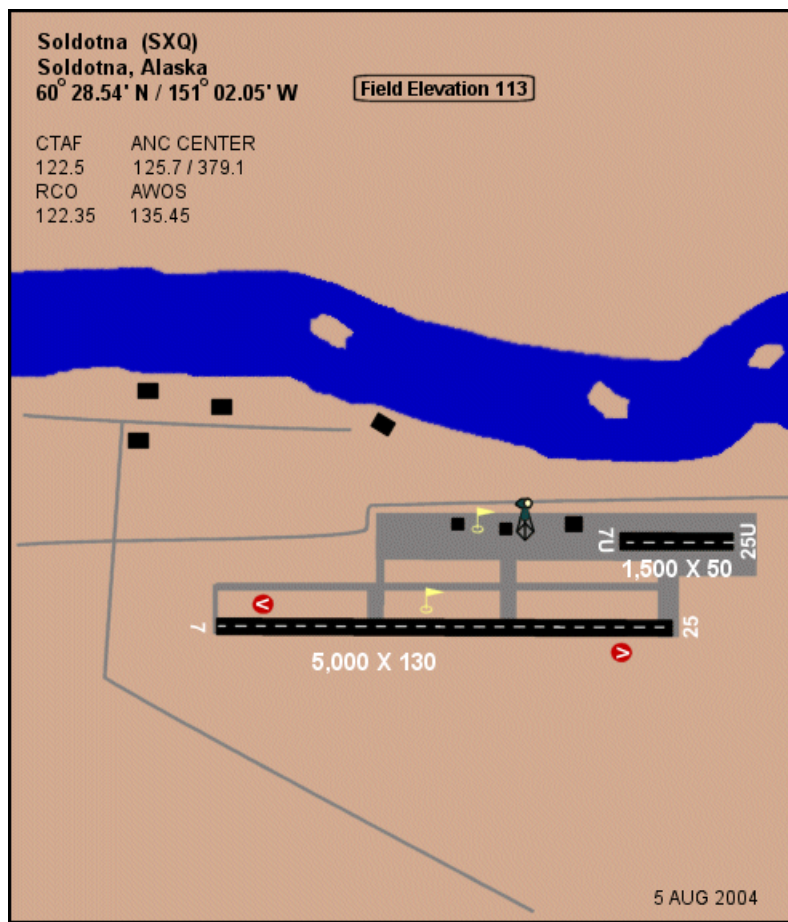




# SOLDOTNA AIRPORT



## Alaska Airport Pavement Inspection Report

Published October 2020

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10/14/2020

**Branch Condition Report**

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*Pavement Database: MainPaverDB2020*

| Branch ID | Number of Sections | Sum Section Length (Ft) | Avg Section Width (Ft) | True Area (SqFt) | Use     | Average PCI | Standard Deviation PCI | Weighted Average PCI |
|-----------|--------------------|-------------------------|------------------------|------------------|---------|-------------|------------------------|----------------------|
| 0100      | 4                  | 4,695.00                | 112.50                 | 284,175.00       | TAXIWAY | 98.00       | 1.73                   | 98.20                |
| 0200      | 2                  | 4,840.00                | 50.00                  | 246,900.00       | TAXIWAY | 95.50       | 2.50                   | 96.27                |
| 0300      | 1                  | 338.00                  | 50.00                  | 20,220.00        | TAXIWAY | 68.00       | 0.00                   | 68.00                |
| 0400      | 1                  | 55.00                   | 25.00                  | 2,000.00         | TAXIWAY | 100.00      | 0.00                   | 100.00               |
| 0500      | 1                  | 325.00                  | 25.00                  | 7,440.00         | TAXIWAY | 83.00       | 0.00                   | 83.00                |
| 0600      | 2                  | 410.00                  | 67.50                  | 26,975.00        | TAXIWAY | 75.50       | 13.50                  | 77.74                |
| 0700      | 2                  | 835.00                  | 50.00                  | 46,310.00        | TAXIWAY | 78.00       | 18.00                  | 72.63                |
| 4100      | 2                  | 3,056.00                | 120.00                 | 366,720.01       | APRON   | 95.00       | 2.00                   | 93.83                |
| 4200      | 1                  | 2,000.00                | 210.00                 | 330,000.01       | APRON   | 98.00       | 0.00                   | 98.00                |
| 4300      | 3                  | 5,625.00                | 384.00                 | 1,592,334.01     | APRON   | 86.67       | 15.33                  | 86.62                |
| 6100      | 1                  | 5,019.00                | 130.00                 | 652,470.02       | RUNWAY  | 63.00       | 0.00                   | 63.00                |
| 6200      | 1                  | 1,500.00                | 60.00                  | 90,000.00        | RUNWAY  | 99.00       | 0.00                   | 99.00                |

