LICKING County 2021 INVENTORY, APPRAISAL & INSPECTION SNAPSHOT 10/19/2021 Inventory Data - NBIS Bridges Only NBIS COUNT NBIS Bridges > 20' 227 Bridges 10'-20' 206 433 Item 22 Inspection Responsibility CODE * NBIS # ALL Data Tab Col BV,BW | County 227 433 Item 21 Maintenance responsibility CODE * NBIS # ALL 227 434 County Data Tab City or other local 4 ColD 0 0 27 0 Railroad 0 Private (tohter than RR) 0 26 0 0 State Park 11 0 Local Park 23 0 0 0 Township 3 n 227 434 Item 42 Type service on bridge CODE # NBIS * ALL Other 0 0 Data Tab Highway 1 226 431 ColQ 2 Railroad 0 0 3 Ped/Bikeway 1 0 Hwy/RR 4 0 5 Hwy/Ped 0 227 433 Item 42 Type service under bridge # ALL CODE * NBIS Other 0 0 Data Tab Hwywl or wlo Ped 1 ColR 1 Railroad 2 1 Ped/Bkwy 3 0 0 0 Hwyw/RR 4 0 225 431 Waterway 5 Hwy/Waterway 6 0 0 0 7 0 RR/Waterway 0 Hwy/Waterway/RR 0 8 9 0 Relief (for waterways) 0 433 227

ITEMS 43A,	B,C S	itructure Tppe	(Col M.N,O)	CODE	# NBIS	# ALL
Concrete Slab		1183	1 1	101	5	15
Concrete Tee	Beam			104	0	1
Concrete Culs	vert (inc	l frame oulverts)		119	29	134
Concrete Con	tinuous	s Slab		201	9	9
Steel Beam or	Girder			302	95	125
Steel Thru Truss (inloudes Pony)				310	34	34
Steel Culvert (incl frame culverts)			319	1	55	
Steel Continuous Beam or Girder			402	5	5	
Prestressed Concrete Thru Arch				502	1	1
Prestr. Conc.	Cont. B	lox Beam/Girder <mark>f</mark>	Multiple	505	48	48
per la contra de la companya de la companya de la contra d		vert (incl frame ou		919	0	6
				10.50	227	433
						.41
Item 92 Fra				CODE	# NBIS	# ALL
Data Tab		equires FC Inspe		Υ	33	n/a
Col U,V,Y	R	equires FC Inspe	ction	N	194	nla
	-			+	227	n/a
			FC Switch	Y/N is Blank	0	nla
Item 11: Sco	NAT .				* NBIS	* ALL
Data Tab		ridge not over wa	terwau	N	2	2
Col AA		nknown foundatio		Ü	1	- 1
COLLEG	- 1000	ver tidal waters		Ť	Ö	o
	1000	undations on dry	land	9	1	1
		able above footing		8	102	192
		ountermeasures i		7	3	12
	-	o scour evaluatio		6	Ō	0
		able within footer		5	118	222
	- 100	able action need		4	0	3
		cour critical - uns		3	0	ō
	- 100	cour critical - sco		2	Ō	Ō
		cour critical - failu		1	Ō	Ô
		cour critical - brid		0	Ō	Ō
	- 1		7		227	433

