AssetWise Inspections Mobile

User Manual

Updated: 7/6/23

Introduction

AssetWise Inspections Mobile is used for transportation asset inspection such as bridges, culverts, tunnels, signs, light poles retaining walls – nearly any fixed asset.

Inspectors can:
- Capture complete asset information with a new level of mobility
- Collect inventory and condition data, maintenance needs, notes and comments, photos, video, and audio
- Work with or without an Internet connection

AssetWise Inspections Mobile is used in conjunction with Bentley's AssetWise Inspections web application.

Login
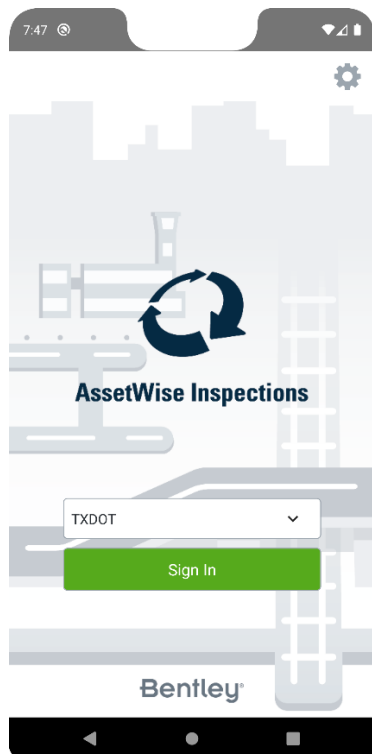
Permissions: On first download, the app will ask for a series of permissions for location tracking and access to device media.

An **IMS** account is required for login. Please contact your support rep for more information.

Enter the site name given for your organization, then select Sign In.

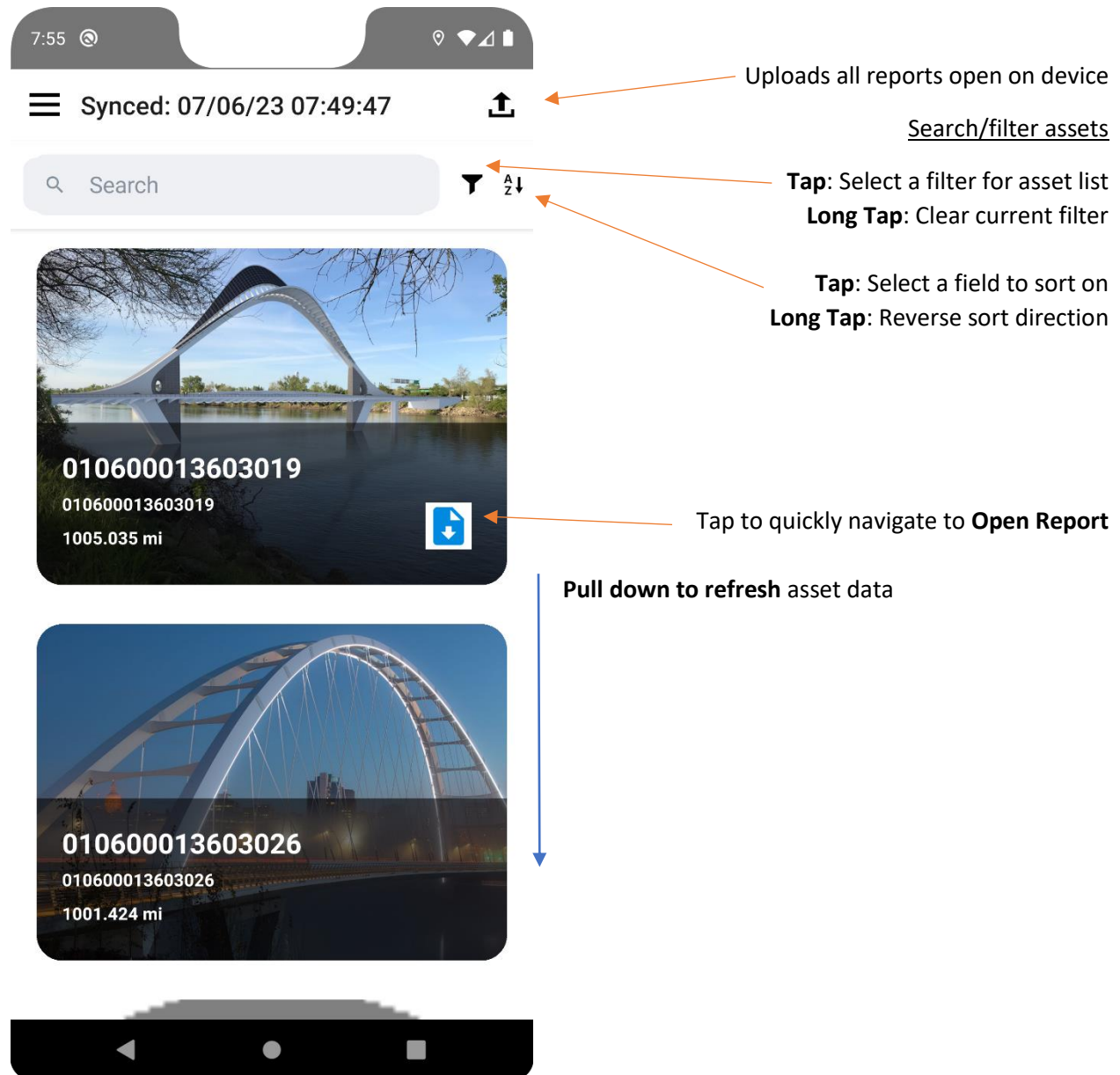You will be taken through the IMS login process.

