



Bridge Asset Management

Sandor Serestyen



> compassinformatics.com

PMS Mobile Applications



Bridge Asset Management – Google Play Store

Bridge Asset Management System

← bridge asset management system

Recommended for you

App Name	Rating
Smart QR	4.7 ★
Free Asset Management App	4.6 ★
Cat® Wear Management System	4.0 ★
Bridge Asset Management System	Installed

The screenshot shows search results for 'bridge asset management system'. At the bottom, the 'Bridge Asset Management System' app is highlighted with a blue oval, showing it is installed. The app icon features a green 'Br' logo.

Bridge Asset Management System (Beta)
Compass Informatics - MapRoad Mobile Suite of Apps

Install

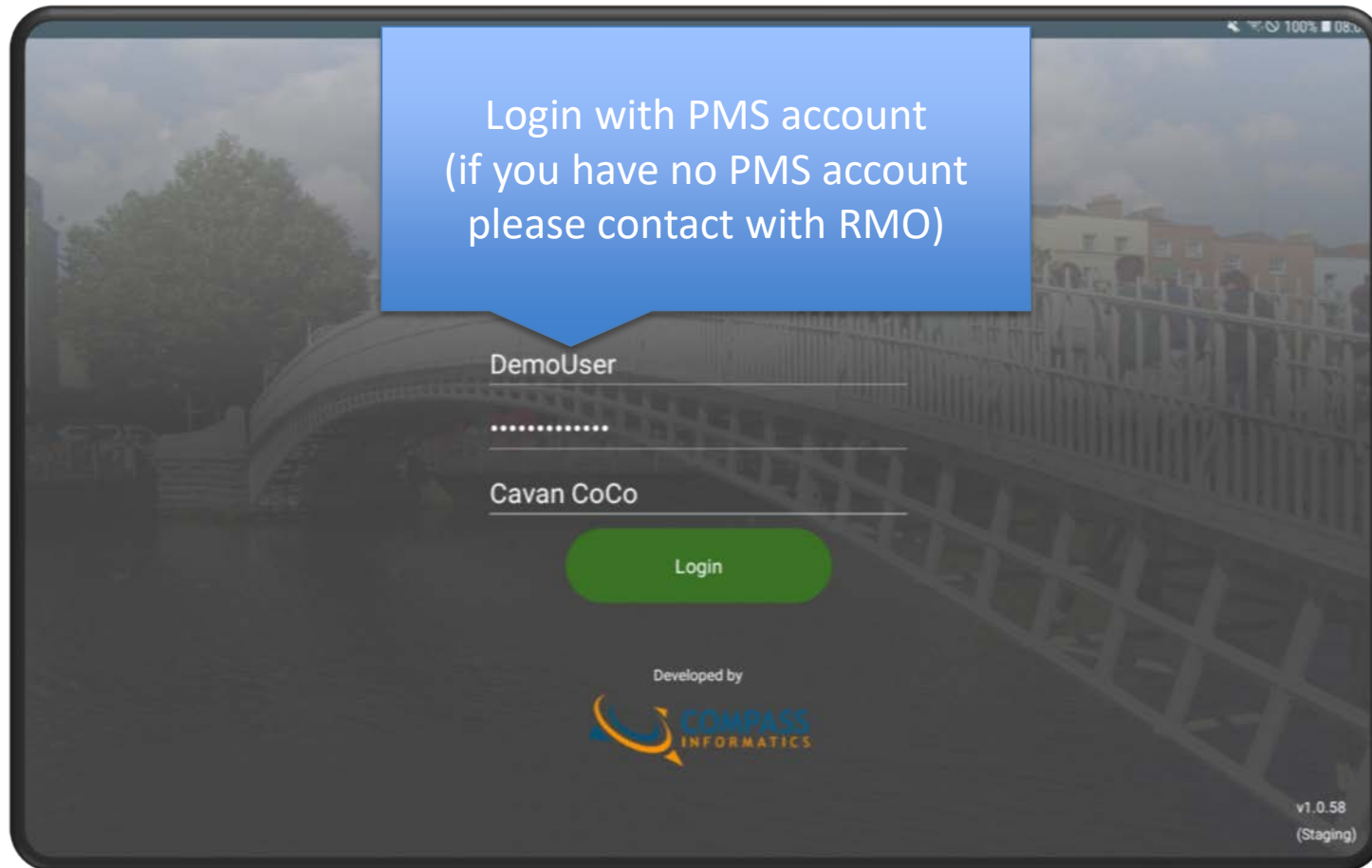
PEGI 3

- You're a beta tester for this app. Future updates will include beta versions.
- This app may not be optimised for your device

