

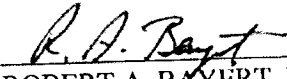


LEXINGTON - FAYETTE URBAN COUNTY GOVERNMENT
Department of Planning, Preservation & Development
Division of Engineering

Jim Gray
Mayor

Derek J. Paulsen, Ph.D.
Commissioner

TO: JIM GRAY, MAYOR
URBAN COUNTY COUNCIL

FROM: 
ROBERT A. BAYERT, P.E., URBAN COUNTY ENGINEER-Acting

DATE: NOVEMBER 17, 2015

SUBJECT: Bridge Posting Requirements -2015

Request:

We are requesting that the Mayor and Council authorize the signing of the attached "Statement of Compliance" bridge posting requirements for filing with the Kentucky Transportation Cabinet.

Why are you requesting?

Each year the Kentucky Department of Highways informs the LFUCG of our bridge weight limit posting needs for the bridges in the National Bridge Inventory in Fayette County. According to the attached memo from Mr. Kelly A. Baker, P.E., Chief District Engineer, one substandard bridge in Fayette County was found to be improperly posted. This posting has been corrected and the LFUCG is now in compliance with the "National Bridge Inspection Standards, Bridge Posting Requirement". In order to remain in compliance and be eligible to receive Federal Bridge Rehabilitation or Replacement funds, we must sign and return the attached form as soon as possible.

As of October 29, 2015 all bridge posting requirements have been met and were confirmed visually by Traffic Engineering. A copy of LFUCG Division of Traffic Engineering, posting inventory is included for review.

What is the cost in this budget year and future budget years? There is no cost to the LFUCG.

Are the funds budgeted: N/A

File Number: 1465-15

Director/Commissioner: Bayert/Paulsen

15.1000.116.Bridge Posting Requirements11-17-15.doc

Fayette County Bridge Maintenance Record
 Posted Weight Limit Signs
 Quarterly Inspection

 Oct., Nov., Dec. 2015

| Location | Weight | Date Checked |
|-------------------------------------|--------------------------------|-----------------|
| Beacon Hill | 15 Ton | <u>10/28/15</u> |
| Hume Rd. (over North Elkhorn Creek) | 15 Ton | <u>10/28/15</u> |
| Malabu Drive | 3 Ton | <u>10/28/15</u> |
| McCalls Mill Rd. (over Boggs Fork) | 15 Ton | <u>10/29/15</u> |
| Ferguson Road (over Goose Creek) | 18 ⁹ Ton | <u>10/29/15</u> |
| Hughes Ln (over Carpenters Branch) | 18 Ton | <u>10/29/15</u> |
| Centre Pwky (near TC HS) | 18 Ton | <u>10/28/15</u> |
| Frogtown Ln | 21 Ton | <u>10/20/15</u> |
| Grimes Mill | 36 Ton | <u>10/29/15</u> |

** as per KYDOT letter dated 05/08/97

 Maintenance needs: NONE

Checked by: LORY HOUSE

cc: Roger Mulvaney - Fax 425-2054
 Andrew Grunwald - Fax 258-3458
 Levi Bourget - File Copy



TRANSPORTATION CABINET

Steven L. Beshear
Governor

Department of Highways District 7 Office
763 West New Circle Rd., Building 2
Lexington, KY 40512
(859) 246-2355

Michael W. Hancock, P.E.
Secretary

July 1, 2015

The Honorable Jim Gray, Mayor
200 East Main Street
Lexington, KY 40507

Dear Mayor Gray:

Bridge inspections in Fayette County were completed in April of 2015. Enclosed are copies of our inspection reports for these structures, with recommended posting, closure, maintenance, and/or repairs, and an updated location map. Please note that the inspection reports have only been sent to Brad Frazier with LFUCG Engineering.

Critical Needs – these structures require immediate attention and/or indicate changes that have occurred since the previous report:

034C00006N Ferguson Road over Goose Creek

Scour with undermining is present at Abutment 1 causing the load rating of the structure to be reduced to 9 tons. Encasing the footing should allow for the load rating to be raised back to 18 tons.

034C00010N Grimes Mill Road over Boone Creek

Members of the truss need to be cleaned and repainted.

034C00021N Bosworth Lane over South Elkhorn Creek

Replace tensioning rods

034C00049N Devonport Drive over Wolf Run

Repair scour at the inlet and outlet end of the culvert and at the downstream right wingwall

034C00059N Enterprise Drive over Wolf Run

Repair one tensioning rod and grout the other

034C00064N Roanoke Road over Wolf Run

Repair erosion under NW wingwall and encase the outlet end of the culvert.



