

# PROVAL 3.6

NEW LOOK - SIMPLER - FASTER

The screenshot displays the ProVAL 3.6 software interface. The title bar reads "15\_Case Studies \* - ProVAL 3.6". The menu bar includes Project, View, Profile Selection, Display, and Analysis. The main workspace is divided into several sections:

- Ride Quality**: A section with an "Analyze" button and a table of analysis settings.
- Analysis Settings**: A table with columns for File, Profile, Section, and Apply 250mm Filter.
- Map View**: A satellite map showing a road segment with blue and red markers indicating ride quality results.

**Ride Quality Settings Table:**

Analysis Type	Ride Quality Index	Threshold (in/mi)	Segment Length (ft)	File	Profile	Section	Apply 250mm Filter
Fixed Interval	IRI	70	528	10_MS-I02_w_GPS	<input type="checkbox"/> Right Elevation		<input type="checkbox"/>
				11_LA_I-20_w_GPS	<input checked="" type="checkbox"/> Left Wheel Path	Full	<input checked="" type="checkbox"/>
					<input type="checkbox"/> Centerline		<input type="checkbox"/>
					<input type="checkbox"/> Right Wheel Path		<input type="checkbox"/>
				12_Extra_credit	<input type="checkbox"/> LElev.		<input type="checkbox"/>
					<input type="checkbox"/> RElev.		<input type="checkbox"/>

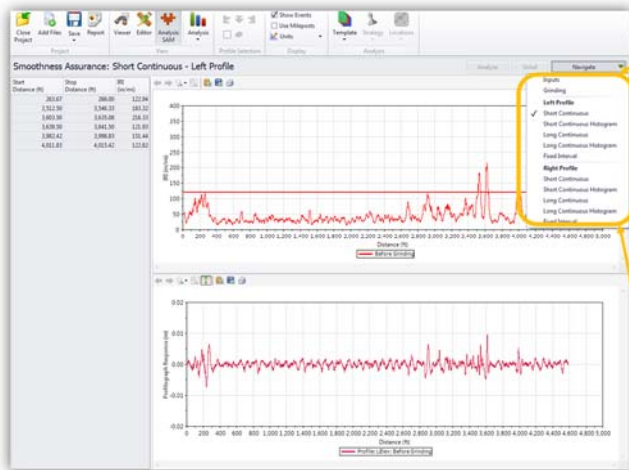
**Map View Legend:**

- Blue line: Segment passed
- Red line: Segment failed

The map shows a road segment with a blue line indicating a "Segment passed" and a red line indicating a "Segment failed". A scale bar at the bottom right shows 0.1 miles. The bottom of the window contains copyright information: "bing © 2016 Nokia Earthstar Geographics SIO © 2016 Microsoft Corporation".

## IMPROVED SMOOTHNESS ASSURANCE

- For a two-channel file, IRI analysis would now allow each wheel track profile to be analyzed at the same time. The grinding locations, however, will be based on both the left and right wheel track profiles.
- For continuous roughness (such as localized roughness) analysis, one-half of the baselength both before and after a leave-out is now excluded.



