# Sitech Conformance Report

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

Conformance points:

Selected: 73    [Options]

*Select points*

Alignment:

Horizontal Alignment : MCW1

*Select control alignment*

☑ Restrict chainage

*Tick if you require the chainages to be restricted*

Start station:          End station:
350.000                 450.000

Conformance surface:

DESIGN 4000 RD IFC A 190603

*Select Surface*

☐ Measure perpendicular

*Tick if you require the points to be checked perpendicular to the surface*

Left extent:

*To use 'Perpendicular' it requires edges of the road to be chosen so that it will only use the surface between them and not report to an incorrect section of the surface*

Right extent:

*This will create a temp trimmed surface that it reports to and will be shown in TBC on a Surface layer called "Clipped conformance surface"*

Surface offset:        Station grouping:
-0.050                 2.000

*Level difference from design surface to report too.*

*Group points in the report based on this distance*

Upper tolerance:       Lower tolerance:
0.005                  -0.005

*Input the tolerances required to check against*

☐ Show non-conformance errors

*Tick this if you require errors shown within the report body*

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

☑ Include XFall

*Tick this if you require Cross-fall checking on the road*

XFall tolerance:       Maximum station delta:
0.50                   1.000

*Cross-fall tolerance to report against from design to Asbuilt.*

*Will only check points that fall within the distance above to avoid irrelevant checks*

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

☑ Include Thickness

*Tick this if you require Thickness checking on the road*

Bottom surface:

SG DESIGN

*Select Surface*

Minimum thickness:     Maximum thickness:
0.345                  0.355

*Input the tolerances required to check against*

☐ Show non-conformance errors

*Tick this if you require errors shown within the report body*

## Edges Tab

Tabs: Summaries | Details | Visualization
Vertical | XFall | Thickness | **Edges**

☑ Include edge report

Left alignment:
➤ Line string : ESL

| Left extent: | Right extent: |
|---|---|
| ↦ 0.100 | ↦ 0.100 |

| Left tolerance: | Right tolerance: |
|---|---|
| ↦ 0.050 | ↦ 0.050 |

Right alignment:
➤ Line string : ESR

| Left extent: | Right extent: |
|---|---|
| ↦ 0.100 | ↦ 0.100 |

| Left tolerance: | Right tolerance: |
|---|---|
| ↦ 0.050 | ↦ 0.050 |

☑ Check vertical on edge points

*Callouts:*
- Tick this if you require Edge checking on the road
- Select String or leave blank
- Input the extents required to search for the points either side of the string
- Input the tolerances required to check against
- Select String or leave blank
- Input the tolerances required to check against
- Input the extents required to search for the points either side of the string
- Tick this if you require Edge points to also report vertically

## Visualization Tab

Tabs: Vertical | XFall | Thickness | Edges
Summaries | Details | **Visualization**

☑ Create visualization layers

Layer prefix:
Conformance

Point text:
Conformance ⌄

☑ Clear visualization layers

*Callouts:*
- Tick this if you require the conformance information to be shown on layers in TBC as points
- Tick this if you require the layers to be cleared before adding the new data
- Add a layer name prefix
- Select what you want reported from the list

## Details Tab

Tabs: Vertical | XFall | Thickness | Edges
Summaries | **Details** | Visualization

Title:
Motorway Project

Description:
Top of Working Platform

Reference no:
190924JJ01

Author:
A1 Surveyor

*Callouts:*
- Title for report (Project Name)
- Survey job Reference name

## Summaries Tab

Tabs: Vertical | XFall | Thickness | Edges
**Summaries** | Details | Visualization

Select header summaries to include:
- ☑ Northing/Easting
- ☑ Vertical
- ☑ Thickness
- ☑ Edge

| Create Report | Visualize | Close |
|---|---|---|

*Callouts:*
- Tick the required summary fields you want displayed in the report
- Use this button to send results to the screen without creating a report.

## Sitech String Report

**Report | Summaries | Details | Visualization**

**Select As-built String** → As-Built:
Line string : String 2

**Select As-built points if required** → As-Built Points:
Selected: 0    Options

**Tick if you require the As-built point IDs on the Report** → ☑ Include point IDs

**Select Design line to report against (Can be the same as Control)** → Design:
Line string : ESL    Vertical offset:
0.000    ← **Too apply a vertical adjustment to the design string**

**Select control alignment to report Chainage and offset too** → Control:
Horizontal Alignment : MCW1

**Input the Vertical tolerances required to check against** → Upper tolerance:
0.020    Lower tolerance:
0.020

Left tolerance:
0.050    Right tolerance:
0.040    ← **Input the Horizontal tolerances required to check against**

**Tick if you require delta Easting and Northing Reported** → ☐ Include easting/northing delta

**Tick this if you want to only report the nodes on the As-built string** → ☑ Report at As-Built nodes

**Tick this if you want to report at regular intervals along the As-built string rather then nodes.** → ☐ Report at regular Control interval
Control interval:
5.000

**Tick if you require the chainages to be restricted** → ☐ Restrict chainage
Start station:
0.000    End station:
11.446

**Tick if you require the Design and Control String to be extended to be able to report points that maybe just past the end.** → ☐ Extend Control and Design strings
0.500

**Report | Summaries | Details | Visualization**

Select header summaries to include:

**Tick the required summary fields you want displayed in the report** → ☑ Details
☑ Vertical
☑ Horizontal

Report | Summaries | Details | Visualization

Title:

Motorway Project

**Title for report (Project Name)** →

Description:

Top of Wall

Reference no:

191212AA1

**Survey job Reference name** →

Author:

A1 Survey

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Report | Summaries | Details | Visualization

☑ Create visualization layers

**Tick this if you require the conformance information to be shown on layers in TBC as points** →

Layer prefix:

StringConformance

← **Add a layer name prefix**

Point text:

VerticalDelta

← **Select what you want reported from the list**

**Tick this if you require the layers to be cleared before adding the new data** →

☑ Clear visualization layers

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Create Report | Visualize | Close

**Use this button to send results to the screen without creating a report.**