Legend

SQL table name, followed by table display name in brackets.

- ud_bridges (Bridge (PNG)) — Also referred to as AWM Bridges
- ud_odk_to_bridge (ODK to Bridge Linking)
- ud_odk_main_bridge_data (ODK Main Bridge Data)
- ud_odk_span_bridge_data (ODK Span Bridge Data)
- ud_odk_br_condition_header (ODK Condition Header)
- ud_odk_br_condition_data (ODK Bridge Condition Data)

This workflow shows the steps required to fix issues that are highlighted by the ODK Import to AWM SQL system processes: "Maintain ODK Main Flags" and "Maintain ODK to Bridge flags".

Note that these SQL system processes run nightly. Therefore any fixes will take a day to be reflected in the "Process" flags.

Start

OPTION 1

Open table "ODK to Bridge Linking"

Apply filter "Clear To Import" = "No" And filter "Import" = "Yes"

OPTION 2

Open the Map Layer Package "[ODK] Review Data to Import 2"

Go through each red point in "ODK to Bridge Link – Clear to Import and Import Yes"

Check that the ODK record is on the correct bridge. Does the bridge names match up? Does the location look correct?

Is the field "Has Multiple Records" = "Yes"?

No

Yes

Is "Multiple ODK To One AWM Bridge" = "Yes"

No

Yes

Open the Hierarchy blade, and open the "ODK Main Bridge Data" under the "ODK to Bridge Linking"

Is "Override Spans" = "No"?

No

There should be no problem with this record, check with Edmond

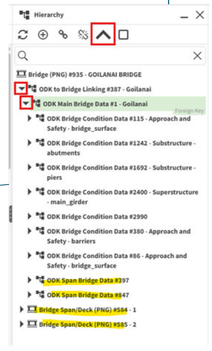
Yes

Is "Num Spans Not Match AWM Bridge" = "Yes"?

Yes

Is "Spans Without Length SQL" > 0

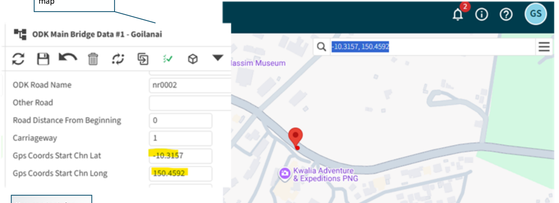
Yes



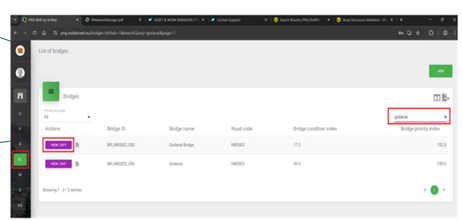
You can go from the ODK record to the AWM Bridge by clicking the "Parent" button in the Hierarchy blade.

You can also expand the records by clicking the chevron/arrow on the left

You can copy and paste the latitude, longitude numbers into the search bar to show the location on the map



You can look for BAMS photos using the bridge name to double check what the ODK bridge is



You can also see the photos by getting the list of photo names under "ODK Main Bridge Data", and under each "ODK Bridge Condition Data" record, and then searching the media folder using the photo name..
You can search the media folder here: https://pngamb.sharepoint.com/:u:/s/PNGDoWHAMB/iQDcxblvmW9gTL4IXeVhF20EAadrqXo-XQVsx6yMygMNqQ0?e=6GwsxG

Also look at the "Gps Coords" fields on the "ODK Main Bridge Data" record.

Check for multiple ODK Main Bridge Data records under one ODK to Bridge record

This might occur because there's multiple ODK inventory inspections against the same ODK bridge id.
We want to figure out which ODK record is the latest.
For older ODK Main Bridge Data records, we will attach the condition inspection records to the bridge but ignore the Main Bridge and Span data.

Are there multiple "ODK Main Bridge Data" records under this "ODK to Bridge Linking" record?

No

Go to next step

Yes

Check the attached "ODK Main Bridge Data" records

Sanity check that the Bridge Names matches the "ODK to Bridge Linking"

Find the latest "Date Of Inspection". For the records that are older, set "Older Record" = "Yes"

Go to next record

Check for multiple ODK to Bridge Linking records under one ud_bridges record

This occurs due to an error in the matching algorithm, that attempts to match the ODK Bridges to AWM Bridges.
Reasons include:
- There are multiple ODK Bridges that are nearby to an AWM Bridge
- The ODK and AWM Bridge Name matches
- There was no good match found for an ODK Bridge, so the ODK Bridge was matched to the closest AWM Bridge
- All of these ODK records are correct

This is sometimes expected, e.g. if a provincial bridge was inspected in ODK, but we are ignoring provincial (non-national) roads and bridges in AWM.

Work with AMB team to understand the ODK record

Is the ODK record a duplicate that is on the correct bridge, but from an older inspection?

No

Set "Older Record" = "Yes" for the older duplicate record

Edmond to update the script to allow combining "ODK to Bridge Linking" records

Yes

Is there another AWM Bridge that exists, and this record should be attached to that instead?

Yes

Fix the Identifier and Location fields to match the correct AWM Bridge

No

Is the ODK record a completely new bridge, that does not exist in AWM but should be?

Yes

Set "Is New Bridge" = "Yes"

No

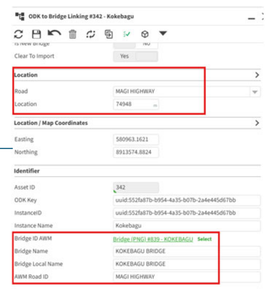
Should this bridge be ignored in AWM (e.g. on a provincial road or district road)

Yes

Set "Import" = "No"

No

Go to next step



Check ODK Main Bridge Data records for the correct number of spans

Maybe the existing ud_bridges record says it has 2 spans, but the ODK states there are 3 spans.
ODK is generally source of truth, but be suspicious if the ODK span has no length. Get AMB team (Jordan) to validate if unsure

Check that the "ODK to Bridge Linkage" is attached to the correct AWM Bridge.

Does the bridge names match up? If you type in the lat, long into the Map search bar, is the location correct?

Check all the odk spans under "ODK Span Bridge Data" are real – do they have data filled in?

No

If the number of spans is correct, but we want to use the data in the AWM span instead of the ODK span,

Set "Use AWM data instead" = "Yes" for each ODK Span record that doesn't have data

Yes

Is the number of spans under ODK Main Bridge Data "Span Count SQL" the correct number?

No

This means we need to match the AWM bridge number of spans.

If ODK number of spans is more than AWM, Go to an "ODK Span Bridge Data" and Set "Import" = False.
This means that ODK span is ignored. Repeat if you need to ignore multiple ODK spans.

If ODK number of spans is less than AWM, contact Edmond – we will create a 'dummy' ODK span record

Does the number of "ODK Span Bridge Data" with "Import" = "Yes" now the same as the number of AWM bridge spans?

Yes

Notifies the system process to create new AWM Bridge Spans or delete spans to match the number of spans from ODK

Yes

Set "Override Spans" = "Yes"

Go to next step