

Date : 10/14/2025  
 Project No : 2025C224  
 Client Company : C. W. MATTHEWS CONTRACTING CO., INC.  
 Arrival Time : 10/14/2025 07:00  
 Onsite Hours : 05:00

ASEC Report ID : 86879  
 Name of the Project : PDK Airport - RUNWAY 3R-21L KEEL REPLACEMENT  
 Project Location : PDK AIRPORT, DEKALB County, GA  
 Weather : Sunny  
 Departure Time : 10/14/2025 12:00  
 ASEC Technician Name : Sean Willett

| Test Date                                                                    | Test Number | Moisture Content (%) | Dry Density (pcf) | Proctor Number | Max. Dry Density (pcf) | Optimum Moisture (%) | Compaction (%) | Specified Compaction (%) | ASTM Test Method | Pass/Fail |
|------------------------------------------------------------------------------|-------------|----------------------|-------------------|----------------|------------------------|----------------------|----------------|--------------------------|------------------|-----------|
| 10/14/2025                                                                   | 1           | 6.7                  | 117.3             | 2025-037-MP    | 132.9                  | 8.2                  | 88.3           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 2           | 7.9                  | 118.0             | 2025-037-MP    | 132.9                  | 8.2                  | 88.8           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 3           | 9.6                  | 119.1             | 2025-037-MP    | 132.9                  | 8.2                  | 89.6           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 4           | 10.1                 | 128.9             | 2025-037-MP    | 132.9                  | 8.2                  | 88.1           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 6           | 10.5                 | 114.4             | 2025-037-MP    | 132.9                  | 8.2                  | 86.1           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 7           | 11                   | 117.7             | 2025-037-MP    | 132.9                  | 8.2                  | 88.6           | 100                      | D6938            | Fail      |
| Location : 1 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 8           | 12                   | 119.8             | 2025-037-MP    | 132.9                  | 8.2                  | 90.1           | 100                      | D6938            | Fail      |
| Location : 2 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 9           | 11.1                 | 116.7             | 2025-037-MP    | 132.9                  | 8.2                  | 87.8           | 100                      | D6938            | Fail      |
| Location : 2 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 10          | 10.1                 | 120.0             | 2025-037-MP    | 132.9                  | 8.2                  | 90.3           | 100                      | D6938            | Fail      |
| Location : 3 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 11          | 10.0                 | 119.1             | 2025-037-MP    | 132.9                  | 8.2                  | 89.6           | 100                      | D6938            | Fail      |
| Location : 3 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Comment : Recompaction is required.                                          |             |                      |                   |                |                        |                      |                |                          |                  |           |
| Tested By : Sean Willett Gauge Serial No. : 77-19952                         |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                   | 12          | 12.3                 | 115.1             | 2025-037-MP    | 132.9                  | 8.2                  | 86.6           | 100                      | D6938            | Fail      |

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REPLACEMENT  
Project Location : PDK AIRPORT, DEKALB County, GA  
Weather : Sunny  
Departure Time : 10/14/2025 12:00  
ASEC Technician Name : Sean Willett

| Test Date                                                                                                                                                                   | Test Number | Moisture Content (%) | Dry Density (pcf) | Proctor Number | Max. Dry Density (pcf) | Optimum Moisture (%) | Compaction (%) | Specified Compaction (%) | ASTM Test Method | Pass/Fail |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------|----------------|------------------------|----------------------|----------------|--------------------------|------------------|-----------|
| Location : 4 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 13          | 10.3                 | 118.9             | 2025-037-MP    | 132.9                  | 8.2                  | 89.5           | 100                      | D6938            | Fail      |
| Location : 4 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 14          | 9.7                  | 118.4             | 2025-037-MP    | 132.9                  | 8.2                  | 89.1           | 100                      | D6938            | Fail      |
| Location : 5 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 15          | 11.5                 | 114.2             | 2025-037-MP    | 132.9                  | 8.2                  | 85.9           | 100                      | D6938            | Fail      |
| Location : 5 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 16          | 9.6                  | 119.2             | 2025-037-MP    | 132.9                  | 8.2                  | 89.7           | 100                      | D6938            | Fail      |
| Location : 6 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 17          | 9.1                  | 112.6             | 2025-037-MP    | 132.9                  | 8.2                  | 84.7           | 100                      | D6938            | Fail      |
| Location : 6 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |
| 10/14/2025                                                                                                                                                                  | 18          | 9.5                  | 118.1             | 2025-037-MP    | 132.9                  | 8.2                  | 88.9           | 100                      | D6938            | Fail      |
| Location : 7 (Between Taxiway C and Taxiway F), Elv/Depth :at finished grade<br>Comment : Recompaction is required.<br>Tested By : Sean Willett Gauge Serial No. : 77-19952 |             |                      |                   |                |                        |                      |                |                          |                  |           |

**Remark:** Test performed in general accordance with signed referenced ASTM Method.

*Kenneth Mosman*

**Kenneth Mosman**

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ASEC Technician Name : Sean Willett

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**PROCTOR DATA SUMMARY**

| TEST DATE  | PROCTOR ID  | MAX DRY<br>DENSITY (pcf) | OPTIMUM<br>MOISTURE (%) | PROCTOR TYPE | SOIL DESCRIPTION                           |
|------------|-------------|--------------------------|-------------------------|--------------|--------------------------------------------|
| 09/05/2025 | 2025-040-MP | 119.0                    | 12.9                    | Modified     | Brown Sandy SILT with M-10 sand            |
| 09/15/2025 | 2025-037-MP | 132.9                    | 8.2                     | Modified     | Graded Aggregate Base-Recycled<br>concrete |