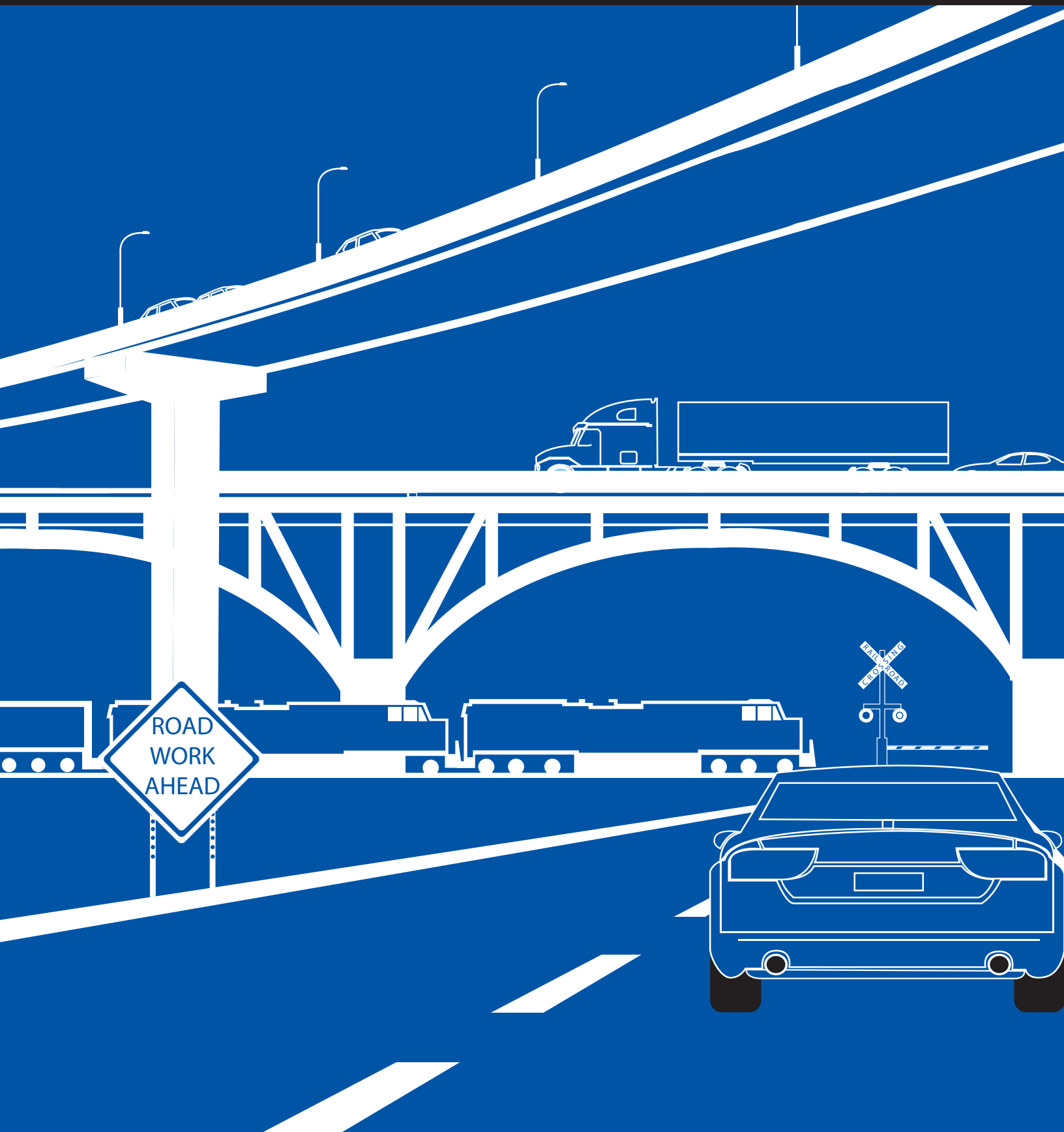
Truss Bridge Rehabilitation Prioritization

Report Number: KTC-18-13/SPR15-503-1F

DOI: https://doi.org/10.13023/ktc.rr.2018.13



Kentucky Transportation Center
College of Engineering, University of Kentucky, Lexington, Kentucky

in cooperation with
Kentucky Transportation Cabinet
Commonwealth of Kentucky

Kentucky Transportation Center
College of Engineering, University of Kentucky, Lexington, Kentucky

in cooperation with
Kentucky Transportation Cabinet
Commonwealth of Kentucky

KENTUCKY Transporation Center

Kentucky Transportation Center • University of Kentucky
176 Raymond Building • Lexington, KY 40506 • 859.257.6898 • www.ktc.uky.edu

University of Kentucky

Research Report
KTC-18-13/SPR15-503-1F

Truss Bridge Rehabilitation Prioritization

Abheetha Peiris, Ph.D., P.E.
Research Engineer

and

Issam E. Harik, Ph.D.
Professor of Civil Engineering

Kentucky Transportation Center
College of Engineering
University of Kentucky
Lexington, Kentucky

In Cooperation With
Kentucky Transportation Cabinet
Commonwealth of Kentucky

July 2019

1. Report No. KTC-18-13/SPR15-503-1F	**2. Government Accession No.**	**3. Recipient's Catalog No**
4. Title and Subtitle Truss Bridge Rehabilitation Prioritization		**5. Report Date** July 2019 **6. Performing Organization Code**
7. Author(s): Abheetha Peiris, Issam E. Harik		**8. Performing Organization Report No.** KTC-18-13/SPR15-503-1F
9. Performing Organization Name and Address Kentucky Transportation Center College of Engineering University of Kentucky Lexington, KY 40506-0281		**10. Work Unit No. (TRAIS)** **11. Contract or Grant No.** SPR 15-503
12. Sponsoring Agency Name and Address Kentucky Transportation Cabinet State Office Building Frankfort, KY 40622		**13. Type of Report and Period Covered** **14. Sponsoring Agency Code**

15. Supplementary Notes
Prepared in cooperation with the Kentucky Transportation Cabinet

16. Abstract
Kentucky's inventory of historic steel truss bridges is declining rapidly. There are more than 150 historic truss bridges in the Kentucky Transportation Cabinet's (KYTC) bridge inventory. Most of these bridges require maintenance to avoid replacement. However, prioritizing the rehabilitation of these bridges based on their historic importance is challenging. While AASHTO's Guidelines for Historic Bridge Rehabilitation and Replacement contain guidance on selecting bridges for preservation, currently there is no guidance on how to prioritize those historic bridges selected for rehabilitation. Building on a previous study that identified historic truss bridges in Kentucky meriting preservation, the Kentucky Transportation Center (KTC) developed a truss bridge database listing the historic, geometric and other key features of the bridges. 108 candidate bridges were selected as being historically significant for preservation. Fourteen of the bridges were replaced during the course of the study, leaving 94 bridges for evaluation. KTC developed a ranking system for rehabilitation prioritization. Two levels of prioritization were considered in this study. The first level, *Historical Importance*, is the primary and most important level of prioritization. A historical importance factor, HIF, was calculated for each bridge based on its uniqueness, year of construction, and other factors. Bridges were then sorted based on their HIF to identify the ones for rehabilitation prioritization. When a number of bridges have the same HIF, a second level of prioritization, P2F, which accounts for *Bridge Condition* and *Rehabilitation Potential*, is deployed. A bridge condition factor, BCF, and rehabilitation potential factor, RPF, are calculated for each bridge. Eight of the bridges were identified as being of significant historical importance, receiving an HIF greater than 100. Of the remaining bridges, 30 had an HIF between 10 and 100, and the rest (56 bridges) earned an HIF less than 10.

17. Key Words truss bridge, historic importance, rehabilitation prioritization, bridge condition, preservation		**18. Distribution Statement** Unlimited with approval of the Kentucky Transportation Cabinet	
19. Security Classification (report) Unclassified	**20. Security Classification (this page)** Unclassified	**21. No. of Pages** 120	**19. Security Classification (report)**

Acknowledgments

The financial support is provided by the Federal Highway Administration (FHWA) and the Kentucky Transportation Cabinet (KYTC). The contribution of the KYTC Study Advisory Committee is greatly appreciated: Dora Alexander (Chair), David Waldner, David Steele, Amanda Abner, JC Pyles, Tom Mathews, and Josh Rogers. The KYTC District Bridge Engineers provided much of the information related to the condition and rehabilitation potential of the bridges. The assistance of Mr. John Pike in preparing this report and Dr. Chris VanDyke in reviewing it is also greatly acknowledged.

Table of Contents

List of Tables

1. Introduction

Kentucky's stock of historic steel truss bridges is dwindling rapidly. While there are more than 150 historic steel truss bridges in the Kentucky Transportation Cabinet's (KYTC) bridge inventory many historic bridges are being replaced to meet the demands of larger vehicles and greater traffic volumes. When being considered for rehabilitation, older structures, built using material and design standards from at least 50 years ago, do not meet current engineering standards. Although the National Historic Preservation Act of 1966 incentivizes the preservation of these bridges, there are no unifying standards for addressing the structural, functional and safety considerations in the rehabilitation and/or preservation process. Several reports and guides have been developed by national organizations that contain guidance on selecting and implementing methods for preserving historic bridges. These include NCHRP Synthesis 275: Historic Highway Bridge Preservation Practices (Chamberlin W.P., 1999), NCHRP 25-25/Task 66: Best Practices and Lessons learned on the Preservation and Rehabilitation of Historic Bridges (Parsons Brinckerhoff, Inc., 2012), Guidelines for Historic Bridge Rehabilitation and Replacement (AASHTO, 2008) and Identifying and Preserving Historic Bridges (USDA Forest Services, 2000). These publications detail many of the existing policies and practices pertaining to Historic Bridge preservation. Several state departments of transportation (DOTs), including Minnesota (Mead and Hunt Inc. and LHB Corporation, 2015), Oregon (Oregon DOT, 2007), Virginia (Miller et al., 2001) and Connecticut (Connecticut DOT, 1991), have developed bridge preservation plans to encourage the maintenance and preservation of historic bridges. The Virginia Department of Transportation report, Best Practices for the Rehabilitation and Moving of Historic Metal Truss Bridges (McKeel Jr. W.T. et al., 2006), discusses many of the options available for historic steel truss bridges.

Because there are no specific federal or state funds to rehabilitate historic truss bridges, many of these structures compete with all other bridges on the state transportation network for rehabilitation/preservation funds. Due to the number of candidate bridges and limited funding, it is important to prioritize the rehabilitation of these bridges based on their historical importance. While AASHTO's Guidelines for Historic Bridge Rehabilitation and Replacement (AASHTO, 2008) provide insight on the selection of bridges for preservation, currently there is no guidance on how to prioritize the rehabilitation of those historic bridges selected for preservation. It is of great interest to prioritize the rehabilitation of these bridges based on historical importance while maintaining the required service from the structure.

A recent study carried out by the Kentucky Transportation Center (KTC) assessed historic truss bridges in Kentucky and developed a list of bridges with significant historical value and potential for rehabilitation (O'Connell et al., 2013). Building on this study and using additional input from KYTC, KTC researchers identified 108 candidate bridges as being historically significant and meriting preservation. Most of these bridges require maintenance to avoid replacement. Upon further examination, the research team found that 14 bridges had been replaced, leaving only 94 bridges for evaluation. Several multi-span truss bridges, including all of the Ohio River interstate bridges were excluded from the study. The reason for these omissions — as also stated in

AASHTO (2008) — is that rehabilitation will always be considered for such long span bridges irrespective of historic significance as it will be less expensive than full replacement.