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Mayor Gray
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*034C00069N Masterson Station over Fork of Town Branch
Chain link fence is no longer attached to either headwall in several places. This should be corrected immediately.*

*034R00607N CSX Railroad over Old Paris Road
A 6'x2'x1' chunk of concrete at the top of the north abutment is loose and could possible fall into traffic in the near future. This should be knocked off immediately. Technically this is a railroad structure and therefore their responsibility. However, given the danger to the travelling public I believe the City will be able to take care of this problem quicker than the railroad.*

Signing Needs – these structures have improper (substandard) or missing signage:

*034C00047N Cooper Drive over Woodland Avenue (Underpass)
Minimum Vertical Clearance signs reading 13'-8" need to be installed at each approach to the underpass route (Woodland Avenue)*

*034C00010N Grimes Mill Road over Boone Creek
New posting after analysis performed on the rehabilitated structure. Posting signs will be provided to LFUCG for installation.*

Posting Status – these structures have weight limits below 40 tons:

| Bridge ID Location | Posting Recommendation | Posting Status |
|---|-----------------------------------|---------------------------|
| <i>034C00001N Hume Road over David Fork of N. Elkhorn</i> | <i>15 ton</i> | <i>Posted Correctly</i> |
| <i>034C00005N Hughes Lane over Carpenters Branch</i> | <i>18 ton</i> | <i>Posted Correctly</i> |
| <i>034C00006N Ferguson Road over Goose Creek</i> | <i>9 ton</i> | <i>Posted Correctly</i> |
| <i>034C00009N McCalls Mill Road over Boggs Fork</i> | <i>15 ton</i> | <i>Posted Correctly</i> |

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Mayor Gray

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| | | |
|--------------------------------|---------------|-------------------------|
| <i>034C00010N</i> | <i>36 ton</i> | <i>Needs Posting</i> |
| <i>Grimes Mill Road over</i> | | |
| <i>Boone Creek</i> | | |
| | | |
| <i>034C00038N</i> | <i>3 ton</i> | <i>Posted Correctly</i> |
| <i>Malibu Drive over</i> | | |
| <i>Branch of Hickman Creek</i> | | |
| | | |
| <i>034C00045N</i> | <i>15 ton</i> | <i>Posted Correctly</i> |
| <i>Beacon Hill Road over</i> | | |
| <i>Wolf Run</i> | | |

Before crossing any of these structures, the driver of any vehicle is responsible for knowing the vehicle's gross weight. This includes school buses, which have become larger and heavier. It is the responsibility of both the bus driver and the district school transportation director to ensure the bus's gross weight does not exceed the weight limit of these structures.

In order for your county to be eligible for Federal Bridge Replacement and Rehabilitation Funds for the coming year, the structures listed as recommended posted must be signed for the weight limits shown. Those listed as recommended closed must be physically barricaded. All signs and barricades must conform to the Manual on Uniform Traffic Control Devices.

Upon receipt of this letter your county has **30 days** to post or barricade the required structures and return a signed copy of the attached Compliance Form to this office. Counties that are found to be out of compliance will be made ineligible for Federal funding. If you have any questions, please contact the District Bridge Engineer, Daniel Kucela, P.E., at 859-246-2355.

Sincerely,



Kelly A. Baker, P. E.
Chief District Engineer

Enclosures

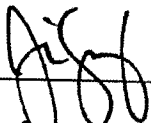
cc: Brad Frazier, P.E., LFUCG Division of Engineering
Marlene Helm, Fayette County Superintendent
Ed Quillian, RJ Corman

Statement of Compliance

National Bridge Inspection Standards

Bridge Posting Requirements

This certifies that all county maintained bridge structures in Fayette County with safe load capacities of less than 40 tons are posted in accordance with the National Bridge Inspection Standards.



Mayor, Jim Gray

23-Feb-16

Acknowledgement:

All county maintained bridge structures in Fayette County with safe load capacities of less than 40 tons are posted in accordance with the National Bridge Inspection Standards.

Date: _____

Daniel Kucela, P.E.

District Seven Bridge Engineer

Date: _____

Kelly A. Baker, P.E.

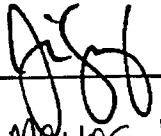
Chief District Engineer

Statement of Compliance

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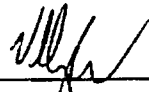
Date: 2/25/16



Daniel Kucela, P.E.

District Seven Bridge Engineer

Date: 2/21/16



Kelly A. Baker, P.E.

Chief District Engineer

