34 Bandon	1	216,000
T01BN	Taxiway 01 Bandon	3	105,123
T02BN	Taxiway 02 Bandon	1	5,818
T03BN	Taxiway 03 Bandon	2	49,977
T04BN	Taxiway 04 Bandon	1	5,336

**Table 2A: BANDON STATE AIRPORT CURRENT PAVEMENT INVENTORY**

BranchID	Branch Name	Branch Use	SectionID	From	To	Rank	Length, feet	Width, feet	Approximate Area, square feet	LCD	Surface Type
A01BN	Apron 01 Bandon	APRON	01	Taxiway 02	Taxiway 03	P	259	260	67,194	9/1/1990	AC
A01BN	Apron 01 Bandon	APRON	02	A01BN-01	Taxiway 03	P	267	180	47,320	9/2/1990	AC
A02BN	Apron 02 Bandon	APRON	01	Taxiway 03	Hangars	S	300	22	6,600	9/2/1990	AC
A03BN	Apron 03 Bandon	APRON	01	Taxiway 03	Taxiway 04	S	210	65	15,991	9/2/1990	AC
ANHOLDBN	North Hold Apron Bandon	APRON	01	T01BN-03	West	P	160	70	11,200	9/3/1994	AC
ASHOLDBN	South Hold Apron Bandon	APRON	01	T01BN-01	West	P	160	70	11,200	9/3/1994	AC
R16BN	Runway 16/34 Bandon	RUNWAY	01	Runway 34 End	Runway 16 End	P	3,600	60	216,000	9/3/1994	AC
T01BN	Taxiway 01 Bandon	TAXIWAY	01	Runway 34 End	T01BN-02	P	780	25	22,892	9/3/1994	AC
T01BN	Taxiway 01 Bandon	TAXIWAY	02	T01BN-01	T01BN-03	P	2,560	25	64,000	9/1/1996	AAC
T01BN	Taxiway 01 Bandon	TAXIWAY	03	T01BN-02	Runway 16 End	P	620	25	18,231	9/3/1994	AC
T02BN	Taxiway 02 Bandon	TAXIWAY	01	Apron 01	Taxiway 01	P	133	35	5,818	9/1/1990	AAC
T03BN	Taxiway 03 Bandon	TAXIWAY	01	Apron 01	Taxiway 01	P	1,360	25	41,412	9/1/1990	AAC
T03BN	Taxiway 03 Bandon	TAXIWAY	02	Taxiway 01	Runway 16/34	P	183	30	8,565	9/3/1994	AC
T04BN	Taxiway 04 Bandon	TAXIWAY	01	Apron 03	Private Apron	S	175	30	5,336	9/2/1990	AC

Abbreviations:

P = Primary pavement, S = Secondary pavement

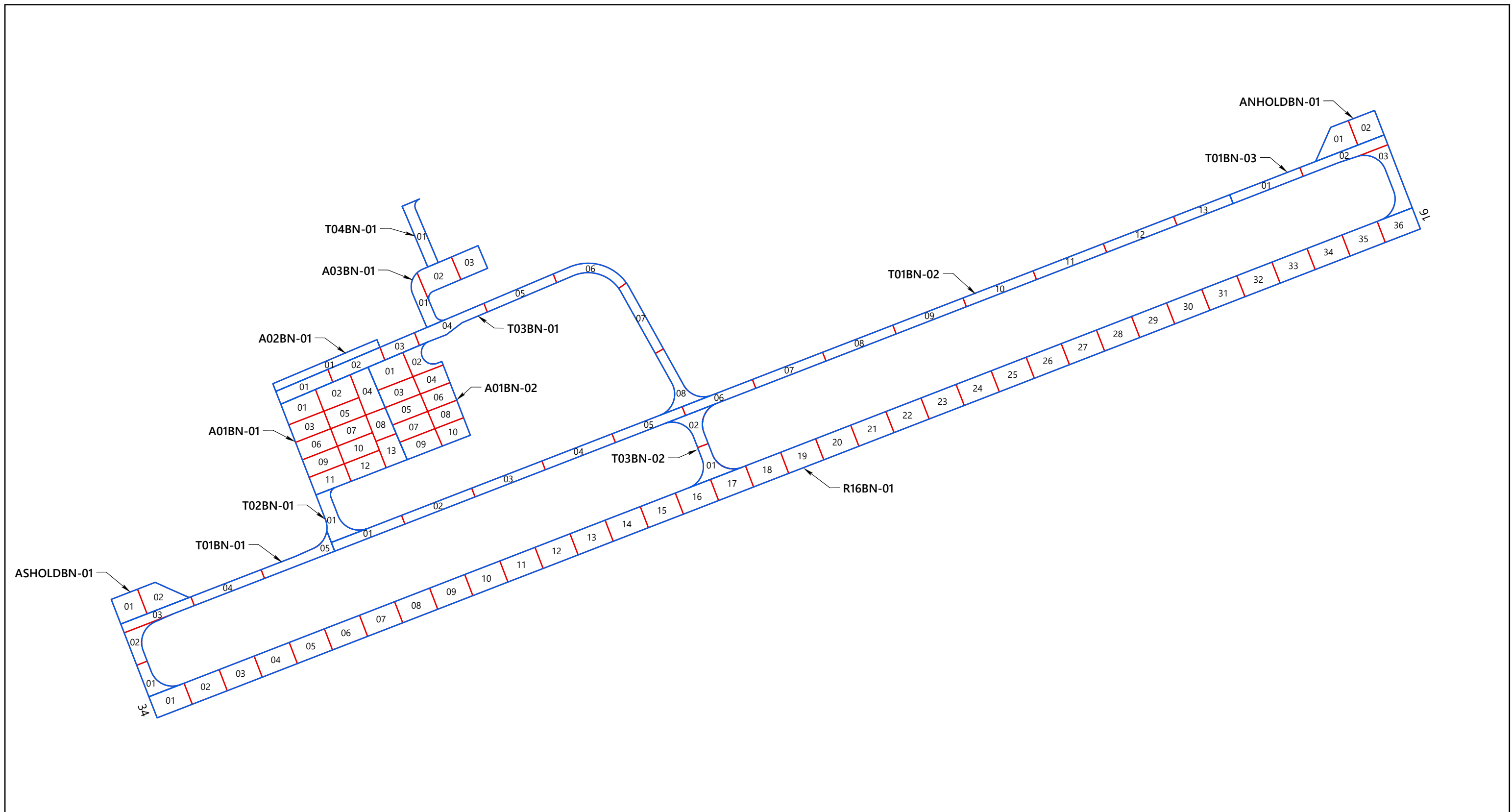
LCD = Last Construction Date. The date of the last major rehabilitation (e.g. overlay)

AC = Asphalt Concrete, AAC = AC overlaid AC

**Table 3A: EXAMPLE SAMPLE RATES FOR AC PAVEMENTS**

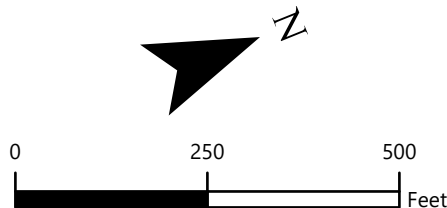
AC Sampling Rate	
Total Number of Sample Units, N	Sample Units to Survey, n
1	1
2-3	2
4-6	3
7-13	4
14-38	5
39+	6

**Note:** AC = Asphalt Concrete



**LEGEND**

- SECTION
- SAMPLE UNIT



**BANDON STATE AIRPORT  
SAMPLE UNIT LAYOUT**

## **APPENDIX B**

---

### *Pavement Condition Index Survey Results*

## APPENDIX B

### PAVEMENT CONDITION INDEX SURVEY RESULTS

#### B.1 METHODOLOGY

As previously discussed, the PCI is a measure of the pavement's functional surface condition and provides a methodology for assessing the causes of distress and whether the distress is related to a load or climatic conditions. Although the PCI is not a direct measure of structural capacity, it provides a suggestion of the structural needs of the pavement.

The PCI is based on the type, severity, and quantity of each distress found in an inspected sample unit. The results are displayed using a seven-category rating scale in accordance with ASTM D5340. Flexible pavement (e.g., AC and AAC) distress types are presented in Table 1B. A summary of the pavement condition results by branch and section is included in Tables 2B and 3B of Appendix B, respectively.

**Table 1B: PAVER DISTRESS CODES FOR FLEXIBLE PAVEMENT**

Flexible Pavement		
PAVER Code	Pavement Distress	Related Cause
41	Alligator Cracking	Load
42	Bleeding	Other
43	Block Cracking	Climate/ Durability
44	Corrugation	Other
45	Depression	Other
46	Jet Blast	Other
47	Joint Reflection Cracking	Climate/ Durability
48	Longitudinal & Transverse Cracking	Climate/ Durability
49	Oil Spillage	Other
50	Patching	Climate/ Durability
51	Polished Aggregate	Other
52	Raveling	Climate/ Durability
53	Rutting	Load
54	Shoving	Other
55	Slippage Cracking	Other
56	Swelling	Other
57	Weathering	Climate/ Durability

To obtain the section PCI, we extrapolated the PCI of each selected sample unit over the entire section area. Distresses found in sample units classified as “additional”– defined as nonrepresentative instead of random- are not extrapolated over the entire section but merely added to the extrapolated quantity. The PCI rating scale presented previously in Table 3-1 of Section 3.1 is based on ASTM D5340.

Section 4.1 of ASTM D5340, governing PCI surveys, offers this caution:

“The PCI is a numerical indicator that rates the surface condition of the pavement. The PCI provides a measure of the **present condition** of the pavement based on the distress observed on the surface of the pavement, which also indicates the structural integrity and surface operational condition (localized roughness and safety). The PCI **cannot** measure structural capacity, nor does it provide a direct measurement of skid resistance or roughness. It provides an objective and rational basis for determining maintenance and repair needs and priorities. Continuous monitoring of the PCI is used to establish the rate of pavement deterioration, which permits early identification of major rehabilitation needs. The PCI provides feedback on pavement performance for validation or improvement of current pavement design and maintenance procedures.”