**Inputs**

**Grinding**

**Left Profile**

✓ Short Continuous

Short Continuous Histogram

Long Continuous

Long Continuous Histogram

Fixed Interval

**Right Profile**

Short Continuous

Short Continuous Histogram

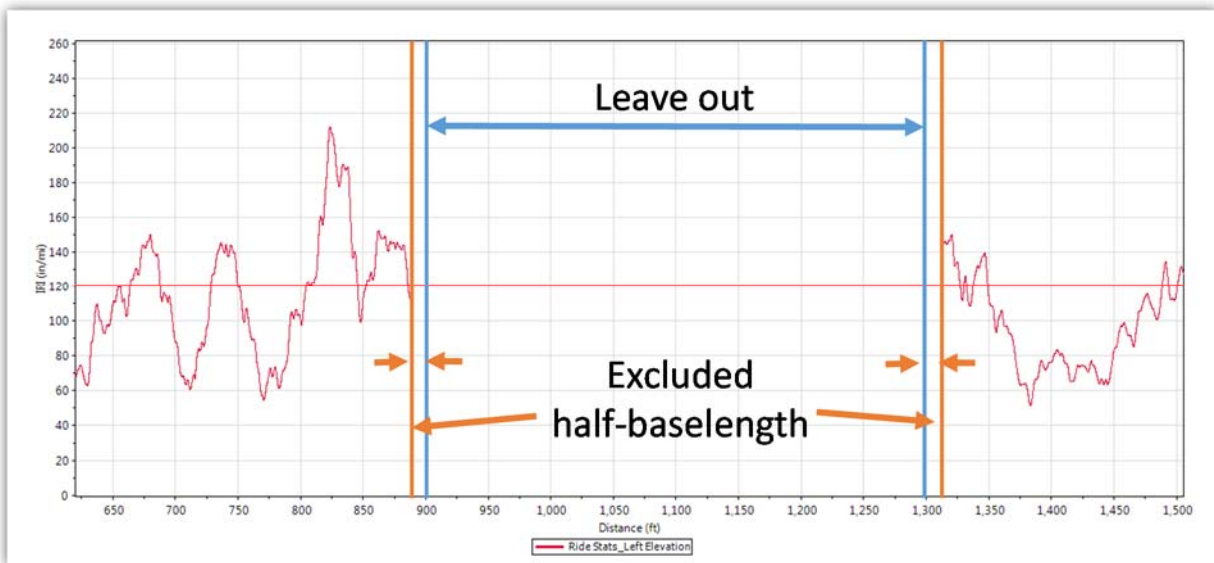
Long Continuous

Long Continuous Histogram

Fixed Interval

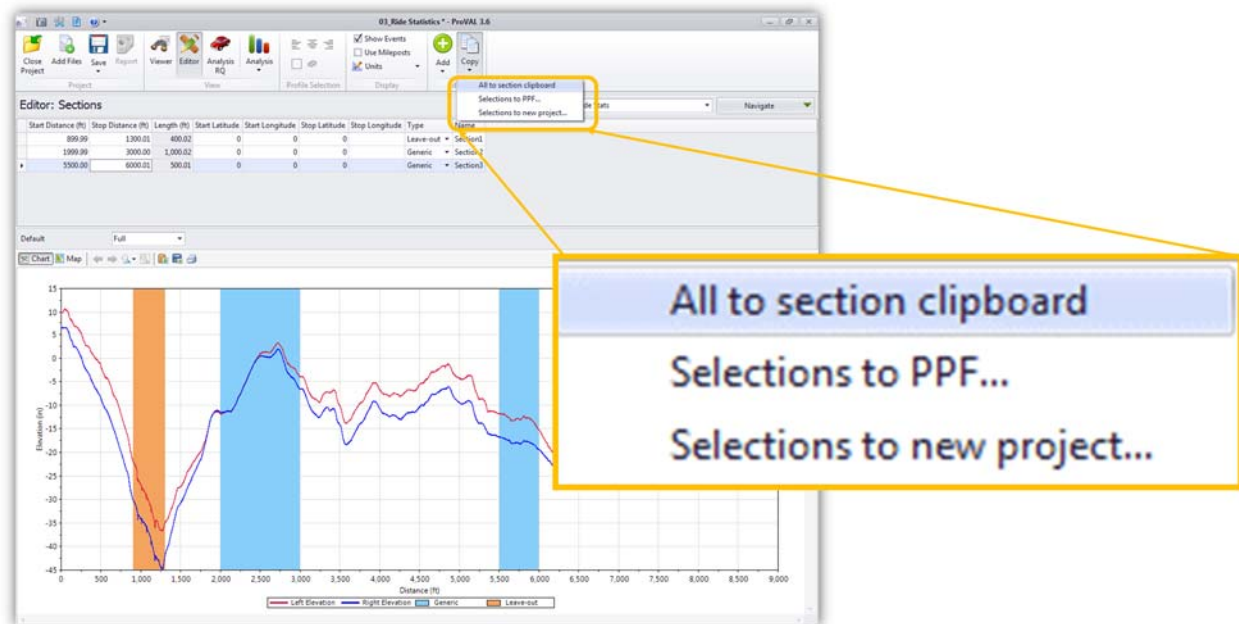
## IMPROVED CONTINUOUS ROUGHNESS REPORTS

