

**VILLAGE OF LOMBARD**  
**REQUEST FOR BOARD OF TRUSTEES ACTION**  
For Inclusion on Board Agenda

Resolution or Ordinance (Blue)   X   Waiver of First Requested  
  X   Recommendations of Boards, Commissions & Committees (Green)  
Other Business (Pink)

**TO:** PRESIDENT AND BOARD OF TRUSTEES

**FROM:** David A. Hulseberg, Village Manager

**DATE:** January 22, 2009 (COW) (B of T) **Date:** February 5, 2009

**TITLE:** Recommendations from the Transportation and Safety Committee

**SUBMITTED BY:** David A. Dratnol, P.E., Village Engineer *DA*

**BACKGROUND/POLICY IMPLICATIONS:**

The proposed item requests amending the Village Traffic Code by reducing the weight limit on the Hill Avenue Bridge over the East Branch of the DuPage River in accordance Illinois Department of Transportation and public safety requirements.

**FISCAL IMPACT/FUNDING SOURCE:**

None.

Review (as necessary):

Village Attorney X \_\_\_\_\_ Date \_\_\_\_\_  
Finance Director X \_\_\_\_\_ Date \_\_\_\_\_  
Village Manager X \_\_\_\_\_ Date \_\_\_\_\_

**NOTE:** All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



## Interoffice Memo

**To:** David A. Hulseberg, Village Manager  
**Through:** Carl Goldsmith, Public Works Director *Cy*  
**From:** David A. Dratnol, P.E., Village Engineer *DAE*  
**Date:** January 22, 2009  
**Subject:** Hill Avenue Bridge Posting

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Per the attached Illinois Department of Transportation correspondence of January 12, 2009, the Hill Avenue Bridge has deteriorated beyond the capacity to support the standard road vehicle weight limits, requiring either immediate repair or reduction of the current legal load carrying capacity. Emergency authorization has been enacted and signs posted to temporarily reduce the bridge weight limits to the recommended values. All school districts and emergency service agencies have been notified of this change. The Village is now on a 6-month bridge inspection schedule to comply with IDOT requirements and to continue monitoring the situation.

Since immediate repair of the bridge decking is not feasible at this time and the emergency authorization to post the recommended bridge weight limits has time constraints, staff recommends amending the Lombard Traffic Code at the February 5, 2009 Village Board Meeting, with waiver of First Read, in accordance with the attached Ordinance.

This item will be on the February 2, 2009 Transportation and Safety Committee agenda. If recommended by the committee, please present this item to the Village Board for their approval.

cc: Transportation and Safety Committee



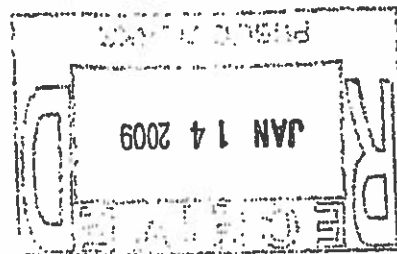
# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 12, 2009

Consultant Bridge Rating and Posting Concurrence  
Village of Lombard

Structure Number: 022-3025  
Hill Avenue over East Branch DuPage River



Mr. David A. Dratnol, P.E.  
Department of Public Works  
1051 S. Hammerschmidt Avenue  
Lombard, Illinois 60148

Dear Mr. Dratnol:

The report dated January 6, 2009 by Greg J. Hatlestad, S.E. of Civiltech Engineering, Inc., is in accordance with procedures outlined in our County Superintendents of Highways and Municipal Engineer's Letter Number 74-41, dated August 19, 1974 and is accepted as a basis for rating and posting. Based on the consultant's report and our independent rating analysis, our rating and posting recommendations are as follows:

<u>STRUCTURE NUMBER</u>	<u>GOVERNING MEMBERS</u>	<u>INVENTORY RATING</u>	<u>OPERATING RATING</u>	<u>REQUIRED POSTING</u>
022-3025	Deck Beam	HS 5.0	HS 8.4	SINGLE UNIT VEHICLE 12 TONS COMBINATIONS 3 OR 4 AXLES 14 TONS 5 OR MORE AXLES 16 TONS

The beams are in critical condition due to extensive delamination of the deck beams. Until the structure is replaced or rehabilitated, a **Special Feature Inspection** must be performed at 6-month intervals to monitor the condition of the deck beams. Any additional distress of the structure from its current condition should be reported to our office for evaluation. Particular attention should be paid to the concrete condition in the areas of delamination. Further degradation of these areas could lead to the loss of additional prestressing strands, greatly reducing the load carrying capacity of the beams, and possibly requiring bridge closure.

**Special Feature Inspections:** Included is a Special Feature Inspection (SFI) Report form (BBS SFI-1) for this structure. After each SFI has been completed, please fill in the appropriate information and submit to the IDOT District Office in Schaumburg so they can update the ISIS. Failure to perform any Special Feature Inspection may result in closure of the bridge.

Mr. David A. Dratnol, P.E.  
Page 2  
January 12, 2009

Due to the posting required on this structure, it will be removed from the Legal Load Only bridge list.

