



# **PLANNING & DEVELOPMENT SECTION**

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## Airport Development Projects

**61** Projects Total let in **2013**  
(31 MDOT-let, 30 local-let)

**59** Projects Total were let in **2012**



## Statewide Crack Sealing Program

**15** Airports Total participated in **2013**

**20** Airports Total participated in **2012**

AERO Contact: Neal Barncard  
(517) 335-9484

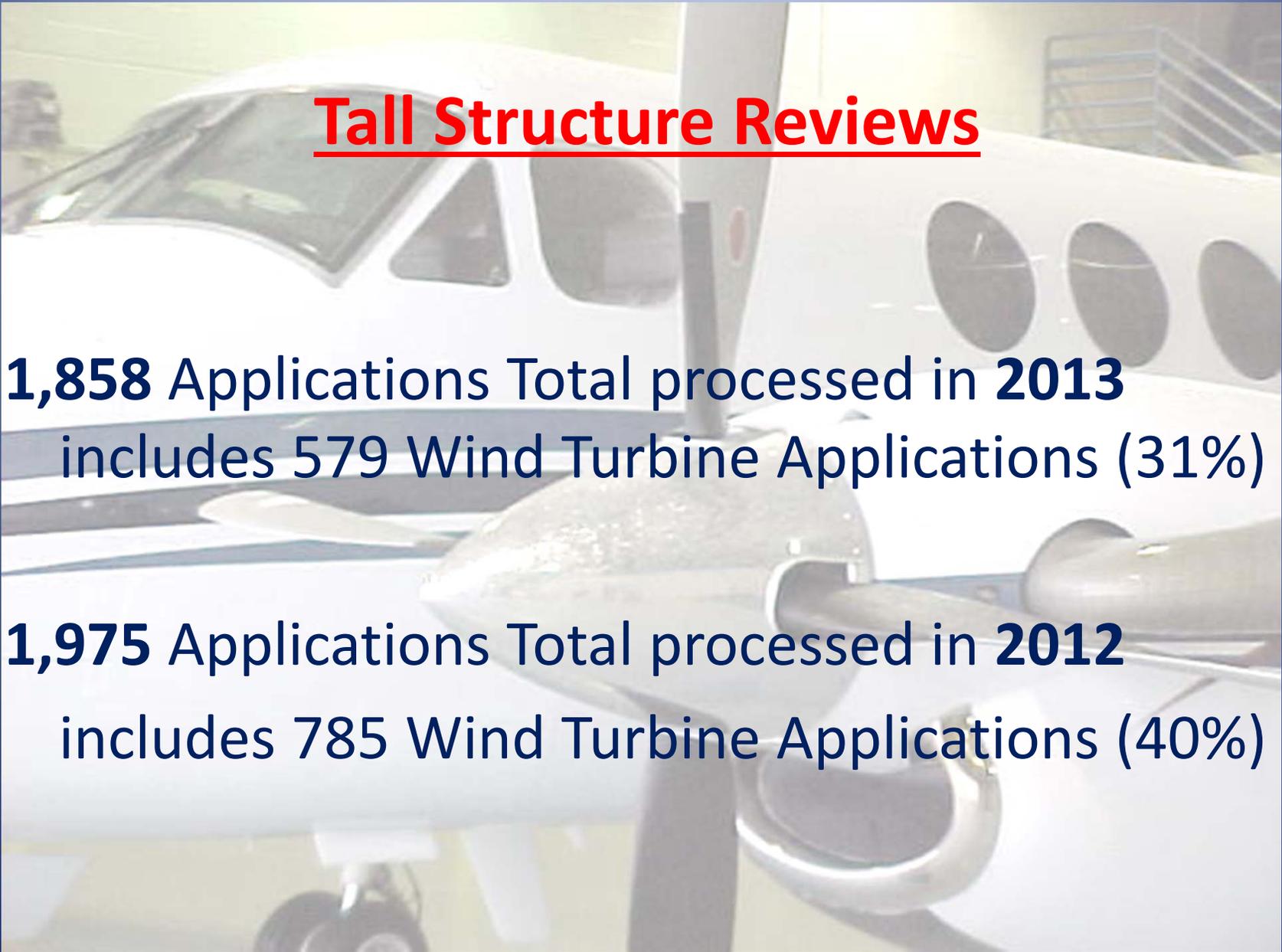