Item 63 E	ocumented Er	gineerii	ng Judgme	ent	# NBIS	# ALL	
		1& Doc E			16	n/a	
			BR_100	for these brid	dges?		
Item 92 L	Inder v ater			CODE	# NBIS	# ALL	
Data Tab	requires	dive inspe	ction	N	227	n/a	
Col W,X,Z	requires	dive inspe	ction	Y	0	n/a	
					227		
Item 70 F	lan Informatio	n		CODE	# NBIS	# ALL	
Data Tab	plans no			0	11	104	
Col. AW	plan avai	22000000		1	107	166	
	field mea			2	107	158	
	Field Tes	X		3	1		
	not appli	cable		N	1	2	
					227	431	
Item 63 M	lethod of Anal	ysis		CODE	# NBIS	# ALL	
Data Tab	Work Stre			0	16	96	
Col. AV	LFR			1	0	0	
	LRFR			2	0	0	
	load test			3	0	0	
	No rating			4	0	0	
	LFR			5	0	-	
	AS			6	138	185	
	LRFR			7	12	15	
	175,000,00	LFR HS2	20	8	60	108	
	10.000.000	LRFRHL		Ď	1	23	
	\$11 PM PER	(RR, etc)		F	0	5	
			d, RR, Bld	×	Ö	Ō	
				47.00	227	433	
REMINDE	R:				22.1		
	oad Factor red	quired fo	r bridges	built aft (exc	eptions: tim	ber, etc.	
	RFR required (
1 10			a more and the	SCHOOL COLORS			

	Inspection Conditio	n Data	- NBIS B	ridges On	ly
Item 41	Operating Status		CODE	# NBIS	# ALL
Data Tab	Open, No restriction	1	Α	197	397
CallAM	Open, posting reco	mmende	В	0	(
	Open, Half width co		С	0	
	Open because of te		D	0	
	Open using temp. s		E	0	84
	New struture not yet		Ğ	0	
	closed for load cap.		K	0	0
	Posted for load cap		P	30	36
	Posted for other tha		B	0	- (
	Closed for other tha		×	ő	ĺ
			***	227	434
	Load Rating Data				
Load Rat	ing Tab		# OF ERRORS	3	
Col. AN	Op RF greater than	Inv RF?	0		
Col. AO	Posting and % Lega	al OK?	Ö		
Col. AP	"0" used instead of		Ö		
Col. AT	% legal≺> lowest RI	F	0		
Col.A V	Item 70 correct?		Ö		
Col. AW	Method of Rating A		Ö		
Col. AX	Op & Inv RF in Tons	as regid?	Ö		
Col. AY	Item 575 correct?		Ö		
Col. AZ	Depth of fill complet	ed?	0		

		KEY METRIC	<u>s</u>			
(C) (SC)	Compli Substa	iant antially Compliant	(CC) (NC) (NC)	Non-C (SC) If		pliant ithin 6/12 month omprehensive="
METRI	2 - Pro	ogram Manager Q	(from file	s examina	ation)	
From F	iles revi	ew	Missing	# sample	edz PASS	COMPLIANCE
PE/Exp	erience		0	1	100.0%	(C)
Compre	hensive		0	1	100.0%	(C)
Refresh	er		0	1	100.0%	(C)
METRIC	C 6 Insp	. Frequency Rout	ine			
Bridge	Inspect	ions Overdue 🙎	Overdue		% PASS	COMPLIANCE
Data Tab	NBIS -	24 months	0		100.0%	(C)
Col. Y	ORC-	CalendarYear	0		100.0%	(C)
	BIM -	18 months	3	1	98.7%	(SC)
METRI	C 8 - Ins	p. Frequency Un	der v ate	r		
Dive In	spectio	ns Overdue 🙎	Overdue	Total U	WZ PASS	COMPLIANCE
Data Tab	Col. Z	60 months	0	0	100.0%	(C)
METRIC	C 3 - Te	am Leader Qualif	i (from file	s examina	ation)	
		ev			edz PASS	COMPLIANCE
	/Experien		ő	2	100.0%	(C)
Compre	hensive		0	2	100.0%	(C)
Refresh	er		0	2	100.0%	(C)
		. Frequency Rout				
	decrees an annual section	ions Overdud O			Z PASS	COMPLIANCE
Data Tab	NBIS -	24 months Calendar Year	0		100.0%	(C)
Col. AB	ORC - BIM -	18 months	0		100.0%	(C) (C)
	DIME	TO HIGHWIS			100.07	100