Upon sucessful authenticaiton, the app will start to download initial data. **Please keep your phone awake during this process.**

Home

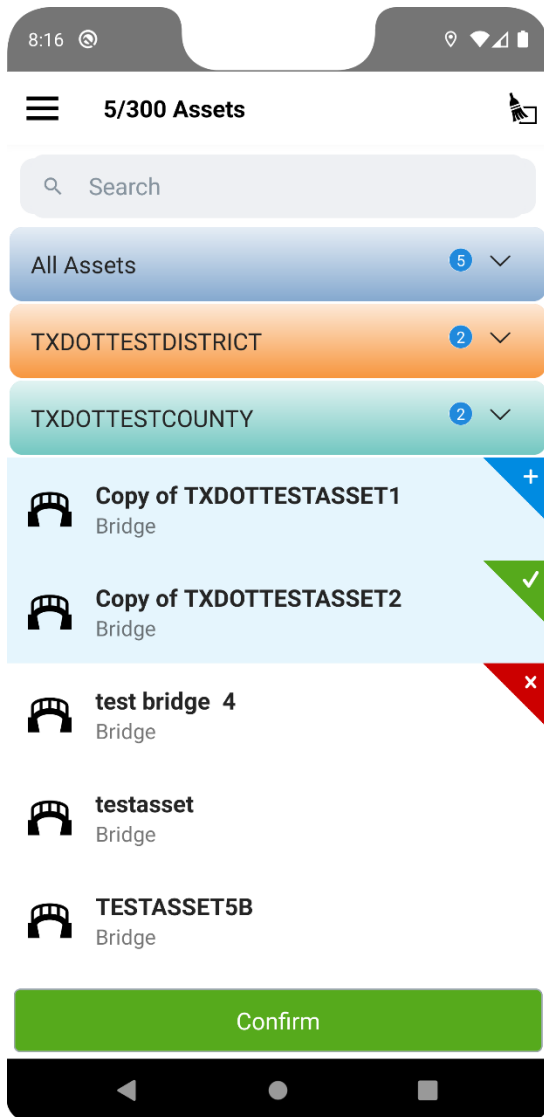The app is driven by a selection of assets, called **Working Set.**

The home screen lists all assets in your Working Set.

Uploads all reports open on device

<u>Search/filter assets</u>

Tap: Select a filter for asset list
Long Tap: Clear current filter

Tap: Select a field to sort on
Long Tap: Reverse sort direction

Tap to quickly navigate to **Open Report**

Pull down to refresh asset data

Working Set

Add/Remove assets from your **Working Set**.