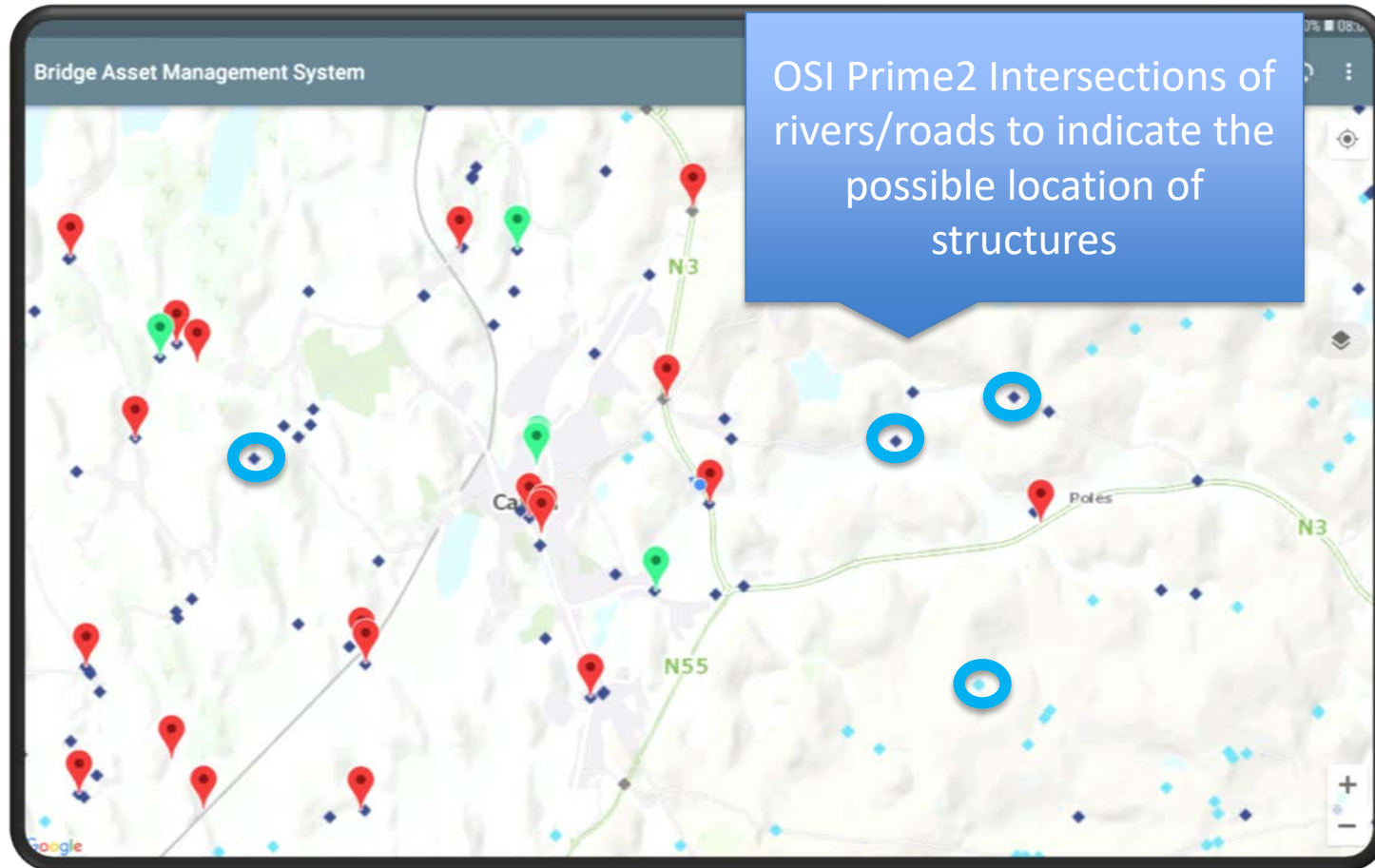
About this app →

The screenshot shows the app page for 'Bridge Asset Management System (Beta)'. The 'Install' button is circled in blue. The page includes a PEGI 3 rating, beta tester information, and two preview images: one of a 3D bridge model and one of a map with red location markers.