The study describes a ranking system to quantify the historical significance of historic steel truss bridges. The criteria account for factors such as structure age, uniqueness of truss type in the state of Kentucky, and other historic and unique features associated with the bridge. Weighted factors were developed for identified criteria to assign a level of significance with respect to historic importance. A secondary ranking system can be used to differentiate rehabilitation prioritization when multiple bridges have the same ranking based on historical importance. Current bridge condition and the potential for rehabilitation were identified as potential criteria for developing the secondary ranking system.

2. Prioritization Factors

This study considered two levels of prioritization. The first level, Historical Importance, is the primary and most important level of prioritization. The Historical Importance Factor, HIF is based on four (4) factors that take into account the uniqueness of the truss, the age of the bridge, unique features utilized in bridge construction, and historic features associated with the bridge. Bridges are sorted based on their HIF score to identify structures for rehabilitation prioritization. The development of the HIF is described in detail in the next chapter.

In the event several bridges possess the same HIF, a second level of prioritization is adopted to account for the bridge condition and the rehabilitation potential. A Bridge Condition Factor, BCF, and Rehabilitation Potential Factor, RPF, are derived for each bridge, and the second level prioritization factor, P2F, is determined. Chapter 4 details the derivation of the second level prioritization factor.

3. Historical Importance Factor (HIF)

The Historical Importance Factor (HIF) identifies historic truss bridges requiring priority in rehabilitation and/or preservation. Following conversations with the KYTC study advisory committee (comprised of members from both Bridge Maintenance and Environmental Analysis divisions) researchers decided to base the HIF calculation on four factors. For each factor, a bridge is assigned a weighted score based on pre-specified criteria. The four factors are:

- Unique Truss Factor (X_1)
- Age Factor (X_2)
- Unique Feature Factor (X_3)
- Historic Feature Factor (X_4)

The HIF is calculated by multiplying these four independent factors (Eq. 1) rather than summing them. It was decided that the product, will better highlight/identify the historically important bridges.

$$\text{HIF} = X_1 \cdot X_2 \cdot X_3 \cdot X_4 \quad (1)$$

3.1 Unique Truss Factor, X_1

KYTC needs to preserve a wide range of truss types. Table 1 shows number of trusses classified within each truss type among the bridges selected for prioritization. The total truss count of 105 is more than the 94 bridges under consideration because several bridges have spans with different truss types. The last two remaining Bedpost trusses were among the bridges that were replaced. Accordingly, this truss type is not listed in Table 1. The 11 bridges identified as Continuous Warren Through trusses comprise multi-span bridges across major rivers including the Ohio, Kentucky, Cumberland, and Green Rivers. While each of these bridges could be considered a unique structure, they cannot be classified under any of the truss types listed in Table 1. Similar to interstate bridges and several other bridges initially left out of the database, as rehabilitation would be a consideration due to the large cost incurred for total replacement, these bridges were expected to fall close to those requirements. They were included in the database for recordkeeping purposes.

Table 2 summarizes the weighted values for Unique Truss Factor (X_1). Weighting are assigned based on the number of remaining number of trusses of a particular truss type. The smaller the number of bridges with a truss type, the higher the weight a factor receives.

Table 1. Truss Types and Number of Trusses Per Type

Truss Type	Number of Trusses [a]	% of Total Trusses
Pratt Through	19	18.1
Warren Deck	12	11.4
Continuous Warren Through [b]	11	10.5
Pratt Pony	10	9.5
Parker Through	9	8.6
Polygonal Warren Through (with verticals)	9	8.6
Pratt Half-Hip Pony	5	4.8
Camelback Through	4	3.8
Warren Pony (with verticals)	4	3.8
Warren Through (with verticals)	4	3.8
Bailey	3	2.9
Pennsylvania (Petit) Through	3	2.9
Polygonal Warren Pony (with verticals)	3	2.9
Baltimore Through	2	1.9
Pratt Deck	2	1.9
Whipple	2	1.9
Baltimore Deck	1	0.9
Bow String Arch	1	0.9
Parker Pony	1	0.9
Total	105	100

[a] the total truss count of 105 is more than the 94 bridges under consideration since several bridges have spans of different truss types

[b] The 11 bridges identified as Continuous Warren Through trusses comprise multi-span bridges across major rivers including the Ohio, Kentucky, Cumberland and Green Rivers. While each of these bridges could be considered a 'unique' structure, they could not be classified under any of the listed truss types in this Table. They were included in the database for record keeping purposes.

Table 2. Unique Truss Factor

Number of similar truss bridges in KY	Factor X_1
1	8
2	6
3	4
4	2
more than 4	1

3.2 Age Factor, X_2

The age factor (X_2) is weighted based on a truss bridge's age. The weight is selected based on the age criteria listed in Table 3. The selection of the years 1910 and 1935 as dividing lines was based on the fact that those trusses were 100 and 75 years old, respectively, when the initial assessment was done in 2010 (O'Connell et al., 2013). Although it would have been possible to add more divisions, researchers felt that using three selected periods and their assigned weights was the most practical option. The oldest truss bridge in the database was constructed in 1868; 12 additional bridges were built prior to 1910. Over half (49) of the bridges were built during the 1910-1935 period, while the remainder (32) were constructed after 1935.

Table 3. Age Factor

Built Year	Factor X_2
Before 1910	4
1910 – 1935	2
After 1935	1

3.3 Unique Feature Factor, X_3

The Unique Feature Factor (X_3) captures the unique structural and/or decorative features. Structural features encompass elements such as tubular beams, pin connections, eye bolts, and stone abutments. Aesthetic features refer to decorative portals, decorative rails, and decorative piers, among other attributes. Table 4 summarizes how weights are assigned for this factor (X_3), based on the number of unique features identified on the bridge.

Table 4. Unique Feature Factor

Number of Unique Features [a]	Factor X_3
3 or more	4
2	3
1	2
None	1

[a] Unique Features include, but are not limited to, cables for bottom chord and diagonals, decorative concrete rails, decorative portals, H-columns, pin connections, stone piers and abutments, tubular beams.

3.4 Historic Feature Factor, X_4

The Historic Feature Factor (X_4) accounts for the number of historic features a truss bridge has. Qualifying features include being within or close to a historical area or district, being named after a historically significant person, being built and/or designed by a historically famous person

and/or company, being a former railroad bridge, and being constructed by the Public Works Administration or other agency of historic importance. This factor (X_4) is weighted based on a bridge's number of historic features (Table 5).

Table 5. Historic Feature Factor

Number of Historic Features [a]	Factor X_4
2 or more	8
1	4
None	1

[a] Historic Features include, but are not limited to, being built and/or designed by a historically significant person/company, named after a historic person, converted railroad bridge, located in a historic district, constructed through the Public Works Administration

3.5 HIF for the KY 644 over Levisa Fork Bridge

One bridge was selected to demonstrate how the HIF is calculated: the KY 644 over Levisa Fork of Big Sandy River Bridge (64B00038N) in KYTC District 12 (Figure A5 in Appendix). The bridge was built in 1904 and consists of three truss spans — two Pratt through trusses and one Warren through truss with verticals.

- Because there are 18 other Pratt through trusses (Table 1) and KY 644 bridge is one of 4 Warren through truss spans with verticals, $X_1 = 2$ (Table 2).
- Since the bridge was constructed prior to 1910, $X_2 = 4$ (Table 3).
- The bridge has unique features such as tubular beams, stone piers, pin connections, and decorative portals. Since there are more than 3 unique features, $X_3 = 4$ (Table 4).
- The bridge was originally a railroad bridge constructed by the King Bridge Company of Cleveland, Ohio. Since the bridge was built by a historic company (O'Connell et al., 2013) and is a former railroad bridge, $X_4 = 8$ (Table 5).

Based on Eq. 1, the HIF = 2×4×4×8 = 256.

4. Second Level Prioritization Factor, P2F

When a number of bridges possess the same HIF, a second level prioritization factor, P2F, can be deployed. P2F is a function of the Bridge Condition Factor, BCF, or the Rehabilitation Potential Factor, RPF, or a function of both BCF and RPF.

$$P2F = BCF \tag{2a}$$

or

$$P2F = RPF \tag{2b}$$

or

$$P2F = BCF \cdot RPF \tag{2c}$$

The Bridge Condition Factor, BCF, is based on the condition ratings assigned to the deck, superstructure, substructure, and channel. The Rehabilitation Potential Factor, RPF, evaluates the ability of future rehabilitation work to increase a bridge's capacity, function, and safety. The selection of the P2F (Eq. 2a, or 2b, or 2c) depends on the information available for the second level prioritization.

4.1 Bridge Condition Factor (BCF)

The Bridge Condition Factor (BCF) identifies bridges requiring immediate attention based on a comparison of the existing condition to the as-built condition. It is calculated based on the number of condition factors with a rating ≤ 4 (see Table 6).

The BCF accounts for the condition of the primary bridge elements using the National Bridge Inventory (NBI) condition ratings (FHWA, 1995), including the Deck (NBI Item 58), Superstructure (NBI Item 59), and Substructure (NBI Item 60).

For bridges that traverse waterways, Channel and Channel Protection (NBI Item 61) — which describes the condition of the channel, riprap, slope protection, or stream control devices — is used as well. This rating is also considered, but only if the primary bridge element ratings are greater than 4. The rating, based on bridge inspections, is available as NBI elements within the AASHTO Bridge Management (BrM) database. A bridge condition rating less than or equal to 4 equates to being in poor condition or having a condition requiring immediate attention.

Table 6. Bridge Condition Factor

Number of Primary Condition Rating Factors [a] ≤ 4	Factor *Y*
All 3 (NBI Item 58, NBI Item 59, and NBI Item 60)	5
2 (Any two of the following 3 Items: NBI Item 58, NBI Item 59, and NBI Item 60)	4
1 (Any one of the following 3 Items: NBI Item 58, NBI Item 59, and NBI Item 60)	3
None, but Channel/Channel Protection [b] ≤ 4	2
None	1

[a] The 3 Primary Condition Rating Factors are the Deck (NBI Item 58), Superstructure (NBI Item 59) and Substructure (NBI Item 60)

[b] The Condition Rating of the Channel and Channel Protection (NBI Item 61)

4.2 Rehabilitation Potential Factor (RPF)

The Rehabilitation Potential Factor (RPF) identifies bridges with the greatest potential for rehabilitation. Three factors go into its calculation, which represent the potential for a bridge to be rehabilitated and meet or exceed the required demands (Eq. 3). As with the HIF, all factors are weighted based on pre-specified criteria. The three factors are:

- Capacity Factor (Z_1)
- Geometric Factor (Z_2)
- Safety Factor (Z_3)

$$RPF = Z_1 \cdot Z_2 \cdot Z_3 \quad (3)$$

The Capacity Factor, Z_1, is based on a proposed rehabilitation effort's capability to meet or exceed required load demands. It may be acceptable for a bridge to accommodate loads less than current design code driven standards. This would encompass the cost-efficient nature of the rehabilitation work as well as the effect of any rehabilitation efforts on the historical nature of the structure (Table 7).

The Geometric Factor, Z_2, evaluates the capacity of a rehabilitation effort to meet or exceed any geometric/functional needs. Rehabilitation actions falling within this category include widening of lanes and meeting clearance requirements, among others. The weights for Z_2 are presented in Table 8.

Table 7. Capacity Factor, Z_1

Potential for Rehabilitation to Improve Capacity	Factor Z_1
Capacity cannot be increased cost effectively or without affecting historical significance	1
Capacity can be increased, but not up to specification [a]	2
Sufficient capacity or can be increased up to or beyond demand	3

[a] e.g., AAHTO Specifications

Table 8. Geometric Factor, Z_2

Potential for Rehabilitation to Improve Geometry	Factor Z_2
Geometry cannot be improved cost effectively, or without affecting historical significance	1
Geometry can be improved, but not up to specifications [a]	2
Sufficient geometry or can be improved up to or beyond specifications [a]	3

[a] e.g., AAHTO Specifications

The Safety Factor, Z_3, identifies how well rehabilitation can improve any safety-related issues. Safety improvements need to be carried out in a cost-effective manner without affecting the historic nature of a bridge. Safety improvements include corrective actions to road alignment, visibility, and any causes of traffic accidents, among others. The weights for Z_3 are presented in Table 9. The calculation of the RPF requires significant in-depth analysis of each and every truss bridge.