No changes are made until Confirm is tapped.

Deselect all assets

Search for specific assets

Parents
Tap: Open/close parent
Long tap: Select all child assets underneath

Children
Badges indicate what the action is
Add
Current
Remove

8:16	◉ ▼◢ ▮
☰ 5/300 Assets	🧹

🔍 Search

All Assets ⑤ ⌄

TXDOTTESTDISTRICT ② ⌄

TXDOTTESTCOUNTY ② ⌄

🌉 **Copy of TXDOTTESTASSET1**
Bridge ＋

🌉 **Copy of TXDOTTESTASSET2**
Bridge ✓

🌉 **test bridge 4**
Bridge ✕

🌉 **testasset**
Bridge

🌉 **TESTASSET5B**
Bridge

Confirm

Asset Details

Shows selected asset fields and create, download, upload reports.

Only one report can be open for an asset at a time.
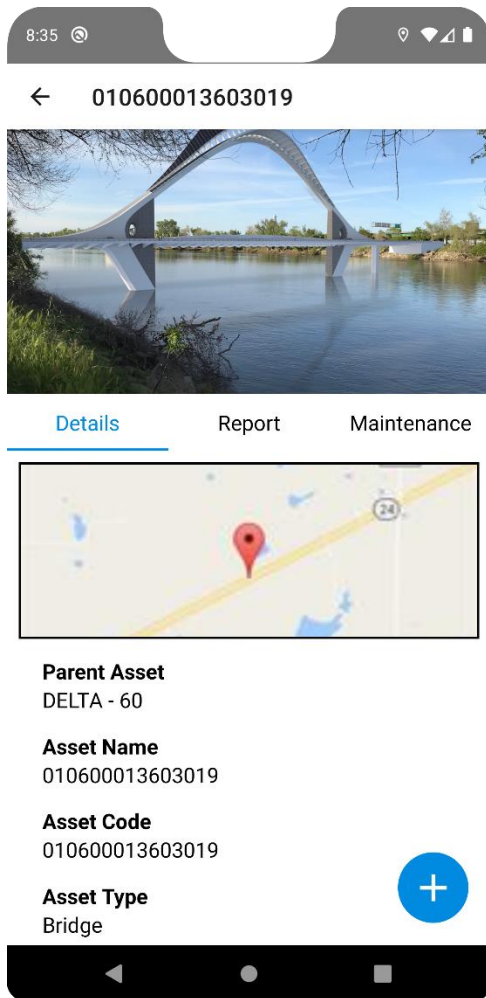
<u>FAB (Floating Action Button)</u>
Changes depending on if a report is open

No report

Create report

Report exists

Delete

Upload

Edit

Asset Report

If no report is open, the Report tab shows a list of reports to download from web.
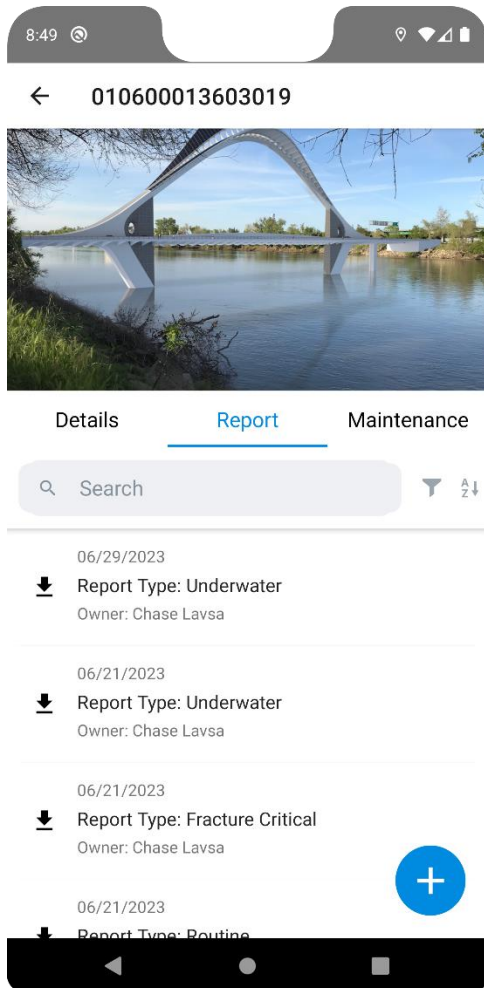
Tap to download a report