Based on the limitations of the PCI method, it is imperative that engineers and planners treat the PCI as a tool that will assist them during the M&R planning process. Any major project should always be preceded by an up-to-date, detailed, 100% project-level inspection of the pavement in order to reevaluate maintenance needs prior to the project design process.

## B.2 DISTRESS TYPES

Distress tends to fall into one of the following four cause categories:

- **Load-related:** Flexible pavement distresses include alligator/fatigue cracking, corrugation, depression, polished aggregate, rutting, and slippage cracking.
- **Climate- and durability-related:** Flexible pavement distresses include bleeding, block cracking, joint reflection cracking, longitudinal and transverse (L&T) cracking, swelling, and raveling/weathering.
- **Moisture- and drainage-related:** Flexible pavement distresses include alligator/fatigue cracking, depressions, potholes, and swelling.
- **Other factors:** Includes oil spillage, bleeding, and patching.



As described above, distress may be the result of more than one cause. For example, depressions may be caused by incorrect compaction during construction or by subgrade softening due to environmental factors. In addition, distress may be initiated by one cause but may progress to a distress of higher severity by another cause. Therefore, engineering judgment is critical in analyzing the actual cause or causes of the distress.

### **B.3 PAVEMENT CONDITION INDEX SURVEY RESULTS**

The evaluated Bandon State Airport pavement network consists of 10 branches and 14 sections. A total of 38 sample units were visually inspected in the field. Data from the inspected sample units was input into the PAVER database, and a resultant PCI for each section was computed. Additional details regarding the PCI and distress types observed for each surveyed sample unit are provided in the re-inspection report, Table 1E, in Appendix E. Based on the 2023 PCI survey, the area-weighted average PCI for the entire pavement network at Bandon State Airport is approximately 80, which corresponds to a PCI rating of Satisfactory.

To investigate the rate of deterioration of each pavement section, we compared the PCI results from the 2023 survey to the PCI results from the previous inspection. The variation in PCI between inspections for Bandon State Airport pavement sections is outlined in Table 4B in this appendix.

**Table 2B: BANDON STATE AIRPORT CURRENT BRANCH CONDITION REPORT**

Branch ID	Number of Sections	Approximate Area, square feet	Use	Area Weighted Average Branch PCI	PCI Category
A01BN	2	114,514	APRON	69	Fair
A02BN	1	6,600	APRON	33	Very Poor
A03BN	1	15,991	APRON	53	Poor
ANHOLDBN	1	11,200	APRON	97	Good
ASHOLDBN	1	11,200	APRON	98	Good
R16BN	1	216,000	RUNWAY	94	Good
T01BN	3	105,123	TAXIWAY	78	Satisfactory
T02BN	1	5,818	TAXIWAY	79	Satisfactory
T03BN	2	49,977	TAXIWAY	56	Poor
T04BN	1	5,336	TAXIWAY	37	Very Poor

Use Category	Number of Sections	Total Area, square feet	Area Weighted Average PCI
APRON	6	159,505	70
RUNWAY	1	216,000	94
TAXIWAY	7	166,254	70
<b>ALL</b>	<b>14</b>	<b>541,759</b>	<b>80</b>

Abbreviation: PCI = Pavement Condition Index

**Table 3B: BANDON STATE AIRPORT 2023 PAVEMENT CONDITION INDEX SURVEY RESULTS**

BranchID	SectionID	Last Construction Date	Surface Type	Use	Last Inspection Date	Age at Inspection	PCI	PCI Category	PCI % Climate	PCI % Load	PCI % Other
A01BN	01	9/1/1990	AC	APRON	7/1/2023	33	67	Fair	100	0	0
A01BN	02	9/2/1990	AC	APRON	7/1/2023	33	74	Satisfactory	100	0	0
A02BN	01	9/2/1990	AC	APRON	7/1/2023	33	33	Very Poor	33	67	0
A03BN	01	9/2/1990	AC	APRON	7/1/2023	33	53	Poor	55	43	2
ANHOLDBN	01	9/3/1994	AC	APRON	7/1/2023	29	97	Good	100	0	0
ASHOLDBN	01	9/3/1994	AC	APRON	7/1/2023	29	98	Good	100	0	0
R16BN	01	9/3/1994	AC	RUNWAY	7/1/2023	29	94	Good	100	0	0
T01BN	01	9/3/1994	AC	TAXIWAY	7/1/2023	29	94	Good	100	0	0
T01BN	02	9/1/1996	AAC	TAXIWAY	7/1/2023	27	68	Fair	80	20	0
T01BN	03	9/3/1994	AC	TAXIWAY	7/1/2023	29	92	Good	100	0	0
T02BN	01	9/1/1990	AAC	TAXIWAY	7/1/2023	33	79	Satisfactory	100	0	0
T03BN	01	9/1/1990	AAC	TAXIWAY	7/1/2023	33	49	Poor	34	66	0
T03BN	02	9/3/1994	AC	TAXIWAY	7/1/2023	29	93	Good	100	0	0
T04BN	01	9/2/1990	AC	TAXIWAY	7/1/2023	33	37	Very Poor	37	61	2

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC

**Table 4B: BANDON STATE AIRPORT COMPARISON OF PREVIOUS INSPECTION AND 2023 RESULTS**

Branch ID	Section ID	Surface Type <sup>1</sup>	Approximate Area, square feet	LCD <sup>2</sup>	2019 Survey			2023 Survey				Rate of Deterioration
					PCI <sup>3</sup>	PCI Category	Inspection Date	PCI	PCI Category	Age <sup>4</sup>	$\Delta$ PCI/yr <sup>5</sup>	
A01BN	01	AC	67,194	9/1/90	72	Satisfactory	5/13/2019	67	Fair	29	-1.21	NORMAL
A01BN	02	AC	47,320	9/2/90	74	Satisfactory	5/13/2019	74	Satisfactory	29	0	NORMAL
A02BN	01	AC	6,600	9/2/90	48	Poor	5/13/2019	33	Very Poor	29	-3.60	NORMAL
A03BN	01	AC	15,991	9/2/90	50	Poor	5/13/2019	53	Poor	29	1	NONE
ANHOLDBN	01	AC	11,200	9/3/94	98	Good	5/13/2019	97	Good	25	-0.34	NORMAL
ASHOLDBN	01	AC	11,200	9/3/94	95	Good	5/13/2019	98	Good	25	1	NONE
R16BN	01	AC	216,000	9/3/94	95	Good	5/13/2019	94	Good	25	-0.19	NORMAL
T01BN	01	AC	22,892	9/3/94	95	Good	5/13/2019	94	Good	25	0	NORMAL
T01BN	02	AAC	64,000	9/1/96	73	Satisfactory	5/13/2019	68	Fair	23	-1.16	NORMAL
T01BN	03	AC	18,231	9/3/94	100	Good	5/13/2019	92	Good	25	-2	NORMAL
T02BN	01	AAC	5,818	9/1/90	78	Satisfactory	5/13/2019	79	Satisfactory	29	0.31	NONE
T03BN	01	AAC	41,412	9/1/90	77	Satisfactory	5/13/2019	49	Poor	29	-7	HIGH
T03BN	02	AC	8,565	9/3/94	90	Good	5/13/2019	93	Good	25	0.68	NONE
T04BN	01	AC	5,336	9/2/90	56	Fair	5/13/2019	37	Very Poor	29	-5	HIGH

Abbreviations:

<sup>1</sup> AC = Asphalt Concrete, AAC = Asphalt Overlay AC

<sup>2</sup> LCD = Last construction date. The date of the last major pavement rehabilitation (e.g. AC overlay)

<sup>3</sup> PCI = Pavement Condition Index

<sup>4</sup> Age = Pavement age in years at the time of the PCI survey in 2019

<sup>5</sup>  $\Delta$  PCI/yr = Change in PCI points per year between 2019 survey and 2023 survey

---

## **APPENDIX C**

### *Future Pavement Condition Analysis*

## APPENDIX C

### PAVEMENT CONDITION ANALYSIS

#### C.1 METHODOLOGY

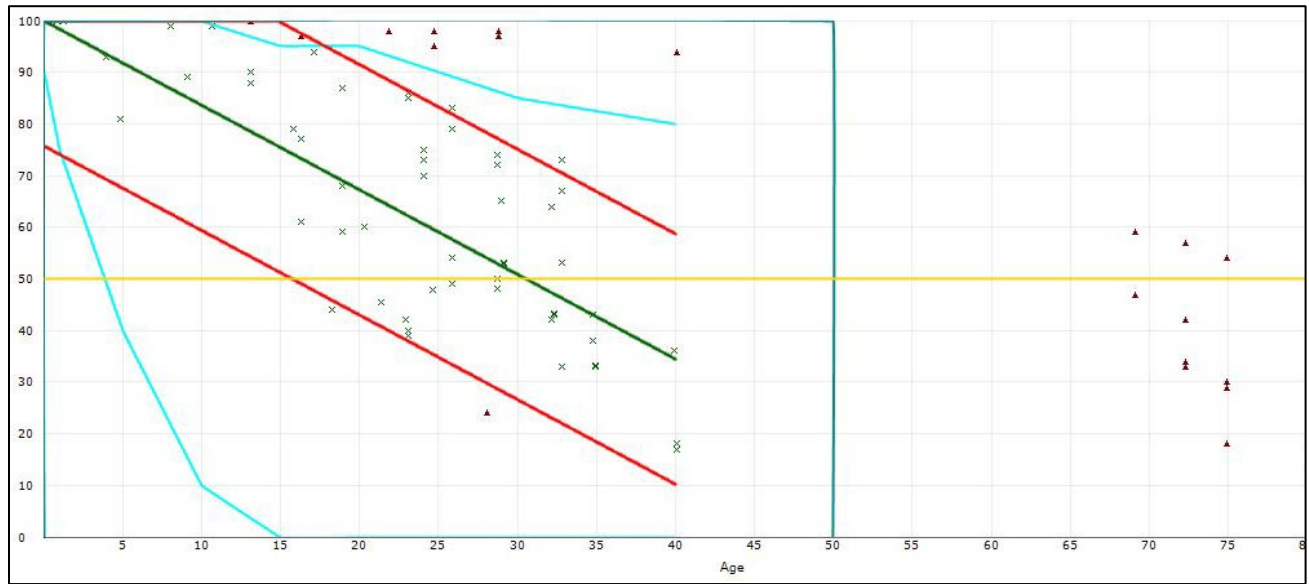
In addition to assessing the current condition of a pavement, it is very important from a planning standpoint to be able to predict with reasonable accuracy its future condition. In a pavement management plan (PMP), this is done with the aid of a prediction model. When an APMS is initially implemented, the default models are typically used to predict the future condition of a pavement. However, after PCI surveys are completed, the historical data are then used to refine the models, so they better represent the deterioration of a particular class of pavement based on local climatic conditions, loading, material sources, construction procedures, etc. The importance of accurate prediction models is part of the reason it is essential to conduct periodic, routine surveys in order to track the rate of deterioration.