**10/14/2020****Branch Condition Report****Page 2 of 2***Pavement Database: MainPaverDB2020*

| <b>Use Category</b> | <b>Number of Sections</b> | <b>Total Area (SqFt)</b> | <b>Arithmetic Average PCI</b> | <b>Average STD PCI</b> | <b>Weighted Average PCI</b> |
|---------------------|---------------------------|--------------------------|-------------------------------|------------------------|-----------------------------|
| APRON               | 6                         | 2,289,054.03             | 91.33                         | 11.90                  | 89.42                       |
| RUNWAY              | 2                         | 742,470.02               | 81.00                         | 18.00                  | 67.36                       |
| TAXIWAY             | 13                        | 634,020.00               | 87.77                         | 14.22                  | 93.57                       |
| ALL                 | 21                        | 3,665,544.05             | 88.14                         | 14.30                  | 85.67                       |

Pavement Database: MainPaverDB2020

NetworkId: Soldotna

| Branch ID | Section ID | Last Const. Date | Surface | Use     | Rank | Lanes | True Area (SqFt) | Last Inspection Date | Age At Inspection | PCI |
|-----------|------------|------------------|---------|---------|------|-------|------------------|----------------------|-------------------|-----|
| 0100      | 0100-01    | 9/1/2017         | AAC     | TAXIWAY | P    | 0     | 101,425.00       | 6/30/2020            | 3                 | 99  |
| 0100      | 0100-02    | 9/1/2017         | AC      | TAXIWAY | P    | 0     | 85,750.00        | 6/30/2020            | 3                 | 99  |
| 0100      | 0100-03    | 9/1/2017         | AC      | TAXIWAY | P    | 0     | 40,000.00        | 6/30/2020            | 3                 | 99  |
| 0100      | 0100-04    | 6/30/2015        | AAC     | TAXIWAY | A    | 0     | 57,000.00        | 6/30/2020            | 5                 | 95  |
| 0200      | 0200-01    | 8/1/2017         | AAC     | TAXIWAY | P    | 0     | 85,300.00        | 6/30/2020            | 3                 | 93  |
| 0200      | 0200-02    | 9/1/2017         | AC      | TAXIWAY | P    | 0     | 161,600.00       | 6/30/2020            | 3                 | 98  |
| 0300      | 0300-01    | 8/1/1996         | AAC     | TAXIWAY | P    | 0     | 20,220.00        | 6/30/2020            | 24                | 68  |
| 0400      | 0400-01    | 10/14/2017       | AC      | TAXIWAY | A    | 0     | 2,000.00         | 6/30/2020            | 3                 | 100 |
| 0500      | 0500-01    | 4/1/2008         | AC      | TAXIWAY | A    | 0     | 7,440.00         | 6/30/2020            | 12                | 83  |
| 0600      | 0600-01    | 8/1/1996         | AAC     | TAXIWAY | P    | 0     | 11,250.00        | 6/30/2020            | 24                | 62  |
| 0600      | 0600-02    | 10/14/2017       | AAC     | TAXIWAY | P    | 0     | 15,725.00        | 10/14/2020           | 3                 | 89  |
| 0700      | 0700-01    | 8/1/1996         | AAC     | TAXIWAY | P    | 0     | 30,060.00        | 6/30/2020            | 24                | 60  |
| 0700      | 0700-02    | 9/1/2017         | AAC     | TAXIWAY | P    | 0     | 16,250.00        | 6/30/2020            | 3                 | 96  |
| 4100      | 4100-01    | 8/1/2017         | AAC     | APRON   | P    | 0     | 76,400.00        | 6/30/2020            | 3                 | 97  |
| 4100      | 4100-02    | 8/1/2013         | AAC     | APRON   | P    | 0     | 290,320.01       | 6/30/2020            | 7                 | 93  |
| 4200      | 4200-01    | 9/1/2017         | AC      | APRON   | P    | 0     | 330,000.01       | 6/30/2020            | 3                 | 98  |
| 4300      | 4300-01    | 9/1/2015         | AAC     | APRON   | P    | 0     | 415,554.01       | 6/30/2020            | 5                 | 97  |
| 4300      | 4300-02    | 9/1/2017         | AC      | APRON   | P    | 0     | 640,280.00       | 6/30/2020            | 3                 | 98  |
| 4300      | 4300-03    | 9/1/1985         | AC      | APRON   | P    | 0     | 536,500.00       | 6/30/2020            | 35                | 65  |
| 6100      | 6100-01    | 8/1/1996         | AAC     | RUNWAY  | P    | 0     | 652,470.02       | 6/30/2020            | 24                | 63  |
| 6200      | 6200-01    | 9/1/2017         | AC      | RUNWAY  | P    | 0     | 90,000.00        | 6/30/2020            | 3                 | 99  |