If report has media, the option to download them is given:

Download Report

This report contains 2 files. Do you want to download these files along with the report data? This may increase report download time.

CANCEL

NO, DOWNLOAD THE REPORT WITHOUT FILES.

YES, DOWNLOAD REPORT AND FILES.
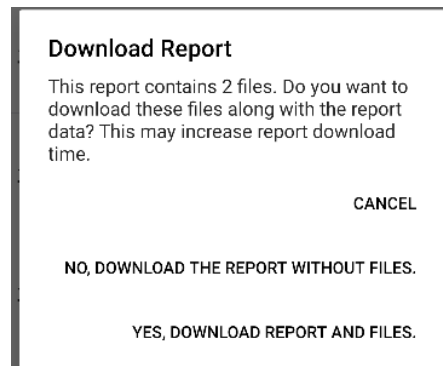
Pull down to refresh report list

Reports

Create Report

Select Report Type and any applicable Inspection Types.

Form

Most data collected will take place on a form. These are configured via the web.

Yellow background indicates an asset value

Red border indicates a required field

Gray text indicates a read-only field

<u>Bottom Form Bar (BFB)</u>

Button actions change depending on current form.

🛈 Navigates to Inspection Info form
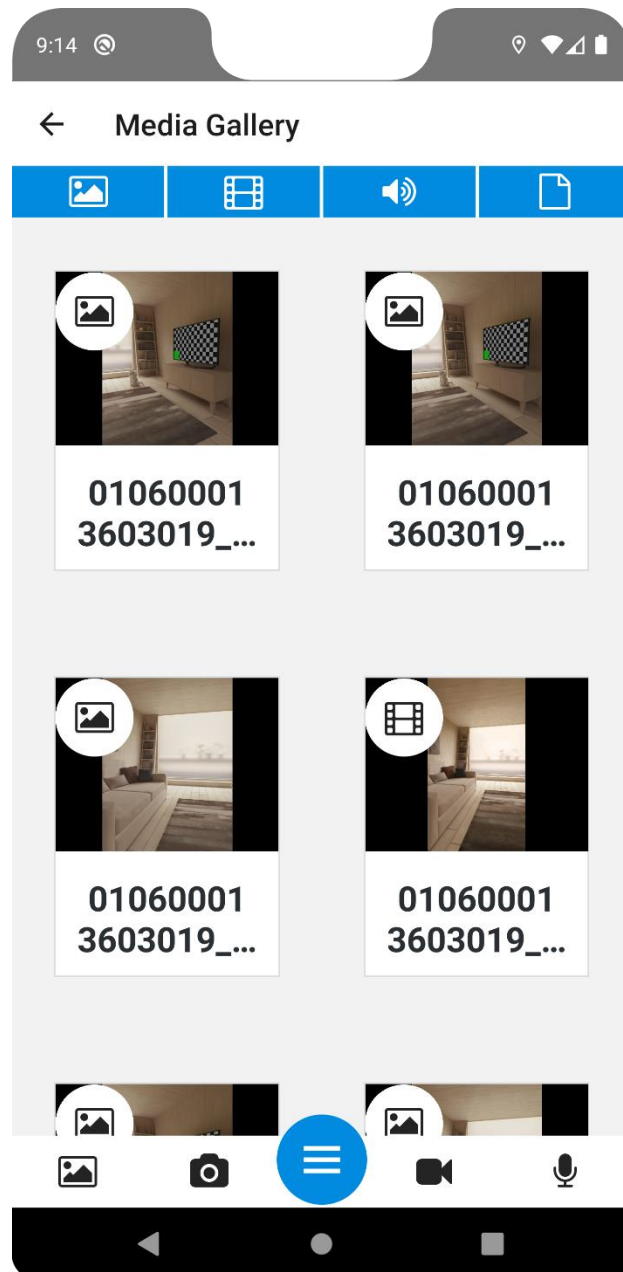
📷 Immediately opens camera to take a picture

∧   ∨

Quickly navigate between editable fields

☰ Opens the Form navigator

Media Gallery

Supports photos, video, and audio collection

Show / Hide media types

Media can be re-ordered by **tapping and dragging**. Order will persist to web.