Bridge Asset Management



Intersections Layer (OSI)



Info window

The screenshot displays the Bridge Asset Management System interface. On the left, a data panel lists the following information:

- Structure Number (calculated): B3
- Structure Name (plate): Narracks Bridge
- Structure Name (alias): Narracks Bridge
- Last Surveyed Date: 2019.06.28
- Last Maintenance Inspection Date: 2019.08.27
- Last Engineering Inspection Date: [blank]

Below the data panel are three buttons: Bridge Inventory Survey, Maintenance Inspection, and Engineering Inspection. On the right, a map shows a road network with labels for 'N3', 'R212', 'TULLYMONGAN UPPER', and 'POLLAMORE NEAR'. Three blue callout boxes are overlaid on the map, pointing to specific locations: 'Bridge Inventory Survey (BIS)', 'Maintenance Inspection (MI)', and 'Engineering Inspection (EI)'. The top of the screen shows the system title 'Bridge Asset Management System' and standard mobile status icons.

Basic Inventory Survey (BIS)

← Bridge Inventory Survey

SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Does Access Hazard Exist?

Is Culvert?

* Structure Type

Arch

* Structure Material

Masonry

Concrete

Metal

Timber

Plastic

Captured Location

Lat: 53.98393, Lon: -7.346

Road Number

Set Location

Basic Inventory Survey (BIS)

← Bridge Inventory Survey SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Road Number
R212

* Structure Number (Calculated)
B3

Structure Name (Plate)

Structure Name (Alias) (15/50)
Narracks Bridge

* No. of Spans
1

* Total Span (m)
2

* Structure Length (m)

Set Location

Basic Inventory Survey (BIS)

← Bridge Inventory Survey SAVE AS DRAFT SAVE AND UPLOAD DISCARD

* Structure Length (m)
12

* Structure Width (m)
28

* Height of Opening (m)
2

Principal Function
Public Road

Structure Over
Watercourse

Structure Under
Select an item

Is In Skew?

Set Location

Basic Inventory Survey (BIS)

← Bridge Inventory Survey

SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Is Warning/Regulatory Sign Present?

Is Weight Restriction Present?

Services Evident

* Photos (4/4)

- 2019_01_18_12_59_35_2406.jpg
- 2019_01_18_12_59_59_5467.jpg
- 2019_01_18_13_00_16_2576.jpg
- 2019_01_18_13_00_43_9812.jpg

Download Thumbnails

Comments (21/300)

Imported from MapRoad

Set Default Image for BIS

Pymant Management System - Google Chrome

Set

Set

Set

Set

Map Layers

- OS (aerial)
- OS (panum)
- OS (satellite)
- OpenStreetMap
- OS Background
- OS (topographic)
- OS (vector)
- Road Layer
- Road Schedule
- Road Functions
- Road Classes
- Road Network
- Boundaries
- Nation Setting
- State Party Details
- AOUs
- Road Programme
- Speed
- Bridges
- Maintenance Inspection
- Engineering Inspection
- Weight Restriction
- Signage Restriction
- Max Since Maintenance
- Prime Bridges
- Road Intersections Layer
- Road Intersections
- Water Intersections
- Stream Intersections
- Fall Intersections
- Upload Layers
- Comms

Layers

- Bridges Maintenance Inspection
- Unloaded
- Good
- Warning
- Alert
- Bridge
- Churnt
- Clouder
- Plotting