*Pavement Database: MainPaverDB2020*

| Age Category | Average Age at Inspection | Total Area (SqFt) | Number of Sections | Arithmetic Average PCI | Standard Deviation PCI | Weighted Average PCI |
|--------------|---------------------------|-------------------|--------------------|------------------------|------------------------|----------------------|
| 03-05        | 3                         | 2,117,284.03      | 14                 | 96.93                  | 2.84                   | 97.55                |
| 06-10        | 7                         | 290,320.01        | 1                  | 93.00                  | 0.00                   | 93.00                |
| 11-15        | 12                        | 7,440.00          | 1                  | 83.00                  | 0.00                   | 83.00                |
| 21-25        | 24                        | 714,000.02        | 4                  | 63.25                  | 2.95                   | 63.00                |
| 31-35        | 35                        | 536,500.00        | 1                  | 65.00                  | 0.00                   | 65.00                |
| ALL          | 9                         | 3,665,544.05      | 21                 | 88.14                  | 14.30                  | 85.67                |

# Soldotna Municipal Airport

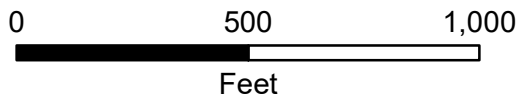
Airport Code: SXQ

Site Number: 50713.2\*A

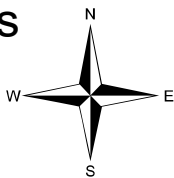
Map Created by  
AK DOT&PF  
October 2020



## 2020 Pavement Inspection Results



Imagery from MSB 2019 ArcGIS Server



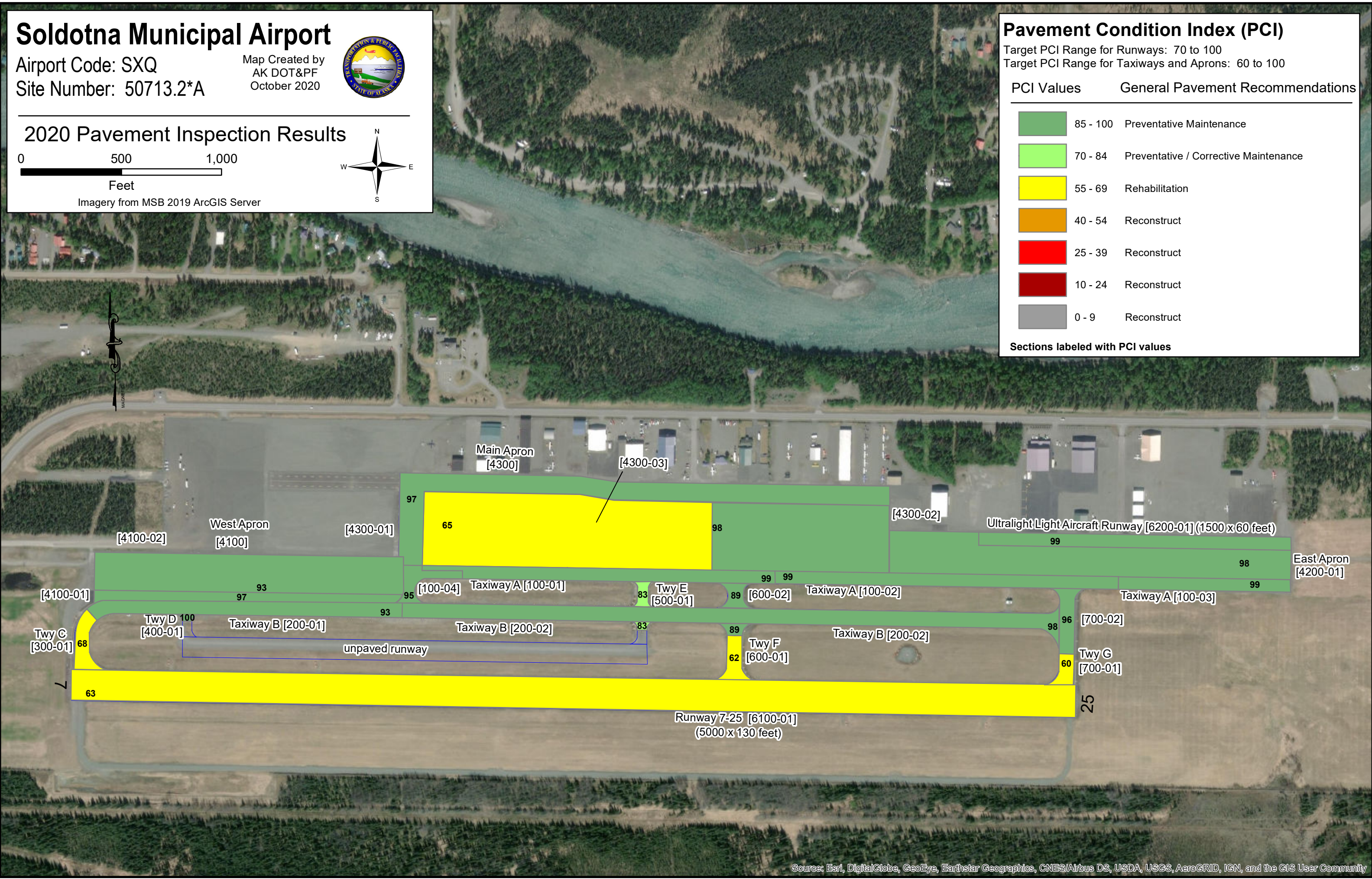
## Pavement Condition Index (PCI)