## Statewide Paint Marking Program

**14** Airports Total participated in **2013**

**18** Airports Total participated in **2012**

AERO Contact: Neal Barncard  
(517) 335-9484



## Tall Structure Reviews

**1,858** Applications Total processed in **2013**  
includes 579 Wind Turbine Applications (31%)

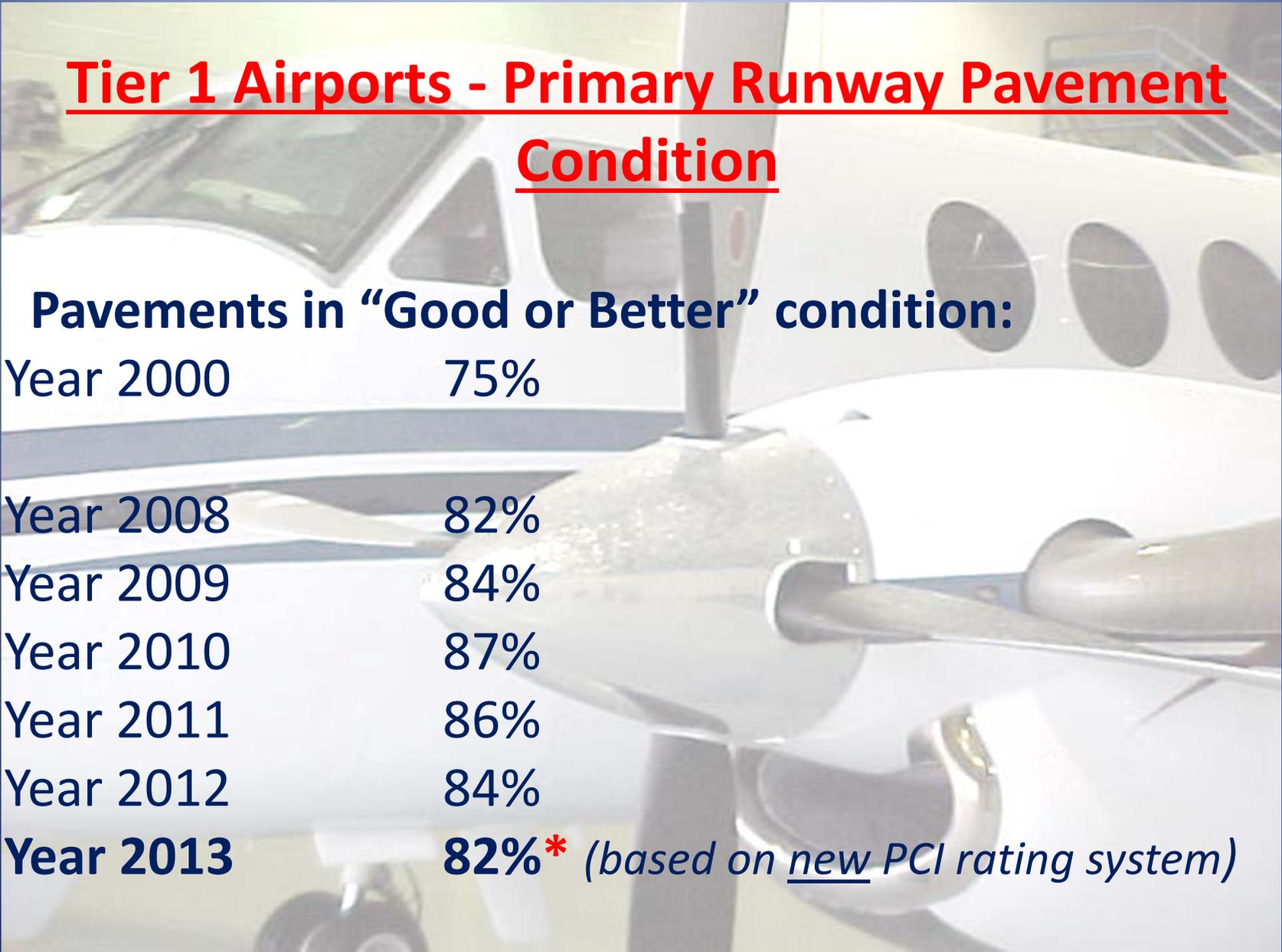
**1,975** Applications Total processed in **2012**  
includes 785 Wind Turbine Applications (40%)



