

AssetWise Inspections Mobile Configuration Guide

Updated: 7/6/2023

Introduction

AssetWise Inspections Mobile is a companion app to the AssetWise Inspections web portal. App specific configuration is done through the website.

Working Set

On first login, it's a good idea to limit the number of assets in your working set to cut down on initial data download.

Troubleshooting tip: If initial sync fails after a long wait, check to make sure your working set only contains a handful of assets. Large working sets will slow down the initial download.

Form Mapping

To create an inspection of a report type on mobile, at least one **mobile** form must be mapped to the report type. Report types that don't have any mobile forms mapped will not appear in the Report Type dropdown when creating a report.

Configure ▼ **Asset and Report Settings : Report Types**

Report Types 🔗 Routine

General Asset Types Inspection Types **Input Forms** Output Report Advanced Settings

Web

Mobile

+ Add Form Group

→ Field Notes 10	✎ + 🗑️ ↕
▾ RFGs	✎ + 🗑️
↕ Roadway rfg	🗑️
→ Condition Rating 8	✎ + 🗑️ ↕
→ Maintenance 2	✎ + 🗑️ ↕

Troubleshooting tip: If Report Type dropdown is blank on mobile when creating a report, it's because no mobile forms are mapped to that report type.

Form Configuration

Type: Designer

Designer forms are the 'Forms Designer' type and will be the most common type of configuration needed.

 Configure ▾

Asset and Report Settings : Forms

Forms ▶ Old Follow Up Action Form

General | Role Security

Name: *

Platform: *

Description:

Type: *

 Design

Mobile displays all fields and labels in a **single-column** format. The order is determined by the coordinates of objects placed on Forms Designer.

Behind the scenes, there is a numerical **order** column that re-calculates every time the form is saved.

The **Order** recalculates based on X and Y coordinates in the layout.

Forms Designer

Step 1: Order X coordinates

Old Follow Up Action Form*

FOLLOW-UP ACTIONS ¹

Structure Number ² ³ Inspector ⁴ ⁷
Facility Carried ⁵ ⁶ Inspection Date ⁷ ¹⁰
Feature Intersected ⁸ ⁹ Maint. Section ¹⁰

Reference Feature	Recommended Action/Comment	Component Rating	Rec. Type
#1	<input type="text"/>	<input type="text"/>	<input type="text"/>
#2	<input type="text"/>	<input type="text"/>	<input type="text"/>
#3	<input type="text"/>	<input type="text"/>	<input type="text"/>
#4	<input type="text"/>	<input type="text"/>	<input type="text"/>
#5	<input type="text"/>	<input type="text"/>	<input type="text"/>
#6	<input type="text"/>	<input type="text"/>	<input type="text"/>

Step 2: Order Y coords

12:29

← Old Follow Up Action Form

FOLLOW-UP ACTIONS ¹

Structure Number ²

³

Inspector ⁴

Facility Carried ⁵

⁶

Inspection Date ⁷

Feature Intersected ⁸

⁹

Maint. Section ¹⁰

Recommended Action/Comment

Positioning

Check coordinates of items in the positioning window on the **right side** of Forms Designer:



The image shows a 'Positioning' panel with the following fields:

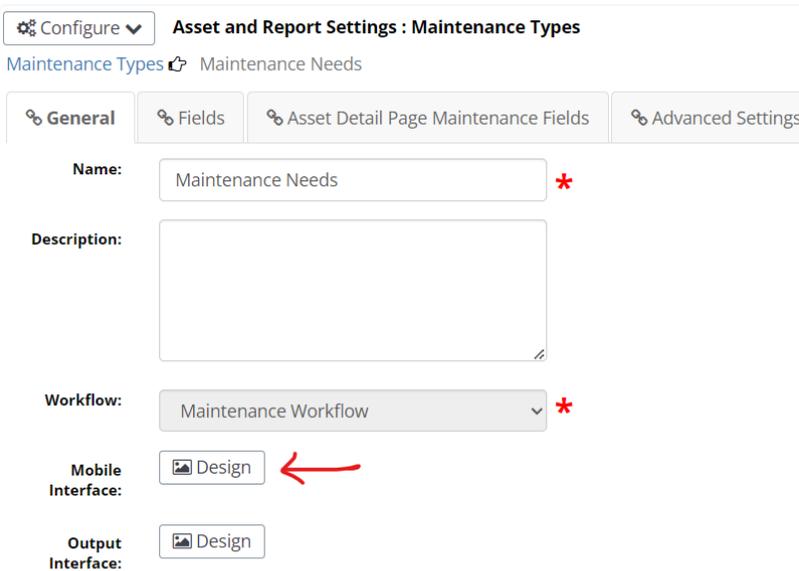
Top:	<input type="text" value="9px"/>
Left:	<input type="text" value="7px"/>
Width:	<input type="text" value="850px"/>
Height:	<input type="text" value="20px"/>
Element Group:	<input type="text" value=""/>

Top: Y coordinate of the top-left corner

Left: X coordinate of the top-left corner

Type: Maintenance Items

The Maintenance form is shown automatically on mobile if Maintenance Items are allowed to be created on the asset. It does **not** need a form mapped.