Long Tap to reveal Delete button
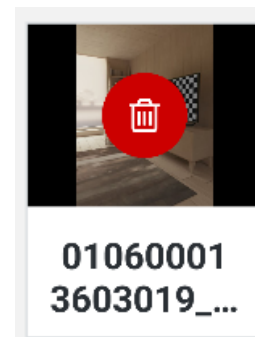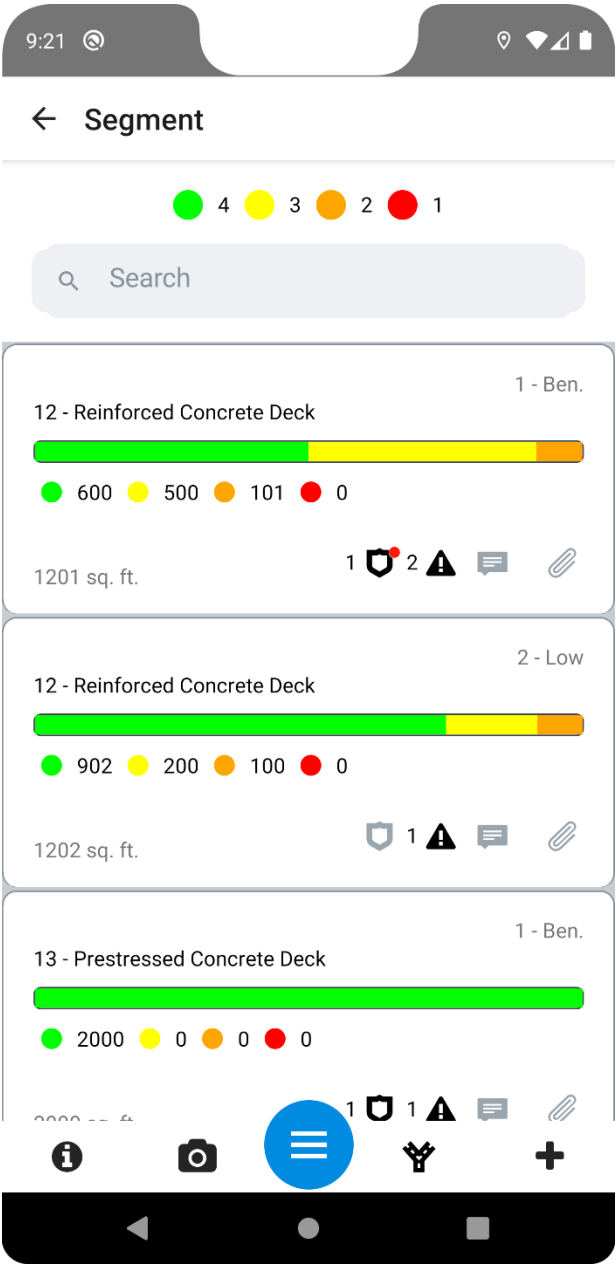

BFB

Add from device media

Take new photo

Record new video

Record new audio

Asset Elements

Manage structural elements and quickly view condition and attachments.

Condition State Bar
Quickly view condition state quantity

1 🛡 Protective system count
Red badge indicates a child defect

2 ⚠ Defect count

💬 Comment

📎 Media attachments to element

Gray icons indicate no item exists

BFB

⅄ Manage / switch segments

➕ Add new element

Element

Manage individual elements and enter their condition state data.

Condition state totals are calculated automatically.

