

AUGLAIZE County 2021
INVENTORY, APPRAISAL & INSPECTION SNAPSHOT

7/16/2021

(November data update)

Inventory Data - NBIS Bridges Only

				<u>NBIS COUNT</u>
NBIS Bridges > 20'				225
Bridges 10'-20'				124
				349
Item 22 Inspection Responsibility				
				CODE
				# NBIS
				# ALL
Data Tab	Col BV, BW	County	2	225 349
Item 21 Maintenance responsibility				
				CODE
				# NBIS
				# ALL
Data Tab	County		2	225 349
Col D	City or other local		4	0 0
	Railroad		27	0 0
	Private (tohter than RR)		26	0 0
	State Park		11	0 0
	Local Park		23	0 0
	Township		3	0 0
				225 349
Item 42 Type service on bridge				
				CODE
				# NBIS
				# ALL
Data Tab	Other		0	0 0
Col Q	Highway		1	220 342
	Railroad		2	0 0
	Ped/Bikeway		3	0 0
	Hwy/RR		4	0 0
	Hwy/Ped		5	5 7
				225 349
Item 42 Type service under bridge				
				CODE
				# NBIS
				# ALL
Data Tab	Other		0	0 0
Col R	Hwy w/ or w/o Ped		1	0 0
	Railroad		2	0 0
	Ped/Bkwy		3	0 0
	Hwy w/ RR		4	0 0
	Waterway		5	225 349
	Hwy/waterway		6	0 0
	RR/waterway		7	0 0
	Hwy/waterway/RR		8	0 0
	Relief (for waterways)		9	0 0
				225 349

ITEMS 43A,B,C Structure Type Data (Col M,N,O)		CODE	# NBIS	# ALL
	Concrete Slab	101	0	5
	Concrete Box Beam/Girder Multiple	105	85	117
	Concrete Frame	107	1	68
	Concrete Culvert (incl frame culverts)	119	0	19
	Concrete Continuous Slab	201	1	1
	Steel Beam or Girder	302	8	8
	Steel Thru Truss (includes Pony)	310	9	9
	Steel Culvert (incl frame culverts)	319	1	2
	Steel Continuous Beam or Girder	402	4	4
	Prestressed Concrete Thru Arch	502	2	2
	Prestr. Conc. Cont. Box Beam/Girder Multiple	505	114	114
			225	349

Item 92 Fracture Critical		CODE	# NBIS	# ALL
Data Tab	Requires FC Inspection	Y	9	n/a
Col U,V,Y	Requires FC Inspection	N	216	n/a
			225	n/a
	FC Switch Y/N is Blank		0	n/a

Item 11: Scour			# NBIS	# ALL
Data Tab	Bridge not over waterway	N	0	0
Col AA	unknown foundation	U	0	0
	over tidal waters	T	0	0
	foundations on dry land	9	0	0
	stable above footing	8	221	342
	countermeasures installed	7	3	3
	no scour evaluation made	6	0	0
	stable within footer limits	5	1	2
	stable action needed	4	0	2
	scour critical - unstable	3	0	0
	scour critical - scour present	2	0	0
	scour critical - failure imminent	1	0	0
	scour critical - bridge failed	0	0	0
			225	349

Item 63 Documented Engineering Judgment		# NBIS	# ALL
	Field Eval & Doc EJ	0	n/a
BR_100 for these bridges?			

Item 92 Underwater		CODE	# NBIS	# ALL
Data Tab	requires dive inspection	N	225	n/a
Col W,X,Z	requires dive inspection	Y	0	n/a
			225	
	dive insp date blank		0	

Item 70 Plan Information		CODE	# NBIS	# ALL
Data Tab	plans not avail	0	0	45
Col. AW	plan avail	1	221	300
	field measured	2	4	4
	Field Testing	3	0	0
	not applicable	N	0	0
			225	349

Item 63 Method of Analysis		CODE	# NBIS	# ALL
Data Tab	Field Eval & Doc. Eng Judgment	0	0	53
Col. AV	Work Stress	1	0	0
	LFR	2	0	0
	LRFR	3	0	0
	Load testing	4	0	0
	No Rating done	5	0	33
	Load Factor (LF)	6	7	10
	WS or AS	7	1	3
	Load & Resistance Factor	8	217	250
	Assigned Rating (LFR) HS20	D	0	0
	Assigned Rating (LRFR) HL93	F	0	0
	Not applicable (Ped, RR, Bldg)	X	0	0
			225	349

REMINDER:

**Load Factor required for bridges built after 19 (exceptions: timber, etc.)
LRFR required for bridges built after 2010**

KEY METRICS

(C)	Compliant	(CC)	Conditionally Compliant
(SC)	Substantially Compliant	(NC)	Non- Compliant
		(NC)	(SC) If corrected within 6/12 months Refresher=6 mo, Comprehensive=12 mo

METRIC 2 - Program Manager Q (from files examination)