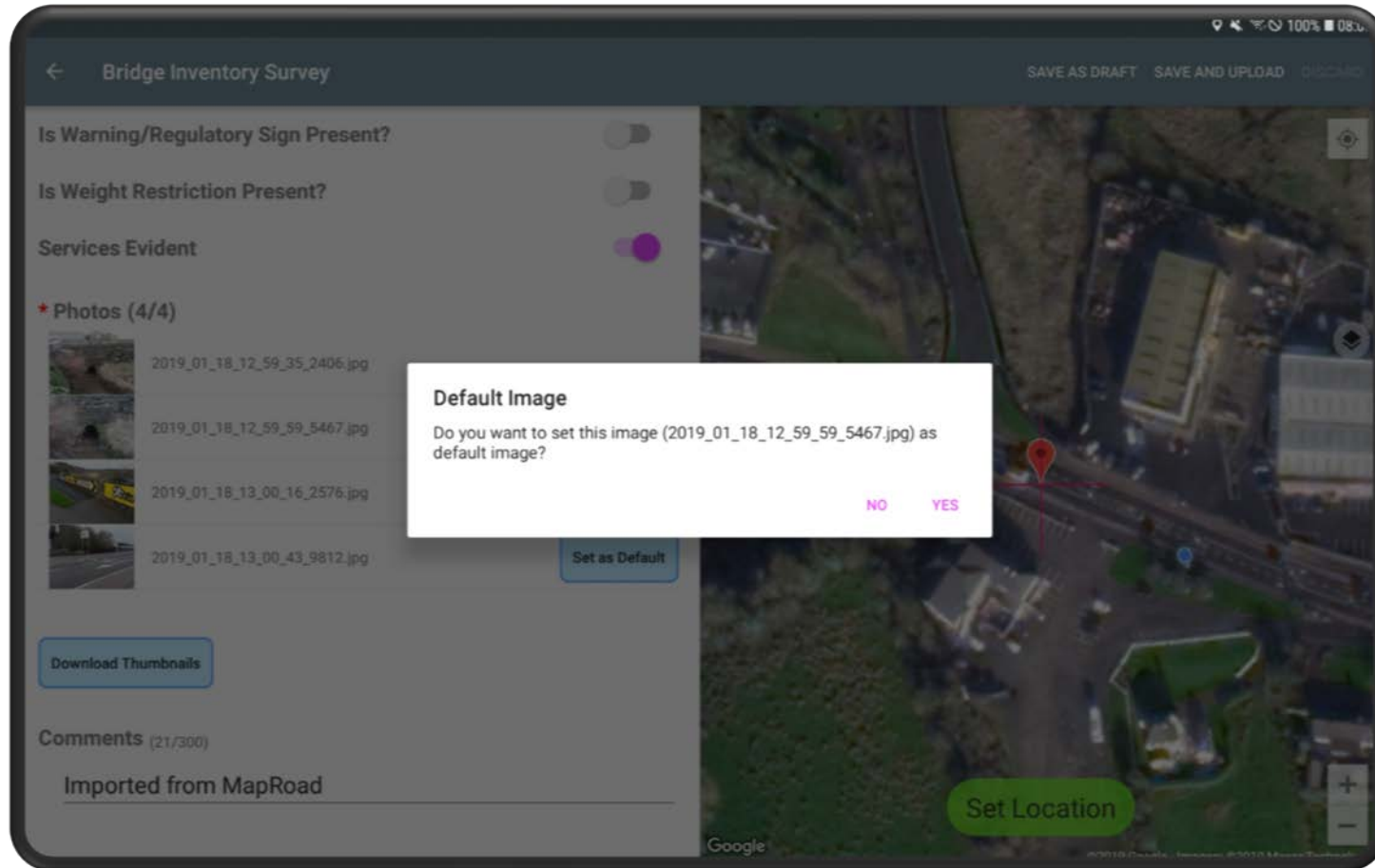
Map

1:50000

2019-01-18 11:03:03

Bridge Asset Management

Basic Inventory Survey



Maintenance Inspection (MI)

Maintenance Inspection SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Structure Number (calculated)
B3

Structure Name (plate)

Structure Name (alias)
Narracks Bridge

Comments
Imported from MapRoad

Inspector Name
DemoUser

*** Element Maintenance Rating**

- Parapets Change Rating
- Access and Egress Change Rating
- Vegetation Change Rating
- External walls Change Rating
- Abutments and Piers Change Rating
- Deck or Arch Change Rating

Overall Maintenance Rating

Additional Comments

*** Photos (0/6)**
Add Photo

MI – Element Rating

← Maintenance Rating

Please select a maintenance rating for Parapets

Part or all of parapet or safety rail missing, collapsed or significantly displaced.

Some damage-nuts missing, corrosion, deformation, cracking, vegetation causing disturbance, tilting, sliding, missing masonry.

Minor defects or vegetation growth only.

Select this if it is obvious the Structure never had a parapet. If unsure, please select RED!