In PAVER, the pavement deterioration curves are developed based on the “family” model procedure. A pavement “family” is defined as a group of pavements with similar deterioration characteristics. The procedure for developing the prediction models is:

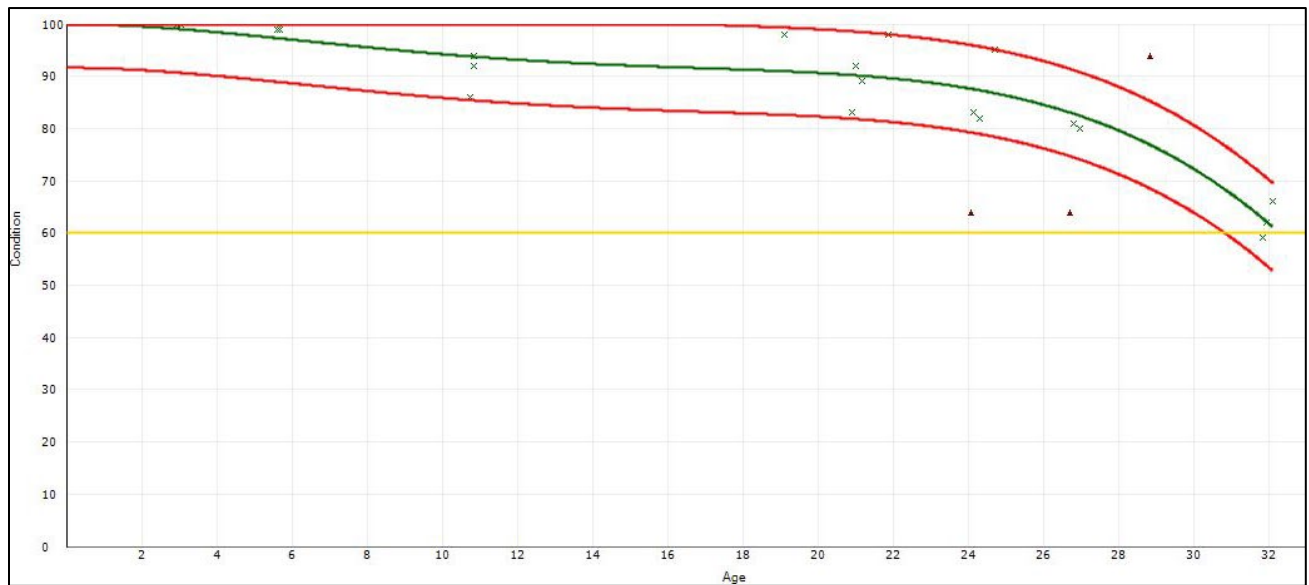
- 1) Define the pavement families.
- 2) Review the data.
- 3) Conduct a data-outlier analysis.
- 4) Model the data.

#### C.2 PREDICTION MODELS

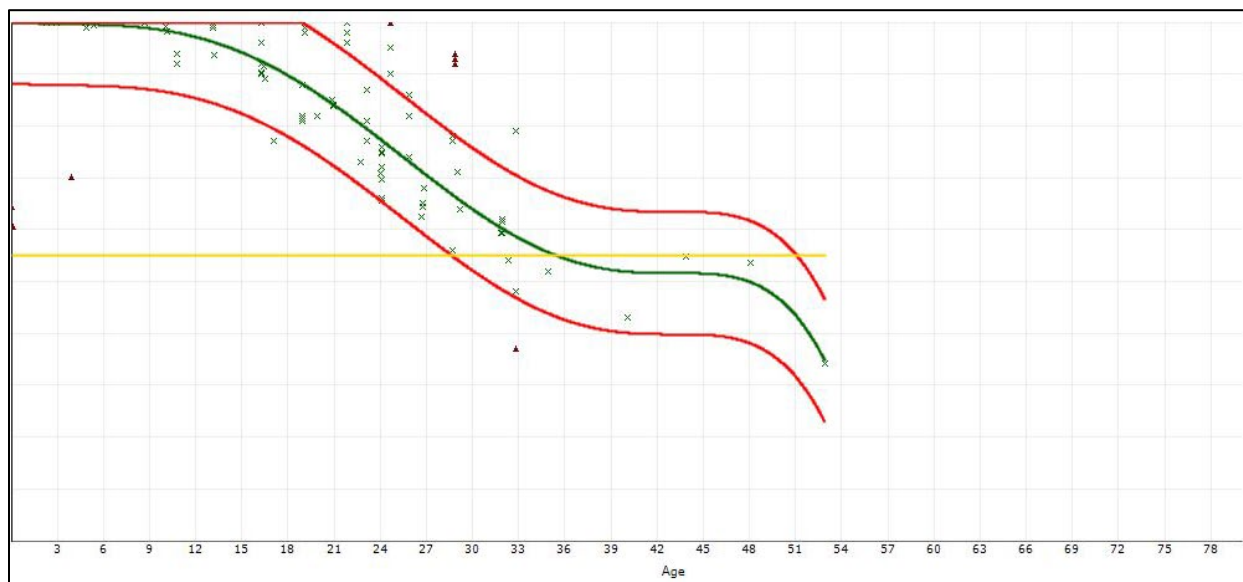
We developed separate condition prediction models for each pavement “family” at Bandon State Airport. The delineation is based on branch use, surface type, section rank, and structural design life. We use three distinct models for the following “families” of pavements at Bandon State Airport. For each model, we reviewed the data in order to filter out any inconsistent or inaccurate data or any data that fell outside boundary values set by PAVER. After outliers are removed and the data are checked for accuracy and reasonableness, the PAVER program calculates a best-fit curve using a polynomial-constrained, least-squares analysis procedure. This best-fit curve for each family is used in the analysis to predict the average behavior of all sections within each “family.” Our condition prediction models for each “family” are provided on Figures 1C through 3C below.



**Figure 1C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 3 AC APRONS**



**Figure 2C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 3 AC RUNWAYS**



**Figure 3C: CONDITION PREDICTION MODEL FOR NORTHWESTERN CATEGORY 3 AC TAXIWAYS**

### C.3 CRITICAL PCI

Each of the condition-prediction models has an assigned critical PCI. The critical PCI is the point at which the pavement condition begins to deteriorate more quickly over time. As the condition deteriorates to a worse state, major M&R (rehabilitation/reconstruction) is triggered because the cost to apply localized M&R increases significantly. Pavement sections with PCI above the critical value are given a higher priority for funding during budget analysis in order to prevent them from deteriorating to the point where more costly rehabilitation is necessary. We used the following critical PCI values at Bandon State Airport:

- Runways – 60
- Taxiways/Taxilanes – 55
- Aprons – 50

### C.4 FUTURE CONDITION ANALYSIS

As previously discussed, the projected condition of each pavement section was determined for 5- and 10-year periods. The projected pavement conditions in 5 years and 10 years for each pavement section at Bandon State Airport, along with the conditions at the previous inspection, are listed in Table 1C.

### C.5 FUNCTIONAL REMAINING LIFE

As mentioned above, functional remaining life is the practical amount of time a pavement is in service before requiring rehabilitation, as estimated based solely on visual condition.



This is not to be confused with structural remaining life, which requires analysis of the structural capacity of a pavement.

We calculated two forms of functional remaining life based on the current visual condition surveys of the pavement at Bandon State Airport: the time until rehabilitation and the time until the pavement is no longer operational due to high foreign object debris potential and increased safety concerns for trafficking aircraft (PCI less than 40). The results of the functional life analysis are provided in Table 2C.

**Table 1C: PAST, PRESENT AND FUTURE PCI**

BranchID	SectionID	Past Inspection PCI	Current PCI	Predicted Future PCI	
		2019	2023	2028	2033
A01BN	01	72	67	59	51
A01BN	02	74	74	65	57
A02BN	01	48	33	25	17
A03BN	01	50	53	45	37
ANHOLDBN	01	98	97	88	80
ASHOLDBN	01	95	98	90	82
R16BN	01	95	94	92	91
T01BN	01	95	94	86	75
T01BN	02	73	68	58	53
T01BN	03	100	92	83	72
T02BN	01	78	79	68	58
T03BN	01	77	49	30	10
T03BN	02	90	93	84	73
T04BN	01	56	37	16	0

Abbreviation: PCI = Pavement Condition Index

**Table 2C: BANDON STATE AIRPORT FUNCTIONAL REMAINING LIFE ANALYSIS**

Branch ID	Section ID	Surface Type	Current PCI	Years to Major M&R	Major M&R Trigger PCI <sup>1</sup>	Years to End of Functional Service Life
A01BN	01	AC	67	6 - 10	50	16 - 20
A01BN	02	AC	73.5	11 - 15	50	> 20
A02BN	01	AC	33.1	0 - 5	50	0 - 5
A03BN	01	AC	53.3	0 - 5	50	6 - 10
ANHOLDBN	01	AC	96.6	> 20	50	> 20
ASHOLDBN	01	AC	98	> 20	50	> 20
R16BN	01	AC	94.2	> 20	60	> 20
T01BN	01	AC	93.9	> 20	55	> 20
T01BN	02	AAC	68.2	6 - 10	55	> 20
T01BN	03	AC	92.4	> 20	55	> 20
T02BN	01	AAC	79.3	11 - 15	55	> 20
T03BN	01	AAC	48.5	0 - 5	55	0 - 5
T03BN	02	AC	92.8	> 20	55	> 20
T04BN	01	AC	37	0 - 5	55	0 - 5

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC,

<sup>1</sup> Major M&R (Maintenance and Rehabilitation) Trigger PCI = Critical PCI

## **APPENDIX D**

---

### *Unit Cost Data and Maintenance and Rehabilitation Plan*

## APPENDIX D

### UNIT COST DATA AND MAINTENANCE AND REHABILITATION PLAN

#### D.1 ANALYSIS METHODOLOGY

We evaluated the M&R needs, as determined from the PAVER analysis results, in order to develop project recommendations for the next five years. The purpose of this analysis is to determine the M&R needs of the Bandon State Airport pavement network condition over time. We used PAVER v7.1.1 software to develop network-level project recommendations for the next five years.

