Independent Inspection Check Form

REQUIRED STRUCTURE INFORMATION		
ASSET ID NUMBER:	DISTRICT #: -	COUNTY: -
LOCATIO:	FACILITY CARRIED:	FEATURE INTERSECTED:
SUBJECT INSPECTION DATE:	SUBJECT BITL:	
INSPECTION TEAM MEMBERS:		
SUBJECT INSPECTION TYPE: -		
QC Reviewer (Print Name):		

Part 1 - General Information Review

Review each question below and record the score in the applicable cell. At the conclusion of the independent inspection, add up the total score. Record the score below.

	Review Category	Yes	No	N/A	Possible Score	Score
1	**Structure Types:** Are Superstructure and Substructure Span Sets correct?	☐	☐	☐	0 or 10 pts	
2	**Railings:** Is the selected coding of Bridge Rail (B.RH.01) and Transitions (B.RH.02) acceptable? The B.C.05 (Railings) and B.C.06 (Transitions) are also acceptable.	☐	☐	☐	0 or 10 pts	
3	**Work Events**: Are work events on the bridge coded correctly per the SNBI? B.W.02 and B.W.03. Note that only the work events in the last 5 years may be required to be report. See SNBI Supplemental Guide.	☐	☐	☐	0 or 10 pts	
4	**Scour Fields**: Are the B.AP.03 and B.AP.04 codes acceptable? If not, has a Hydraulic Analysis been requested?	☐	☐	☐	0 or 10 pts	
5	**Features and Route Data**: The feature data , highway data, and route data is correct for the features associated with the bridge. If a highway or route data is incorrect, a Road Data Services correction form has been submitted to SCDOT. Some data is to be updated by inspectors.	☐	☐	☐	0 or 10 pts	
6	**Inspection Team Qualifications**: According to NBIS and the SCDOT BIGD, the inspection team had the proper qualifications.	☐	☐	☐	0 or 20 pts	
7	**Deficit Reporting (Critical Findings and/or HMMS Documentation/Input)**: Critical Findings (if found) were properly reported using notification procedures and follow-up procedures required by SCDOT. Required maintenance and repair items are properly documented and they address specific issues such as deterioration.	☐	☐	☐	0 or 10 pts	
					TOTAL =	0
					TOTAL POSSIBLE SCORE =	***80***
					70% OF TOTAL POSSIBLE SCORE (ACCEPTABLE SCORE) =	***56***
					ACCEPTABLE?	☐

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Independent Inspection Check Form

Part 2 - Measurement Review

The QC Reviewer is to inspect the bridge and provide his or her condition ratings below. The QC Reviewer should compare their own measurements to the measurements from the subject inspection and record the score in the applicable cell. At the conclusion of the independent inspection, add up the total score. Record the score below.

Review Category				*within 10% or 12 in. (whichever is greater)*			Possible Score	Score
Measurement		Subject Inspection	QC Check	Yes	No	N/A		
1	**B.G.03:** Maximum Span Length			☐	☐	☐	0 or 10 pts	
2	**B.G.01:** NBIS Structure Length			☐	☐	☐	0 or 10 pts	
3	**B.G.06:** Curb-to-Curb Roadway Width			☐	☐	☐	0 or 10 pts	
4	**B.G.05:** Bridge Out-to-Out Width			☐	☐	☐	0 or 10 pts	
5	**SC.H.05:** Vertical Clearance Above Deck			☐	☐	☐	0 or 10 pts	
6	**SC.H.07:** Minimum Vertical Clearance			☐	☐	☐	0 or 10 pts	
7	**SC.H.09:** Minimum Horizontal Clearance (L)			☐	☐	☐	0 or 10 pts	
8	**SC.H.11**: Minimum Horizontal Clearance (R)			☐	☐	☐	0 or 5 pts	
							TOTAL =	0
							TOTAL POSSIBLE SCORE =	***75***
							70% OF TOTAL POSSIBLE SCORE (ACCEPTABLE SCORE) =	***52***
							ACCEPTABLE SCORE?	☐

Part 3 – Condition and Appraisal Review

The QC Reviewer is to inspect the bridge and provide his or her condition ratings below. The QC Reviewer should compare their own ratings to the ratings from the subject inspection and record the score in the applicable cell. At the conclusion of the independent inspection, add up the total score. Record the score below.