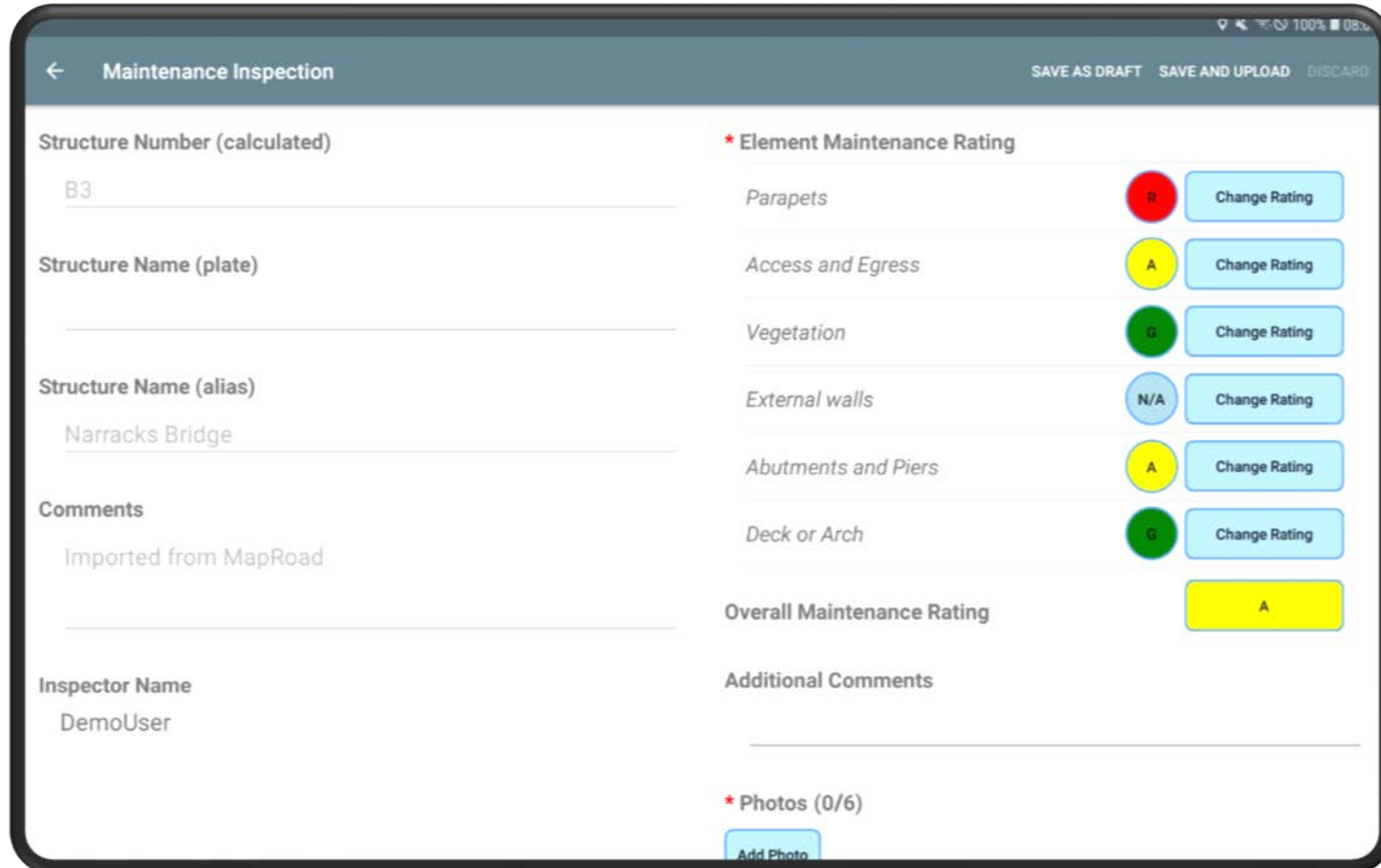
Red

Amber

Green

Not Applicable

Maintenance Inspection (MI)



Maintenance Inspection SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Structure Number (calculated)
B3

Structure Name (plate)

Structure Name (alias)
Narracks Bridge

Comments
Imported from MapRoad

Inspector Name
DemoUser

*** Element Maintenance Rating**

Parapets	R	Change Rating
Access and Egress	A	Change Rating
Vegetation	G	Change Rating
External walls	N/A	Change Rating
Abutments and Piers	A	Change Rating
Deck or Arch	G	Change Rating

Overall Maintenance Rating
A

Additional Comments

*** Photos (0/6)**
Add Photo

Engineering Inspection (EI)

← Engineering Inspection SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Structure Number (calculated)
B3