Table 9. Safety Factor, Z_3

Potential for Rehabilitation to Improve Safety	Factor Z_3
Safety cannot be improved cost effectively, or without affecting historical significance	1
Safety can be improved, but not up to specifications [a]	2
No safety issues or can be improved up to or beyond specifications [a]	3

[a] e.g., AAHTO Specifications

5. Historic Truss Bridge Rehabilitation Prioritization

KTC researchers developed a historic truss bridge rehabilitation prioritization database using the historic Impact factor, HIF. The study identified 108 bridges for rehabilitation prioritization. Of these bridges, 14 had been replaced and were excluded from additional study. The remaining 94 bridges were ranked based on the HIF. Of the 94 bridges, only 17 were neither structurally nor functionally deficient. Thirty-five (35) bridges were categorized as Functionally Obsolete (FO); the remaining 42 bridge were Structurally Deficient (SD). Figure 1 captures the locations of the 108 bridges considered in the study, including the 14 bridges that have been replaced.

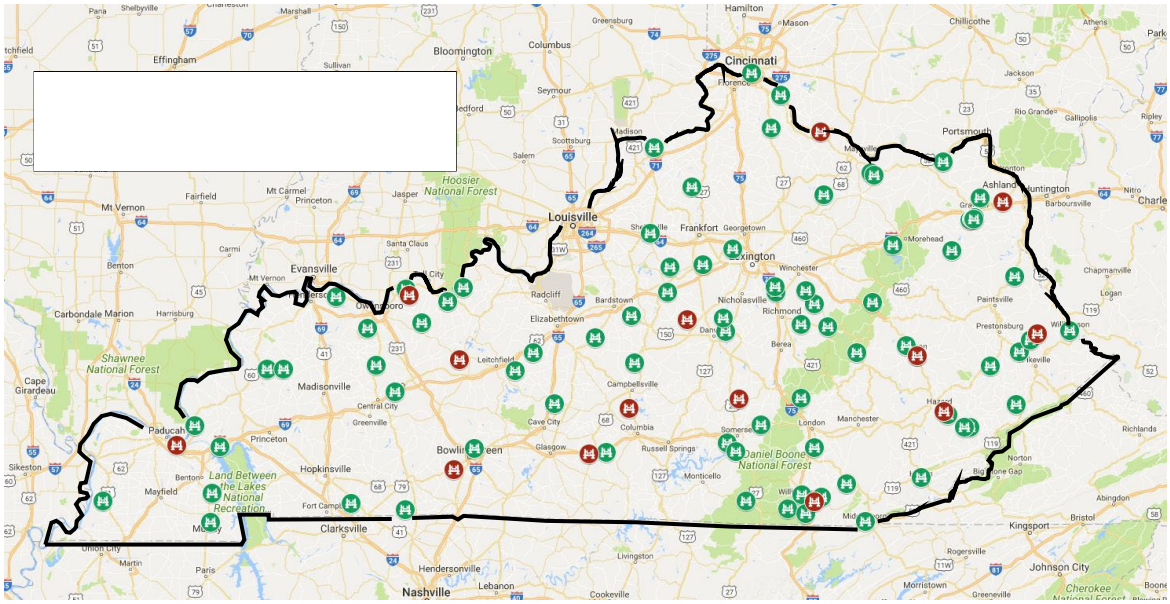


Figure1: Map of Historic Truss Bridges

Table 10 lists the number of bridges having the same HIF value. Eight (8) bridges have an HIF greater than 100. Of the remaining bridges, 30 have an HIF between 10 and 100, while the rest have an HIF less than 10. In general, fewer bridges have the same HIF at high HIF values. The BCF and RPF factors were not used in this study, as the HIF offered sufficient clarity for investigating the rehabilitation potential of the bridges. Table A1 of the Appendix provides a full list of the 94 bridges evaluated for rehabilitation prioritization along with their respective HIF values.

Table 10. Number of Historic Truss Bridges Having the Same HIF

HIF Range	HIF	Number of Bridges
100 ≤ HIF	768	1
	384	3
	256	2
	144	1
	128	1
10 ≤ HIF < 100	96	1
	64	7
	48	2
	36	1
	32	6
	24	5
	16	7
	12	1
1 ≤ HIF < 10	8	12
	6	2
	4	13
	3	1
	2	17
	1	11
	Total:	**94**

6. Summary and Conclusions

Kentucky's stock of historic steel truss bridges is dwindling rapidly. There are more than 150 historic truss bridges in KYTC's bridge inventory. Most of these bridges require maintenance to avoid replacement. But there are difficulties in prioritizing the rehabilitation of these bridges based on their historic importance. AASHTO's Guidelines for Historic Bridge Rehabilitation and Replacement provide insight into the selection of bridges for preservation; however, currently there is no guidance on how to prioritize those historic bridges selected for preservation.

A literature review identified state-of-the-art practices in the area of preservation, maintenance, and rehabilitation prioritization of historic steel truss bridges. Building on a previous study that identified many of the historic truss bridges in Kentucky requiring preservation, KTC researches developed a truss bridge database which lists the historic, geometric, and other key features of each bridge. In total 108 candidate bridges were selected as being historically significant and therefore meriting preservation. Further investigation revealed that 14 of those bridges had been replaced during the course of the study, leaving only 94 bridges under consideration.

A ranking system was developed for rehabilitation prioritization. Two levels of prioritization were considered in this study. The first level — *Historical Importance* — is the primary and most important level of prioritization. A historical importance factor, HIF, was calculated for each bridge based on its age, uniqueness of truss type to Kentucky, unique construction, and other factors. The bridges were then sorted based on their HIF scores to identify those whose rehabilitation should be prioritized. Each factor was assigned a weighted score based on pre-specified criteria. The HIF is the product of the weighted scores. When a number of bridges have the same HIF, a second level of prioritization, P2F, is presented. A Bridge Condition Factor, BCF, and Rehabilitation Potential Factor, RPF, are derived for each bridge, for the determination of P2F.

Eight of the bridges were of significant historical importance and received a HIF greater than 100. Of the remaining bridges, 30 bridges garnered a HIF between 10 and 100. The remaining bridges (56) earned an HIF less than 10. For the bridges under consideration, P2F was not deemed necessary at this stage, since the prioritization based in the HIF provided sufficient clarity for investigating the rehabilitation potential of the bridges. The results generated from the HIF ranking provide the tools for the KYTC to maintain Kentucky's truss bridges based on their historical importance.

References

American Association of State Highway and Transportation Officials. (2008). Guidelines for Historic Bridge Rehabilitation and Replacement, AASHTO, Washington, D.C.

Chamberlin W.P. (1999). Synthesis of Highway Practice 275: Historic Highway Bridge Preservation Practices, National Cooperative Highway Research Program (NCHRP), Washington D.C.

Connecticut Department of Transportation. (1991). Connecticut Historic Bridge Inventory – Final Report: Preservation Plan, CTDOT, Hartford, CT.

Federal Highway Administration. (1995). Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges, FHWA-PD-96-001, Washington, D.C.

McKeel, Jr. W.T., Miller, A. B., Clark, K. S., Saufley, Jr. R. W., Bushman, W. H., and Lester, T. F. (2006). Best practices for the Rehabilitation and Moving of Historic Metal Truss Bridges, VTRC 06-R31, Virginia Transportation Research Council, Charlottesville, VA.

Mead & Hunt Inc. and LHB Corporation. (2015). Management Plan for Historic Bridges in Minnesota, Minnesota Department of Transportation, St. Paul, MN.

Miller, A. B., Clark, K. S., and Grimes, M. C. (2001). A Management Plan for Historic Bridges in Virginia, Virginia Transportation Research Council, Charlottesville, VA.

O'Connell, L., Grossardt, T. and Ripy, J. (2013). Assessment of Kentucky's Historic Truss Bridges, KTC-13-3/ SPR 427-11-1F, Kentucky Transportation Center, Lexington, KY.

Oregon Department of Transportation. (2007). Historic Bridge Preservation Plan, ODOT, Salem, OR.

Parsons Brinckerhoff, Inc. (2012). NCHRP 25-25/Task 66: Best Practices and Lessons learned on the Preservation and Rehabilitation of Historic Bridges, National Cooperative Highway Research Program (NCHRP), Washington D.C.

United States Department of Agriculture Forest Services. (2000). Identifying and Preserving Historic Bridges, USDAFS Technology and Development Program, Missoula, MT.

Appendix A1

Kentucky's Historic Truss Bridge Prioritization Table

Table A1. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
045B00063N	1868	Little Sandy River	KY-3306	45	9	**768**
013B00044N	pre 1910	N. Fork of Kentucky River	KY-3193	13	10	**384**
114C00011N	1889	Barren River	CR 1350 Richardson Rd	114	3	**384**
037B00065N	1893	Kentucky River	US 60X	37	5	**384**
064B00038N	1904	Levisa Fork of Big Sandy	KY-644	64	12	**256**
034B00010N	1871	Kentucky River N. Clays Ferry	KY-2328	34	7	**256**
118C00027N	1917	Clear Creek	Old Mountain Ash Pike	118	11	**144**
090C00024N	1904	Beech Fork at Washington Cl.	Fredericktown Road	90	4	**128**
076C00015N	1900	Muddy Creek	Meadowbrook Road	76	7	**96**
063B00004N	1922	Rockcastle River	KY 490	63	11	**64**
064B00049N	1924	Georges Creek	KY-581	64	12	**64**
061C00035N	1905	Cumberland River	Bingham Road	61	11	**64**
022C00051N	1873	Little Sandy River	Old Fultz Road	22	9	**64**
022C00052N	1873	Little Sandy River	Old Fultz Road	22	9	**64**
022C00053N	1873	Little Sandy River	Old Fultz Road	22	9	**64**
062C00020N	1930	Knob Creek	Blanton Rd	62	4	**64**

Table A1 *(Continued)*. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
110C00062N	1890	Red River	Frederick Road	110	3	**48**
048B00051N	1924	Clover Fork	KY-72	48	11	**48**
063C00036N	1925	Laurel River	Old Highway 25	63	11	**36**
014B00050N	1922	Clover Creek	US-60X	14	4	**32**
070B00017N	1931	Cumberland River	US-60	70	1	**32**
047C00030N	1918	Nolin River	CR 1289	47	4	**32**
056B00136N	1929	Ohio River	US 31	56	5	**32**
078B00023N	1923	Rolling Fork	KY-289	78	4	**32**
106C00047N	1982	Clear Creek	Jail Hill Road	106	5	**32**
011B00005N	1924	Dix River - Herrington Lake	KY-3042	11	7	**24**
071C00023N	1925	Red River	Logan Mill Road	71	3	**24**
022B00074N	1913	Little Sandy River	KY 773	22	9	**24**
022B00075N	1913	Little Sandy River	KY 773	22	9	**24**
003B00003N	1932	Kentucky River	US 62	3	7	**24**
120C00006N	1930	South Elkhorn Creek	Weisenberger Mill	120	7	**16**
081C00022N	1918	N. Fork Licking River	Davis Lane	81	9	**16**

