

**TPF-5(354) Improving the Quality of Highway Profile Measurement**

***Pavement Profile Viewing and Analysis – ProVAL Workshop***

*RPUG 2024  
Thursday, May 2, 2024*

***OBJECTIVES***

- To familiarize attendees with the new version of ProVAL 4.0.
- To review some of the new and improved analysis methods.
- To inform attendees of the advantages, limitations, and pitfalls of analyzing and interpreting pavement profiles.
- To provide an interactive and hands-on approach throughout the workshop.

***AGENDA***

1:00 PM - 1:30 PM	Session 1 – New ProVAL 4.0 Features Summary of new and improved features in 4.0.
1:30 PM - 2:30 PM	Session 2 – Smoothness Assurance Module (SAM) New analysis combinations and grinding simulation.
2:30 PM - 2:45 PM	Break
2:45 PM - 3:45 PM	Session 3 – Profile Comparison and Profiler Certification Enhanced cross-correlation with pre-processors.
3:45 PM - 4:55 PM	Session 4 – Other New Features Curling/warping, route creation/maps, screening tool.
4:55 PM - 5:00 PM	Conclusion and Workshop Evaluation

**\*\*\* IMPORTANT: SEE FURTHER INSTRUCTIONS ON THE SECOND PAGE! \*\*\***

To learn more, visit [www.RoadProfile.com](http://www.RoadProfile.com)!

# ProVAL Software

**All workshop participants need to pre-install ProVAL software and samples on their laptops prior to the workshop.**

## ***Download ProVAL***

Download ProVAL with this link, then follow the installation guide in the later section to install the software on your computer:

- [Software installation kit TBA \(will be provided after March 15\)](#)
- [ProVAL 4.0 User's manual](#)

## ***Install ProVAL***

### **System Requirements**

- 2 GHz processor,
- 8 GB RAM,
- 1440x900 display resolution (if widescreen display); 1280x960 resolution (for non-widescreen)
- Windows 10 v1903 is the minimum supported operating system.
- Microsoft .NET Framework 4.8 is required (included with Windows 10 v1903 and later).

ProVAL 4.0+ can be installed on the same machine as 3.x or earlier. Previous versions of 4.0 will be replaced. ProVAL 4.0+ is only available in a 64-bit version and can only be installed on 64-bit Windows.

### **Installation Guide**

Previous versions of the same family will be automatically uninstalled. For example, 4.x will uninstall previous 4.x versions but will not uninstall 3.x. The two versions can co-exist side-by-side. You must have sufficient privileges to install applications on your computer. Contact your IT if you don't have them.

The installation process is straightforward by following the onscreen instructions. If you have any installation issues, [please contact us](#).

### **Download Workshop Sample Files**

Please download sample files from the following links and unzip (uncompress) the files to your Windows Desktop folder:

- [ProVAL 4.0 Sample files](#)