- For continuous roughness (such as localized roughness) analysis in the Ride Quality and Smoothness Assurance modules, one-half of the baselength (e.g., 12.5 ft) both before and after a leave-out is now excluded.



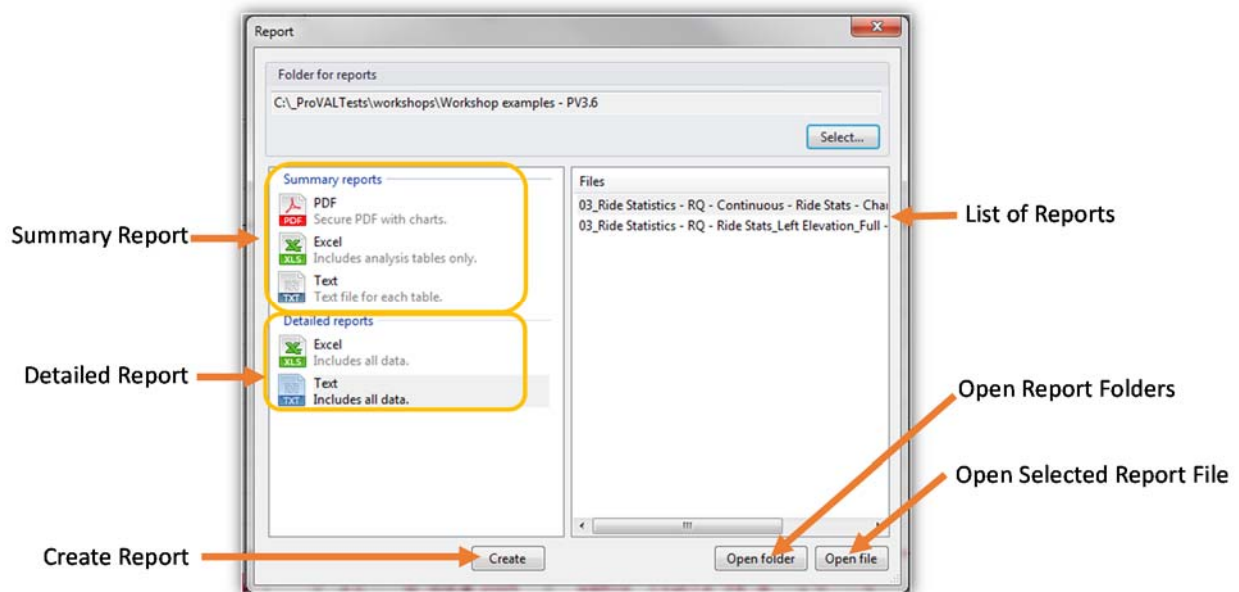
## IMPROVED EDITOR/SECTIONS

- Definitions of selected sections can be copied to the clipboard, then be reused to other files in the same project.
- Selected sections can be exported to PPF files, or
- Selected sections can be exported as files in a new project.