Table A1 *(Continued)*. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
036B00040N	1920	Levisa Fork	KY-2557	36	12	**16**
084B00005N	1924	Herrington Lake	KY 152	84	7	**16**
034C00010N	1937	Boone Creek	Grimes Mill Road	34	7	**16**
081C00018N	1935	Licking River	Dixon Pike	81	9	**16**
117B00043N	1932	Vaughn Ditch	KY 143	117	2	**16**
007C00072N	1910	Yellow Creek	CR 2222, 17th St	7	11	**12**
021B00043N	1948	Kentucky Rvr	KY 36/US 42	21	6	**8**
117B00050N	1922	Crab Orchard Creek	KY 270	117	2	**8**
099B00029N	1935	Red River	KY 77	99	10	**8**
075B00018N	1939	Green River & Rough River	US \431	75	2	**8**
046C00028N	1920	Blackford Creek	CR 1324	46	2	**8**
004B00021N	1937	Ohio River	US 51	4	1	**8**
051B00002R	1932	Ohio River	US 41	51	2	**8**
010B00040N	1930	Ohio River	US 23	10	9	**8**
085C00005N	1911	E. Fork Little Barren River	Mosby Ridge Road	85	3	**8**
025B00089N	1945	Upper Howard Creek	KY 974	25	7	**8**

Table A1 *(Continued)*. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
103C00054N	1921	Bluestone at Triplett Creek	CR 1243	103	9	**8**
100C00050N	1932	Buck Creek	KY 1675 Stab Rd	100	8	**8**
115C00005N	1920	Sulphur Creek	Sulphur Lick Road	115	4	**6**
091C00024N	1917	Licking River	Old US 68	91	9	**6**
118C00001N	1935	Watts Creek	Watts Creek Road	118	11	**4**
079B00040N	1933	East Fork Clarks River	KY 402	79	1	**4**
067B00037N	1930	N. Fork Kentucky River	KY 588	67	12	**4**
092B00050N	1938	Green River	US 62	92	2	**4**
096B00001N	1936	S. Fork Licking River at Butler	KY 177	96	6	**4**
098B00001N	1951	Tug Fork of Big Sandy River	Harvey Street Bridge	98	12	**4**
033B00016N	1940	Kentucky River/CSX RR	KY 52	33	10	**4**
051B00007L	1965	Ohio River	US 41	51	2	**4**
091B00008N	1932	TTI RR and Scrubgrass Creek	KY 32	91	9	**4**
030B00055N	1934	Panther Creek	KY 81	30	2	**4**
098C00121N	1982	Left Fork-Long Fork Shelby Creek	Petty Fork	98	12	**4**

Table A1 *(Continued)*. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
098C00128N	1991	Johns Creek	Hurts Bridge	98	12	**4**
043C00024N	1950	Spring Fork	Pat Tousey Road	43	4	**4**
074B00007N	1941	S. Fork of Cumberland River	KY 92	74	8	**3**
070B00065N	1952	Cumberland River	US 62	70	1	**2**
043C00050N	1950	Branch - Rock Creek	Fragrant Road	43	4	**2**
018C00105N	1930	E. Fork Clarks River	Old Salem Road	18	1	**2**
053B00042N	1928	Obion Creek	KY 58	53	1	**2**
051B00015N	1930	Green River	US 60	51	2	**2**
019B00003N	1946	Twelve Mile Creek	KY 8	19	6	**2**
094B00006N	1942	Severn Creek	KY 355	94	6	**2**
032C00032N	1930	Over Little Sandy	CR 1206	32	9	**2**
013B00012N	1929	Quicksand Creek	KY 1812	13	10	**2**
097C00005N	1926	N. Fork Kentucky River	Kenmont Road	97	10	**2**
118B00022N	1932	Jellico Creek	KY 92	118	11	**2**
003C00050N	1930	East Prong Crooked Creek	CR 1305 Hyatt Rd	3	7	**2**
092C00133N	1929	N. Fork Panther Creek	Quarterhorse Ln.	92	2	**2**

Table A1 *(Continued)*. Historic Importance Factor for Kentucky's Historic Truss Bridges

Bridge ID	Year Built	Feature Intersection	Facility Carried	County	District	HIF
025B00021N	1932	Red River	KY 89	25	7	**2**
068B00003N	1930	Kinniconnick Creek	KY 8	68	9	**2**
100B00029N	1951	Lake Cumberland	KY 80	100	8	**2**
067B00038N	1940	N. Fork Kentucky River, CSX RR	KY 7	67	12	**2**
036B00076N	1944	Right Fork Beaver Creek	KY 777	36	12	**1**
014B00016N	1950	Sinking Creek at Stephensport	KY 144	14	4	**1**
050B00004N	1938	Green River	US 31W	50	4	**1**
059B00037N	1936	Licking River	4th Street	59	6	**1**
022B00017N	1950	Little Sandy River	KY 1661	22	9	**1**
065B00016N	1968	Kentucky River at Heidelberg	KY 399	65	10	**1**
118B00012N	1937	Cumberland River	KY 92	118	11	**1**
100B00032R	1950	Pitman Creek	US 27	100	8	**1**
082B00021N	1967	Ohio River	Brandenburg Bypass	82	4	**1**
113B00045N	1956	Ohio River	Garfield St.	113	2	**1**
030B00118N	1940	Ohio River	KY 2262	30	2	**1**

Appendix A2

Kentucky's Historic Truss Bridges Prioritized and Presented in Descending Order of Their Historical Importance Factors

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**045B00063N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Whipple - Double Intersecting Pratt	
Bridge Description:	3-52 FT WHIPPLE TRUSS SPANS-REWORKD90	

Bridge Information

Year Built:	1868
Feature Intersection:	Little Sandy River
Facility Carried:	KY-3306
District:	9
County:	045 - Greenup
Owner:	KYTC
Latitude:	38.40812007
Longitude:	-82.90570537

Historical Information

Unique Truss Factor:	6
Age Factor:	4
Unique Feature Factor:	4
Historical Feature Factor:	8
Historical Importance Factor:	768

Unique Features:

Tubular Beams, Decorative Portal, Stone, Pin

Special Comments:

1 of 2 Whipple Truss (1 of 2 Open) + Oldest Truss in KY

Historical Features:

converted RR, Phoenix Co.

Bridge Profile

Figure A1: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **013B00044N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Whipple - Double Intersecting Pratt

Bridge Description: 1-188WHIPPLE TRUS&2-51 P.G.&1-30 I-BM SPAN

Bridge Information

Year Built:	pre 1910
Feature Intersection:	N. Fork of Kentucky River
Facility Carried:	KY-3193
District:	10
County:	013 - Breathitt
Owner:	KYTC
Latitude:	37.59288992
Longitude:	-83.42297238

Historical Information

Unique Truss Factor:	6
Age Factor:	4
Unique Feature Factor:	4
Historical Feature Factor:	4
Historical Importance Factor:	384

Unique Features:

Tubular Beams, Stone Piers, Pin

Special Comments:

1 of 2 Whipple Truss (1 of 2 Open) + Sandstone Piers

Historical Features:

converted RR to Road in 1956

Bridge Profile

Figure A2: N. Fork of Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**114C00011N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Bow String Arch	
Bridge Description:	0	

Bridge Information

Year Built:	1889
Feature Intersection:	Barren River
Facility Carried:	CR 1350 Richardson Rd
District:	3
County:	114 - Warren
Owner:	County
Latitude:	37.0208333
Longitude:	-86.4475

Historical Information

Unique Truss Factor:	8
Age Factor:	4
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	384

Unique Features:

Stone, Pin

Special Comments:

Only Bowstring Arches (1 of 1 Open).

Historical Features:

King Co.

Bridge Profile

Figure A3: Barren River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**037B00065N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pennsylvania Petit Through	
Bridge Description:	0	

Bridge Information

Year Built:	1893
Feature Intersection:	Kentucky River
Facility Carried:	US 60X
District:	5
County:	037 - Franklin
Owner:	KYTC
Latitude:	38.19666
Longitude:	-84.878888

Historical Information

Unique Truss Factor:	4
Age Factor:	4
Unique Feature Factor:	3
Historical Feature Factor:	8
Historical Importance Factor:	384

Unique Features:

Stone, Pin

Special Comments:

1 of 3 Pennsylvania Petit Through (1 of 3 Open) (Singing Bridge)

Historical Features:

King Co., HD

Bridge Profile

Figure A4: Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **064B00038N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Pratt Through + Warren Through w/ verticals

Bridge Description: 0

Bridge Information

Year Built:	1904
Feature Intersection:	Levisa Fork of Big Sandy
Facility Carried:	KY-644
District:	12
County:	064 - Lawrence
Owner:	KYTC
Latitude:	38.08047978
Longitude:	-82.59997819

Historical Information

Unique Truss Factor:	2
Age Factor:	4
Unique Feature Factor:	4
Historical Feature Factor:	8
Historical Importance Factor:	256

Unique Features:

Tubular Beams, Stone Piers, Pin, Decorative Portals

Special Comments:

1 of 19 Pratt Through (1 of 18 Open) + 1 of 4 Warren Through w/ Verticals (1 of 4 Open) + Stone Abutments + Pin Connections + Tubular Beams

Historical Features:

Phoenix Co., RR

Bridge Profile

Figure A5: Levisa Fork of Big Sandy Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**034B00010N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Through w/ vericals	
Bridge Description:	2-217 FT STEEL THRU TRUSS SPAN - BUILT 1871	

Bridge Information

Year Built:	1871
Feature Intersection:	Kentucky River N. Clays Ferry
Facility Carried:	KY-2328
District:	7
County:	034 - Fayette
Owner:	KYTC
Latitude:	37.88714322
Longitude:	-84.33841943

Historical Information

Unique Truss Factor:	2
Age Factor:	4
Unique Feature Factor:	4
Historical Feature Factor:	8
Historical Importance Factor:	256

Unique Features:

Pin, Stone, Decorative Portals, H - Column

Special Comments:

1 of 4 Warren Through w/ Verticals (1 of 4 Open) + Second Oldest Truss in KY + Stone Abutments

Historical Features:

Louisville Bridge and Iron, Wm. Gunn inventor of H column

Bridge Profile

Figure A6: Kentucky River N. Clays Ferry Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**118C00027N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Deck + Warren Deck Truss	
Bridge Description:	0	

Bridge Information

Year Built:	1917
Feature Intersection:	Clear Creek
Facility Carried:	Old Mountain Ash Pike
District:	11
County:	118 - Whitley
Owner:	County
Latitude:	0
Longitude:	0

Historical Information

Unique Truss Factor:	6
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	144

Unique Features:

Stone, Pin

Special Comments:

1 of 2 Pratt Deck Truss (1 of 1 Closed) (063C00036N is the other and is open) + 1 of 12 Warren Deck Truss (1 of 1 Closed) + Pin Connections (Closed since 1980s)

Historical Features:

converted RR

Bridge Profile

Figure A7: Clear Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**090C00024N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Camelback Through	
Bridge Description:	1-166.5 FT AND 1-161.1 FT STEEL THRU TRUSS/TIMBER DECK	

Bridge Information

Year Built:	1904
Feature Intersection:	Beech Fork @ Washington Cl.
Facility Carried:	Fredericktown Road
District:	4
County:	090 - Nelson
Owner:	County
Latitude:	37.75943272
Longitude:	-85.34975094

Historical Information

Unique Truss Factor:	2
Age Factor:	4
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	128

Unique Features:

Pin

Special Comments:

1 of 4 Camelback Through Truss (1 of 1 Closed) + Fredrickstown Historic District

Historical Features:

Historic District, Champion Co.