Switch between elements

Add Protective System

Add Defect

Add comment

Red badge indicates text is already present
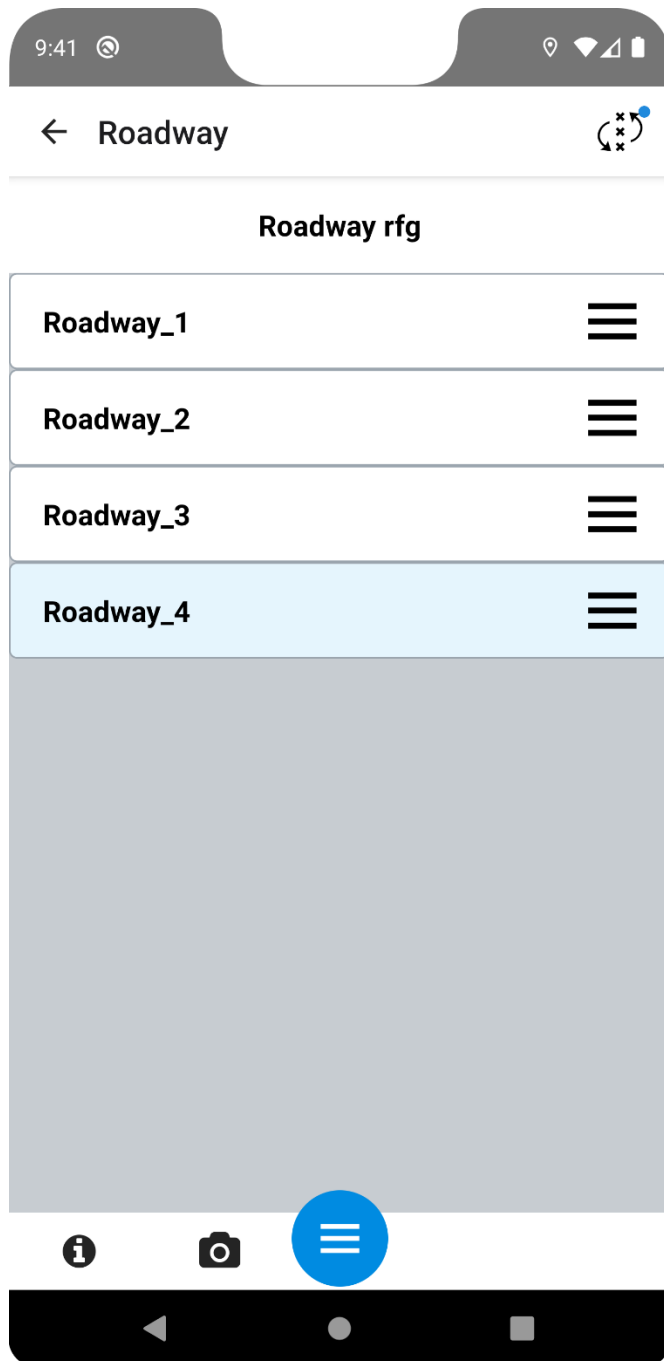
Attach media

Long tap to select items for deletion

Repeating Field Groups (RFGs)

Add, delete, and reorder RFGs.

Permissions for adding and reordering are set via web configuration.

Reset labels

When RFGs are reordered, this button will 'fix' labels to reset their order
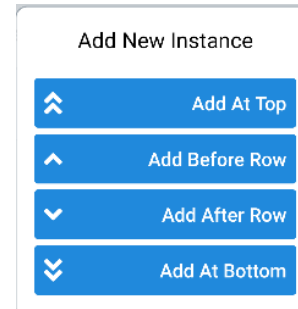
Navigate to header form

