APPENDIX D
FULL STRUCTURE INVENTORY

Structure Inventory

Route	County	MP	Bridge No.	Location Description	Features Intersected	Type	Year Built	Length (ft)	Approach Roadway Width (Ft.)	Width (ft) (Curb To Curb)	Skew	Sufficiency Rating	Date of Inspection	Structurally Deficient[3] (Yes or No)	Functionally Obsolete4 (Yes or No)	Inventory Rating (Tons)	Operating Rating (Tons)	NBI Condition Rating5s			
																		Deck	Super-structure	Sub-structure	Culvert
KY 377	Rowan	11.090	103B00027N[1]	3 Mi. N of E-JCT KY 799	N. Fork of Triplett Crk	3-Span Concrete Continuous Tee Beam	1948	99.081	17	20.125	30	73.1	5/9/14	No	Yes	39.6	66.0	7	6	6	
KY 377	Rowan	13.910	103B00028N[1]	1.6 Mi. S of Lewis CL	Nickles Hollow Branch	2-Span Concrete Culvert	1951	26.903	17	23.750	0	60.4	5/9/14	No	Yes	26.6	44.3	NA	NA	NA	6
KY 377	Lewis	1.260	068B00053N[1]	1.2 Mi. N of Rowan CL	McCless Hollow Branch	Single Span Concrete Tee	1955	33.000	17	19.685	0	76.9	2/6/14	No	Yes	41.9	69.8	6	6	7	
KY 377	Lewis	1.630	068B00052N[1]	1.5 Mi. N of Rowan CL	Hardy Fork	Single Span Concrete Tee	1955	33.136	19	21.982	0	69.2	2/6/14	No	No	37.0	63.1	6	5	7	
KY 377	Lewis	2.964	068B00051N[1]	2.7 Mi. N of Rowan CL	Stem Fork	Single Span Concrete Tee	1955	42.979	19	21.982	0	80.4	2/6/14	No	No	36.0	56.0	7	6	7	
KY 377	Lewis	8.509	068B00050N[1]	.05 Mi. S of JCT KY 344	Kinniconick Creek	3-Span Concrete Tee	1954	113.845	20	20.013	0	64.0	2/11/14	No	No	30.2	50.3	6	6	5	
KY 344	Lewis	16.389	068B00026N1	2.3 Mi. SW of JCT KY 59	Holly Creek	3-Span Concrete Tee	1953	113.845	20	21.982	30	71.7	2/3/14	No	No	28.0	50.0	6	6	6	
KY 344	Lewis	18.480	068B00015N2	.05 Mi. W of JCT KY 59	Grassy Branch	2-Span Concrete Tee Beam	1935	76.115	19	20.669	0	49.4	10/21/2014	Yes	NA	41.8	69.7	5	4	5	
KY 59	Lewis	23.174	068B00095N	50 Feet SE JCT KY 9	Dry Run Creek	2-Span Concrete Culvert	1986	28.870	52	0.000	0	78.4	1/24/14	No	No	36.0	60.0	NA	NA	NA	7
KY 59	Lewis	23.010	068B00094N	500 Feet SE JCT KY 546	Dry Run Creek	3-Span Concrete Culvert	1986	89.895	40	40.354	60	78.4	1/24/14	No	No	36.0	60.0	NA	NA	NA	6
KY 59	Lewis	22.800	068B00014N[1]	.1 Mi. S of JCT KY 1149	Apple Tree Creek	2-Span Concrete Culvert	1936	23.950	17	0.000	30	64.1	1/9/14	No	No	15.0	25.0	NA	NA	NA	7
KY 59	Lewis	19.960	068B00082N[1]	2.0 Mi. N of JCT KY 344	Grassy Branch	2-Span Concrete Culvert	1950	26.903	20	0.000	45	54.8	2/5/14	No	No	15.0	25.0	NA	NA	NA	5
KY 59	Lewis	19.690	068B00016N[1]	1.6 Mi. N of JCT KY 344	Grassy Branch	3-Span Concrete Culvert	1940	34.121	20	25.200	45	48.6	2/6/2014	No	No	15.0	25.0	NA	NA	NA	6

Notes:

All data with the exception of the Structurally Deficient and Functionally Obsolete columns is taken from the Inspection Report with Structure Inventory & Appraisal Data. That column is taken from the Structural Inventory and Appraisal Sheets for each bridge

[1]Bridge railing, approach guardrail, transitions, and guardrail ends are substandard

[2]Bridge railing has been hit multiple times leaving exposed steel. Also diagonal cracks in both faces of the barrier. Bridge railing, approach guardrail, transitions, and guardrail ends are substandard

[3]Bridges are considered structurally deficient if significant load carrying elements are found to be in poor condition due to deterioration and determined to be extremely insufficient to the point of causing intolerable traffic interruptions.

[4]The design of a bridge is not suitable for its current use, for example it could have a lack of safety shoulders or the inability to handle current traffic volume, speed, size, or weight.

Condition Ratings - Culverts

7- Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by dift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting

6 - Deterioration or initial disintegration minor chloride contamination, cracking with some leaching, or spalls on concrete or masonry walls and slabs. Local minor scouring at curtain walls, wingwalls or pipes. Metal culverts have a smooth curvature, non- symmetrical curvature with superficial corrosion and moderate pitting.

5 – Moderate to major deterioration or disintegration, extensive cracking and leaching, or spalls on concrete or masonry walls and slabs. Minor settlement or misalignment. Noticeable scouring r erosion at curtain walls, wingwalls or pipes. Metal culverts have significant distortion and deflection in one section, significant corrosion or deep pitting.

Condition Ratings - Bridges

7 – Good – some minor problems structural elements how some minor deterioration

6 – Satisfactory– structural elements how some minor deterioration

5 – Fair – all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.

4 – Poor – advanced section loss, deterioration, spalling or scour.