Bridge Profile

Figure A8: Beech Fork @ Washington Cl. Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**076C00015N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Through w/ vericals	
Bridge Description:	98.5 STL THRU TRUSS	

Bridge Information

Year Built:	1900
Feature Intersection:	Muddy Creek
Facility Carried:	Meadowbrook Road
District:	7
County:	076 - Madison
Owner:	County
Latitude:	37.7106181
Longitude:	-84.16058335

Historical Information

Unique Truss Factor:	2
Age Factor:	4
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	96

Unique Features:

Stone, Pin

Special Comments:

1 of 4 Warren Through w/ Verticals Truss (1 of 4 Open) + Pin Connections

Historical Features:

RR

Bridge Profile

Figure A9: Muddy Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**063B00004N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pennsylvania Petit Through	
Bridge Description:	0	

Bridge Information

Year Built:	1922
Feature Intersection:	Rockcastle River
Facility Carried:	KY 490
District:	11
County:	063 - Laurel
Owner:	KYTC
Latitude:	37.3008333
Longitude:	-84.16

Historical Information

Unique Truss Factor:	4
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	64

Unique Features:

Stone

Special Comments:

1 of 3 Pennsylvania Petit Through (1 of 3 Open)

Historical Features:

Louisville Bridge and Iron Co.

Bridge Profile

Figure A10: Rockcastle River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **064B00049N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Parker Pony

Bridge Description: 2-30 FT PTRSTR CONC SPANS & 1-100 FT PONY TRUSS SPANS-0

Bridge Information

Year Built:	1924
Feature Intersection:	Georges Creek
Facility Carried:	KY-581
District:	12
County:	064 - Lawrence
Owner:	KYTC
Latitude:	37.97456362
Longitude:	-82.66616298

Historical Information

Unique Truss Factor:	8
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	64

Unique Features:

0

Special Comments:

Only Parker Pony Truss (1 of 1 Open)

Historical Features:

Vincennes Co.

Bridge Profile

Figure A11: Georges Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**061C00035N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Parker Through	
Bridge Description:	45-49 2 SPAN WF BEAM APPR. 210 8 BAY CAMEL BACK TRUSS	

Bridge Information

Year Built:	1905
Feature Intersection:	Cumberland River
Facility Carried:	Bingham Road
District:	11
County:	061 - Knox
Owner:	County
Latitude:	36.82270305
Longitude:	-83.84004008

Historical Information

Unique Truss Factor:	1
Age Factor:	4
Unique Feature Factor:	4
Historical Feature Factor:	4
Historical Importance Factor:	64

Unique Features:

Stone, Pin, Decorative Portals

Special Comments:

1 of 9 Parker Through Truss (1 of 9 Open) + Stone Abutments

Historical Features:

RR (Cumberland River RR)

Bridge Profile

Figure A12: Cumberland River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**022C00051N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	160.5 STEEL TRUSS SPAN	WAS RR BRIDGE

Bridge Information

Year Built:	1873
Feature Intersection:	Little Sandy River
Facility Carried:	Old Fultz Road
District:	9
County:	022 - Carter
Owner:	County
Latitude:	38.28939438
Longitude:	-82.96482086

Historical Information

Unique Truss Factor:	1
Age Factor:	4
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	64

Unique Features:

Pin

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Very Old

Historical Features:

RR (EKRR), group of three bridges

Bridge Profile

Figure A13: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**022C00052N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	157 STEEL THRU TRUSS	WAS RR BRIDGE

Bridge Information

Year Built:	1873
Feature Intersection:	Little Sandy River
Facility Carried:	Old Fultz Road
District:	9
County:	022 - Carter
Owner:	County
Latitude:	38.28950119
Longitude:	-82.95751953

Historical Information

Unique Truss Factor:	1
Age Factor:	4
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	64

Unique Features:

Pin

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Very Old

Historical Features:

RR (EKRR), group of three bridges

Bridge Profile

Figure A14: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**022C00053N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	157 FT STEEL THRU TRUSS WAS RR BRIDGE	

Bridge Information

Year Built:	1873
Feature Intersection:	Little Sandy River
Facility Carried:	Old Fultz Road
District:	9
County:	022 - Carter
Owner:	County
Latitude:	38.28953552
Longitude:	-82.95217133

Historical Information

Unique Truss Factor:	1
Age Factor:	4
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	64

Unique Features:

Pin

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Very Old

Historical Features:

RR (EKRR), group of three bridges

Bridge Profile

Figure A15: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**062C00020N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Pony w/ Verticals	
Bridge Description:	0	

Bridge Information		Historical Information	
Year Built:	1930	**Unique Truss Factor:**	4
Feature Intersection:	Knob Creek	**Age Factor:**	2
Facility Carried:	Blanton Rd	**Unique Feature Factor:**	2
District:	4	**Historical Feature Factor:**	4
County:	062 - Larue	**Historical Importance Factor:**	64
Owner:	County		
Latitude:	37.6363888	**Unique Features:**	
Longitude:	-85.599166	Stone	
Special Comments:		**Historical Features:**	
1 of 4 Warren Pony w/ Verticals (1 of 4 Open)		Champion Co.	

Bridge Profile

Figure A16: Knob Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**110C00062N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Half-Hip Pony	
Bridge Description:	0	

Bridge Information

Year Built:	1890
Feature Intersection:	Red River
Facility Carried:	Frederick Road
District:	3
County:	110 - Todd
Owner:	County
Latitude:	36° 42' 45"
Longitude:	-87° 18' 35"

Historical Information

Unique Truss Factor:	1
Age Factor:	4
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	48

Unique Features:

Cables for Bottom Chord and Diagonals!

Special Comments:

1 of 5 Pratt Half-Hip Pony Truss (1 of 4 Open) + Wooden Deck and Cables as Diagonals and Bottom Chord!!!

Historical Features:

Massillon Bridge Co. Ohio

Bridge Profile

Figure A17: Red River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**048B00051N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Baltimore Through	
Bridge Description:	0	

Bridge Information

Year Built:	1924
Feature Intersection:	Clover Fork
Facility Carried:	KY-72
District:	11
County:	048 - Harlan
Owner:	KYTC
Latitude:	0
Longitude:	0

Historical Information

Unique Truss Factor:	6
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	48

Unique Features:

0

Special Comments:

1 of 2 Baltimore Through Truss (1 of 2 Closed)

Historical Features:

Vincennes Co.

Bridge Profile

Figure A18: Clover Fork Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**063C00036N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Deck	
Bridge Description:	1-84DBL CHORD STEELDECK TRUSS & 2-14.5 RC SLAB SPANS	

Bridge Information

Year Built:	1925
Feature Intersection:	Laurel River
Facility Carried:	Old Highway 25
District:	11
County:	063 - Laurel
Owner:	County
Latitude:	37.0233353
Longitude:	-84.06745741

Historical Information

Unique Truss Factor:	6
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	1
Historical Importance Factor:	36

Unique Features:

Stone, Pin

Special Comments:

1 of 2 Pratt Deck Truss (1 of 1 Open) + Partial Decorative Railing

Historical Features:

0

Bridge Profile

Figure A19: Laurel River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**014B00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pennsylvania Petit Through	
Bridge Description:	1-250 FT STEEL THROUGH SPAN	

Bridge Information

Year Built:	1922
Feature Intersection:	Clover Creek
Facility Carried:	US-60X
District:	4
County:	014 - Breckinridge
Owner:	KYTC
Latitude:	37.83729346
Longitude:	-86.6303248

Historical Information

Unique Truss Factor:	4
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	32

Unique Features:

0

Special Comments:

1 of 3 Pennsylvania Petit Through Trusses (1 of 3 Open)
+ Only Remaining Bridge by Pan Am Bridge Co

Historical Features:

Pan Am Co.

Bridge Profile

Figure A20: Clover Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**070B00017N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Through with Verticals	
Bridge Description:	38,8-101PG,1-500 THRU TRUSS,4-101PG, 45 BM	

Bridge Information

Year Built:	1931
Feature Intersection:	Cumberland River
Facility Carried:	US-60
District:	1
County:	070 - Livingston
Owner:	KYTC
Latitude:	37.1490968
Longitude:	-88.39932515

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	32

Unique Features:

0

Special Comments:

1 of 9 Polyganal Warren Through with Verticals (1 of 9 Open) + Polygonal Top Chord

Historical Features:

Ralph Modjeski designer, Nashville Bridge Co.

Bridge Profile

Figure A21: Cumberland River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**047C00030N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1918
Feature Intersection:	Nolin River
Facility Carried:	CR 1289
District:	4
County:	047 - Hardin
Owner:	County
Latitude:	37.555277
Longitude:	-86.03166

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	32

Unique Features:

Pin

Special Comments:

1 of 19 Pratt Through (1 of 18 Open)

Historical Features:

Champion Co., Historic District

Bridge Profile

Figure A22: Nolin River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**056B00136N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Contunous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1929
Feature Intersection:	Ohio River
Facility Carried:	US 31
District:	5
County:	056 - Jefferson
Owner:	KYTC
Latitude:	38.263611
Longitude:	-85.751666

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	8
Historical Importance Factor:	32

Unique Features:

Stone

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open) + Cantilever

Historical Features:

Ralph Modjeski designer, American Bridge Co.

Bridge Profile

Figure A23: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**078B00023N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Camelback Through	
Bridge Description:	1-150 FT STEEL THRU TRUSS SPAN	

Bridge Information

Year Built:	1923
Feature Intersection:	Rolling Fork
Facility Carried:	KY-289
District:	4
County:	078 - Marion
Owner:	KYTC
Latitude:	37.49745264
Longitude:	-85.3239209

Historical Information

Unique Truss Factor:	2
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	32

Unique Features:

Stone

Special Comments:

1 of 4 Camelback Through Truss (1 of 3 Open) + 1 of 2 Built by Brookville + Stone Abutments

Historical Features:

Brookville Bridge Co.

Bridge Profile

Figure A24: Rolling Fork Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**106C00047N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Bailey	
Bridge Description:	1 (91') DOUBLE-SINGLE BAILEY BRIDGE SPAN	

Bridge Information

Year Built:	1982
Feature Intersection:	Clear Creek
Facility Carried:	Jail Hill Road
District:	5
County:	106 - Shelby
Owner:	County
Latitude:	38.21249608
Longitude:	-85.21505012

Historical Information

Unique Truss Factor:	4
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	32

Unique Features:

Stone

Special Comments:

1 of 3 Bailey Bridges (1 of 1 Closed) + Dry Stone Abutments (Built 1982?)

Historical Features:

Thomas Storey Engineers (England)

Bridge Profile

Figure A25: Celar Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**011B00005N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Baltimore Through	
Bridge Description:	1-240 FT & 2-150 FT STEEL THRU TRUSS SPANS	

Bridge Information

Year Built:	1924
Feature Intersection:	Dix River - Herrington Lake
Facility Carried:	KY-3042
District:	7
County:	011 - Boyle
Owner:	KYTC
Latitude:	37.67112345
Longitude:	-84.69019353

Historical Information

Unique Truss Factor:	6
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	24

Unique Features:

Decorative Concrete Rail

Special Comments:

1 of 2 Baltimore Through Truss (1 of 2 Closed)

Historical Features:

0

Bridge Profile

Figure A26: Dix River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**071C00023N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	1-90 FT SPAN STEEL THRU TRUSS -- B2A	

Bridge Information

Year Built:	1925
Feature Intersection:	Red River
Facility Carried:	Logan Mill Road
District:	3
County:	071 - Logan
Owner:	County
Latitude:	36.67829555
Longitude:	-86.93201621

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	24

Unique Features:

Pin, Stone

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Pin Connectors + Stone Abutments + Last Truss in Logan Co.