Pavement Management Programs /  
PCI Inspections

**30** Airports Total were evaluated in **2013**

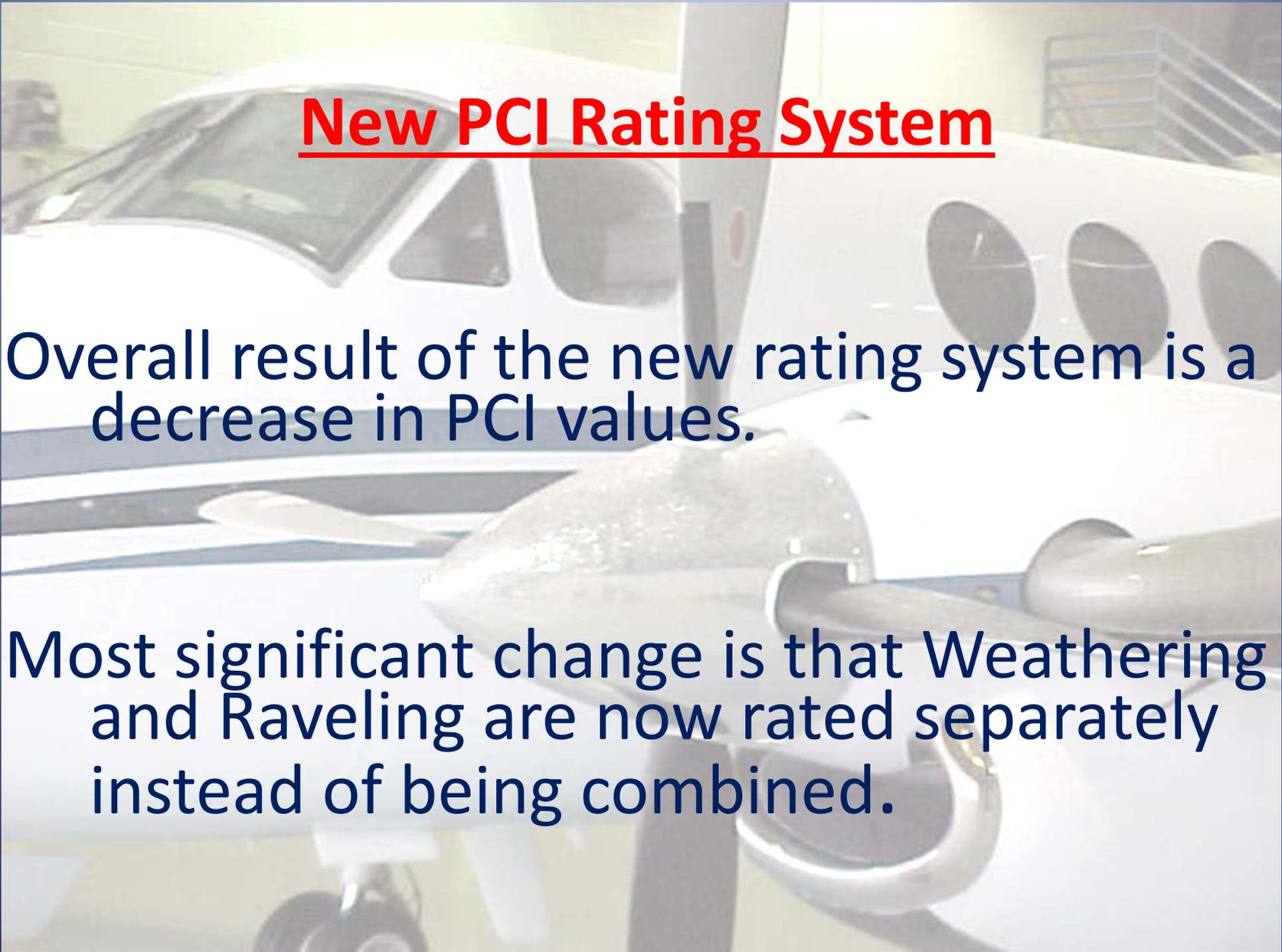
**36** Airports Total were evaluated in **2012**