From Files review	Missing	#sampled	% PASS	COMPLIANCE
PE /Experience	0	1	100.0%	(C)
Comprehensive	0	1	100.0%	(C)
Refresher	0	1	100.0%	(C)

METRIC 3 - Team Leader Qualifi (from files examination)

From Files review	Missing	#sampled	% PASS	COMPLIANCE
Degree /Experience	0	3	100.0%	(C)
Comprehensive	0	3	100.0%	(C)
Refresher	0	3	100.0%	(C)

METRIC 6 FC Insp. Frequency Routine

Bridge Inspections Overdue	Overdue	% PASS	COMPLIANCE
Data Tab NBIS - 24 months	0	100.0%	(C)
Col. Y ORC - Calendar Year	0	100.0%	(C)
BIM - 18 months	0	100.0%	(C)

AUG-T0047-1770_(0634638)

AUG-T0160-0323_(0634719)

AUG-T0160-0334_(0634727)

AUG-T0174-0446_(0634824)

METRIC 6 Insp. Frequency Routine

Bridge Inspections Overdue	# OVERDUE	% PASS	COMPLIANCE
Data Tab NBIS - 24 months	0	100.0%	(C)
Col. AB ORC - Calendar Year	0	100.0%	(C)
BIM - 18 months	0	100.0%	(C)

See above listing

METRIC 8 - Insp. Frequency Underwater

Dive Inspections Overdue	# OVERDUE	# UW	% PASS	COMPLIANCE
Data Tab Col. Z 60 months	0	0	100.0%	(C)

METRIC 10 - Insp. Frequency FC Member

FC Inspections Overdue	# OVERDUE	# FC	% PASS	COMPLIANCE
Data Tab Col. Y 24 months	0	9	100.0%	(C)

METRIC 12 - Routine Inspection		**(from files examination)				
Field Ratings		# > +/-1	# Ratings	% PASS	COMPLIANCE	
	field ratings	0	30	100.0%		(C)
Comments		Missing	# < 6	% PASS		
Tab	Comments when Rating < 6	0	225	100.0%		(C)
	Inadequate comments**	0	6	100.0%		(C)
		Error	Total Scour	% PASS		
Comments	Rating should be = Scour	0	225	100.0%	within tolerance +/- 1	
Tab	Noncompliant Scour Rating Err	0	225	100.0%		(C)
METRIC 14 - Posting		Load rating data tab				
From Files review		# errors	#sampled	% PASS	COMPLIANCE	
Op RF < 3 tons but not closed	Column BB	0	225	100.0%		(C)
Op RF = 0 but not closed	Column BC	0	225	100.0%		(C)
% Legal < 100 but not posted	Column BD	0	225	100.0%		(C)
Item 41 = B	Column BE	0	225	100.0%		(C)
METRIC 16 - Fracture Critical Inspection		(from files examination)				
From Files review		Missing	# FC	% PASS	COMPLIANCE	
Fract Critical Member ID		0	2	100.0%		(C)
Fatigue Prone Detail		0	2	100.0%		(C)
Gusset Plate Calculations		0	2	100.0%		(C)
FC Inspection Procedure		0	2	100.0%		(C)
METRIC 17 - Underwater Inspection		(from files examination)				
From Files review		Missing	# UW	% PASS	COMPLIANCE	
UW Inspection Procedure		0	1	100.0%		(C)
Location of UW elements		0	1	100.0%		(C)
UW frequency identified		0	1	100.0%		(C)

PRELIMINARY FHWA 23 Metric Matrix

23 metrics used by FHWA to measure NBIS compliance

Compliance Codes for the following Metrics:

(C)	Compliant
(SC)	Substantially Compliant
(CC)	Conditionally Compliant (Adhering to approved PCA)
(NC)	Not Compliant

Metric	Description	(C)	(SC)	(CC)	(NC)
1	State Bridge Inspection Organization	██████████			
2	Program Manager Qualification	██████████			
3	Team Leader Qualification	██████████			
4	Load Rating Engineer Qualification	██████████			
5	UW Bridge Inspection Diver Qualification	██████████			
6	Routine Inspection Frequency - Low Risk	██████████			
7	Routine Inspection Frequency - High Risk	██████████			
8	UW Inspection Frequency - Low Risk	██████████			
9	UW Inspection Frequency - High Risk	██████████			
10	FC Inspection Frequency	██████████			
11	Frequency Criteria	██████████			
12	Inspection Quality	██████████			
13	Load Rating	██████████			
14	Posted or Restricted Bridges	██████████			
15	Bridge Files	██████████			
16	FC Bridges	██████████			
17	UW inspection procedures	██████████			
18	Scour Critical Bridges	██████████			
19	Complex Bridges	██████████			
20	QC/QA	██████████			
21	Critical Findings	██████████			
22	Inventory **	██████████			
23	Updating of Data	██████████			

** based on results of Field Review

Metric	Action Needed