

Experienced HydInfra Inspectors are valuable to your District

Good HydInfra Inspectors develop over time. The best HydInfra Inspectors understand how inspections are used in planning repairs and can help improve District highways.

Districts need to hold onto good TAMS-HydInfra Inspectors because:

1. Experienced Inspectors are cost-effective – an experienced inspector spends more time inspecting and less time figuring out equipment and software.
2. Developing a good HydInfra inspector takes time. They must know how to:
 - a. Apply HydInfra inspection criteria to culvert inspection and review
 - b. Use the TAMS Agile Assets application to review, report and sometimes create records
 - c. Use the Collector application for HydInfra Inspections in the field
 - d. Use Windows Tablet with R1 GPS and Collector app
 - e. Understand and record asset condition information with detailed inspection flags, measures and comments
3. With good Inspectors, Maintenance and Hyd-WRE can trust HydInfra data to plan repairs or replacements because:
 - a. Inspections consistently follow inspection criteria (and give meaningful answers when deciding which culverts to repair)
 - b. Pipe materials and dimensions are correct (which helps avoid ordering wrong replacement parts)
 - c. Need for repair shows up in a report (but if inspections are incomplete or don't follow criteria, bad culverts may not be identified)
 - d. A culvert's condition can be tracked over time if degradation is accurately shown by consistently good inspections.
4. A proposed Performance Measure-- **Maintenance Repairs Highway Culverts** will use reports from HydInfra data to identify potential culvert repairs. These reports require complete and correct inspections to produce valid lists of repairs that need to be done.
5. Highways with culverts that need repair are identified from TAMS-HydInfra inspections. For culverts-only repair projects, groups of culverts are initially identified based on previous HydInfra inspections. Similarly the [Project Selection](#) initiative weighs the condition of several assets, including HydInfra culverts, to choose highways for construction projects within each District.

6. With good inspections Maintenance can find and repair culverts before the roadway is affected. Experienced Inspectors can recognize culverts with piping or road voids that threaten the road surfaces. HydInfra Reports will tell the story.

7. MnDOT is using TAMS-HydInfra data for statewide initiatives:
 - a. Transportation Asset Management Plan (TAMP)
<http://www.dot.state.mn.us/assetmanagement/tamp.html>
 - b. Project Selection <http://www.dot.state.mn.us/projectselection/>
 - c. CIMS (Corridor Investment Management Strategy)
<http://www.dot.state.mn.us/cims/>
 - d. Performance Measures <https://www.dot.state.mn.us/measures/index.html>
 - e. MS4 permit reporting <http://www.dot.state.mn.us/environment/ms4/index.html>
 - f. GSOC (Gopher State One Call) www.gopherstateonecall.org