



Pavement Conformance Report (Advanced)

Command Description

The Pavement Conformance Report (Advanced) command is a pavement conformance reporting tool that supports measuring vertical, perpendicular, cross-fall, pavement thickness and edge data. Various options for summary display and an option to visualise output in plan-view prior to creating report.

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Vertical | XFall | Thickness | Edges | Summaries | Details | Visualization

Conformance points:
Selected: 1 [Options]

Alignment (optional for offsets and xfall):
[]

Restrict chainage

Start chainage: [0.000] End chainage: [0.000]

Conformance surface:
New Surface [v]

Measure perpendicular

Left extent: []

Right extent: []

Surface offset: [0.000] Chainage grouping: [1.000]

Upper tolerance: [0.050] Lower tolerance: [-0.050]

Show non-conformance errors
 Include easting/northing

[Create Report] [Visualize] [Close]

At the top of the command pane there is the ability to **load** and **save** a tolerance setting file. Once you have populated the command with the appropriate tolerances and setting for a report you can save it in a file that can be reloaded in the future.

Vertical tab

Conformance points	Select conformance points to use in the report.
Alignment	Select the control alignment. This is optional but must be used for computing XFall, Edges and Perpendicular conformance reports types.
Restrict chainage Start chainage End chainage	Check if you want chainages to be restricted between the Start Chainage and End Chainage you specify.
Conformance surface	Select the conformance surface.
Measure perpendicular Left extent Right extent	Check if you want the points to be checked perpendicular to the surface. Then use the Left extent and Right extent fields to specify the edges of the road so that only the surface between them is used (avoiding reporting on an incorrect section of the surface). This will create a temporary trimmed surface for the report on a Surface layer in your project called "Clipped conformance surface".
Surface offset	Enter the level distance from the design surface.
Chainage grouping	Enter the distance to use to group points.
Upper tolerance Lower tolerance	Enter the tolerance to check against.
Show non-conformance errors	Check if you want errors to be included in the body of the report.
Include easting/northing	Check if you want to report the easting and northing of the conformance point.

XFall tab

Include XFall	Check if you want to include cross-fall checking in the report.
XFall tolerance	Enter the cross-fall tolerance to report against from design to as-built.
Maximum chainage delta	Enter the distance within which points will be checked (avoiding irrelevant checks).
Direction	Choose the direction you want the cross fall to be reported relative to the alignment string. Relative to Control = Normal use for Road reporting. Reported left and right of alignment. Left to Right = Report all cross falls left to right with chainage Right to Left = Report all cross falls right to left with chainage

Thickness tab

Include Thickness	Check if you want thickness checking on the road.
Bottom surface	Select a surface.
Minimum thickness Maximum thickness	Enter the tolerances to check against.
Show non-conformance errors	Check if you want errors to be included in the body of the report.

Edges tab

Include edge report	Check if you want edge checking on the road.
Left alignment	Select a left alignment string.
Left extent Right extent	Enter the extents you want to use to search for the points on either side of the left alignment string.
Left tolerance Right tolerance	Enter the tolerances to check against for the left alignment.
Right alignment	Select a right alignment string.
Left extent Right extent	Enter the extents you want to use to search for the points on either side of the right alignment string.
Left tolerance Right tolerance	Enter the tolerances to check against for the right alignment.
Check vertical on edge point	Check if you want edge points to also report vertically.

Visualization tab

Create visualization layers	Check if you want conformance information to be displayed on layers in TBC.
Layer prefix	Enter a prefix to add to layer names.
Point text	Select what you want reported.
Clear visualization layers	Check if you want the layers to be cleared before adding new data.

Details tab

Title	Enter a title for the report (for example, the project name).
Description	Enter a description for the report.
Reference number	Enter a survey job reference number.
Author	Enter the name of the report's author.

Summaries tab

Select header summaries to include	Check the summary fields you want to include in the top of the report.
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