Structure Name (plate)

Structure Name (alias)
Narracks Bridge

Comments
Imported from MapRoad

Inspector Name
DemoUser

Photos (0/30)
[Open Photos](#)

Component Condition Rating

Bridge Surface	<input type="radio"/>	Change Rating
Footpath Verges rubbing strips Medians	<input type="radio"/>	Change Rating
Parapets and Safety Rails	<input type="radio"/>	Change Rating
Embankment and Revetments (including Retaining walls)	<input type="radio"/>	Change Rating
Wingwalls, Retaining walls and Spandrels	<input type="radio"/>	Change Rating
Abutments (also see riverbed)	<input type="radio"/>	Change Rating
Piers (also see riverbed)	<input type="radio"/>	Change Rating
Spandrels	<input type="radio"/>	Change Rating
Arch Barrels and External Voussoirs	<input type="radio"/>	Change Rating
Beams/Girders	<input type="radio"/>	Change Rating
Slab/Deck	<input type="radio"/>	Change Rating

EI – Component Rating

← Component Condition Rating

Please select a rating for Bridge Surface

No damage	1 - Insignificant Damage (VL)
Minor surface issues drainage issues, broken expansion joints	2 - Some Damage, (L) Repair when convenient
Rutting, potholes, rutting, slight cracking, crazing, loss of skid resistance	3 - Significant Damage, (M) Repair needed very soon
Large potholes, deep ruts, ravelling, depressions, severe loss of skid resistance. Structural deck / arch exposed.	4 - Critical Damage (H) Repair needed immediately
Surface unsafe, structural deck/arch exposed with component breakdown, holes through superstructure	5 - Ultimate Damage (U) Bridge

Engineering Inspection (EI)

Engineering Inspection

Inspector Name: DemoUser

Photos (0/30)
Open Photos

SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Spandrels	<input type="radio"/>	Change Rating
Arch Barrels and External Voussoirs	<input type="radio"/>	Change Rating
Beams/Girders	<input type="radio"/>	Change Rating
Slab/Deck	<input type="radio"/>	Change Rating
Riverbed	<input type="radio"/>	Change Rating
Bearings and Expansion Joint	<input type="radio"/>	Change Rating
Other Elements and Special features	<input type="radio"/>	Change Rating
* Condition Rating (CR)	<input type="range"/>	
Is Survey Finished?	<input type="checkbox"/>	
Additional Comments		

Engineering Inspection (EI)

← Component Condition Rating

Please select a rating for Condition Rating (CR)

1 - Insignificant Damage (VL)	2 - Some Damage, (L) Repair when convenient	3 - Significant Damage, (M) Repair needed very soon	4 - Critical Damage (H) Repair needed immediately	5 - Ultimate Damage (U), Bridge closure/lane restriction needed
-------------------------------	---	---	---	---

Save Cancel

EI - Cloning

Engineering Inspection

SAVE AS DRAFT SAVE AND UPLOAD DISCARD

Structure Number (calculated)
B3

Structure Name (plate)

Structure Name (alias)
Narracks Bridge

Comments
Imported from MapRoad

Inspector Name
DemoUser

Photos (0/30)
Open Photos

Component Condition Rating

Bridge Surface	1	Change Rating
Footpath Verges rubbing strips Medians	4	Change Rating
Parapets and Safety Rails		Change Rating
Embankment and Revetments (including Retaining walls)		Change Rating
Wingwalls, Retaining walls and Spandrels	2	Change Rating
Abutments (also see riverbed)		Change Rating
Piers (also see riverbed)		Change Rating
Spandrels		Change Rating
Arch Barrels and External Voussoirs		Change Rating
Beams/Girders		Change Rating
Slab/Deck		Change Rating

EI - Cloning

The screenshot shows a mobile application interface for an Engineering Inspection. The form is titled "Engineering Inspection" and includes fields for "Structure Number (calculated)" (B3), "Structure Name (plate)", "Structure Name (alias)" (Narracks Bridge), "Comments" (Imported from MapRoad), "Inspector Name" (DemoUser), and "Photos (0/30)". A "Component Condition Rating" table is visible on the right, listing various bridge components with their current ratings and "Change Rating" buttons. A white warning dialog box is overlaid on the form, asking "Have you completed this survey? (Once it is marked as complete it cannot be cloned!)" with "NO" and "YES" options.