Historical Features:

Champion

Bridge Profile

Figure A27: Red River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**022B00074N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1913
Feature Intersection:	Little Sandy River
Facility Carried:	KY 773
District:	9
County:	022 - Carter
Owner:	KYTC
Latitude:	38.301666
Longitude:	-82.949166

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	24

Unique Features:

Pin, Stone

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open)

Historical Features:

RR

Bridge Profile

Figure A28: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**022B00075N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1913
Feature Intersection:	Little Sandy River
Facility Carried:	KY 773
District:	9
County:	022 - Carter
Owner:	KYTC
Latitude:	38.2997222
Longitude:	-82.9475

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	24

Unique Features:

Pin, Stone

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open)

Historical Features:

RR

Bridge Profile

Figure A29: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**003B00003N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	Kentucky River
Facility Carried:	US 62
District:	7
County:	003 - Anderson
Owner:	KYTC
Latitude:	38.0408333
Longitude:	-84.84666

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	4
Historical Importance Factor:	24

Unique Features:

S-Curve, Decorative Rail

Special Comments:

1 of 12 Warren Deck Trusses (1 of 11 Open)

Historical Features:

Historic District

Bridge Profile

Figure A30: Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**120C00006N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	72 SPAN PONY TRUSS	

Bridge Information

Year Built:	1930
Feature Intersection:	South Elkhorn Creek
Facility Carried:	Weisenberger Mill
District:	7
County:	120 - Woodford
Owner:	County
Latitude:	38.128105
Longitude:	-84.63687995

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	16

Unique Features:

Stone

Special Comments:

1 of 10 Pratt Pony Truss (1 of 9 Open)

Historical Features:

Historic District

Bridge Profile

Figure A31: South Elkhorn Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**081C00022N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	118 SPAN STEEL THRU TRUSS	

Bridge Information

Year Built:	1918
Feature Intersection:	N. Fork Licking River
Facility Carried:	Davis Lane
District:	9
County:	081 - Mason
Owner:	County
Latitude:	38.53042916
Longitude:	-83.64743303

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	16

Unique Features:

Stone

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Stone Abutments

Historical Features:

Toledo Co.

Bridge Profile

Figure A32: North Fork Licking River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **036B00040N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Polyganal Warren Through with Verticals

Bridge Description: 4-72.5 FT GIRDER SPANS, 1-200 FT THRU TRUSS & 3-75 FT G

Bridge Information

Year Built:	1920
Feature Intersection:	Levisa Fork
Facility Carried:	KY-2557
District:	12
County:	036 - Floyd
Owner:	KYTC
Latitude:	37.55765
Longitude:	-82.63359

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	8
Historical Importance Factor:	16

Unique Features:

0

Special Comments:

1 of 9 Polygonal Warren Through (1 of 9 Open)

Historical Features:

American Bridge Co., RR

Bridge Profile

Figure A33: Levisa Fork Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**084B00005N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Baltimore Deck	
Bridge Description:	0	

Bridge Information

Year Built:	1924
Feature Intersection:	Herrington Lake
Facility Carried:	KY 152
District:	7
County:	084 - Mercer
Owner:	KYTC
Latitude:	37.746388
Longitude:	-84.703611

Historical Information

Unique Truss Factor:	8
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	16

Unique Features:

0

Special Comments:

1 of 1 Baltimore Deck Truss (1 of 1 Open) + Only Cantilever

Historical Features:

0

Bridge Profile

Figure A34: Herrington Lake Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**034C00010N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polygonal Warren Pony w/ Verticals	
Bridge Description:	2-SPAN 122 FT (80'-42') STEEL PONY TRUSS (WARREN-B2B)	

Bridge Information

Year Built:	1937
Feature Intersection:	Boone Creek
Facility Carried:	Grimes Mill Road
District:	7
County:	034 - Fayette
Owner:	County
Latitude:	37.91757385
Longitude:	-84.34120783

Historical Information

Unique Truss Factor:	4
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	16

Unique Features:

0

Special Comments:

1 of 3 Polygonal Warren Pony w/ Verticals Truss (1 of 3 Open) + Boone Creek Historical District

Historical Features:

Historic District

Bridge Profile

Figure A35: Boone Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**081C00018N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polygonal Warren Pony w/ Verticals	
Bridge Description:	0	

Bridge Information

Year Built:	1935
Feature Intersection:	Licking River
Facility Carried:	Dixon Pike
District:	9
County:	081 - Mason
Owner:	County
Latitude:	38.54466496
Longitude:	-83.67041541

Historical Information

Unique Truss Factor:	4
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	16

Unique Features:

Stone

Special Comments:

1 of 3 Polygonal Warren Pony Truss (1 of 3 Open) + Stone Abutments

Historical Features:

0

Bridge Profile

Figure A36: Licking River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**117B00043N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Pony w/ Verticals	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	Vaughn Ditch
Facility Carried:	KY 143
District:	2
County:	117 - Webster
Owner:	KYTC
Latitude:	37.463333
Longitude:	-87.898333

Historical Information

Unique Truss Factor:	4
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	16

Unique Features:

Decorative Rail

Special Comments:

1 of 4 Warren Pony with Verticals (1 of 4 Open)

Historical Features:

0

Bridge Profile

Figure A37: Vaughn Ditch Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**007C00072N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Through w/ vericals	
Bridge Description:	0	

Bridge Information

Year Built:	1910
Feature Intersection:	Yellow Creek
Facility Carried:	CR 2222, 17th St
District:	11
County:	007 - Bell
Owner:	County
Latitude:	36.61111
Longitude:	-83.7108333

Historical Information

Unique Truss Factor:	2
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	1
Historical Importance Factor:	12

Unique Features:

Pin, Stone

Special Comments:

1 of 4 Warren Through with Verticals Truss (1 of 4 Open)

Historical Features:

0

Bridge Profile

Figure A38: Yellow Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**021B00043N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through + Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1948
Feature Intersection:	Kentucky River
Facility Carried:	KY 36/US 42
District:	6
County:	021 - Carroll
Owner:	KYTC
Latitude:	38.68027778
Longitude:	-85.18777778

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

Decorative Concrete Piers

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open) + 1 of 19 Pratt Through (1 of 18 Open)

Historical Features:

Historic District

Bridge Profile

Figure A39: Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**117B00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	1-80 FT S. PONY TRUSS SPAN - AL. DECK W/ASPHALT OVERLAY	

Bridge Information

Year Built:	1922
Feature Intersection:	Crab Orchard Creek
Facility Carried:	KY 270
District:	2
County:	117 - Webster
Owner:	KYTC
Latitude:	37.46217821
Longitude:	-87.77953022

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 10 Pratt Pony (1 of 9 Open) + Only One Left Built by M&P Company

Historical Features:

M&P Co.

Bridge Profile

Figure A40: Crab Orchard Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **099B00029N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Pratt Through

Bridge Description: 2-126 STEEL THRU TRUSS SPANS

Bridge Information

Year Built:	1935
Feature Intersection:	Red River
Facility Carried:	KY 77
District:	10
County:	099 - Powell
Owner:	KYTC
Latitude:	37.83332012
Longitude:	-83.6600607

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open)

Historical Features:

Red River Gorge

Bridge Profile

Figure A41: Red River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**075B00018N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polygonal Warren Through w/ Verticals + Warren Deck	
Bridge Description:	3-150DECK TRUS,1-320THRY TRUSS,10-56I-BMS K	

Bridge Information

Year Built:	1939
Feature Intersection:	Green River & Rough River
Facility Carried:	US \431
District:	2
County:	075 - McLean
Owner:	KYTC
Latitude:	37.48423366
Longitude:	-87.13476579

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

Crosses Two Rivers and Two Counties

Special Comments:

1 of 9 Polygonal Warren Through w/ Verticals Truss (1 of 9 Open) + 1 of 12 Warren Deck Trusses (1 of 11 Open) +uilt by Public Works Administration

Historical Features:

WPA

Bridge Profile

Figure A42: Green River and Rough River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**046C00028N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Half Hip Pony	
Bridge Description:	0	

Bridge Information

Year Built:	1920
Feature Intersection:	Blackford Creek
Facility Carried:	CR 1324
District:	2
County:	046 - Hancock
Owner:	County
Latitude:	37.905555
Longitude:	-86.922777

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 5 Pratt Half Hip Pony (1 of 4 Open)

Historical Features:

Champion Co.

Bridge Profile

Figure A43: Blackford Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**004B00021N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1937
Feature Intersection:	Ohio River
Facility Carried:	US 51
District:	1
County:	004 - Ballard
Owner:	KYTC
Latitude:	36.9947222
Longitude:	-89.1447222

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	8
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open)

Historical Features:

Ralph Modjeski designer, Mt Vernon Co.

Bridge Profile

Figure A44: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**051B00002R**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	Ohio River
Facility Carried:	US 41
District:	2
County:	051 - Henderson
Owner:	KYTC
Latitude:	37.904444
Longitude:	-87.5508333

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open)

Historical Features:

Ralph Modjeski designer

Bridge Profile

Figure A45: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**010B00040N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1930
Feature Intersection:	Ohio River
Facility Carried:	US 23
District:	9
County:	010 - Boyd
Owner:	KYTC
Latitude:	38.484166
Longitude:	-82.6413888

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open)

Historical Features:

Mt Vernon Co.

Bridge Profile

Figure A46: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**085C00005N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Camelback Through	
Bridge Description:	1 - 148.5 FT. PAINTED STEEL THRU TRUSS SPAN	

Bridge Information

Year Built:	1911
Feature Intersection:	E. Fork Little Barren River
Facility Carried:	Mosby Ridge Road
District:	3
County:	085 - Metcalfe
Owner:	County
Latitude:	36.99606392
Longitude:	-85.5235297

Historical Information

Unique Truss Factor:	2
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	8

Unique Features:

Pin

Special Comments:

1 of 4 Camelback Through (1 of 3 Open) + Pin Connectors

Historical Features:

0

Bridge Profile

Figure A47: East Fork Little Barren River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**025B00089N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Pony w/ Vertical	
Bridge Description:	80 SPAN STEEL PONY TRUSS	B2B

Bridge Information

Year Built:	1945
Feature Intersection:	Upper Howard Creek
Facility Carried:	KY 974
District:	7
County:	025 - Clark
Owner:	KYTC
Latitude:	37.89746465
Longitude:	-84.12683978

Historical Information

Unique Truss Factor:	4
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	8

Unique Features:

Stone

Special Comments:

1 of 3 Polygonal Warren Pony with Verticals Truss (1 of 3 Open) + Stone Abutments

Historical Features:

0

Bridge Profile

Figure A48: Upper Howard Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**103C00054N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Camelback Through	
Bridge Description:	0	

Bridge Information

Year Built:	1921
Feature Intersection:	Bluestone @ Triplett Creek
Facility Carried:	CR 1243
District:	9
County:	103 - Rowan
Owner:	County
Latitude:	38.14833
Longitude:	-83.515833

Historical Information

Unique Truss Factor:	2
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	8

Unique Features:

Stone

Special Comments:

1 of 4 Camelback Through Truss (1 of 3 Open)

Historical Features:

0

Bridge Profile

Figure A49: Bluestone @ Triplett Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**100C00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Pony w/ Verticals	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	Buck Creek
Facility Carried:	KY 1675 Stab Rd
District:	8
County:	100 - Pulaski
Owner:	County
Latitude:	37.1513888
Longitude:	-84.438333

Historical Information

Unique Truss Factor:	4
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	8

Unique Features:

0

Special Comments:

1 of 4 Warren Pony with Verticals (1 of 4 Open)

Historical Features:

0

Bridge Profile

Figure A50: Buck Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**115C00005N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	1-81.8 FT SPAN STEEL PONY TRUSS/W STEEL GRID DECK	

Bridge Information

Year Built:	1920
Feature Intersection:	Sulphur Creek
Facility Carried:	Sulphur Lick Road
District:	4
County:	115 - Washington
Owner:	County
Latitude:	37.88778327
Longitude:	-85.0937785

