

## Appendix H: Quality Assurance Post-Inspection Review Form

Quality Control Officer: \_\_\_\_\_

Team Leader No. : \_\_\_\_\_

Company / District: \_\_\_\_\_

Team Leader: \_\_\_\_\_

Team Leader No.: \_\_\_\_\_

Company/District: \_\_\_\_\_

Team Members: \_\_\_\_\_

County: \_\_\_\_\_

County No.: \_\_\_\_\_

Bridge No: \_\_\_\_\_

NBI No.: \_\_\_\_\_

Road Name: \_\_\_\_\_

Crossing: \_\_\_\_\_

Inspection Date: \_\_\_\_\_

Inspection Type:       Routine     Fracture Critical     Underwater       Special Detail

Inspection Start Time: \_\_\_\_\_

Inspection Complete Time: \_\_\_\_\_

**Routine Inspection – Inventory Review – Part 1**

Review each question below and record the score reduction in each blank below. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. “Yes” and “N/A” answers shall be scored with a 0 reduction.

	Yes	No	N/A	Reduc.	Score
1. Main structure type (43A), main widening type (43C) and approach structure type (44A) correct.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
2. Bridge rail and approach coding (36A) acceptable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
3. Required maintenance and repair items properly documented and address deterioration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
4. Bridge posting match the load rating, if not, is it recommended (66B, 70 & 41).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
5. Foundation type acceptable (113B).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
6. “One Lane Bridge” posting in place, if not, is it recommended (51, 28A, 102 & 41).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
7. Team has the proper qualifications (Part 1 – 2.3.1).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-20	
				Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments:**

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**Routine Inspection – Inventory Review – Part 2**

Review each question below and record the score reduction in each blank below. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. “Yes” and “N/A” answers shall be scored with a 0 reduction.

Measurements	Measurement		w/in ± 3"			Reduc.	Score
	Inspector (Team Leader)	QAO	Yes	No	N/A		
1. Max Span Length (48)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
2. Structure Length (50)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
3. Bridge Roadway Width (51)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
4. Vertical Clearance/Deck (53)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
5. Vertical Underclearance (54)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
3. Lateral Clearance (55)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-5	
						Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments:**

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**Routine Inspection – Condition and Appraisal Review**

The Quality Assurance Officer is to inspect the bridge and provide his/her condition appraisal ratings below, compare the ratings to the Team Leader under review and record the score reduction in each blank to the right. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. N/A answers shall be scored with a 0 reduction.

Condition and Appraisal	Ratings		w/in ± 1			Reduc.	Score
	Inspector (Team Leader)	QAO	Yes	No	N/A		
Item 58: Deck			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 59: Superstructure			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 59B: Paint Rating			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-5	
Item 60: Substructure			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 61: Channel			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 62: Culvert			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 65: Approach Roadway			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-5	
Item 71: Waterway Adequacy			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-5	
Item 72: Roadway Alignment			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-5	
Item 113A: Scour Critical			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
						Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments (Include section loss documentation):**

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**Fracture Critical/Special Detail Inspection Review**

The Quality Assurance Officer is to inspect the bridge and provide his/her condition appraisal ratings below, compare the ratings to the Team Leader under review and record the score reduction in each blank to the right. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. N/A answers shall be scored with a 0 reduction.

	Yes	No	N/A	Reduc.	Score
1. Correct elements identified (fracture critical or special details)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
2. Condition ratings within ±1 for all inspected elements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
3. Fatigue Details correctly identified (Part 2 – 12.6.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
4. Reported section loss reasonable (within 10%) (Part 2 – 12.6.6 & Part 2 – 4.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
5. All cracks noted (Part 2 – 12.6.6 & Part 2 – 4.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
6. Damage to elements documented	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
7. Bridge appeared to be cleaned during original inspection (Part 1 – 4.3.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
8. Team has the proper qualifications (Part 1 – 2.3.1).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-20	
				Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments (Include section loss documentation):**

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**Underwater Inspection – Inventory Review**

The Quality Assurance Officer is to inspect the bridge and provide his/her condition appraisal ratings below, compare the ratings to the Team Leader under review and record the score reduction in each blank to the right. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. N/A answers shall be scored with a 0 reduction.

	Yes	No	N/A	Reduc.	Score
1. Waterline elevation accurately recorded (Part 2 – 3.10.2).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
2. All required soundings accurately recorded (Part 2 – 3.10.3).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-15	
3. All required photos obtained and documented (Part X – X.X.X).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
4. C.B. Material adjacent to SSU’s determined (Part X – X.X.X)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
5. Scour and debris noted (Part X – X.X.X)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
6. Defects noted with dimensions and section loss	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-15	
7. Shoreline conditions noted (Part X – X.X.X)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
8. Plan view showing bridge configuration with north arrow, flow arrow, shorelines, etc (Part X – X.X.X)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
9. Foundation Type correct (Item 113B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
10. Underwater Inspection Frequency reasonable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
11. Team has the proper qualifications (Part 1 – 2.3.1).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-20	
				Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments:**

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**Underwater Inspection – Condition and Appraisal Review**

The Quality Assurance Officer is to inspect the bridge and provide his/her condition appraisal ratings below, compare the ratings to the Team Leader under review and record the score reduction in each blank to the right. At the conclusion of the inspection, add up the reductions and subtract from 100. Record the score below. N/A answers shall be scored with a 0 reduction.

Condition and Appraisal	Ratings		w/in ± 1			Reduc.	Score
	Inspector (Team Leader)	QAO	Yes	No	N/A		
Item 60: Substructure			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 61: Channel			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
Item 113A: Scour Critical			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-10	
						Total	

Score: 100 - \_\_\_\_\_ = \_\_\_\_\_

**Comments (Include section loss documentation):**

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**Acceptable Scores:** Any score lower than an 80 shall be considered unacceptable.

**Routine Inspection – Inventory Review – Part 1:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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**Routine Inspection – Inventory Review – Part 2:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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**Routine Inspection – Condition and Appraisal Review:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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**Fracture Critical/Special Detail Inspection Review:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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**Underwater Inspection – Inventory Review:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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**Underwater Inspection – Condition and Appraisal Review:**

Acceptable <input type="checkbox"/>	Unacceptable <input type="checkbox"/>	N/A <input type="checkbox"/>
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\_\_\_\_\_  
(Quality Assurance Officer)

\_\_\_\_\_  
(Date)