

PICKAWAY County 2021

INVENTORY, APPRAISAL & INSPECTION SNAPSHOT

5/9/2021

(Data update Nov. 2021)

Inventory Data - NBIS Bridges Only

				<u>NBIS COUNT</u>		
NBIS Bridges > 20'				139		
Bridges 10'-20'				135		
				274		
Item 22 Inspection Responsibility				CODE	# NBIS	# ALL
Data Tab	Col BV, Bw	County		2	139	274
Item 21 Maintenance responsibility				CODE	# NBIS	# ALL
Data Tab		County		2	139	274
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
					139	274
Item 42 Type service on bridge				CODE	# NBIS	# ALL
Data Tab		Other		0	0	0
Col Q		Highway		1	139	274
		Railroad		2	0	0
		Ped/Bikeway		3	0	0
		Hwy/RR		4	0	0
		Hwy/Ped		5	0	0
					139	274
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	4	4
		Ped/Bkwy		3	0	0
		Hwy w/ RR		4	0	0
		Waterway		5	135	270
		Hwy/waterway		6	0	0
		RR/waterway		7	0	0
		Hwy/waterway/RR		8	0	0
		Relief (for waterways)		9	0	0
					139	274

ITEMS 43A,B,C Structure Type^a (Col M,N,O)	CODE	# NBIS	# ALL
Concrete Slab	101	5	34
Concrete Tee Beam	104	1	1
Concrete Box Beam/Girder Multiple	105	1	2
Concrete Frame	107	2	3
Concrete Deck Arch	111	1	1
Concrete Culvert (incl frame culverts)	119	4	57
Concrete Continuous Slab	201	5	5
Steel Beam or Girder	302	50	64
Steel Thru Truss (includes Pony)	310	12	12
Steel Culvert (incl frame culverts)	319	1	16
Steel Continuous Beam or Girder	402	6	6
Prestressed Concrete Thru Arch	502	1	1
Prestr. Conc. Cont. Box Beam/Girder Multiple	505	42	47
Prestressed Concrete Continuous Thru Arch	602	2	2
Prestr. Conc. Cont. Box Beam/Girder Multiple	605	6	6
Timber Deck Arch	811	0	1
Timber Culvert (incl frame culverts)	819	0	1
Aluminum or Iron Culvert (incl frame culverts)	919	0	15
		139	274

Item 92 Fracture Critical	CODE	# NBIS	# ALL
Data Tab Requires FC Inspection	Y	12	n/a
Col U,Y,Y Requires FC Inspection	N	127	n/a
		139	n/a
	FC Switch Y/N is Blank	0	n/a

Item 113 Scour			# NBIS	# ALL
Data Tab	Bridge not over waterway	N	4	4
Col AA	unknown foundation	U	0	0
	over tidal waters	T	0	0
	foundations on dry land	9	4	6
	stable above footing	8	10	38
	countermeasures installed	7	16	27
	no scour evaluation made	6	0	37
	stable within footer limits	5	57	73
	stable action needed	4	48	89
	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
			139	274

Item 63 Documented Engineering Judgment			# NBIS	# ALL
	Field Eval & Doc EJ		7	n/a

BR_100 for these bridges?

Item 92 Underwater		CODE	# NBIS	# ALL
Data Tab	requires dive inspection	N	137	n/a
Col W,X,Z	requires dive inspection	Y	0	n/a
			137	
	dive insp date blank		2	

PIC-T0031-0052_(6540113) PIC-C0009-03.88_(6533842)

ITEM 92

Column X Item 92B is blank

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 Qua (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 Qualific: (from files examination)

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

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)

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	12	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	7	138	94.9%	(C)
Inadequate comments**	0	6	100.0%	(C)
	Error	total Score	% PASS	
Comment Rating should be = Scour	1	134	99.3%	within tolerance +/- 1
Tab Noncompliant Scour Rating Err	1	134	99.3%	(C)

PIC-T0020-0348_(653050); PIC-T0020-0348_(653050); PIC-T0031-0293_(653332); PIC-T0038-0778_(6533965)

PIC-T0187-0050_(6534481); PIC-T0066-0259_(653442); PIC-T0187-0050_(6534481)

All above bridges missing Channel Comments

PIC-C0016-0826_(6534538)

PIC-C0016-0826_(6534538)

METRIC 14 - Posting Load rating data tab

From Files review	# errors	# sampled	% PASS	COMPLIANCE
Op RF < 3 tons but not closed Column BB	0	139	100.0%	(C)
Op RF = 0 but not closed Column BC	0	139	100.0%	(C)
% Legal < 100 but not posted Column BD	0	139	100.0%	(C)
Item 41= B Column BE	0	139	100.0%	(C)

METRIC 16 - Fracture Critical Insp. (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 Inspectio (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
12	supply comments when rating < 6, comments need to be detailed with LES