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	1
Historical Importance Factor:	6

Unique Features:

Stone, Pin

Special Comments:

1 of 10 Pratt Pony Trusses (1 of 9 Open) + Only Truss in Washington Co. + Dry Stone Abutment

Historical Features:

0

Bridge Profile

Figure A51: Sulphur Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**091C00024N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1917
Feature Intersection:	Licking River
Facility Carried:	Old US 68
District:	9
County:	091 - Nicholas
Owner:	County
Latitude:	0
Longitude:	0

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	3
Historical Feature Factor:	1
Historical Importance Factor:	6

Unique Features:

Stone, Pin

Special Comments:

1 of 19 Pratt Through Truss (1 of 1 Closed) + Stone Abutments

Historical Features:

0

Bridge Profile

Figure A52: Licking River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **118C00001N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Pratt Half-Hip Pony + Pratt Pony

Bridge Description: 46-78 2 SIMPLE SPAN STEEL THRU TRUSSES

Bridge Information

Year Built:	1935
Feature Intersection:	Watts Creek
Facility Carried:	Watts Creek Road
District:	11
County:	118 - Whitley
Owner:	County
Latitude:	36.76290894
Longitude:	-84.15660095

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

Pin

Special Comments:

1 of 10 Pratt Pony (1 of 1 Closed) 1 of 5 Pratt Half-Hip Pony (1 of 1 Closed) + Pin Connections

Historical Features:

0

Bridge Profile

Figure A53: Watts Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**079B00040N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	1-110 FT STEEL TRUSS SPANS & 16-30 FT R.C.D.G. SPANS	

Bridge Information

Year Built:	1933
Feature Intersection:	East Fork Clarks River
Facility Carried:	KY 402
District:	1
County:	079 - Marshall
Owner:	KYTC
Latitude:	36.76859091
Longitude:	-88.27815823

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

Decorative Concrete Rail

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open) + Approach Arrangement + Decorative Railing

Historical Features:

0

Bridge Profile

Figure A54: East Fork Clarks River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**067B00037N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	2-100 FT THRU TRUSS SPANS	

Bridge Information

Year Built:	1930
Feature Intersection:	N. Fork Kentucky River
Facility Carried:	KY 588
District:	12
County:	067 - Letcher
Owner:	KYTC
Latitude:	37.14030921
Longitude:	-82.98017133

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

Stone

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open)

Historical Features:

0

Bridge Profile

Figure A55: North Folk Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**092B00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through + Warren Deck	
Bridge Description:	6-50RCDGS,7-117DK TRUS (200-299-200)CONT THRU-TRS	

Bridge Information

Year Built:	1938
Feature Intersection:	Green River
Facility Carried:	US 62
District:	2
County:	092 - Ohio
Owner:	KYTC
Latitude:	37.33501845
Longitude:	-87.0031286

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through Truss (1 of 11 Open) + 1 of 12 Warren Deck Truss (1 of 11 Open) + Built by Public Works Administration

Historical Features:

WPA

Bridge Profile

Figure A56: Green River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**096B00001N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Parker Through	
Bridge Description:	2-84 FT STEEL DECK GIRDER & 3-150.5 FT STEEL THRU TRUSS	

Bridge Information

Year Built:	1936
Feature Intersection:	S. Fork Licking River @ Butler
Facility Carried:	KY 177
District:	6
County:	096 - Pendleton
Owner:	KYTC
Latitude:	38.78983438
Longitude:	-84.36732369

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 9 Parker Through Trusses (1 of 9 Open)

Historical Features:

Historic District

Bridge Profile

Figure A57: South Fork Licking River @ Butler Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**098B00001N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Through with Verticals	
Bridge Description:	2-45.75 FT STEEL I BEAM & 1-208.50 FT STEEL TRUSS SPAN	

Bridge Information

Year Built:	1951
Feature Intersection:	Tug Fork of Big Sandy River
Facility Carried:	Harvey Street Bridge
District:	12
County:	098 - Pike
Owner:	KYTC
Latitude:	37.67305495
Longitude:	-82.28005284

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 9 Polygonal Warren Through with Verticals Truss (1 of 9 Open)

Historical Features:

Historic District

Bridge Profile

Figure A58: Tug Fork of Big Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**033B00016N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Through with Verticals	
Bridge Description:	0	

Bridge Information		**Historical Information**	
Year Built:	1940	**Unique Truss Factor:**	1
Feature Intersection:	Kentucky River/CSX RR	**Age Factor:**	1
Facility Carried:	KY 52	**Unique Feature Factor:**	1
District:	10	**Historical Feature Factor:**	4
County:	033 - Estill	**Historical Importance Factor:**	4
Owner:	KYTC		
Latitude:	37.698333	**Unique Features:**	
Longitude:	-83.975833	0	
Special Comments:		**Historical Features:**	
1 of 9 Polygonal Warren Through with Verticals Truss (1 of 9 Open)		Historic District	

Bridge Profile

Figure A59: Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**051B00007L**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1965
Feature Intersection:	Ohio River
Facility Carried:	US 41
District:	2
County:	051 - Henderson
Owner:	KYTC
Latitude:	37.904444
Longitude:	-87.551388

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	4
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 11 Contuous Warren Through (1 of 11 Open) + Cantilever

Historical Features:

Kentucky-Indiana Bridge Co.

Bridge Profile

Figure A60: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**091B00008N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	TTI RR and Scrubgrass Creek
Facility Carried:	KY 32
District:	9
County:	091 - Nicholas
Owner:	KYTC
Latitude:	38.34222
Longitude:	-83.96305556

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

Decorative Rail

Special Comments:

1 of 10 Pratt Pony (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A61: Scrubgrass Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**030B00055N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1934
Feature Intersection:	Panther Creek
Facility Carried:	KY 81
District:	2
County:	030 - Daviess
Owner:	KYTC
Latitude:	37.69
Longitude:	-87.191111

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

Decorative Rail

Special Comments:

1 of 19 Pratt Through (1 of 18 Open)

Historical Features:

0

Bridge Profile

Figure A62: Panther Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**098C00121N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Bailey	
Bridge Description:	1-40 FT SINGLE BAILEY BRIDGE SPAN (TRUSS)	

Bridge Information

Year Built:	1982
Feature Intersection:	Left Fork-Long Fork Shelby Creek
Facility Carried:	Petty Fork
District:	12
County:	098 - Pike
Owner:	County
Latitude:	37.26551914
Longitude:	-82.65451302

Historical Information

Unique Truss Factor:	4
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 3 Bailey Bridges (1 of 2 Open)

Historical Features:

0

Bridge Profile

Figure A63: Left Fork – Long Fork Shelby Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**098C00128N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Bailey	
Bridge Description:	30STL - 59DBL BAILEY -30STEEL I-BM SPAN	

Bridge Information

Year Built:	1991
Feature Intersection:	Johns Creek
Facility Carried:	Hurts Bridge
District:	12
County:	098 - Pike
Owner:	County
Latitude:	37.62370604
Longitude:	-82.55469805

Historical Information

Unique Truss Factor:	4
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	4

Unique Features:

0

Special Comments:

1 of 3 Bailey Bridges (1 of 2 Open)

Historical Features:

0

Bridge Profile

Figure A64: Johns Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**043C00024N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Pony w/ Verticals	
Bridge Description:	51.84 Foot -Single Span Pony Truss	

Bridge Information		Historical Information	
Year Built:	1950	**Unique Truss Factor:**	4
Feature Intersection:	Spring Fork	**Age Factor:**	1
Facility Carried:	Pat Tousey Road	**Unique Feature Factor:**	1
District:	4	**Historical Feature Factor:**	1
County:	043 - Grayson	**Historical Importance Factor:**	4
Owner:	County		
Latitude:	37.51516008	**Unique Features:**	
Longitude:	-86.5492427	0	
Special Comments:		**Historical Features:**	
1 of 4 Warren Pony with Verticals Truss (1 of 4 Open)		0	

Bridge Profile

Figure A65: Spring Fork Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**074B00007N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	2-100DECK TRUS&4-80-1-65 STL GIRDER-&1-50RCDC	

Bridge Information

Year Built:	1941
Feature Intersection:	S. Fork of Cumberland River
Facility Carried:	KY 92
District:	8
County:	074 - McCreary
Owner:	KYTC
Latitude:	36.72589874
Longitude:	-84.54388328

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	3
Historical Feature Factor:	1
Historical Importance Factor:	3

Unique Features:

S-Curve, Decorative Railing

Special Comments:

1 of 12 Warren Deck Trusses (1 of 11 Open) + Decorative Concrete Railing

Historical Features:

0

Bridge Profile

Figure A66: South Fork of Cumberland River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **070B00065N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Continuous Warren Through

Bridge Description: 175-350-175 FT CANTILEVER TRUSS SPANS(MAIN) WITH

Bridge Information

Year Built:	1952
Feature Intersection:	Cumberland River
Facility Carried:	US 62
District:	1
County:	070 - Livingston
Owner:	KYTC
Latitude:	37.03048603
Longitude:	-88.22596054

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

Unique Design, only Deck Truss to Polygonal Truss

Special Comments:

1 of 11 Continuous Warren Through Trusses + Unique Deck to Through Truss Configuration

Historical Features:

0

Bridge Profile

Figure A67: Cumberland River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**043C00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Half-Hip Pony	
Bridge Description:	1 - 42 PONY TRUSS	

Bridge Information

Year Built:	1950
Feature Intersection:	Branch - Rock Creek
Facility Carried:	Fragrant Road
District:	4
County:	043 - Grayson
Owner:	County
Latitude:	37.4527626
Longitude:	-86.16275024

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

Pin

Special Comments:

1 of 5 Pratt Half Hip Pony Trusses (1 of 4 Open)

Historical Features:

0

Bridge Profile

Figure A68: Branch - Rock Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**018C00105N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	1- 90 FT STEEL PONY TRUSS SPAN	

Bridge Information		Historical Information	
Year Built:	1930	**Unique Truss Factor:**	1
Feature Intersection:	E. Fork Clarks River	**Age Factor:**	2
Facility Carried:	Old Salem Road	**Unique Feature Factor:**	1
District:	1	**Historical Feature Factor:**	1
County:	018 - Calloway	**Historical Importance Factor:**	2
Owner:	County		
Latitude:	36.60618231	**Unique Features:**	
Longitude:	-88.29032071	0	
Special Comments:		**Historical Features:**	
1 of 10 Pratt Pony (1 of 9 Open)		0	

Bridge Profile

Figure A69: East Fork Clarks River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**053B00042N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	4-50 FT RCDG SPANS & 1-100 FT STEEL PONY TRUSS	

Bridge Information

Year Built:	1928
Feature Intersection:	Obion Creek
Facility Carried:	KY 58
District:	1
County:	053 - Hickman
Owner:	KYTC
Latitude:	36.72505803
Longitude:	-89.04303669

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 10 Pratt Pony (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A70: Obion Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **051B00015N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Warren Deck + Parker Through

Bridge Description: 2-50RCDG,1-136&1-160THRU-TRUSS &4-115 STL DK TRUSSES

Bridge Information

Year Built:	1930
Feature Intersection:	Green River
Facility Carried:	US 60
District:	2
County:	051 - Henderson
Owner:	KYTC
Latitude:	37.86246665
Longitude:	-87.41136038

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 9 Parker Through (1 of 9 Open) + 1 of 12 Warren Deck Truss (1 of 11 Open) + Decorative Concrete Railing

Historical Features:

0

Bridge Profile

Figure A71: Green River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **019B00003N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Parker Through