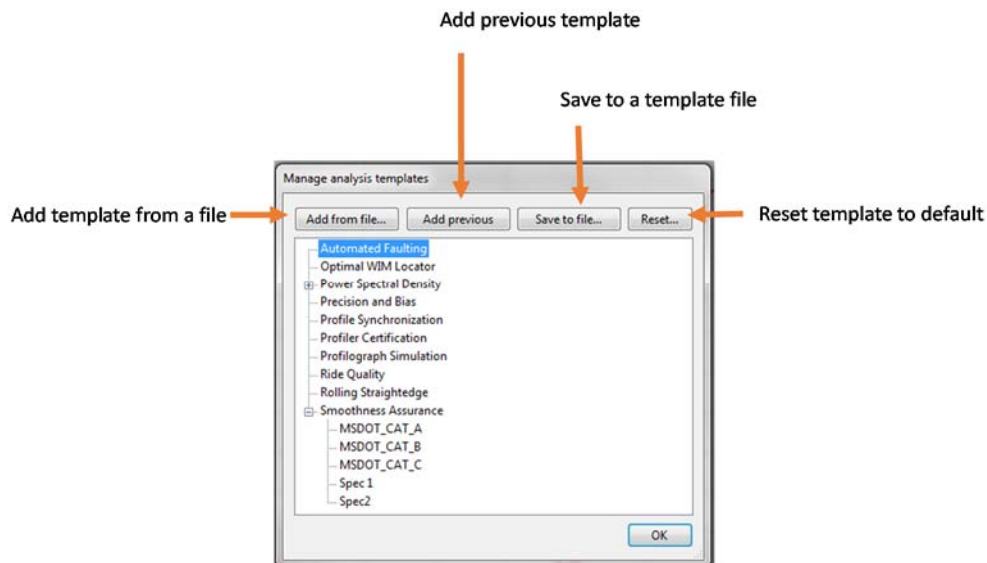
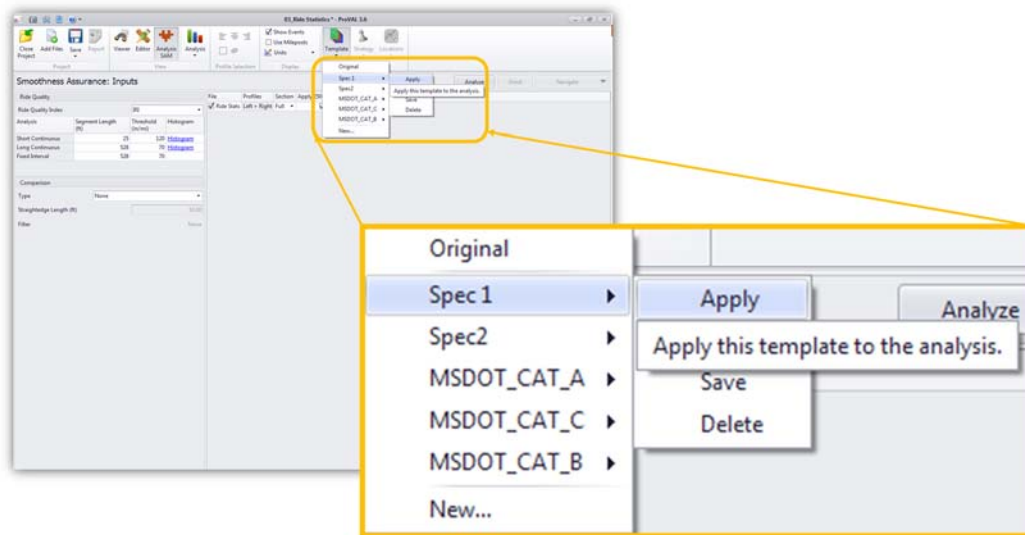
## IMPROVED REPORTS

- A list of all files created by the report is provided. Files can be opened from here, or the folder where they were created can be opened.



## IMPROVED ANALYSIS TEMPLATE MANAGEMENT

- Import and export of analysis templates was moved from the options to a new button in the title toolbar. Individual templates are also now listed.
- When exporting analysis templates, built-in templates are no longer included.
- Added help text to improve the usage of the template commands (Apply, Edit, Save, Delete).





Check out further details in the ProVAL 3.6 release notes and Users' Manual!

[www.RoadProfile.com](http://www.RoadProfile.com)

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