

NCDOT Hydraulics Unit
As-Built Certification Review Form Guide

The following items as a minimum should be reviewed for agreement between the certified Structure General Drawing (SDG) or Culvert Plan Sheets (CPS), as applicable, and the Hydraulics Bridge Survey Report (BSR) or Culvert Survey Report (CSR) when completing the NCDOT Hydraulics Unit “As-Built Certification Review Form”.

Bridges:

Roadway Grade
Bridge Opening (Low Chord Elevations and Recommended Excavation Elevations)
Bridge Length

Culverts:

Roadway Grade
Culvert Size (Opening) and Type
Culvert Length
Culvert Invert Elevations

The reviewer should note any items that are not in agreement on the “As-Built Certification Review Form” and update the HEC-RAS model and BSR/CSR if required to reflect any changes. The “As-built Certification Review Form”, the revised HEC-RAS model and any other supporting documentation should be included with the As-Built plan Submittal to NCFMP. The form must be signed and sealed by the licensed NC professional engineer specializing in hydraulic design who performed the review. If the BSR/CSR is revised, both the digital copy and hardcopy original must be refiled appropriately.

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Project ID: _____ WBS #: _____
County : _____ Structure #: _____
Compliance Type: _____

Purpose: Certified As-Built submittals are required within six months of structure completion (44 C.F.R §65.3, 65.12 (c) (2002)). As-Built submittals for bridge and culvert crossings are certified by Division Construction through professional licensed surveyor's or professional engineer's statement and seal on the Structure General Drawing (SGD) or Culvert Plan Sheets (CPS), as applicable. In order to verify that the certified SGD/CPS agrees with the Hydraulics Bridge Survey Report (BSR) or Culvert Survey Report (CSR), a review by an NC licensed professional engineer (specializing in hydraulic design) with a signed, sealed statement verifying the agreement or non-agreement is required. If non-agreement is determined, then additional measures taken to address the non-agreement must be stated with results of those actions. This form must be completed and submitted with the Certified As-Built Submittal to NCFMP.

Construction Completion Date: _____ As-Built Certification Date: _____
Certified By: _____ Title: _____

I have reviewed both the Certified SGD and the associated BSR or CSR as identified above and have determined that the documents are in Agreement. Non-Agreement.

Reviewer: _____ PE Seal: _____
Title: _____

Signature of Reviewer: _____ Date: _____

Non-Agreement designation must include action items taken to resolve the non-agreement:
