

BUTLER County 2021

INVENTORY, APPRAISAL & INSPECTION SNAPSHOT

12/9/2021

Inventory Data - NBIS Bridges Only

				<u>NBIS COUNT</u>
NBIS Bridges > 20'				218
Bridges 10'-20'				192
				410
Item 22 Inspection Responsibility		CODE	# NBIS	# ALL
Data Tab	Col BV,B'w County	2	218	410
Item 21 Maintenance responsibility		CODE	# NBIS	# ALL
Data Tab	County	2	208	395
Col D	City or other local	4	0	0
	Railroad	27	10	11
	Private (tohter than RR)	26	0	4
	State Park	11	0	0
	Local Park	23	0	0
	Township	3	0	0
				218
				410
Item 42 Type service on bridge		CODE	# NBIS	# ALL
Data Tab	Other	0	0	0
Col Q	Highway	1	203	388
	Railroad	2	10	11
	Ped/Bikeway	3	0	0
	Hwy/RR	4	0	0
	Hwy/Ped	5	5	11
				218
				410
Item 42 Type service under bridge		CODE	# NBIS	# ALL
Data Tab	Other	0	0	3
Col R	Hwy w/ or w/o Ped	1	10	11
	Railroad	2	7	7
	Ped/Bkwy	3	0	1
	Hwy w/ RR	4	0	0
	Waterway	5	198	385
	Hwy/Waterway	6	1	1
	RR/Waterway	7	2	2
	Hwy/Waterway/RR	8	0	0
	Relief (for waterways)	9	0	0
				218
				410

ITEMS 43A,B,C Structure Type (Col M,N,O)		CODE	# NBIS	# ALL
Other Beam or Girder		002	1	1
Concrete Slab		101	12	34
Concrete Box Beam/Girder Multiple		105	8	15
Concrete Frame		107	5	25
Concrete Deck Arch		111	1	1
Concrete Culvert (incl frame culverts)		119	48	133
Concrete Continuous Slab		201	16	16
Concrete Continuous Box Beam/Girder Multiple		205	1	1
Steel Beam or Girder		302	15	17
Steel Girder w/ Floor System		303	3	3
Steel Thru Truss (includes Pony)		310	4	4
Steel Culvert (incl frame culverts)		319	7	59
Steel Continuous Beam or Girder		402	5	5
Prestressed Concrete Thru Arch		502	12	12
Prestr. Conc. Cont. Box Beam/Girder Multiple		505	50	51
Prestr. Conc. Cont. Box Beam/Girder Spread		506	1	1
Prestressed Concrete Continuous Thru Arch		602	11	11
Prestr. Conc. Cont. Box Beam/Girder Multiple		605	17	17
Timber Deck Arch		811	1	1
Timber Culvert (incl frame culverts)		819	0	1
Aluminum or Iron Culvert (incl frame culverts)		919	0	2
			218	410
Item 92 Fracture Critical		CODE	# NBIS	# ALL
Data Tab	Requires FC Inspection	Y	4	n/a
Col U,V,Y	Requires FC Inspection	N	214	n/a
			218	n/a
		FC Switch Y/N is Blank	0	n/a

Item 113 Scour			# NBIS	# ALL
Data Tab	Bridge not over waterway	N	17	22
Col AA	unknown foundation	U	0	0
	over tidal waters	T	0	0
	foundations on dry land	9	1	1
	stable above footing	8	125	248
	countermeasures installed	7	2	3
	no scour evaluation made	6	0	0
	stable within footer limits	5	73	136
	stable action needed	4	0	0
	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
			218	410

Item 63 Documented Engineering Judgment			# NBIS	# ALL
	Field Eval & Doc EJ		22	n/a
	BR_100 for these bridges?			

Item 92 Underwater		CODE	# NBIS	# ALL
Data Tab	requires dive inspection	N	216	n/a
Col W,X,Z	requires dive inspection	Y	2	n/a
			218	

Item 70 Plan Information		CODE	# NBIS	# ALL
Data Tab	plans not avail	0	22	40
Col. AW	plan avail	1	180	352
	field measured	2	6	6
	Field Testing	3	0	0
	not applicable	N	10	12
			218	410

Load Rating Data		
Load Rating Tab		# OF ERRORS
Col. AN	Op RF greater than Inv RF?	0
Col. AO	Posting and % Legal OK?	0
Col. AP	"0" used instead of blank	0
Col. AT	% legal <> lowest RF	0
Col. AV	Item 70 correct?	0
Col. AW	Method of Rating Alike?	0
Col. AX	Op & Inv RF in Tons as req'd?	0
Col. AY	Item 575 correct?	0
Col. AZ	Depth of fill completed?	0

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 Qc (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	2	100.0%	(C)
Comprehensive		0	2	100.0%	(C)
Refresher		0	2	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	73		66.5%	(NC)
METRIC 8 - Insp. Frequency Underwater					
Dive Inspections Overdue		# OVERDUE	# UW	% PASS	COMPLIANCE
Data Tab	Col. Z 60 months	0	2	100.0%	(C)
METRIC 10 - Insp. Frequency FC Member					
FC Inspections Overdue		# OVERDUE	# FC	% PASS	COMPLIANCE
Data Tab	Col. Y 24 months	0	4	100.0%	(C)
METRIC 12 - Routine Inspection (** from field review)					
Field Ratings		# > +/-1	# Ratings	% PASS	COMPLIANCE
	field ratings**	0	24	100.0%	(C)
Comments		Missing	# < 6	% PASS	
Tab	Comments when Rating < 6	0	208	100.0%	(C)
	Adequacy comments**	0	30	100.0%	(C)
		Error	total Score	% PASS	
Comment	Rating should be = Scour	1	200	99.5%	within tolerance +/- 1
Tab	Noncompliant Scour Rating E	0	200	100.0%	(C) Scour controls Substructure

METRIC 14 - Posting		Load rating data tab						
From Files review		# errors	#sampled	% PASS	COMPLIANCE			
Op RF < 3 tons but not closed		0	218	100.0%	(C)			
Op RF = 0 but not closed		0	218	100.0%	(C)			
% Legal < 100 but not posted		1	218	99.5%	(SC) BUT-T0064-0165_(0932213)			
Item 41= B		0	218	100.0%	(C) Simple coding error A to P			
METRIC 16 - Fracture Critical Ins (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 Inspecti (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)			

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
6	Inspections need to be on time
14	Edit Assetwise item 41 from A to a P BUT-T0064-0165_(0932213)

