

Appendix F: Quality Assurance Office Review – Level II

Date	Inspection Agency Under Review	Bridge Number
------	--------------------------------	---------------

RECORD KEEPING

The AASHTO *Manual for Condition Evaluation of Bridges* states, “Bridge owners should maintain a complete, accurate and current record of each bridge under their jurisdiction. Complete information, in good usable form, is vital to the effective management of bridges. Furthermore, such information provides a record which may be important in legal action.”

Bridge File - The bridge file describes all bridges under the jurisdiction of the Program Manager. This file should contain all cumulative information about each individual bridge.

Location of Bridge File: _____

File Accessible to Users: Yes No

Comments: _____

Bridge File Documents

Yes	No	N/A	Document
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are available Bridge Design Plans, As-Builts and/or Rehab Plans contained
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correspondence
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Load Rating Analysis Computations or Load Rating Summary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial / Inventory Update Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspector Qualification Records
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspection performed within 24 months of previous inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Critical Finding Documentation Current
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scour Plan of Action
			Special Inspections
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Damage Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Special Detail Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fracture Critical Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Interim Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Border Bridge Inspection Reports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other

INSPECTION

The AASHTO Manual for Condition Evaluation of bridges states, "Bridge Inspections are conducted to determine the physical and functional condition of the bridge". "Successful bridge inspection is dependent on proper planning and techniques, adequate equipment, and the experience and reliability of the personnel performing the inspection".

Planning and Scheduling

Previous Inspection Reports Available for Review: Yes No

Comments: _____

Initial Inspections - New and Rehabilitated Structures

Previous Inspection Reports Available for Review: Yes No NA

Bridge Inspection Report Form Updated to Reflect Modifications: Yes No NA

Comments: _____

Routine Inspections

List Frequency for Routine Inspection (in months): _____

SPECIAL INSPECTIONS

Damage Inspections

Bridge load posted due to damage: Yes No NA

Bridge closed due to damage Yes No NA

Previous Inspection Reports Available for Review: Yes No NA

Bridge Inspection Report Form Updated to Reflect Modifications: Yes No NA

Load Posted / Closed Bridges

Was the Bridge Re-Load Rated?: Yes No NA

Was Load Limit Reduced?: Yes No NA

Describe How Load Posting and/or Closure was Determined: Calculated Deterioration Other NA

Comments: _____

Fracture Critical Inspections

List Frequency for Fracture Critical Inspection (in months): _____

Was a Fracture Critical Inspection Plan of Action Adequately Documented?: Yes No NA

Scour Critical Bridges

Describe how Scour Critical Nature was Determined (N/A if determined previously and not documented):

Calculated Visually Other NA

LOAD RATINGS

Stage I

Load Rating Performed (by summary or calculation)?: Yes No NA

Professional Engineer Involved?: Yes No NA

Have the calculations been checked?: Yes No NA

How was the load rating determined?:

Calculation Deterioration Summary Standards Other

Comments: _____

Stage II (Complete Stage I also)

Adequate Documentation of Assumptions?: Yes No NA

Deterioration of Structure Accounted for?: Yes No NA

Stage III (Complete Stage I & II also)

Post Inspection Review performed on Subject Bridge: Yes No

Quality Assurance Officer's Calculated Load Rating: ____ H-20 Inv ____ HS-20 Inv. ____ HS-20 Oper.

Inspection Agency's Load Rating: ____ H-20 Inv ____ HS-20 Inv. ____ HS-20 Oper.

Inspection Agency's Load Rating within 2 tons of QAO's Load Rating?: Yes No ____ Difference

Comments: _____

FOLLOW-UP ACTIONS

Each inspection report shall be reviewed by the owner for completeness and recommendations. The inspector's recommendations should be considered for implementation within the limits established for public safety, cost effectiveness, and fiscal restraints.

Inspectors Inform Maintenance Personnel/Owner about Maintenance/Repair Needs: Yes No NA

Repair/maintenance recommendations are consistent with deterioration: Yes No NA

Estimated Repair Costs provided to Owner (N/A for State Owned Bridges): Yes No NA

Deterioration provided to Load Rating Engineer (Load Rating Engineer may be the same person as Inspection Team Leader): Yes No NA

INSPECTED AGENCY COMMENTS

1) Please take this opportunity to ask questions or make comments about the inspection program.

2) Does the bridge inspection team feel it has enough time / equipment / training / experience to do their job properly?