The PAVER M&R Work Planning Module identifies when and where M&R is required and how much it will cost. M&R plans can be developed either by assuming an annual budget or by identifying specific constraints, such as a condition goal, to determine the budget required to meet the goal. The M&R work planning analysis was based on a five-year period beginning on August 1, 2024. A backlog elimination analysis scenario was selected to generate a list of surface treatment, rehabilitation, and reconstruction projects in order to optimize the allocation of capital and establish preservation-based project recommendations. The repair strategies considered for pavement sections in our analysis are as follows:

- Reconstruction – Considered for pavements with a PCI less than 40.
- Rehabilitation (AC Overlay) – Considered for pavements between 40 PCI and the critical PCI and for pavements exhibiting significant load-related distresses.
- Surface Treatment – Treatments (fog seal, slurry seal, thin AC overlay) are applied to an entire pavement section with the intent of slowing the rate of deterioration.
- Localized Maintenance – Maintenance performed on a routine basis, such as crack sealing, wide crack repair, and patching.

It should be noted that the five-year list of recommended projects only includes the highest-cost maintenance items and does not include routine localized maintenance (e.g., crack sealing) work that should also be conducted in addition to and concurrently with the five-year work plan.

##### D.1.1 Pavement Rank and Use Prioritization

Pavement sections are assigned a rank to establish their relative importance in the overall pavement network, which is most commonly defined by their use (e.g., Taxiway, Apron, Runway). The PAVER analysis uses the combination of the section rank and the branch use

to define the priority of each section during the M&R analysis. Table 1D displays the branch use and section rank prioritization schema we used for analysis.

**Table 1D: M&R WORK PRIORITY BY BRANCH USE AND SECTION RANK**

Branch Use	Section Rank		
	Primary	Secondary	Tertiary
RUNWAY	1	3	6
TAXIWAY	2	5	8
APRON	4	7	9

## D.2 MAINTENANCE POLICIES AND UNIT COSTS

Distress-maintenance policies are policies that determine what type of work should be applied to a specific distress type and severity. For example, on an AC pavement, a medium-severity longitudinal/transverse crack would be repaired by crack sealing. Policies for all the distress types and severities are established by ASTM D5340.

Although our work scope does not include budget analysis, we did assign construction costs to the maintenance work so that PAVER would allocate M&R projects that were approximately equal in costs for each year of the five-year period. The anticipated cost of performing M&R is based on cost tables that relate M&R work type costs to PCI. We reviewed the unit costs from the 2019 report and updated them by reviewing the bid tabulations for recent projects within the vicinity of Bandon State Airport and information provided by the ODAV Pavement Maintenance Program (PMP) project team. The costs for reconstruction are based on the existing pavement sections present within each branch use at Bandon State Airport. The costs represent the fully-loaded costs and include aspects of the project such as administration, contingencies, mobilization, and striping. The cost tables used in the analysis are presented in Table 2D below.

**Table 2D: REGION 1 UNIT COST DATA**

Type of M&R	Work Type	Unit Cost	Work Unit
Major M&R	Complete Reconstruction with AC	\$17.32	Sq Ft
	Cold Mill and Overlay – 2 Inches Thick	\$7.64	Sq Ft
Surface Treatment (Global) M&R	Surface Treatment - Slurry Seal	\$0.52	Sq Ft
	Surface Treatment - Fog Seal	\$0.31	Sq Ft
Localized Preventive M&R	Crack Sealing - AC	\$3.12	Ft
	Crack Sealing - PCC	\$23.4	Ft
	Crack Sealing – Wide Cracks	\$51.48	Ft
	Joint Sealing – PCC	\$7.80	Ft
	AC Patching – Full Depth	\$78.00	Sq Ft
	PCC Patching – Full Depth	\$156.00	Sq Ft

### **D.3 RECOMMENDED LOCALIZED MAINTENANCE**

In order to properly maintain aging pavements, localized M&R activities such as crack sealing and patching should be performed on a routine basis. A list of recommended localized maintenance activities is provided in Table 3D of this appendix.

### **D.4 RECOMMENDED SURFACE TREATMENT, REHABILITATION, AND RECONSTRUCTION PROJECTS**

Surface treatment, rehabilitation, and reconstruction projects refer to activities such as slurry seal/fog seals, AC overlays, and reconstruction. A list of recommended projects is provided in Table 4D of this appendix.

**Table 3D: BANDON STATE AIRPORT NETWORK MAINTENANCE REPORT**

Branch ID	Section ID	Distress	Severity	Action	Work Quantity	Unit	Unit Cost	Work Cost	Section Total
A01BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	9,737	Ft	\$3.12	\$30,378	\$30,378
A01BN	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	3,982	Ft	\$3.12	\$12,424	\$12,424
A02BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	286	Ft	\$3.12	\$892	\$63,607
A02BN	01	Alligator Cracking	Medium	Patching - AC Deep	804	SqFt	\$78.00	\$62,714	
A03BN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	87	Ft	\$3.12	\$272	\$23,401
A03BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	492	Ft	\$3.12	\$1,535	
A03BN	01	Alligator Cracking	Medium	Patching - AC Deep	277	SqFt	\$78.00	\$21,594	
ANHOLDBN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	29	Ft	\$3.12	\$90	\$90
ASHOLDBN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	32	Ft	\$3.12	\$100	\$100
R16BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	1,944	Ft	\$3.12	\$6,065	\$6,533
R16BN	01	Long. & Trans. Cracking	Medium	Crack Sealing - AC	150	Ft	\$3.12	\$468	
T01BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	275	Ft	\$3.12	\$857	\$857
T01BN	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	480	Ft	\$3.12	\$1,498	\$22,692
T01BN	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	6,279	Ft	\$3.12	\$19,589	
T01BN	02	Alligator Cracking	Medium	Patching - AC Deep	20	SqFt	\$78.00	\$1,605	
T01BN	03	Long. & Trans. Cracking	Low	Crack Sealing - AC	52	Ft	\$3.12	\$162	\$205
T01BN	03	Long. & Trans. Cracking	Medium	Crack Sealing - AC	14	Ft	\$3.12	\$43	
T02BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	316	Ft	\$3.12	\$986	\$986
T03BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	2,683	Ft	\$3.12	\$8,371	\$118,897
T03BN	01	Alligator Cracking	Medium	Patching - AC Deep	1,394	SqFt	\$78.00	\$108,689	
T03BN	01	Alligator Cracking	High	Patching - AC Deep	24	SqFt	\$78.00	\$1,837	
T03BN	02	Long. & Trans. Cracking	Low	Crack Sealing - AC	29	Ft	\$3.12	\$90	\$169
T03BN	02	Long. & Trans. Cracking	Medium	Crack Sealing - AC	25	Ft	\$3.12	\$78	
T04BN	01	Long. & Trans. Cracking	Low	Crack Sealing - AC	163	Ft	\$3.12	\$509	\$34,857
T04BN	01	Alligator Cracking	Medium	Patching - AC Deep	440	SqFt	\$78.00	\$34,349	

Abbreviations:

Long. = Longitudinal; Trans. = Transverse; AC = Asphalt Concrete; Ft = Feet; SqFt = Square Feet



**Table 4D: FIVE-YEAR GLOBAL MAINTENANCE AND REHABILITATION PLAN**

Action Year	Branch ID	Section ID	Branch Use	Surface Type	Current PCI	Action	Area, square feet	Unit Cost per square foot	Total Cost
2024	A01BN	01	APRON	AC	67	Fog Seal	67,194	\$0.31	\$20,830
	A01BN	02	APRON	AC	74	Fog Seal	47,320	\$0.31	\$14,669
2025	A03BN	01	APRON	AC	53	Overlay	15,991	\$7.64	\$122,177
	T03BN	01	TAXIWAY	AAC	49	Overlay	41,412	\$14.42	\$316,388
2027	A02BN	01	APRON	AC	33	Reconstruction	6,600	\$17.32	\$114,312
	T04BN	01	TAXIWAY	AC	37	Reconstruction	5,336	\$17.32	\$40,767
2028	T01BN	01	TAXIWAY	AAC	94	Slurry Seal	22,892	\$0.52	\$11,904
	T01BN	02	TAXIWAY	AAC	68	Slurry Seal	64,000	\$0.52	\$33,280
	T01BN	03	TAXIWAY	AC	92	Slurry Seal	18,231	\$0.52	\$9,480
	T02BN	01	TAXIWAY	AAC	79	Slurry Seal	5,818	\$0.52	\$3,025
	T03BN	02	TAXIWAY	AC	93	Slurry Seal	8,565	\$0.52	\$4,454

Abbreviations:

PCI = Pavement Condition Index, AC = Asphalt Concrete, AAC = AC overlaid AC

Cost Summary	
2024 Total Project Cost	\$35,499
2025 Total Project Cost	\$438,564
2026 Total Project Cost	\$0
2027 Total Project Cost	\$155,079
2028 Total Project Cost	\$62,143
<b>Total 5-Year Project Cost</b>	<b>\$691,285</b>