The image shows the 'Asset and Report Settings : Maintenance Types' configuration page. It includes tabs for 'General', 'Fields', 'Asset Detail Page Maintenance Fields', and 'Advanced Settings'. The 'General' tab is active, showing the following fields:

- Name:** *
- Description:**
- Workflow:** *
- Mobile Interface:** ←
- Output Interface:**

Each Maintenance Item has its own mobile interface that is configured in Forms Designer.

The same XY ordering concept applies to interfaces.

Type: Repeating Field Group

The form type used for displaying repeating field groups

⚙️ Configure ▾

Asset and Report Settings : Forms

Forms ▶ Roadway rfg

General | Role Security

Name: *

Platform: *

Description:

Type: *

Repeating Field Group: *

 Design

Select the Repeating Field Group type to be used.

Design from the Form configuration page allows you to design the **Header** of the RFG.

An RFG form must have at least **one** element in it's header form.

RFG configuration

Configure ▾ Asset and Report Settings : Repeating Field Groups

Repeating Field Groups ↗ Roadway

General Fields Instances Advanced Settings

Name: Roadway *

Description: TXDOT Specific Roadway Repeating Field Group

Type: Designer *

Available on queries? Yes No

Web Interface: Design

Mobile Interface: Design ←

Output Interface: Design

Templates can be designed from the RFG config page.

The same XY ordering concept applies to templates.

*Make sure to select Mobile Interface Design

Permissions

Configure ▾ Asset and Report Settings : Repeating Field Groups

Repeating Field Groups ↗ Roadway

General Fields Instances Advanced Settings

Add New Text: ADD NEW UNDERRECORI

Add Type: Button ▾

Can Delete: True ▾

Default Instance Count: 0

Reorder Type: Buttons ▾

Can Delete: Determines if RFGs can be deleted from mobile

Reorder Type: *NoReordering* disables re-ordering on mobile

Type: Elements

The Elements form is shown automatically on mobile if Report Type allows elements to be created. It does **not** need a form mapped on web.

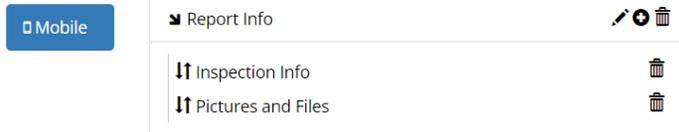
Troubleshooting tip: If you can't add elements to mobile within a report, navigate to the Elements form on web **for that asset** then resync.

Converting from InspectTech Collector Mobile

Obsolete Forms

Certain forms are no longer required to be mapped to a report type and should be **removed** from configuration:

- Inspection Info
- Pictures and Files
- Elements
- Maintenance



All of these are classified as form types:

- Product OR
- Maintenance

Both form types can be un-mapped and removed **once ready to convert fully to new mobile app.**

Converting Forms

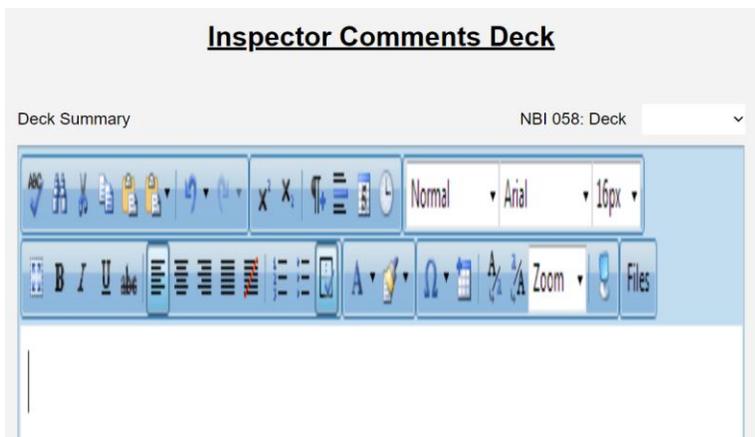
Existing mobile forms will already have the **order** column populated so technically they will work out of the box.

They will need spot checked to make sure labels/fields match up in a logical manner.

Troubleshooting

Memo Fields

These are not currently supported on mobile.



Erase Local Data

This setting returns from Collector. This will erase all local data on the device.

It is required when:

- Changing configuration on web
 - Forms, report types, etc

App Configuration

Usage Logging

Switch User

Erase Local Data

- The mobile app is updated
- Errors logging in / syncing

Long Load times during login

Make sure your Working Set only contains a handful of assets.

For additional troubleshooting, refer to the Mobile Application wiki in Azure (Bentley internal use only).