## Tier 1 Airports - Primary Runway Pavement Condition

Pavements in “Good or Better” condition:

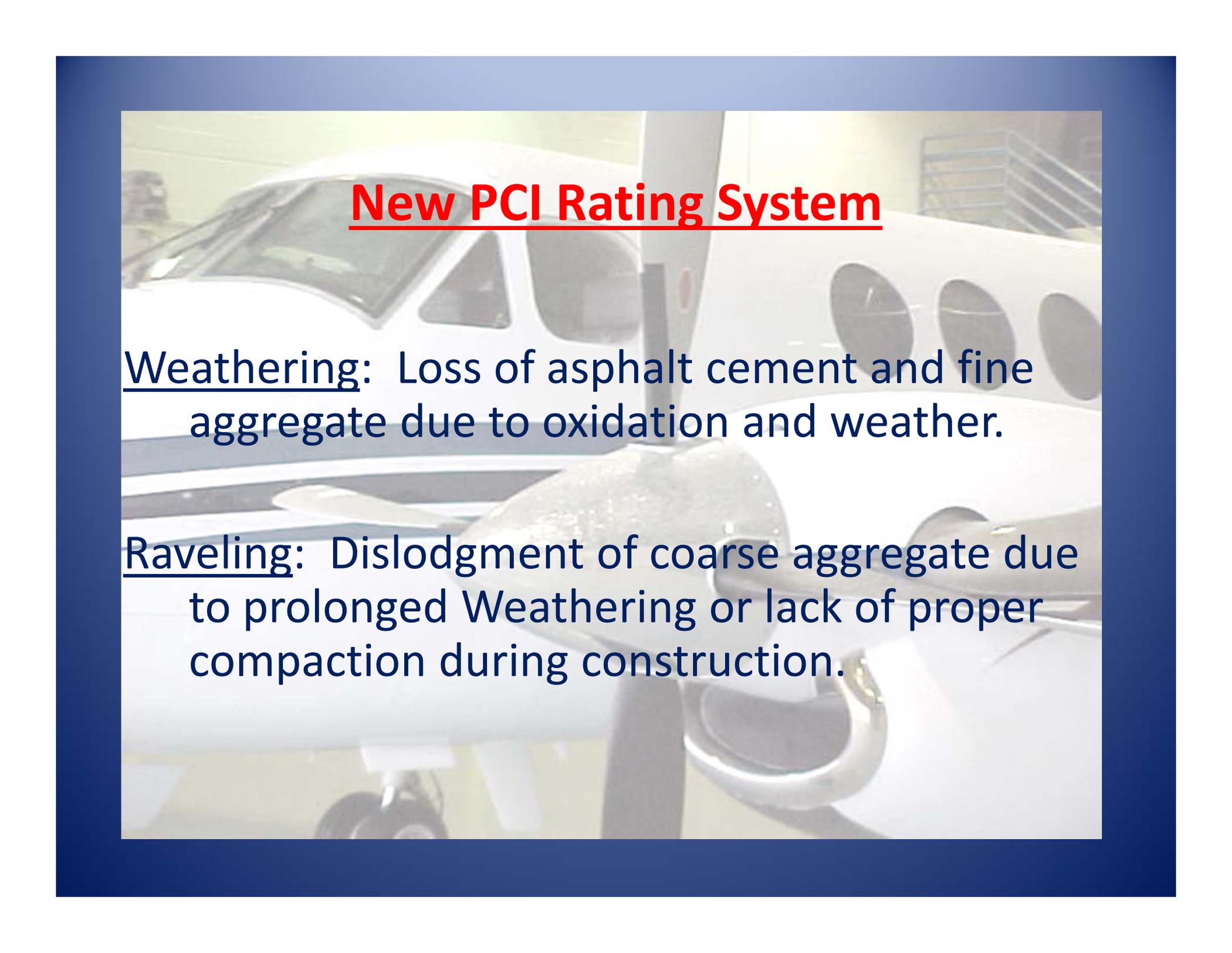
Year 2000	75%
Year 2008	82%
Year 2009	84%
Year 2010	87%
Year 2011	86%
Year 2012	84%
<b>Year 2013</b>	<b>82%*</b> (based on <u>new</u> PCI rating system)