---

## **APPENDIX E**

### *Reinspection Report*

# Re-Inspection Report

ODA\_2023Survey\_11-21-23

Generated Date

12/5/2023

Page 1 of 14

Network:		Bandon		Name:		Bandon State						
Branch:	A01BN		Name:	Apron 01 Bandon		Use:	APRON	Area:	114,514 SqFt			
Section:	01	of 2		From:	Taxiway 02		To:	Taxiway 03		Last Const.:	9/1/1990	
Surface:	AC	Family:	2023_Region1_Cat3_Apron_AC		Zone:	S05		Category:	D		Rank:	P
Area:	67,194 SqFt		Length:	259 Ft		Width:	260 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	9/1/1970		Work Type: Base Course - Unknown (Major MR)				Code:	BA-UN		Is Major M&R: True		
Work Date:	9/2/1970		Work Type: Surface Course - BST				Code:	SU-SB		Is Major M&R: True		
Work Date:	9/1/1990		Work Type: Overlay - AC Thin				Code:	OL-AT		Is Major M&R: True		
Work Date:	9/1/2000		Work Type: Surface Seal - Fog Seal				Code:	SS-FS		Is Major M&R: False		
Work Date:	9/1/2003		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Work Date:	9/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Work Date:	9/2/2006		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R: False		
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Last Insp. Date:	7/1/2023		Total Samples:	13		Surveyed:	4					
Conditions:	PCI: 67											
Inspection Comments:												
Sample Number:	01	Type:	R	Area:	6021.00 SqFt		PCI:	65				
Sample Comments:												
48	L & T CR	L	25.00 Ft									
48	L & T CR	L	405.00 Ft									
48	L & T CR	L	577.00 Ft									
57	WEATHERING	L	6021.00 SqFt									
Sample Number:	04	Type:	R	Area:	5000.00 SqFt		PCI:	69				
Sample Comments:												
48	L & T CR	L	279.00 Ft									
48	L & T CR	L	351.00 Ft									
57	WEATHERING	L	5000.00 SqFt									
Sample Number:	07	Type:	R	Area:	5000.00 SqFt		PCI:	63				
Sample Comments:												
48	L & T CR	L	400.00 Ft									
48	L & T CR	L	363.00 Ft									
48	L & T CR	L	162.00 Ft									
57	WEATHERING	L	5000.00 SqFt									
Sample Number:	09	Type:	R	Area:	5000.00 SqFt		PCI:	72				
Sample Comments:												
48	L & T CR	L	273.00 Ft									
48	L & T CR	L	211.00 Ft									
57	WEATHERING	L	5000.00 SqFt									

Network:	Bandon		Name:	Bandon State					
Branch:	A01BN		Name:	Apron 01 Bandon		Use:	APRON	Area:	114,514 SqFt
Section:	02	of 2	From:	A01BN-01			To:	Taxiway 03	Last Const.: 9/2/1990
Surface:	AC	Family:	2023_Region1_Cat3_Apron_AC	Zone:	S05	Category:	D	Rank:	P
Area:	47,320 SqFt		Length:	267 Ft		Width:	180 Ft		
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft
Shoulder:	Street Type:		Grade:		0		Lanes:	0	
Section Comments:									
Work Date:	9/1/1990		Work Type: Base Course - Aggregate				Code:	BA-AG	Is Major M&R: False
Work Date:	9/2/1990		Work Type: New Construction - AC				Code:	NC-AC	Is Major M&R: True
Work Date:	9/1/2000		Work Type: Surface Seal - Fog Seal				Code:	SS-FS	Is Major M&R: False
Work Date:	9/1/2003		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/2/2006		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS	Is Major M&R: False
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/1/2017		Work Type: Patching - AC Full Depth				Code:	PA-AF	Is Major M&R: False
Last Insp. Date:	7/1/2023		TotalSamples:	10		Surveyed:	4		
Conditions:	PCI: 73								
Inspection Comments:									
Sample Number:	03	Type:	R	Area:	5000.00 SqFt		PCI:	72	
Sample Comments:									
48	L & T CR	L	50.00 Ft						
48	L & T CR	L	448.00 Ft						
57	WEATHERING	L	5000.00 SqFt						
Sample Number:	05	Type:	R	Area:	5000.00 SqFt		PCI:	71	
Sample Comments:									
48	L & T CR	L	444.00 Ft						
50	PATCHING	L	25.00 SqFt						
57	WEATHERING	L	5000.00 SqFt						
Sample Number:	07	Type:	R	Area:	5000.00 SqFt		PCI:	75	
Sample Comments:									
48	L & T CR	L	145.00 Ft						
48	L & T CR	L	50.00 Ft						
48	L & T CR	L	185.00 Ft						
57	WEATHERING	L	5000.00 SqFt						
Sample Number:	10	Type:	R	Area:	4037.00 SqFt		PCI:	76	
Sample Comments:									
48	L & T CR	L	280.00 Ft						
57	WEATHERING	L	4037.00 SqFt						

<b>Network:</b>		Bandon		<b>Name:</b>		Bandon State					
<b>Branch:</b>	A02BN		<b>Name:</b>	Apron 02 Bandon		<b>Use:</b>	APRON	<b>Area:</b>	6,600 SqFt		
<b>Section:</b>	01	of	1	<b>From:</b>	Taxiway 03		<b>To:</b>	Hangars	<b>Last Const.:</b>	9/2/1990	
<b>Surface:</b>	AC	<b>Family:</b>	2023_Region1_Cat3_Apron_AC		<b>Zone:</b>	S05	<b>Category:</b>	D	<b>Rank:</b>	S	
<b>Area:</b>	6,600 SqFt		<b>Length:</b>	300 Ft		<b>Width:</b>	22 Ft				
<b>Slabs:</b>	<b>Slab Length:</b>		Ft		<b>Slab Width:</b>	Ft		<b>Joint Length:</b>	Ft		
<b>Shoulder:</b>	<b>Street Type:</b>				<b>Grade:</b>	0		<b>Lanes:</b>	0		
<b>Section Comments:</b>											
<b>Work Date:</b>	9/1/1990		<b>Work Type:</b> Base Course - Aggregate				<b>Code:</b>	BA-AG		<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	9/2/1990		<b>Work Type:</b> New Construction - AC				<b>Code:</b>	NC-AC		<b>Is Major M&amp;R:</b>	True
<b>Work Date:</b>	9/1/2000		<b>Work Type:</b> Surface Seal - Fog Seal				<b>Code:</b>	SS-FS		<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	9/1/2006		<b>Work Type:</b> Crack Sealing - AC				<b>Code:</b>	CS-AC		<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	9/2/2006		<b>Work Type:</b> Surface Treatment - Slurry Seal				<b>Code:</b>	ST-SS		<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	9/1/2017		<b>Work Type:</b> Crack Sealing - AC				<b>Code:</b>	CS-AC		<b>Is Major M&amp;R:</b>	False
<b>Work Date:</b>	9/2/2017		<b>Work Type:</b> Patching - AC Full Depth				<b>Code:</b>	PA-AF		<b>Is Major M&amp;R:</b>	False
<b>Last Insp. Date:</b>	7/1/2023		<b>TotalSamples:</b>	1		<b>Surveyed:</b>	1				
<b>Conditions:</b>	PCI: 33										
<b>Inspection Comments:</b>											
<b>Sample Number:</b>	01	<b>Type:</b>	R	<b>Area:</b>	6600.00 SqFt		<b>PCI:</b>	33			
<b>Sample Comments:</b>											
41	ALLIGATOR CR		M	220.00	SqFt						
41	ALLIGATOR CR		M	474.00	SqFt						
48	L & T CR		L	140.00	Ft						
48	L & T CR		L	146.00	Ft						
50	PATCHING		L	360.00	SqFt						
50	PATCHING		L	216.00	SqFt						
50	PATCHING		L	146.00	SqFt						

<b>Network:</b>	Bandon		<b>Name:</b>	Bandon State								
<b>Branch:</b>	A03BN		<b>Name:</b>	Apron 03 Bandon		<b>Use:</b>	APRON	<b>Area:</b>	15,991 SqFt			
<b>Section:</b>	01	of 1	<b>From:</b>	Taxiway 03			<b>To:</b>	Taxiway 04		<b>Last Const.:</b>	9/2/1990	
<b>Surface:</b>	AC	<b>Family:</b>	2023_Region1_Cat3_Apron_AC	<b>Zone:</b>	S05			<b>Category:</b>	D		<b>Rank:</b>	S
<b>Area:</b>	15,991 SqFt		<b>Length:</b>	210 Ft		<b>Width:</b>	65 Ft					
<b>Slabs:</b>	<b>Slab Length:</b>		Ft	<b>Slab Width:</b>		Ft	<b>Joint Length:</b>		Ft			
<b>Shoulder:</b>	<b>Street Type:</b>		<b>Grade:</b>		0			<b>Lanes:</b>		0		
<b>Section Comments:</b>												
<b>Work Date:</b>	9/1/1990		<b>Work Type:</b> Base Course - Aggregate				<b>Code:</b>	BA-AG		<b>Is Major M&amp;R:</b> False		
<b>Work Date:</b>	9/2/1990		<b>Work Type:</b> New Construction - AC				<b>Code:</b>	NC-AC		<b>Is Major M&amp;R:</b> True		
<b>Last Insp. Date:</b>	7/1/2023		<b>TotalSamples:</b>	3		<b>Surveyed:</b>	2					
<b>Conditions:</b>	PCI:	53										
<b>Inspection Comments:</b>												
<b>Sample Number:</b>	01	<b>Type:</b>	R	<b>Area:</b>	4417.00 SqFt			<b>PCI:</b>	46			
<b>Sample Comments:</b>												
41	ALLIGATOR CR		M	96.00	SqFt							
41	ALLIGATOR CR		M	3.00	SqFt							
45	DEPRESSION		L	20.00	SqFt							
48	L & T CR		L	166.00	Ft							
50	PATCHING		L	42.00	SqFt							
57	WEATHERING		M	4417.00	SqFt							
<b>Sample Number:</b>	02	<b>Type:</b>	R	<b>Area:</b>	6569.00 SqFt			<b>PCI:</b>	58			
<b>Sample Comments:</b>												
41	ALLIGATOR CR		M	24.00	SqFt							
41	ALLIGATOR CR		M	24.00	SqFt							
45	DEPRESSION		L	12.00	SqFt							
48	L & T CR		L	64.00	Ft							
48	L & T CR		L	108.00	Ft							
48	L & T CR		M	60.00	Ft							
57	WEATHERING		M	6569.00	SqFt							