Review Category				*within 1 ±*			Possible Score	Score
Measurement		Subject Inspection	QC Check	Yes	No	N/A		
1	**SNBI Item B.C.01:** Deck			☐	☐	☐	0 or 10 pts	
2	**SNBI Item B.C.02:** Superstructure			☐	☐	☐	0 or 10 pts	
3	**SNBI Item B.C.03:** Substructure			☐	☐	☐	0 or 10 pts	
4	**SNBI Item B.C.09:** Channel			☐	☐	☐	0 or 10 pts	
5	**SNBI Item B.C.04:** Culvert			☐	☐	☐	0 or 10 pts	
6	**SNBI Item B.C.11:** Scour			☐	☐	☐	0 or 10 pts	
7	**SNBI Item B.AP.01:** Apporach Alignment			☐	☐	☐	0 or 5 pts	
							TOTAL =	0
							TOTAL POSSIBLE SCORE =	***65***
							70% OF TOTAL POSSIBLE SCORE (ACCEPTABLE SCORE) =	***45***
							ACCEPTABLE SCORE?	☐

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Part 4 – Additional Inspection Items

Review each question below and record the score in the applicable cell. At the conclusion of the independent inspection, add up the total score. Record the score below.

	Review Category	Yes	No	N/A	Possible Score	Score
1	**NSTMs:** NSTMs were identified and noted on the Nonredundant Steel Tension Member Inspection Form.	☐	☐	☐	0 or 10 pts	
2	**Fatigue Details:** Fatigue-prone details were identified and noted in the inspection report.	☐	☐	☐	0 or 10 pts	
3	**Steel Section Loss**: Reported section loss was reasonable (within 10%) on steel members.	☐	☐	☐	0 or 10 pts	
4	**Concrete Deterioration**: Reported deterioration sizes were reasonable (within 10%) on concrete members.	☐	☐	☐	0 or 10 pts	
5	**Timber Deterioration**: Reported deterioration conditions were noted on timber members.	☐	☐	☐	0 or 10 pts	
6	**Cracking**: Cracking notes in the inspection report were reasonable for structural condition and structure type.	☐	☐	☐	0 or 10 pts	
					TOTAL =	0
					TOTAL POSSIBLE SCORE =	***60***
					70% OF TOTAL POSSIBLE SCORE (ACCEPTABLE SCORE) =	***42***
					ACCEPTABLE SCORE?	☐

Part 5 – Element-Level Evaluation

The QC Reviewer is to review the inspection report for the elements used during the element-level evaluation of the structural members. The QC Reviewer should review the overall quantity provided for the element, the condition states assigned and any defect. The QC Reviewer should compare their own findings to the findings from the subject inspection and record the score in the applicable cell. At the conclusion of the independent inspection, add up the total score. Record the score below.

	Review Category			*within 10%* Yes	No	N/A	Possible Score	Score
1	**Deck/Slabs**	**Element Number: _____ Element Name: _____**						
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
2	**Superstructure**	**Element Number: _____ Element Name: _____**						
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	

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Independent Inspection Check Form

Part 5 – Element-Level Evaluation (continued)

	Review Category			within 10% Yes	within 10% No	within 10% N/A	Possible Score	Score
3	**Substructure**	**Element Number: _____ Element Name: _____**						
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
4	**Culvert**	**Element Number: _____ Element Name: _____**						
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
5	**Other* 1: _____ Element Number: _____ Element Name: _____**							
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
6	**Other* 2: _____ Element Number: _____ Element Name: _____**							
	Overall Quantity	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 5 pts	
	Condition State 1	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 2	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 3	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
	Condition State 4	SUBJECT INSPECTION:	QC:	☐	☐	☐	0 or 3 pts	
							TOTAL =	0
							TOTAL POSSIBLE SCORE =	***102***
							70% OF TOTAL POSSIBLE SCORE (ACCEPTABLE SCORE) =	***71***
							ACCEPTABLE SCORE?	☐

* The QC Reviewer performing the QC review may select two other elements from the other element categories at his or her discretion. These other categories may include bearings, joints, approach slabs, bridge rails or wearing surface/protective systems. The selected element should be applicable to the bridge, if possible.

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INDEPENDENT INSPECTION CHECK FORM

SCORING SHEET

Part 1 - General Information Review (Passing Score: 56), Reviewer's Score: 0

☐ Acceptable ☐ Unacceptable ☐ N/A

Part 2 - Measurement Review (Passing Score: 52), Reviewer's Score: 0

☐ Acceptable ☐ Unacceptable ☐ N/A

Part 3 - Condition & Appraisal Review (Passing Score: 45), Reviewer's Score: 0

☐ Acceptable ☐ Unacceptable ☐ N/A

Part 4 - Additional Inspection Items (Passing Score: 42), Reviewer's Score: 0

☐ Acceptable ☐ Unacceptable ☐ N/A

Part 5 - Element-Level Evaluation (Passing Score: 71), Reviewer's Score: 0

☐ Acceptable ☐ Unacceptable ☐ N/A

DBIS (the QC reviewer) (**Required**): _____

Signature: _____ Date: _____

BITL Acknowledgement of Receipt (**Required**)

Signature: _____ Date: _____

SCDOT HQ Bridge Maintenance Office (BMO) Acknowledgement of Receipt (**Required**)

Signature: _____ Date: _____

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