A white model airplane is displayed in a museum setting. The aircraft is shown from a side-on perspective, highlighting its wings, fuselage, and tail section. The background is slightly blurred, showing other museum exhibits and structural elements. The text is overlaid on the image.

## New PCI Rating System

Overall result of the new rating system is a decrease in PCI values.

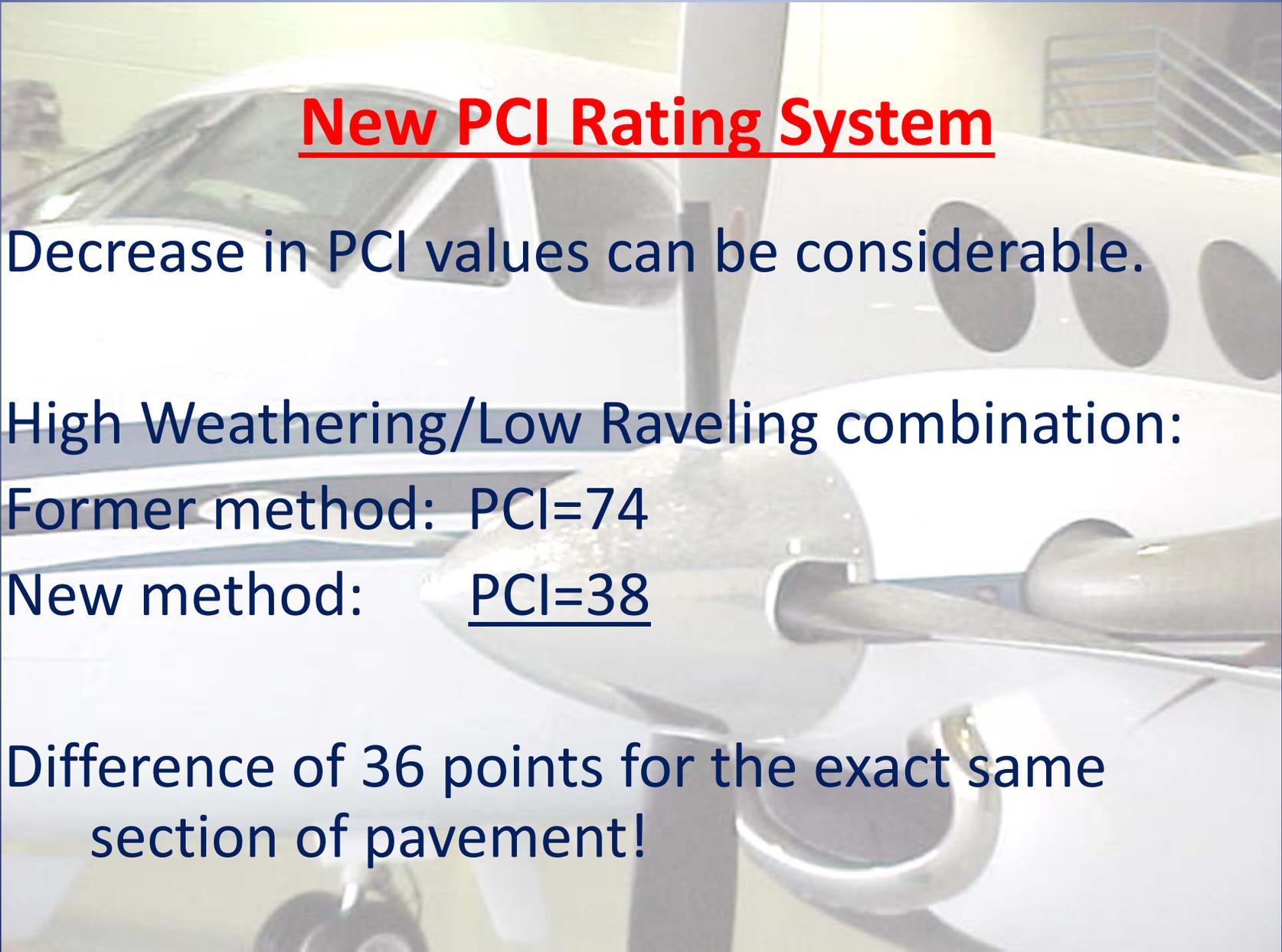
Most significant change is that Weathering and Raveling are now rated separately instead of being combined.