Network:	Bandon			Name:	Bandon State						
Branch:	ANHOLDBN		Name:	North Hold Apron Bandon		Use:	APRON	Area:	11,200 SqFt		
Section:	01	of	1	From:	T01BN-03			To:	West	Last Const.:	9/3/1994
Surface:	AC	Family:	2023_Region1_Cat3_Apron_AC	Zone:	S05			Category:	D	Rank:	P
Area:	11,200 SqFt		Length:	160 Ft		Width:	70 Ft				
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft	
Shoulder:			Street Type:			Grade:	0		Lanes:	0	
Section Comments:											
Work Date:	9/1/1994		Work Type: Subbase - Aggregate				Code:	SB-AG		Is Major M&R: False	
Work Date:	9/2/1994		Work Type: Base Course - Aggregate				Code:	BA-AG		Is Major M&R: False	
Work Date:	9/3/1994		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R: True	
Work Date:	9/1/2003		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R: False	
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Last Insp. Date:	7/1/2023		TotalSamples:	2		Surveyed:		2			
Conditions:	PCI: 97										
Inspection Comments:											
Sample Number:	01	Type:	R	Area:	5950.00 SqFt			PCI:	96		
Sample Comments:											
48	L & T CR		L	19.00 Ft							
Sample Number:	02	Type:	R	Area:	5250.00 SqFt			PCI:	97		
Sample Comments:											
48	L & T CR		L	10.00 Ft							

Network:	Bandon			Name:	Bandon State					
Branch:	ASHOLDBN		Name:	South Hold Apron Bandon		Use:	APRON	Area:	11,200 SqFt	
Section:	01	of	1	From:	T01BN-01		To:	West	Last Const.:	9/3/1994
Surface:	AC	Family:	2023_Region1_Cat3_Apron_AC	Zone:	S05		Category:	D	Rank:	P
Area:	11,200 SqFt	Length:	160 Ft	Width:	70 Ft					
Slabs:		Slab Length:	Ft	Slab Width:	Ft		Joint Length:		Ft	
Shoulder:		Street Type:		Grade:	0		Lanes:	0		
Section Comments:										
Work Date:	9/1/1994	Work Type:	Subbase - Aggregate			Code:	SB-AG	Is Major M&R:	False	
Work Date:	9/2/1994	Work Type:	Base Course - Aggregate			Code:	BA-AG	Is Major M&R:	False	
Work Date:	9/3/1994	Work Type:	New Construction - AC			Code:	NC-AC	Is Major M&R:	True	
Work Date:	8/31/2003	Work Type:	Crack Sealing - AC			Code:	CS-AC	Is Major M&R:	False	
Work Date:	9/1/2003	Work Type:	Surface Treatment - Slurry Seal			Code:	ST-SS	Is Major M&R:	False	
Work Date:	6/1/2011	Work Type:	Crack Sealing - AC			Code:	CS-AC	Is Major M&R:	False	
Work Date:	9/1/2014	Work Type:	Crack Sealing - AC			Code:	CS-AC	Is Major M&R:	False	
Last Insp. Date:	7/1/2023	TotalSamples:	2	Surveyed:	2					
Conditions:	PCI:	98								
Inspection Comments:										
Sample Number:	01	Type:	R	Area:	5250.00 SqFt		PCI:	96		
Sample Comments:										
48	L & T CR	L	32.00	Ft						
Sample Number:	02	Type:	R	Area:	5950.00 SqFt		PCI:	100		
Sample Comments:										
<No Distress>										



Network:	Bandon		Name:	Bandon State								
Branch:	R16BN		Name:	Runway 16/34 Bandon		Use:	RUNWAY		Area:	216,000 SqFt		
Section:	01	of 1	From:	Runway 34 End			To:	Runway 16 End		Last Const.:	9/3/1994	
Surface:	AC	Family:	2023_Region1_Cat3_Runway_AC		Zone:	S05		Category:	D		Rank:	P
Area:	216,000 SqFt		Length:	3,600 Ft		Width:	60 Ft					
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft			
Shoulder:	Street Type:		Grade:		0		Lanes:	0				
Section Comments:												
Work Date:	9/1/1994		Work Type: Subbase - Aggregate				Code:	SB-AG		Is Major M&R:	False	
Work Date:	9/2/1994		Work Type: Base Course - Aggregate				Code:	BA-AG		Is Major M&R:	False	
Work Date:	9/3/1994		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R:	True	
Work Date:	9/1/2003		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R:	False	
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Last Insp. Date:	7/1/2023		TotalSamples:	36		Surveyed:	6					
Conditions:	PCI:	94										
Inspection Comments:												
Sample Number:	01	Type:	R	Area:	6000.00 SqFt		PCI:	97				
Sample Comments:												
48	L & T CR		L	9.00 Ft								
Sample Number:	08	Type:	R	Area:	6000.00 SqFt		PCI:	95				
Sample Comments:												
48	L & T CR		L	17.00 Ft								
48	L & T CR		L	41.00 Ft								
Sample Number:	17	Type:	R	Area:	6000.00 SqFt		PCI:	90				
Sample Comments:												
48	L & T CR		L	6.00 Ft								
48	L & T CR		L	14.00 Ft								
48	L & T CR		M	25.00 Ft								
Sample Number:	24	Type:	R	Area:	6000.00 SqFt		PCI:	96				
Sample Comments:												
48	L & T CR		L	30.00 Ft								
Sample Number:	31	Type:	R	Area:	6000.00 SqFt		PCI:	93				
Sample Comments:												
48	L & T CR		L	109.00 Ft								
Sample Number:	36	Type:	R	Area:	6000.00 SqFt		PCI:	94				
Sample Comments:												
48	L & T CR		L	98.00 Ft								

Network:	Bandon			Name:	Bandon State						
Branch:	T01BN		Name:	Taxiway 01 Bandon		Use:	TAXIWAY	Area:	105,123 SqFt		
Section:	03	of	3	From:	T01BN-02		To:	Runway 16 End		Last Const.:	9/3/1994
Surface:	AC	Family:	2023_Region1_Cat3_Taxi way_AC	Zone:	S05		Category:	D		Rank:	P
Area:	18,231 SqFt		Length:	620 Ft		Width:	25 Ft				
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:		Ft
Shoulder:	Street Type:		Grade:		0		Lanes:		0		
Section Comments:											
Work Date:	9/1/1994		Work Type: Subbase - Aggregate				Code:	SB-AG		Is Major M&R: False	
Work Date:	9/2/1994		Work Type: Base Course - Aggregate				Code:	BA-AG		Is Major M&R: False	
Work Date:	9/3/1994		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R: True	
Work Date:	9/1/2003		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Work Date:	9/1/2003		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R: False	
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Work Date:	9/1/2017		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False	
Last Insp. Date:	7/1/2023		TotalSamples:	3		Surveyed:		2			
Conditions:	PCI: 92										
Inspection Comments:											
Sample Number:	01		Type:	R		Area:	5000.00 SqFt		PCI: 95		
Sample Comments:											
48	L & T CR		L	14.00 Ft							
57	WEATHERING		L	500.00 SqFt							
Sample Number:	03		Type:	R		Area:	6938.00 SqFt		PCI: 91		
Sample Comments:											
48	L & T CR		L	20.00 Ft							
48	L & T CR		M	9.00 Ft							
57	WEATHERING		L	694.00 SqFt							

Network:	Bandon			Name:	Bandon State							
Branch:	T01BN		Name:	Taxiway 01 Bandon		Use:	TAXIWAY		Area:	105,123 SqFt		
Section:	01	of	3	From:	Runway 34 End			To:	T01BN-02		Last Const.:	9/3/1994
Surface:	AC	Family:	2023_Region1_Cat3_Taxi way_AC		Zone:	S05		Category:	D		Rank:	P
Area:	22,892 SqFt		Length:	780 Ft		Width:	25 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	9/1/1994		Work Type: Subbase - Aggregate				Code:	SB-AG		Is Major M&R: False		
Work Date:	9/2/1994		Work Type: Base Course - Aggregate				Code:	BA-AG		Is Major M&R: False		
Work Date:	9/3/1994		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R: True		
Work Date:	9/1/2003		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R: False		
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Work Date:	9/1/2017		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R: False		
Last Insp. Date:	7/1/2023		TotalSamples:	5		Surveyed:		3				
Conditions:	PCI:	94										
Inspection Comments:												
Sample Number:	02	Type:	R	Area:	3758.00 SqFt			PCI:	95			
Sample Comments:												
48	L & T CR		L	21.00 Ft								
57	WEATHERING		L	100.00 SqFt								
Sample Number:	03	Type:	R	Area:	5000.00 SqFt			PCI:	95			
Sample Comments:												
48	L & T CR		L	31.00 Ft								
57	WEATHERING		L	100.00 SqFt								
Sample Number:	05	Type:	R	Area:	5661.00 SqFt			PCI:	92			
Sample Comments:												
48	L & T CR		L	121.00 Ft								