Dive In:	spection	s Overdue	* 01	/ERDUE	* UW	Z PA	SS	COM	IPLIANC	E
Data Tab C	ol. Z	60 months		0	0	100.0)%		(C)	
METRIC	: 10 - Ins	sp. Freque	ncy F(: Membe	г					
FC Insp	ections	Overdue	# 01	/ERDUE	# FC	Z PA	SS	COM	IPLIANC	E
Data Tab C	ol. Y	24 months		10	33	95.6	3%		(SC)	
METRIC	12 - Ro	utine Insp	ection		_	-	+			+
Field R					# Rating	Z PA	SS	COM	APLIANC	E
	field ratin	ngs		0	24	100.0			(C)	
Comments				Missing	# < 6	Z PA	SS			-
ТаБ	Commer	nts when Rati	na < 6	10	22	6 95.6	3%		(C)	
			95	Error	otal Sco	Z PA	SS			-
Comments	Rating sl	nould be = So	cour	34	225 84.9% w		within tolerance +/- 1		-1	
Tab		pliant Scour		8	225	5 96.4	1%		(C)	
IC TOORS OF	E (4E30044)	Bide by by and	- 16		51 000	2000	word.		P. C.	-
IC-10306-00	15_(4533044)	Bridge has been old	osed for ove	er a year.						
										+
iee Comments	TAB 6 of the	10 bridges flagged fo	or scour cor	nments have so	our comments	Channel or S	Substr	ucture items	and are listed be	low.
		LIC-T0029-0020_								
IC-C0138-011 iee Comments		LIC-C0041-0090_(4537920);	LIC-T0290-012	0_(4536703);	Scour comm	ents a	are in Substru	icture of channe	litems
	: TAB column A	∤B								

METRIC 14 - Posting L	oad rating data tab	ě		
From Files review	# errors	sample	dz. PASS	COMPLIANCE
Op RF < 3 tons but not closed	0	227	100.0%	(C)
Op RF = 0 but not closed	0	227	100.0%	(C)
% Legal < 100 but not posted	0	227	100.0%	(C)
Item 41= B	0	227	100.0%	(C)
METRIC 16 - Fracture Cri	tical Inspection			
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 review	Missing	# U₩	% 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)

	PREL	IMINARY FHWA 23 M	etric Ma	trix		
23 metric	s used l	oy FHWA to measure NBIS complian	nce			
Compli	ance Co	odes for the following Metrics	5:			
	(C)	Compliant				
	(SC)	Substantially Compliant				
	(CC)	Conditionally Compliant (Adherin	g to approve	dPCA)		
	(NC)	Not Compliant				
Metric	Docori	intion	(C)	(SC)	(CC)	(NC)
1	Descri		(C)	(JU)	(CC)	(INC)
2		ridge Inspection Organization			S/ - 3	
3		n Manager Qualification eader Qualification			2 4	
4		ating Engineer Qualification			8 1	
5		dge Inspection Diver Qualification				
6		Inspection Frequency - Low Risk			8 +	
7					S 4	
8		Inspection Frequency - High Risk			8 8	
9		pection Frequency - Low Risk pection Frequency - High Risk			8/ 8	
10					4	
11		ection Frequency ncy Criteria			S 6	
12					3 3	
13		ion Quality			8 8	
14	LoadR				8 - 4	
		or Restricted Bridges			8 6	_
15	Bridge				3 3	
16 17	FC Brid	CONTRACTOR OF THE PROPERTY OF			V 2	
18		pection procedures			2 4	
		Critical Bridges			S 6	-
19		x Bridges			3 3	
20	QC/QA	10.471.070.0032			S/ - 3	
22		Findings			8 4	
23	Invento				5 6	_
23	Updatir	ng of Data "based on results of F	iald Raujau		8 9	
		Dased Offiesuits Off	ield i leview			
Metric	Action	Needed	11765 20			
12	Scour F	Rating should control Substructure	or Deck			
10	10 over	due FC bridges needing inspection			1	
6	3 routin	e inspected bridge overdue for insp	ection by 18	months		