

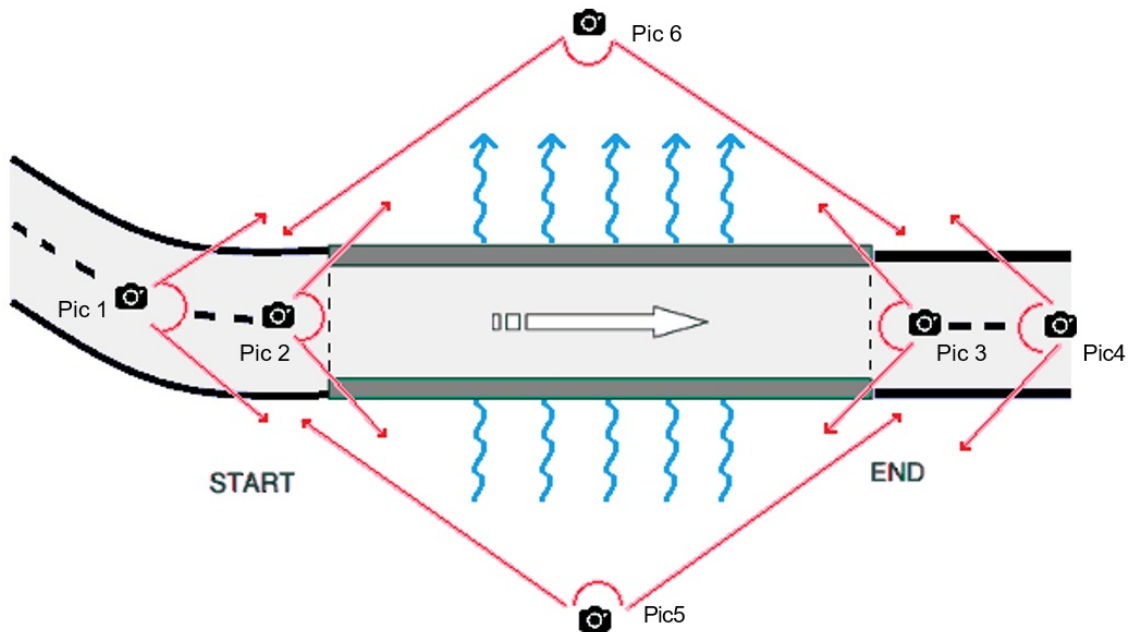
Photographs for Bridge Inspections

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In addition to data collection, inspections must include photographing the main elements and damages, starting with the most critical ones. It is recommended to take photographs in the same sequence as the condition inspections, beginning with general photos from above and then moving below the structures.

Use a tablet, mobile, or DSLR camera in landscape mode (horizontally) to capture the widest views possible. Only use portrait mode (vertically) when photographing tall subjects, such as a close-up of a pier. Regularly check that the lens is clean of dirt and grease, wiping it with wet and dry tissues as needed. Avoid taking photos against bright sunlight; if necessary, use your free hand to cast a shade over the lens.

For general photos, ensure to include at least six key areas, as follows:



Picture 1	Approach view of the bridge from the start (remember which end is the start, and which is the end)
Picture 2	Closer view of the bridge deck in one photo with the first expansion joint included. Also, other structures like barriers, parapets and trusses may ideally fit in the photo.
Picture 3	Similar approach view of the bridge from the other end.
Picture 4	Similar closer view of the bridge deck from that other end, including the last expansion joint and the other elements too.
Picture 5	Sideview of the whole bridge from the upstream side. For taking the photo go as centre as you can, but if it isn't feasible, it can also be taken from the riverbank. Try to fit the abutments and closest banks too.
Picture 6	Similar sideview of the whole bridge from the downstream side.

Additional general pictures of the whole bridge are optional, but may be useful.

For the element condition assessment photos, while filling the form or separately, the sequence should be as follows:

1. Take photos of roadway and deck surface elements
2. Take photos of superstructure elements and expansion joints
3. Take photos of substructure elements and bearings
4. Take photos of riverbed and slopes

Those photos are always required when there is something that is not 100% in the “as new” condition. If everything is perfect, no additional assessment photos are required, but can be added optionally.