Network:	Bandon			Name:	Bandon State							
Branch:	T01BN		Name:	Taxiway 01 Bandon		Use:	TAXIWAY	Area:	105,123 SqFt			
Section:	02	of	3	From:	T01BN-01		To:	T01BN-03		Last Const.:	9/1/1996	
Surface:	AAC	Family:	2023_Region1_Cat3_Taxi way_AC		Zone:	S05		Category:	D		Rank:	P
Area:	64,000 SqFt		Length:	2,560 Ft		Width:	25 Ft					
Slabs:			Slab Length:	Ft		Slab Width:	Ft		Joint Length:	Ft		
Shoulder:			Street Type:			Grade:	0		Lanes:	0		
Section Comments:												
Work Date:	9/1/1966		Work Type: Base Course - Unknown (Major MR)				Code:	BA-UN		Is Major M&R:	True	
Work Date:	9/2/1966		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R:	True	
Work Date:	9/1/1990		Work Type: Overlay - AC Thin				Code:	OL-AT		Is Major M&R:	True	
Work Date:	9/1/1996		Work Type: New Construction - Initial				Code:	NC-IN		Is Major M&R:	True	
Work Date:	9/1/2000		Work Type: Surface Seal - Fog Seal				Code:	SS-FS		Is Major M&R:	False	
Work Date:	9/1/2003		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Work Date:	9/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Work Date:	9/2/2006		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R:	False	
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Work Date:	9/1/2017		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False	
Last Insp. Date:	7/1/2023		TotalSamples:	13		Surveyed:	4					
Conditions:	PCI: 68											
Inspection Comments:												
Sample Number:	02	Type:	R	Area:	5000.00 SqFt		PCI:	67				
Sample Comments:												
41	ALLIGATOR CR	M	2.00 SqFt									
48	L & T CR	L	25.00 Ft									
48	L & T CR	L	456.00 Ft									
57	WEATHERING	L	5000.00 SqFt									
Sample Number:	06	Type:	R	Area:	5000.00 SqFt		PCI:	67				
Sample Comments:												
48	L & T CR	L	350.00 Ft									
48	L & T CR	L	128.00 Ft									
48	L & T CR	M	50.00 Ft									
57	WEATHERING	L	5000.00 SqFt									
Sample Number:	09	Type:	R	Area:	5000.00 SqFt		PCI:	66				
Sample Comments:												
48	L & T CR	L	72.00 Ft									
48	L & T CR	L	300.00 Ft									
48	L & T CR	L	147.00 Ft									
48	L & T CR	M	100.00 Ft									
57	WEATHERING	L	5000.00 SqFt									
Sample Number:	12	Type:	R	Area:	5000.00 SqFt		PCI:	72				
Sample Comments:												
48	L & T CR	L	423.00 Ft									
48	L & T CR	L	61.00 Ft									
57	WEATHERING	L	5000.00 SqFt									

Network:	Bandon		Name:	Bandon State					
Branch:	T02BN		Name:	Taxiway 02 Bandon		Use:	TAXIWAY	Area:	5,818 SqFt
Section:	01	of	1	From:	Apron 01		To:	Taxiway 01	Last Const.: 9/1/1990
Surface:	AAC	Family:	2023_Region1_Cat3_Taxiway_AC	Zone:	S05		Category:	D	Rank: P
Area:	5,818 SqFt	Length:	133 Ft		Width:	35 Ft			
Slabs:	Slab Length:		Ft		Slab Width:	Ft		Joint Length:	Ft
Shoulder:	Street Type:		Grade:		0		Lanes:	0	
Section Comments:									
Work Date:	9/1/1966		Work Type: Base Course - Unknown (Major MR)				Code:	BA-UN	Is Major M&R: True
Work Date:	9/2/1966		Work Type: New Construction - AC				Code:	NC-AC	Is Major M&R: True
Work Date:	9/1/1990		Work Type: Overlay - AC Thin				Code:	OL-AT	Is Major M&R: True
Work Date:	9/1/2000		Work Type: Surface Seal - Fog Seal				Code:	SS-FS	Is Major M&R: False
Work Date:	9/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/2/2006		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS	Is Major M&R: False
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Work Date:	9/1/2014		Work Type: Crack Sealing - AC				Code:	CS-AC	Is Major M&R: False
Last Insp. Date:	7/1/2023		TotalSamples:	1		Surveyed: 1			
Conditions:	PCI: 79								
Inspection Comments:									
Sample Number:	01	Type:	R	Area:	5818.00 SqFt		PCI:	79	
Sample Comments:									
48	L & T CR		L	290.00 Ft					
48	L & T CR		L	26.00 Ft					
57	WEATHERING		L	5818.00 SqFt					

Network:	Bandon		Name:	Bandon State							
Branch:	T03BN		Name:	Taxiway 03 Bandon		Use:	TAXIWAY	Area:	49,977 SqFt		
Section:	01	of	2	From:	Apron 01		To:	Taxiway 01			
Surface:	AAC	Family:	2023_Region1_Cat3_Taxi way_AC	Zone:	S05		Category:	D	Rank:	P	
Area:	41,412 SqFt		Length:	1,360 Ft		Width:	25 Ft				
Slabs:	Slab Length:		Ft		Slab Width:		Ft		Joint Length:	Ft	
Shoulder:	Street Type:		Grade:		0		Lanes:		0		
Section Comments:											
Work Date:	9/1/1966		Work Type: Base Course - Unknown (Major MR)				Code:	BA-UN		Is Major M&R:	True
Work Date:	9/2/1966		Work Type: New Construction - AC				Code:	NC-AC		Is Major M&R:	True
Work Date:	9/1/1990		Work Type: Overlay - AC Thin				Code:	OL-AT		Is Major M&R:	True
Work Date:	9/1/2000		Work Type: Surface Seal - Fog Seal				Code:	SS-FS		Is Major M&R:	False
Work Date:	9/1/2003		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False
Work Date:	9/1/2006		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False
Work Date:	9/2/2006		Work Type: Surface Treatment - Slurry Seal				Code:	ST-SS		Is Major M&R:	False
Work Date:	6/1/2011		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False
Work Date:	9/1/2014		Work Type: Patching - AC Deep				Code:	PA-AD		Is Major M&R:	False
Work Date:	9/2/2014		Work Type: Crack Sealing - AC				Code:	CS-AC		Is Major M&R:	False
Last Insp. Date:	7/1/2023		TotalSamples:	8		Surveyed:					4
Conditions:	PCI: 48										
Inspection Comments:											
Sample Number:	01	Type:	R	Area:		5000.00 SqFt		PCI:	33		
Sample Comments:											
41	ALLIGATOR CR	M	242.00		SqFt						
41	ALLIGATOR CR	H	4.00		SqFt						
48	L & T CR	L	297.00		Ft						
50	PATCHING	L	176.00		SqFt						
50	PATCHING	L	75.00		SqFt						
57	WEATHERING	L	5000.00		SqFt						
Sample Number:	02	Type:	R	Area:		5452.00 SqFt		PCI:	43		
Sample Comments:											
41	ALLIGATOR CR	M	186.00		SqFt						
48	L & T CR	L	377.00		Ft						
50	PATCHING	L	75.00		SqFt						
57	WEATHERING	L	5452.00		SqFt						
Sample Number:	05	Type:	R	Area:		5000.00 SqFt		PCI:	41		
Sample Comments:											
41	ALLIGATOR CR	M	42.00		SqFt						
41	ALLIGATOR CR	M	146.00		SqFt						
48	L & T CR	L	208.00		Ft						
48	L & T CR	L	194.00		Ft						
50	PATCHING	L	88.00		SqFt						
57	WEATHERING	L	5000.00		SqFt						
Sample Number:	07	Type:	R	Area:		5000.00 SqFt		PCI:	77		
Sample Comments:											
48	L & T CR	L	150.00		Ft						
48	L & T CR	L	99.00		Ft						
50	PATCHING	L	50.00		SqFt						
57	WEATHERING	L	5000.00		SqFt						

Network:		Bandon		Name:		Bandon State																	
Branch:		T03BN		Name:		Taxiway 03 Bandon		Use:		TAXIWAY		Area:		49,977 SqFt									
Section:		02		of		2		From:		Taxiway 01		To:		Runway 16/34		Last Const.:		9/3/1994					
Surface:		AC		Family:		2023_Region1_Cat3_Taxiway_AC		Zone:		S05		Category:		D		Rank:		P					
Area:		8,565 SqFt		Length:		183 Ft		Width:		30 Ft													
Slabs:		Slab Length:				Ft		Slab Width:				Ft		Joint Length:				Ft					
Shoulder:		Street Type:						Grade:		0				Lanes:		0							
Section Comments:																							
Work Date:				9/1/1994				Work Type:				Subbase - Aggregate				Code:		SB-AG		Is Major M&R:		False	
Work Date:				9/2/1994				Work Type:				Base Course - Aggregate				Code:		BA-AG		Is Major M&R:		False	
Work Date:				9/3/1994				Work Type:				New Construction - AC				Code:		NC-AC		Is Major M&R:		True	
Work Date:				9/1/2003				Work Type:				Surface Treatment - Slurry Seal				Code:		ST-SS		Is Major M&R:		False	
Last Insp. Date:				7/1/2023				TotalSamples:				2				Surveyed:				2			
Conditions:				PCI:				93															
Inspection Comments:																							
Sample Number:		01		Type:		R		Area:		4282.00 SqFt		PCI:		89									
Sample Comments:																							
48		L & T CR		L		13.00 Ft																	
48		L & T CR		M		25.00 Ft																	
Sample Number:		02		Type:		R		Area:		4282.00 SqFt		PCI:		96									
Sample Comments:																							
48		L & T CR		L		16.00 Ft																	

<b>Network:</b> Bandon		<b>Name:</b> Bandon State	
<b>Branch:</b> T04BN	<b>Name:</b> Taxiway 04 Bandon	<b>Use:</b> TAXIWAY	<b>Area:</b> 5,336 SqFt
<b>Section:</b> 01 of 1	<b>From:</b> Apron 03	<b>To:</b> Private Apron	<b>Last Const.:</b> 9/2/1990
<b>Surface:</b> AC	<b>Family:</b> 2023_Region1_Cat3_Taxi way_AC	<b>Zone:</b> S05	<b>Category:</b> D <b>Rank:</b> S
<b>Area:</b> 5,336 SqFt	<b>Length:</b> 175 Ft	<b>Width:</b> 30 Ft	
<b>Slabs:</b>	<b>Slab Length:</b> Ft	<b>Slab Width:</b> Ft	<b>Joint Length:</b> Ft
<b>Shoulder:</b>	<b>Street Type:</b>	<b>Grade:</b> 0	<b>Lanes:</b> 0
<b>Section Comments:</b>			
<b>Work Date:</b> 9/1/1990	<b>Work Type:</b> Base Course - Aggregate		<b>Code:</b> BA-AG <b>Is Major M&amp;R:</b> False
<b>Work Date:</b> 9/2/1990	<b>Work Type:</b> New Construction - AC		<b>Code:</b> NC-AC <b>Is Major M&amp;R:</b> True
<b>Last Insp. Date:</b> 7/1/2023	<b>TotalSamples:</b> 1	<b>Surveyed:</b> 1	
<b>Conditions:</b> PCI: 37			
<b>Inspection Comments:</b>			
<b>Sample Number:</b> 01	<b>Type:</b> R	<b>Area:</b> 5336.00 SqFt	<b>PCI:</b> 37
<b>Sample Comments:</b>			
41	ALLIGATOR CR	M	360.00 SqFt
45	DEPRESSION	L	18.00 SqFt
48	L & T CR	L	163.00 Ft
57	WEATHERING	M	5336.00 SqFt