Bridge Description: 2-45 FT R.C.D.G. & 1-147 FT STEEL THRU TRUSS SPANS-0 DE

Bridge Information

Year Built:	1946
Feature Intersection:	Twelve Mile Creek
Facility Carried:	KY 8
District:	6
County:	019 - Campbell
Owner:	KYTC
Latitude:	38.96936392
Longitude:	-84.30217984

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

Decorative Concrete Rail

Special Comments:

1 of 9 Parker Through Truss (1 of 9 Open) + Decorative Concrete Railing

Historical Features:

0

Bridge Profile

Figure A72: Twelve Mile Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **094B00006N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Parker Through

Bridge Description: 3-35 FT R.C.D.G. & 1-147 FT STEEL THRU TRUSS SPANS

Bridge Information

Year Built:	1942
Feature Intersection:	Severn Creek
Facility Carried:	KY 355
District:	6
County:	094 - Owen
Owner:	KYTC
Latitude:	38.46536529
Longitude:	-84.92287966

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

Decorative Concrete Rail

Special Comments:

1 of 9 Parker Through Truss (1 of 9 Open) + Decorative Concrete Railing

Historical Features:

0

Bridge Profile

Figure A73: Severn Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**032C00032N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Parker Through	
Bridge Description:	(1) 25' RCDG AND (1) 184.5' STEEL THRU TRUSS	

Bridge Information

Year Built:	1930
Feature Intersection:	Over Little Sandy
Facility Carried:	CR 1206
District:	9
County:	032 - Elliott
Owner:	County
Latitude:	38.11903
Longitude:	-83.10501099

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 9 Parker Through Truss (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A74: Over Little Sandy Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**013B00012N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	2-100 STEEL PONY TRUSS SPANS	

Bridge Information

Year Built:	1929
Feature Intersection:	Quicksand Creek
Facility Carried:	KY 1812
District:	10
County:	013 - Breathitt
Owner:	KYTC
Latitude:	37.53491002
Longitude:	-83.34903826

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 10 Pratt Pony Truss (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A75: Quicksand Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **097C00005N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Pratt Pony

Bridge Description: 2 - 100 SIMPLE SPAN STEEL THRU TRUSSES (PONY)

Bridge Information

Year Built:	1926
Feature Intersection:	N. Fork Kentucky River
Facility Carried:	Kenmont Road
District:	10
County:	097 - Perry
Owner:	County
Latitude:	37.20645818
Longitude:	-83.13172438

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 10 Pratt Pony Truss (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A76: North Fork Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**118B00022N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Parker Through	
Bridge Description:	0	

Bridge Information		Historical Information	
Year Built:	1932	**Unique Truss Factor:**	1
Feature Intersection:	Jellico Creek	**Age Factor:**	2
Facility Carried:	KY 92	**Unique Feature Factor:**	1
District:	11	**Historical Feature Factor:**	1
County:	118 - Whitley	**Historical Importance Factor:**	2
Owner:	County		
Latitude:	36.68222	**Unique Features:**	
Longitude:	-84.25555	0	
Special Comments:		**Historical Features:**	
1 of 9 Parker Through Truss (1 of 9 Open)		0	

Bridge Profile

Figure A77: Jellico Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**003C00050N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Half-Hip Pony	
Bridge Description:	0	

Bridge Information

Year Built:	1930
Feature Intersection:	East Prong Crooked Creek
Facility Carried:	CR 1305 Hyatt Rd
District:	7
County:	003 - Anderson
Owner:	County
Latitude:	38.0286111
Longitude:	-85.0786111

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 5 Pratt Half Hip Pony (1 of 4 Open)

Historical Features:

0

Bridge Profile

Figure A78: East Prong Crooked Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**092C00133N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Pony	
Bridge Description:	0	

Bridge Information

Year Built:	1929
Feature Intersection:	N. Fork Panther Creek
Facility Carried:	Quarterhorse Ln.
District:	2
County:	092 - Ohio
Owner:	County
Latitude:	37.7175
Longitude:	-86.81555

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 10 Pratt Pony (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A79: North Fork Panther Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**025B00021N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through + Parker Through	
Bridge Description:	0	

Bridge Information

Year Built:	1932
Feature Intersection:	Red River
Facility Carried:	KY 89
District:	7
County:	025 - Clark
Owner:	KYTC
Latitude:	37.8219444
Longitude:	-84.069444

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 19 Pratt Through (1 of 18 Open) + 1 of 9 Parker Through (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A80: Red River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**068B00003N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through + Parker Through	
Bridge Description:	0	

Bridge Information

Year Built:	1930
Feature Intersection:	Kinniconnick Creek
Facility Carried:	KY 8
District:	9
County:	068 - Lewis
Owner:	KYTC
Latitude:	38.606111
Longitude:	-83.1658333

Historical Information

Unique Truss Factor:	1
Age Factor:	2
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

0

Special Comments:

1 of 19 Pratt Through (1 of 18 Open) + 1 of 9 Parker Through (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A81: Kinniconnick Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**100B00029N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	0	

Bridge Information

Year Built:	1951
Feature Intersection:	Lake Cumberland
Facility Carried:	KY 80
District:	8
County:	100 - Pulaski
Owner:	KYTC
Latitude:	37.05166
Longitude:	-84.678611

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	2
Historical Feature Factor:	1
Historical Importance Factor:	2

Unique Features:

Decorative Rail

Special Comments:

1 of 12 Warren Deck (1 of 11 Open)

Historical Features:

0

Bridge Profile

Figure A82: Lake Cumberland Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**067B00038N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	0	

Bridge Information		Historical Information	
Year Built:	1940	**Unique Truss Factor:**	1
Feature Intersection:	N. Fork Kentucky River, CSX RR	**Age Factor:**	1
Facility Carried:	KY 7	**Unique Feature Factor:**	2
District:	12	**Historical Feature Factor:**	1
County:	067 - Letcher	**Historical Importance Factor:**	2
Owner:	KYTC		
Latitude:	37.136944	**Unique Features:**	
Longitude:	-83.0175	Decorative Rail	
Special Comments:		**Historical Features:**	
1 of 12 Warren Deck (1 of 11 Open)		0	

Bridge Profile

Figure A83: North Fork Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **036B00076N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Pratt Through

Bridge Description: 1-99 FT THRU TRUSS SPAN, CONC. FLOOR

Bridge Information

Year Built:	1944
Feature Intersection:	Right Fork Beaver Creek
Facility Carried:	KY 777
District:	12
County:	036 - Floyd
Owner:	KYTC
Latitude:	37.48042661
Longitude:	-82.83448603

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 19 Pratt Through Truss (1 of 18 Open)

Historical Features:

0

Bridge Profile

Figure A84: Right Fork Beaver Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **014B00016N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Polyganal Warren Through with Verticals

Bridge Description: 1-320.42 FT THROUGH TRUSS SPAN

Bridge Information

Year Built:	1950
Feature Intersection:	Sinking Creek @ Stephensport
Facility Carried:	KY 144
District:	4
County:	014 - Breckinridge
Owner:	KYTC
Latitude:	37.91397416
Longitude:	-86.52300913

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 9 Polyganal Warren Through with Verticals Truss (1 of 9 Open) + Polygonal Top Chord

Historical Features:

0

Bridge Profile

Figure A85: Sinking Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**050B00004N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	1-200 FT STEEL DECK TRUSS, 7-148 FT STEEL DECK TRUSSES	

Bridge Information

Year Built:	1938
Feature Intersection:	Green River
Facility Carried:	US 31W
District:	4
County:	050 - Hart
Owner:	KYTC
Latitude:	37.2685341
Longitude:	-85.88516488

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 12 Warren Deck Truss (1 of 11 Open)

Historical Features:

0

Bridge Profile

Figure A86: Green River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**059B00037N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Through with Verticals + Warren Deck	
Bridge Description:	8-45 FT, 1-35.25 FT, 2-32 FT RCDG SPANS; 2-126 FT STEEL	

Bridge Information

Year Built:	1936
Feature Intersection:	Licking River
Facility Carried:	4th Street
District:	6
County:	059 - Kenton
Owner:	KYTC
Latitude:	39.08803234
Longitude:	-84.50442101

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 9 Polygonal Warren Through with Verticals Truss (1 of 9 Open) + 1 of 12 Warren Deck Truss (1 of 11 Open)

Historical Features:

0

Bridge Profile

Figure A87: Licking River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID : **022B00017N** (Bridge ID format: xxxBxxxxxN)

Truss Type: Polygana Warren Through w/ Verticals

Bridge Description: 1-200 FT THRU TRUSS SPAN

Bridge Information

Year Built:	1950
Feature Intersection:	Little Sandy River
Facility Carried:	KY 1661
District:	9
County:	022 - Carter
Owner:	KYTC
Latitude:	38.28624156
Longitude:	-82.97761726

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 9 Polygonal Warren Through with Verticals Truss (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A88: Little Sandy River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**065B00016N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Polyganal Warren Through with Verticals	
Bridge Description:	466' Steel Thru Truss, 2 - WF beam app. spans	

Bridge Information

Year Built:	1968
Feature Intersection:	Kentucky River @ Heidelberg
Facility Carried:	KY 399
District:	10
County:	065 - Lee
Owner:	KYTC
Latitude:	37.55119325
Longitude:	-83.77178159

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 9 Polygonal Warren Through with Verticals Truss (1 of 9 Open)

Historical Features:

0

Bridge Profile

Figure A89: Kentucky River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**118B00012N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Pratt Through	
Bridge Description:	0	

Bridge Information

Year Built:	1937
Feature Intersection:	Cumberland River
Facility Carried:	KY 92
District:	11
County:	118 - Whitley
Owner:	KYTC
Latitude:	36.7458333
Longitude:	-84.018333

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 19 Pratt Through (1 of 18 Open)

Historical Features:

0

Bridge Profile

Figure A90: Cumberland River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**100B00032R**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck	
Bridge Description:	0	

Bridge Information

Year Built:	1950
Feature Intersection:	Pitman Creek
Facility Carried:	US 27
District:	8
County:	100 - Pulaski
Owner:	KYTC
Latitude:	37.00444
Longitude:	-84.614722

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 12 Warren Deck (1 of 11 Open)

Historical Features:

0

Bridge Profile

Figure A91: Pitman Creek Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**082B00021N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1967
Feature Intersection:	Ohio River
Facility Carried:	Brandenburg Bypass
District:	4
County:	082 - Meade
Owner:	KYTC
Latitude:	38.01666
Longitude:	-86.197222

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through Truss (1 of 11 Open) + Cantilever Baltimore

Historical Features:

0

Bridge Profile

Figure A92: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**113B00045N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Warren Deck + Contnuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1956
Feature Intersection:	Ohio River
Facility Carried:	Garfield St.
District:	2
County:	113 - Union
Owner:	KYTC
Latitude:	37.691111
Longitude:	-88.1319444

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 12 Warren Deck (1 of 11 Open) + 1 of 11 Continuous Warren Through (1 of 11 Open) + Cantilever

Historical Features:

0

Bridge Profile

Figure A93: Ohio River Bridge Summary Sheet

Historic Truss Bridge Database and Ranking Summary

Enter Bridge ID :	**030B00118N**	(Bridge ID format: xxxBxxxxxN)
Truss Type:	Continuous Warren Through	
Bridge Description:	0	

Bridge Information

Year Built:	1940
Feature Intersection:	Ohio River
Facility Carried:	KY 2262
District:	2
County:	030 - Daviess
Owner:	KYTC
Latitude:	37.780833
Longitude:	-87.1091666

Historical Information

Unique Truss Factor:	1
Age Factor:	1
Unique Feature Factor:	1
Historical Feature Factor:	1
Historical Importance Factor:	1

Unique Features:

0

Special Comments:

1 of 11 Continuous Warren Through (1 of 11 Open) + Cantilever

Historical Features:

0

Bridge Profile

Figure A94: Ohio River Bridge Summary Sheet