

 Office of Structures <i>Guidelines and Procedures</i> <i>Memorandum</i>	INSPECTION
	Number: OOS-GPM-SI-103
	Date: 08-06-2026
Qualifications of Personnel	Approval: 

The following MDOT SHA personnel involved in the Maryland structure inspection program shall have the following minimum requirements:

Deputy Director, SIRE (NBIS Program Manager for the State of Maryland)

Division Chief, SIRE – Structures Inspection

Division Chief, SIRE – Structures Remedial Engineering

Inventory Program Manager

- Be a registered professional engineer in the state of Maryland
- Successfully complete FHWA-NHI-130055 Safety Inspection of In-Service Bridges course or equivalent
- Successfully complete FHWA-NHI-130078 Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM) course or equivalent
- Successfully complete FHWA-NHI-130053 Bridge Inspection Refresher Training at least every five years. First refresher course shall be taken five years after completion of the Safety Inspection of In-Service Bridges course.

Inspection Program Manager

Inspection Team Leader

- Successfully complete FHWA-NHI-130055 Safety Inspection of In-Service Bridges course or equivalent
- Successfully complete Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM) Critical Inspection Techniques for Steel Bridges course or equivalent prior to inspecting any NSTM bridges
- Successfully complete FHWA-NHI-130053 Bridge Inspection Refresher Training at least every five years. First refresher course shall be taken within five years of completion of the Safety Inspection of In-Service Bridges course.
- Must also have one of the following:
 - Be a registered Professional Engineer in the State of Maryland and have 6 months of bridge inspection experience

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- Five years of bridge inspection experience
- Have a BS in Civil Engineering, and passed the Fundamentals of Engineering exam, and have two years of bridge inspection experience.
- Inspection Program Manager is additionally required to have at least 5 years of experience as Inspection Team Leader.

Bridge Inspector

- Successfully complete FHWA-NHI-130055 Safety Inspection of In-Service Bridges course or equivalent within one year of performing bridge inspections
- Successfully complete FHWA-NHI-130053 Bridge Inspection Refresher Training at least every five years. First refresher course shall be taken within five years of completion of the Safety Inspection of In-Service Bridges course.

The following are the requirements for anyone performing structure inspections for non-SHA bridges as well as consultants performing inspections of SHA bridges:

Lead Inspector/Team Leader

- Successfully complete FHWA-NHI-130055 Safety Inspection of In-Service Bridges course or equivalent
- Successfully complete FHWA-NHI-Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM) or equivalent prior to inspecting any NSTM bridges.
- Successfully complete FHWA-NHI-130053 Bridge Inspection Refresher Training at least every five years. First refresher course shall be taken within five years of completion of the Safety Inspection of In-Service Bridges course.
- Must also have one of the following:
 - Be a registered Professional Engineer in the State of Maryland
 - Five years of bridge inspection experience
 - Have a BS in Civil Engineering, and passed the Fundamentals of Engineering exam, and have two years of bridge inspection experience.

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Bridge Inspector

- Successfully complete FHWA-NHI-130055 Safety Inspection of In-Service Bridges course or equivalent. A one year allowance is allowed only for inspectors who are graduate engineers.
- Successfully complete FHWA-NHI-130078 Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM) or equivalent prior to inspecting any NSTM bridges. A one year allowance is allowed only for inspectors who are graduate engineers.
- Successfully complete FHWA-NHI-130053 Bridge Inspection Refresher Training at least every five years. First refresher course shall be taken within five years of completion of the Safety Inspection of In-Service Bridges course.

For the qualifications required for underwater bridge inspections, refer to Underwater Bridge Inspection Program, OOS-GPM-SI-116.

For the qualifications required for complex bridge inspections, refer to Complex Bridge Inspection Program, OOS-GPM-SI-108.