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

PCI Values      General Pavement Recommendations

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

Sections labeled with PCI values



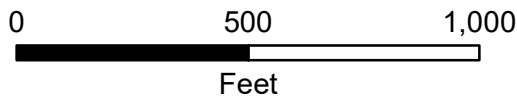
# Soldotna Municipal Airport

Airport Code: SXQ  
Site Number: 50713.2\*A

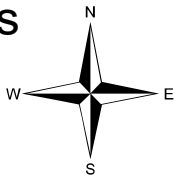
Map Created by  
AK DOT&PF  
October 2020



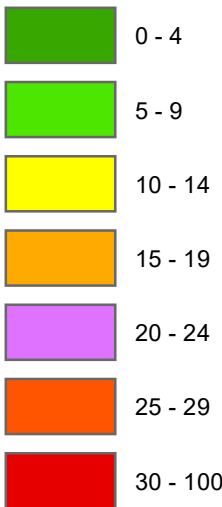
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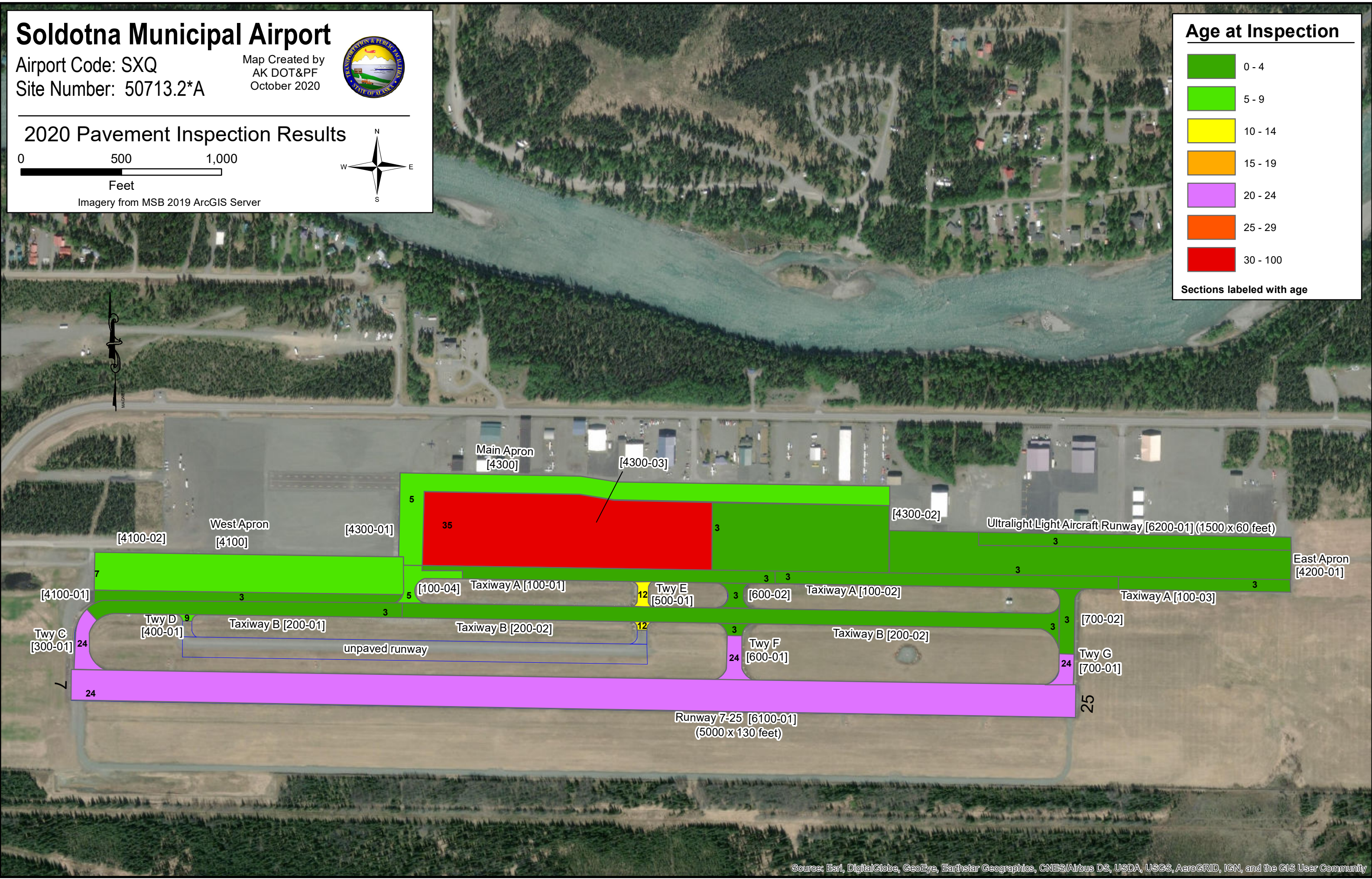
Imagery from MSB 2019 ArcGIS Server

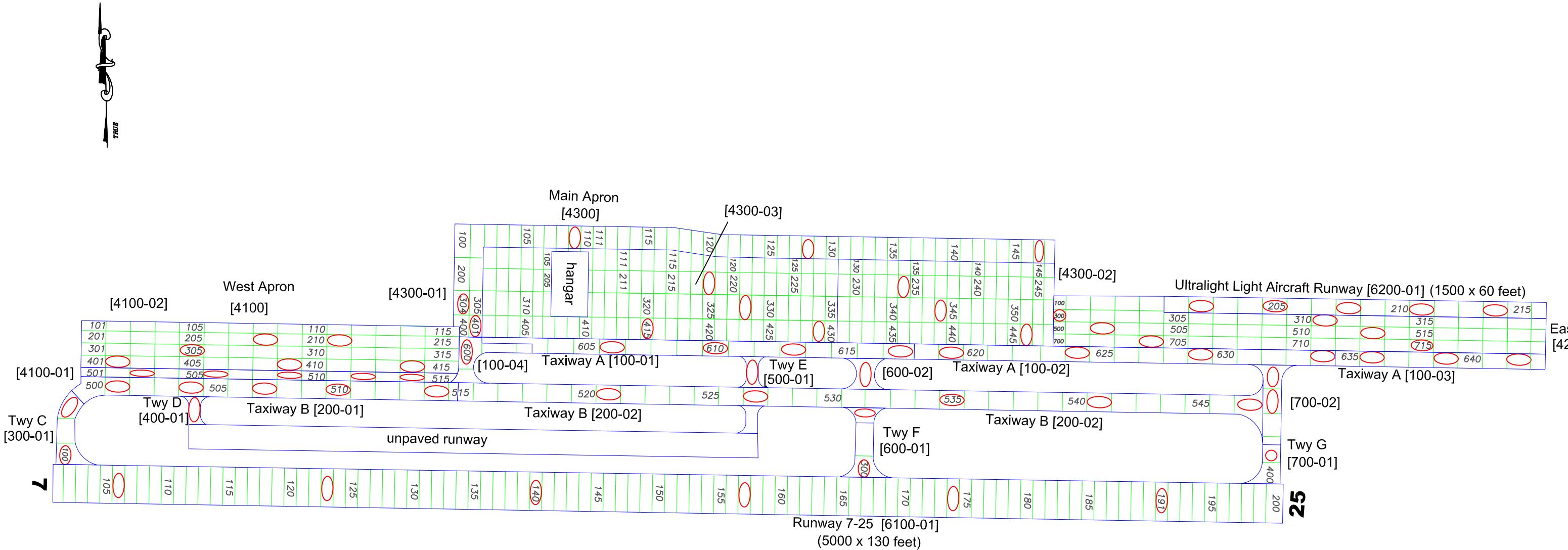


### Age at Inspection



Sections labeled with age





[ ] Branch/Section Identifier  
[ ] Sample Unit  
○ Unit of Pavement Sampled