## New PCI Rating System

Weathering: Loss of asphalt cement and fine aggregate due to oxidation and weather.

Raveling: Dislodgment of coarse aggregate due to prolonged Weathering or lack of proper compaction during construction.



## New PCI Rating System

Decrease in PCI values can be considerable.

High Weathering/Low Raveling combination:

Former method: PCI=74

New method: PCI=38

Difference of 36 points for the exact same section of pavement!

## New PCI Rating System

Other examples of PCI values based on old rating system versus new rating system:

Drummond Island (Rwy 8/26): 82 old / 77 new (-5)

Rogers City (Rwy 9/27): 83 old / 77 new (-6)

Chippewa Co. (Rwy 16/34): 41 old / 32 new (-9)

# Pavement Management Program

## PCI Number versus Recommended Type of Repair:

PCI Number

Condition

**71-100 \***

Preventive Maintenance

**41-70 \***

Major Rehabilitation

**0-40\***

Reconstruction

(\* = based on former PCI rating system)

## Tier 1 Airports - Primary Runway Pavement Condition

Definition of “Good or Better” condition:

<u>Approach Category of Primary Runway</u>	<u>Minimum Overall PCI Rating</u>
<b>A &amp; B (&lt; 121 knots)</b>	<b>60 *</b>
<b>C (121 to 141 knots)</b>	<b>65 *</b>
<b>D (141 knots &gt;)</b>	<b>70 *</b>

(\* = based on former PCI rating system)



## Updates to MDOT-AERO Standard Specifications for Construction

- Standard Specifications for Construction are being updated by category.
- QoE Consulting is currently updating AERO Electrical Construction Specifications.

The background of the slide is a photograph of an airplane wing and engine, rendered in a light, semi-transparent style. The wing is white with several oval-shaped windows visible. The engine is a large, cylindrical structure with a propeller-like shape at the front. The overall image is faded and serves as a backdrop for the text.

## Updates to MDOT-AERO Standard Specifications for Construction

- Additional categories of AERO Standard Specifications will be updated in future.
- New consultant selection process will be conducted by AERO for assistance with updating the additional categories.

## Consultant Selection Reminders

- Sponsors should ensure that all upcoming projects were listed in the advertisement associated with their most recent consultant selection process.
- Validity of the Sponsor's most recent consultant selection process should be checked every year.

# Consultant Selection Reminders

**KEEP ALL RECORDS ON FILE!**

Records should include:

Copy of advertisement, Statements of Qualification and Proposals received, scoring sheets, notes, names of selection panel members, date of selection, and completed “*Consultant Selection Process Record*” form.



**QUESTIONS?**