Please notify the appropriate school district and emergency service agencies of all recommendations requiring a load restriction so that they may alter any bus service or emergency access procedures that are affected by a recommended bridge posting. Special attention should be given to bridges with posting recommendations of 18 Tons or less, since these structures have the greatest potential for affecting the use by school buses and emergency vehicles. Only buses or emergency vehicles with a gross weight equal to or less than the required posting level may safely utilize a structure at any time.

The postings must be done as soon as possible to ensure the safety of the traveling public, and must be done in accordance with the *Manual on Uniform Traffic Control Devices for Streets and Highways*. These requirements are summarized in the *IDOT Structure Information and Procedure Manual*, which was revised July 1, 2007 and is available on the IDOT website, under the description for Item 70A2 (Posted Single Unit Vehicle Weight Limit). When the postings have been completed, please update the official Bridge Inspection Report (IDOT Form BBS-BIR-1 or BBS-BIR-2) in your files, with condition ratings and actual postings revised to reflect the current field status.

In addition, SUBMIT AN UPDATED "INSPECTION / APPRAISAL REPORT" (RIS-S104) TO THE IDOT DISTRICT OFFICE in Schaumburg in writing within 30 days of the receipt of this letter, with condition ratings and actual postings revised to reflect the current field status. They will then enter the actual field postings in the Illinois Structure Information System (ISIS) and verify the accuracy of the bridge status codes. We have entered the Inventory and Operating Ratings and the required postings in the ISIS.

If for some reason you are unable to take the necessary action to satisfy the posting requirements mentioned herein, you should notify our office immediately.

Any inquiries regarding this rating may be directed to Mr. Jack Elston of the Local Bridge Unit at 217/785-8748.

Very truly yours,

Ralph E. Anderson  
Engineer of Bridges and Structures



By: Carl Puzey  
Engineer of Structural Services

JAE/kkt0223025-20090112

cc- Civiltech Engineering, Inc. / Attn: Greg J. Hatlestad  
Diane M. O'Keefe, Dist. 1 / Attn: Christopher J. Holt

**KTJ**

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## MEMORANDUM

To: Frank Kalisik, Engineer, Village of Lombard

From: Tom Bayer, Village Attorney

**Via E-mail Only**

Date: January 20, 2009

Re: **Hill Avenue Bridge Weight Limits**

Per your request, attached please find the following Ordinance relative to the above-captioned matter:

### AN ORDINANCE AMENDING ARTICLE XV OF THE LOMBARD TRAFFIC CODE (ORDINANCE NO. 1186) IN RELATION TO VEHICLE WEIGHT LIMITS

Section 1 of the Ordinance corrects a typographical error in Section 10-15-3, and Section 2 of the Ordinance imposes the Hill Avenue bridge weight limitation. No revision to Schedule XIX was necessary.

If there are any questions, please feel free to call.

encl.

cc: Carl Goldsmith, Director of Public Works (w/ encl.; via e-mail)  
Dave Gorman, Assistant Director of Public Works (w/ encl.; via e-mail)  
Dave Dratnol, Village Engineer (w/ encl.; via e-mail)  
John Johnson, Technical Services Supervisor (w/ encl.; via e-mail)

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE AMENDING ARTICLE XV OF THE  
LOMBARD TRAFFIC CODE (ORDINANCE NO. 1186)  
IN RELATION TO VEHICLE WEIGHT LIMITS**

**BE IT ORDAINED** by the President and Board of Trustees of the Village of Lombard, DuPage County, Illinois, as follows:

**SECTION 1:** That Article XV, Section 10-15-3 of the Lombard Traffic Code, is hereby amended by revising the reference therein to "Schedule XXI," to read, "Schedule XIX."

**SECTION 2:** That Article XV of the Lombard Traffic Code is hereby amended to add a new Section 10-15-4 thereto, which will read in its entirety as follows:

"Section 10-15-4 Limited Load Bridges

No vehicles having a weight in excess of the following limits shall be allowed to operate on the Hill Avenue bridge over the East Branch of the DuPage River:

<u>Vehicle Type</u>	<u>Maximum Weight Allowed</u>
Single Unit Vehicle	Twelve (12) tons
Combination Vehicles with Three (3) or Four (4) Axles	Fourteen (14) tons
Combination Vehicles with Five (5) or more Axles	Sixteen (16) tons"

**SECTION 3:** That this Ordinance shall be in full force and effect from and after its passage, approval, publication in pamphlet form and the posting of the appropriate signs as provided by law.

Passed on first reading this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

First reading waived by action of the Board of Trustees this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Passed on second reading this \_\_\_\_\_ day of \_\_\_\_\_, 2009, pursuant to a roll call vote as follows:

AYES: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

APPROVED by me this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
William J. Mueller  
Village President

**ATTEST:**

\_\_\_\_\_  
Brigitte O'Brien  
Village Clerk

Published by me in pamphlet form this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Brigitte O'Brien  
Village Clerk