Engineering Inspection

SAVE AS DRAFT SAVE AND UPLOAD

Structure Number (calculated)
B3

Structure Name (plate)

Structure Name (alias)
Narracks Bridge

Comments
Imported from MapRoad

Inspector Name
DemoUser

Photos (0/30)
Open Photos

Component Condition Rating

Bridge Surface	1	Change Rating
Footpath Verges rubbing strips Medians	4	Change Rating
Parapets and Safety Rails		Change Rating
...		Change Rating
...	2	Change Rating
...		Change Rating
Piers (also see riverbed)		Change Rating
Spandrels		Change Rating
Arch Barrels and External Voussoirs		Change Rating
Beams/Girders		Change Rating
Slab/Deck		Change Rating

Warning
Have you completed this survey? (Once it is marked as complete it cannot be cloned!)

NO YES

Image Gallery (EI)

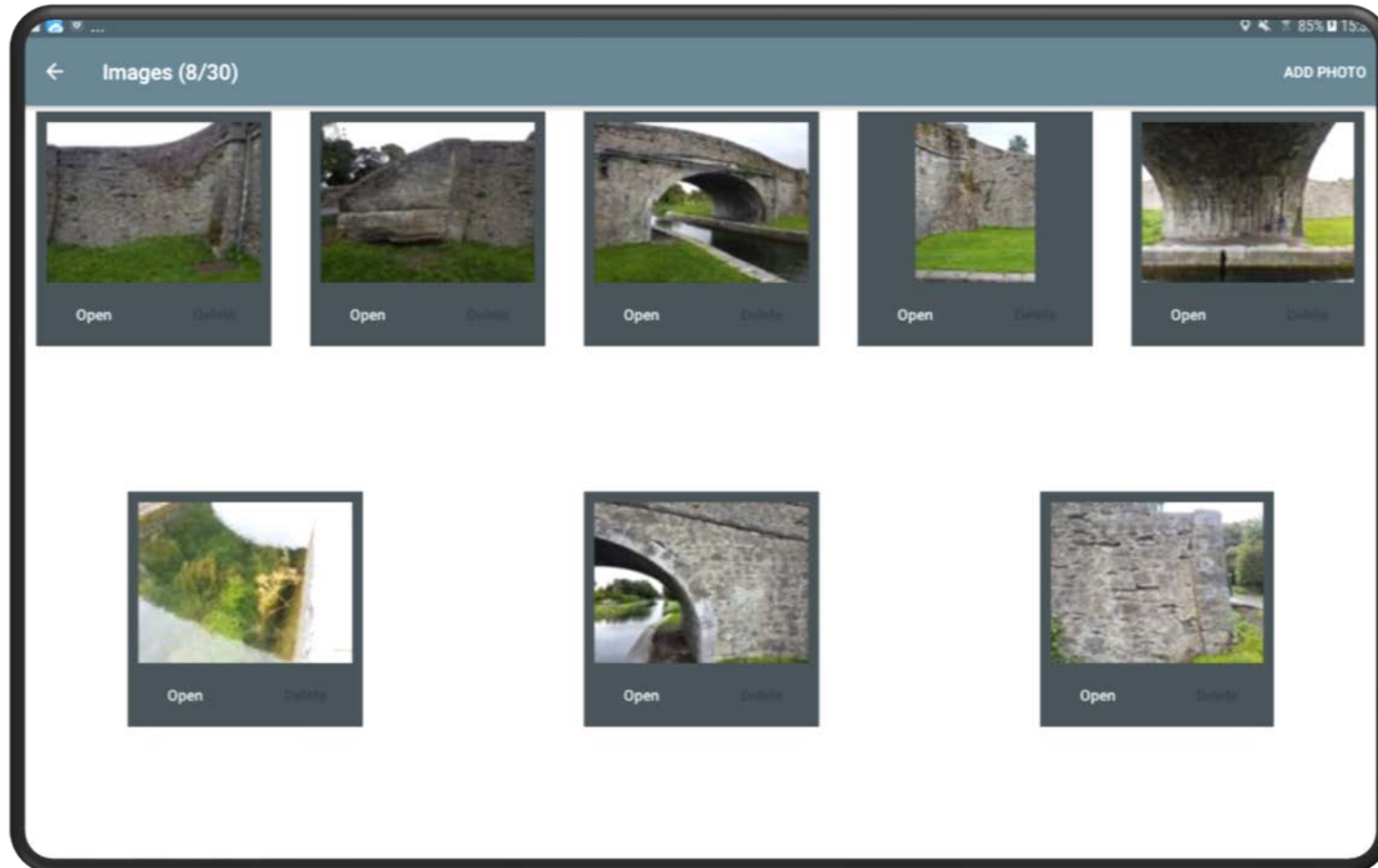
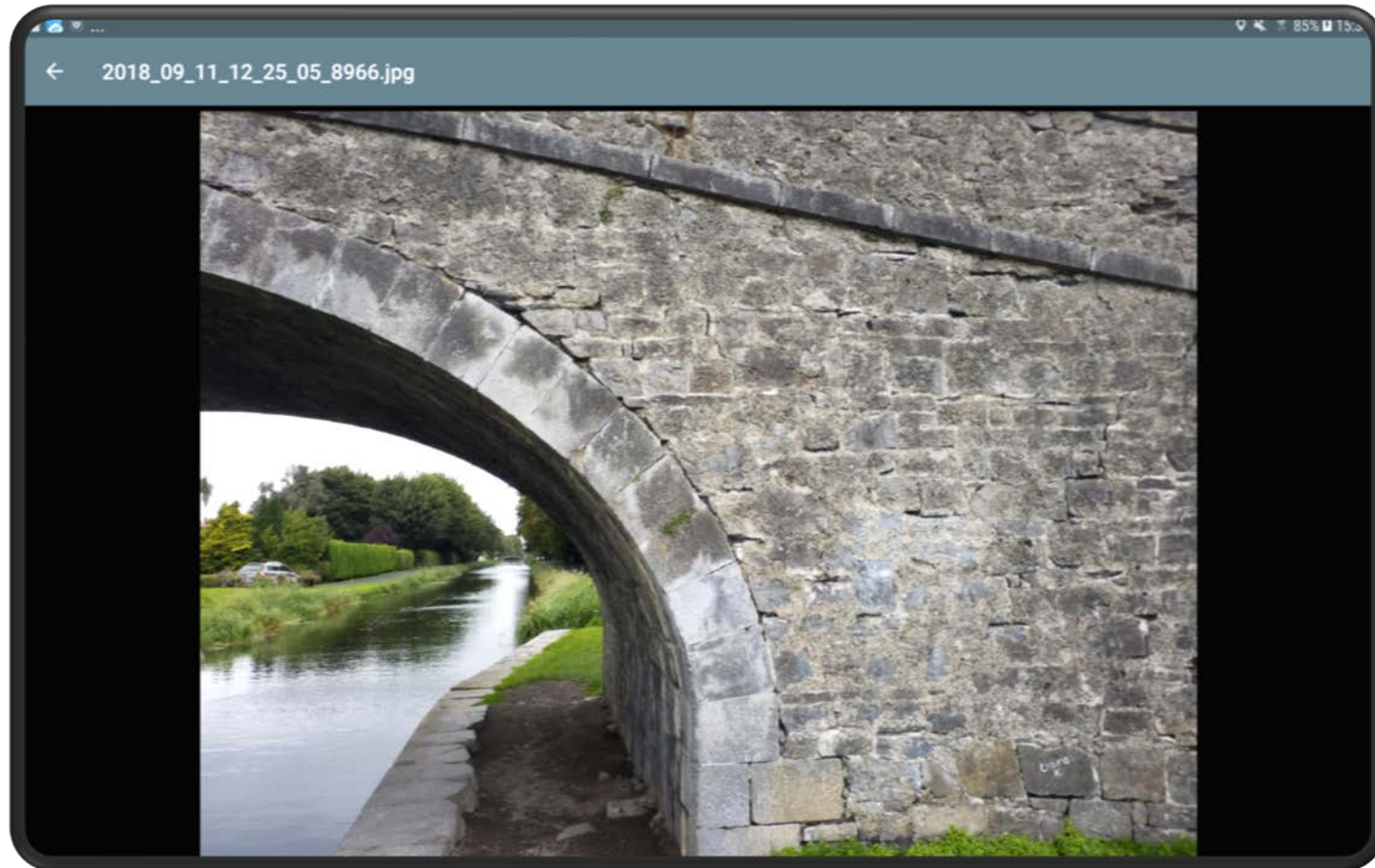


Image view (zoom in/out)



Map Layers