---

## **APPENDIX F**

### *Work History Report*

12/18/2023

## Work History Report

Page 1 of 5

Pavement Database: ODA\_2023Survey\_MASTER DB-12-16-2023-7am

Network: Bandon State		Branch: A01BN	Apron 01 Bandon	Section: 01	Surface: AC	
L.C.D. 9/1/1990	Use: APRON	Rank: P	Length: 259.00 (Ft)	Width: 260.00 (Ft)	True Area:	67194 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011  circa 1970 circa 1970
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>	
9/1/1990	OL-AT	Overlay - AC Thin	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1970	SU-SB	Surface Course - BST	0.00	0.00	<input checked="" type="checkbox"/>	
9/1/1970	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	<input checked="" type="checkbox"/>	

Network: Bandon State		Branch: A01BN	Apron 01 Bandon	Section: 02	Surface: AC	
L.C.D. 9/2/1990	Use: APRON	Rank: P	Length: 267.00 (Ft)	Width: 180.00 (Ft)	True Area:	47320 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2017	PA-AF	Patching - AC Full Depth	0.00	0.00	<input type="checkbox"/>	PMP 2011
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>	
9/2/1990	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/1/1990	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	

Network: Bandon State		Branch: A02BN	Apron 02 Bandon	Section: 01	Surface: AC	
L.C.D. 9/2/1990	Use: APRON	Rank: S	Length: 300.00 (Ft)	Width: 22.00 (Ft)	True Area:	6600 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/2017	PA-AF	Patching - AC Full Depth	0.00	0.00	<input type="checkbox"/>	
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>	
9/2/1990	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/1/1990	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	

Network: Bandon State		Branch: A03BN	Apron 03 Bandon	Section: 01	Surface: AC	
L.C.D. 9/2/1990	Use: APRON	Rank: S	Length: 210.00 (Ft)	Width: 65.00 (Ft)	True Area:	15991 (SqFt)
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/2/1990	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/1/1990	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	

12/18/2023

## Work History Report

Page 2 of 5

Pavement Database: ODA\_2023Survey\_MASTER DB-12-16-2023-7am

<b>Network:</b> Bandon State		<b>Branch:</b> ANHOLDBN North Hold Apron		<b>Section:</b> 01		<b>Surface:</b> AC
<b>L.C.D.</b> 9/3/1994	<b>Use:</b> APRON	<b>Rank:</b> P	<b>Length:</b> 160.00 (Ft)	<b>Width:</b> 70.00 (Ft)	<b>True Area:</b> 11200 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50	<input type="checkbox"/>	
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>	

<b>Network:</b> Bandon State		<b>Branch:</b> ASHOLDBN South Hold Apron		<b>Section:</b> 01		<b>Surface:</b> AC
<b>L.C.D.</b> 9/3/1994	<b>Use:</b> APRON	<b>Rank:</b> P	<b>Length:</b> 160.00 (Ft)	<b>Width:</b> 70.00 (Ft)	<b>True Area:</b> 11200 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50	<input type="checkbox"/>	
8/31/2003	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>	

<b>Network:</b> Bandon State		<b>Branch:</b> R16BN Runway 16/34 Ban		<b>Section:</b> 01		<b>Surface:</b> AC
<b>L.C.D.</b> 9/3/1994	<b>Use:</b> RUNWAY	<b>Rank:</b> P	<b>Length:</b> 3,600.00 (Ft)	<b>Width:</b> 60.00 (Ft)	<b>True Area:</b> 216000 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50	<input type="checkbox"/>	
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>	

<b>Network:</b> Bandon State		<b>Branch:</b> T01BN Taxiway 01 Bando		<b>Section:</b> 01		<b>Surface:</b> AC
<b>L.C.D.</b> 9/3/1994	<b>Use:</b> TAXIWAY	<b>Rank:</b> P	<b>Length:</b> 780.00 (Ft)	<b>Width:</b> 25.00 (Ft)	<b>True Area:</b> 22892 (SqFt)	
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50	<input type="checkbox"/>	
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>	

12/18/2023

## Work History Report

Page 3 of 5

Pavement Database: ODA\_2023Survey\_MASTER DB-12-16-2023-7am

Network: Bandon State

Branch: T01BN

Taxiway 01 Bando

Section: 02

Surface: AAC

L.C.D. 9/1/1996

Use: TAXIWAY

Rank: P

Length: 2,560.00 (Ft)

Width: 25.00 (Ft)

True Area: 64000 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2003	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>	
9/1/1996	NC-IN	New Construction - Initial	0.00	0.00	<input checked="" type="checkbox"/>	
9/1/1990	OL-AT	Overlay - AC Thin	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1966	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/1/1966	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	<input checked="" type="checkbox"/>	

Network: Bandon State

Branch: T01BN

Taxiway 01 Bando

Section: 03

Surface: AC

L.C.D. 9/3/1994

Use: TAXIWAY

Rank: P

Length: 620.00 (Ft)

Width: 25.00 (Ft)

True Area: 18231 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2017	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/1/2003	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.50	<input type="checkbox"/>	
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>	
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>	

Network: Bandon State

Branch: T02BN

Taxiway 02 Bando

Section: 01

Surface: AAC

L.C.D. 9/1/1990

Use: TAXIWAY

Rank: P

Length: 133.00 (Ft)

Width: 35.00 (Ft)

True Area: 5818 (SqFt)

Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments
9/1/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>	
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>	
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>	
9/1/1990	OL-AT	Overlay - AC Thin	0.00	2.00	<input checked="" type="checkbox"/>	
9/2/1966	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>	
9/1/1966	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	<input checked="" type="checkbox"/>	

12/18/2023

## Work History Report

Page 4 of 5

Pavement Database: ODA\_2023Survey\_MASTER DB-12-16-2023-7am

<b>Network:</b> Bandon State		<b>Branch:</b> T03BN		Taxiway 03 Bando		<b>Section:</b> 01	<b>Surface:</b> AAC
<b>L.C.D.</b> 9/1/1990	<b>Use:</b> TAXIWAY	<b>Rank:</b> P	<b>Length:</b> 1,360.00 (Ft)	<b>Width:</b> 25.00 (Ft)	<b>True Area:</b> 41412 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/2/2014	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>	PMP 2011	
9/1/2014	PA-AD	Patching - AC Deep	0.00	0.00	<input type="checkbox"/>		
6/1/2011	CS-AC	Crack Sealing - AC	0.00	0.00	<input type="checkbox"/>		
9/2/2006	ST-SS	Surface Treatment - Slurry Seal	0.00	0.00	<input type="checkbox"/>		
9/1/2006	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>		
9/1/2003	CS-AC	Crack Sealing - AC	0.00	0.10	<input type="checkbox"/>		
9/1/2000	SS-FS	Surface Seal - Fog Seal	0.00	0.10	<input type="checkbox"/>		
9/1/1990	OL-AT	Overlay - AC Thin	0.00	2.00	<input checked="" type="checkbox"/>		
9/2/1966	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>		
9/1/1966	BA-UN	Base Course - Unknown (Major MR)	0.00	0.00	<input checked="" type="checkbox"/>		

<b>Network:</b> Bandon State		<b>Branch:</b> T03BN		Taxiway 03 Bando		<b>Section:</b> 02	<b>Surface:</b> AC
<b>L.C.D.</b> 9/3/1994	<b>Use:</b> TAXIWAY	<b>Rank:</b> P	<b>Length:</b> 183.00 (Ft)	<b>Width:</b> 30.00 (Ft)	<b>True Area:</b> 8565 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/1/2003	ST-SS	Surface Treatment - Slurry Seal	0.00	0.10	<input type="checkbox"/>		
9/3/1994	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>		
9/2/1994	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>		
9/1/1994	SB-AG	Subbase - Aggregate	0.00	5.00	<input type="checkbox"/>		

<b>Network:</b> Bandon State		<b>Branch:</b> T04BN		Taxiway 04 Bando		<b>Section:</b> 01	<b>Surface:</b> AC
<b>L.C.D.</b> 9/2/1990	<b>Use:</b> TAXIWAY	<b>Rank:</b> S	<b>Length:</b> 175.00 (Ft)	<b>Width:</b> 30.00 (Ft)	<b>True Area:</b> 5336 (SqFt)		
Work Date	Work Code	Work Description	Cost	Thickness (in)	Major M&R	Comments	
9/2/1990	NC-AC	New Construction - AC	0.00	2.00	<input checked="" type="checkbox"/>		
9/1/1990	BA-AG	Base Course - Aggregate	0.00	6.00	<input type="checkbox"/>		

**Summary:**

Work Description	Section Count	Area Total (SqFt)	Thickness Avg (in)	Thickness STD (in)
Base Course - Unknown (Major MR)	4	178,424.00	0.00	0.00
Base Course - Aggregate	10	363,335.00	6.00	0.00
Crack Sealing - AC	36	1,603,958.00	0.02	0.04
New Construction - AC	13	474,565.00	2.00	0.00
New Construction - Initial	1	64,000.00	0.00	0.00
Overlay - AC Thin	4	178,424.00	2.00	0.00
Patching - AC Deep	1	41,412.00	0.00	0.00
Patching - AC Full Depth	2	53,920.00	0.00	0.00
Subbase - Aggregate	6	288,088.00	5.00	0.00
Surface Course - BST	1	67,194.00	0.00	0.00
Surface Seal - Fog Seal	6	232,344.00	0.10	0.00
Surface Treatment - Slurry Seal	12	520,432.00	0.22	0.24