RFG row

Tap to navigate to RFG form

Tap and Drag to reorder rows

Swipe right to open add button
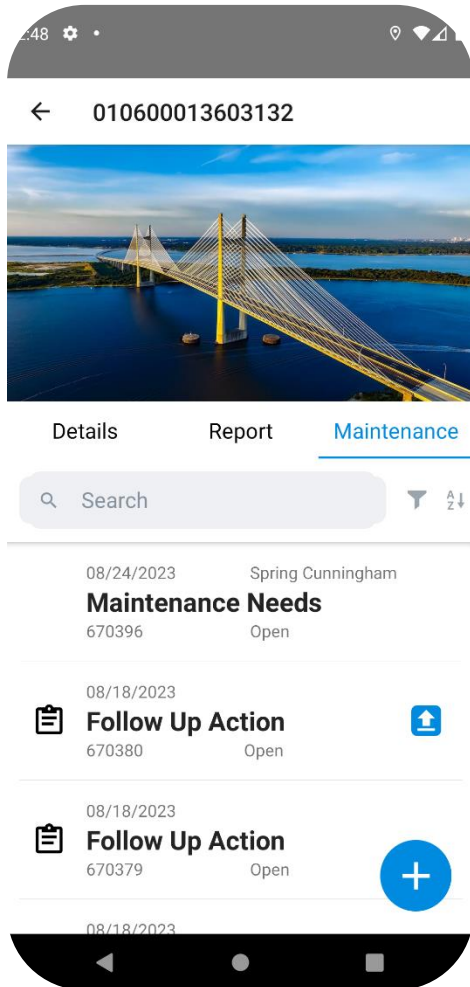
Add to any location in the list:

Swipe left to open delete button

Rows may be swiped all the way across in lieu of tapping the revealed button.

Maintenance Items

Open maintenance items will be shown in the Maintenance tab. Unlike reports, they are downloaded to the device when assets are synced.

Indicates maintenance item is linked to the active report

Uploads changes to Maintenance Item. Linking changes are uploaded with the report.
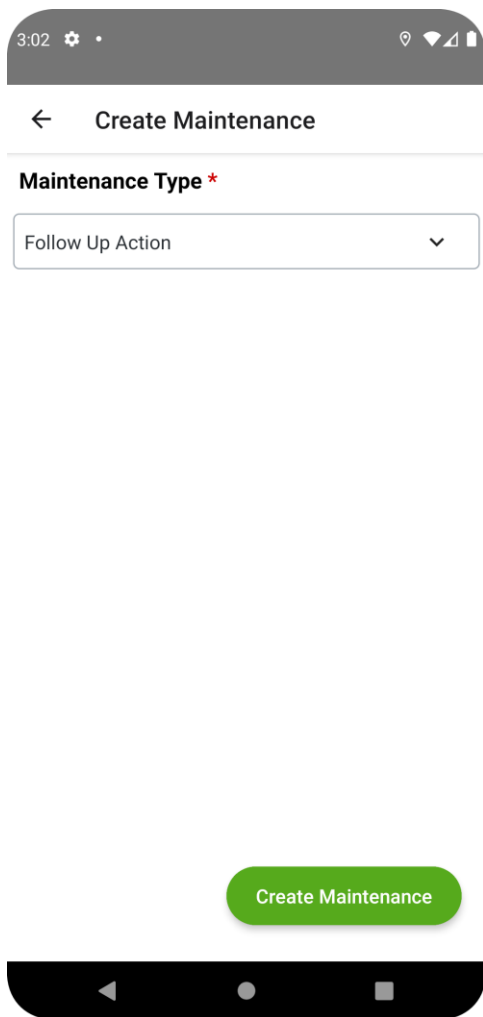
→ Create Maintenance Item

→ Uploads all changes to the asset: Report and Maintenance Items

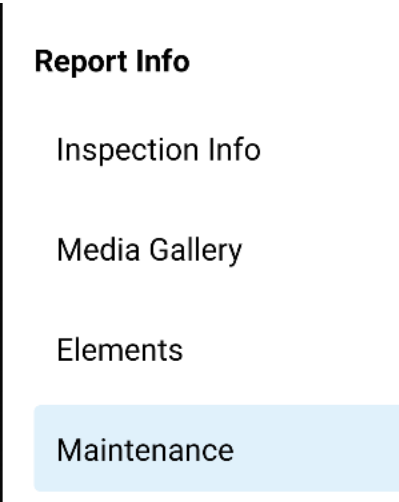**Pull down to refresh** Maintenance list

Create Maintenance

A maintenance item can be created by selecting the type and clicking "Create Maintenance".

Report Maintenance

Shows all maintenance items on the asset that can be or are already linked to the report

Report Info

Inspection Info

Media Gallery

Elements

Maintenance

Maintenance is included automatically in report forms if report type can support Maintenance Items
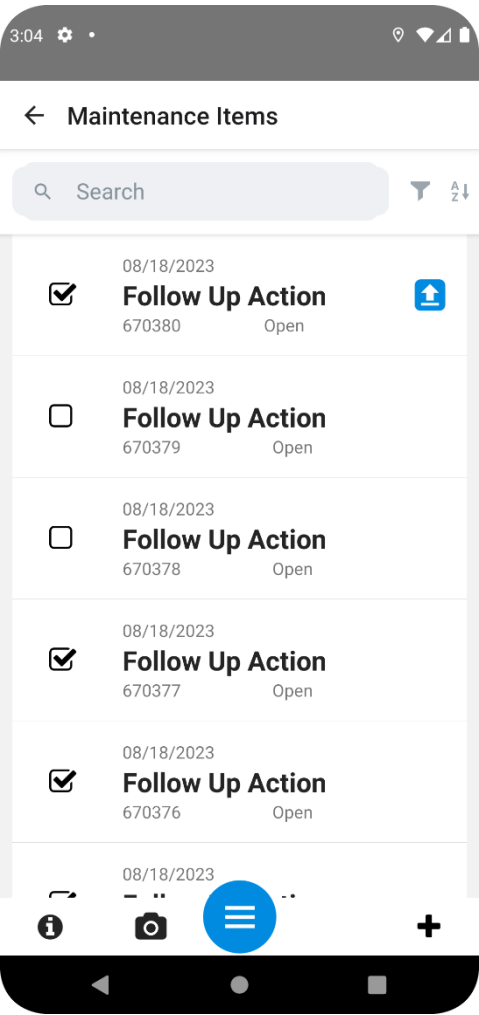
 Indicates if maintenance item is linked to the report

 Uploads changes to Maintenance Item. Linking changes are uploaded with the report

+ Create new Maintenance Item

Shows the assigned user and whether a report or elements are linked

Clear button

➔ If **new** item, will delete it permanently
➔ If **existing** item, any changes will be discarded and the item will be redownloaded from web

View Report Navigates to the linked report

View Elements Opens a list of all linked elements

Tap to navigate to element within a report

The link button pulls up a list of options

Link Item

Unassign From Self	Assign to User	**Link Report**	**Assign to Element**

Assign a maintenance item to yourself or another user if you have permission	Link or unlink the active report	Link one or more elements

Functionality for adding media to a maintenance item will come in a future enhancement. At this time, the button does not do anything.

∧ / ∨   Used to move up and down text fields

Select Element(s)

Segment

☑ 🛣 12 - Reinforced Concrete Deck (3 - Mod.)

☑ ⚠ 1130 - Cracking (RC and Other)

☑ 🛣 109 - Prestressed Concrete Open Girder/Beam (3 - Mod.)

☐ 🛣 215 - Reinforced Concrete Abutment (3 - Mod.)

☐ 🛣 234 - Reinforced Concrete Pier Cap (3 - Mod.)

☐ 🛣 205 - Reinforced Concrete Column (3 - Mod.)

Complete Selection

Settings

Asset List

Changes layout of Home
- Comfortable: Larger cards
- Compact: Smaller, thinner rows

Capture Mode

Take a single or multiple photos at a time

Clear Working Set

Clears Working Set and removes asset data from device

Usage Logging

Allows developers to collect usage data for support

Switch User

Signs out and clears all data on device

Erase Local data

Clears all data on device

Submit Feedback

Links to the AHA Ideas portal. Users can submit and vote on features they want to see added to the app.

EULA

Shows application EULA

More About AssetWise Inspections

Links to AWI product page

Version

Shows current app version