



Illinois Department of Transportation

To: John Fortmann Attn: Christopher Holt
From: James K. Klein / Priscilla A. Tobias
Subject: FY 2013 Rail-Highway Safety Program
Date: November 2, 2012

Attached is a listing of your District's approved FY 2013 Rail-Highway Safety Program projects. The projects were selected from application submittals as well as statewide reviews and joint reviews with the Illinois Commerce Commission (ICC).

We will be soliciting for the FY 2014 Program in the near future, and encourage you to resubmit any projects that did not make the 2013 Program, along with any new applications you may have.

Please notify the local agencies of all selected projects, and please ensure that the Central Bureau of Local Roads and Streets has been furnished with section and job numbers for the projects shown on the attached sheets as early as possible. This information is needed to prepare a request for authorization of funds.

If you have any questions, please contact Jason L. Johnson of the Bureau of Local Roads and Streets at (217) 557-1399 or Jason.Johnson@illinois.gov.

Sincerely,

Handwritten signature of James K. Klein in cursive.

James K. Klein, P.E., S.E.
Acting Engineer of Local Roads & Streets

Handwritten signature of Priscilla A. Tobias in cursive.

Priscilla A. Tobias, P.E.
State Safety Engineer

FY 2013
Local Rail/Highway Grade Crossing Projects
District 1

Route	County	RR	Agency AAR DOT #	Improvement	Total Cost \$	% Federal / Federal Cost
Telegraph Rd.	Lake	NIRC (Metra)	Deerfield 388 043S	Pedestrian FLS, Gates w/ circuitry	650,000	100% 650,000
Aptakisic Rd.	Lake	WC - Metra	Lake County 689 692X	Pedestrian FLS, Gates	250,000	100% 250,000



www.cn.ca

Southern Region

Patrick Jones
Manager Public Works

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Homewood, IL 60430

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November 27, 2012

Mr. Reid Magner
Civiltech Engineering, Inc.
450 E. Devon Avenue
Suite 300
Itasca, IL 60143

Sven Zimdahl
Civiltech Engineering, Inc.
450 E. Devon Avenue
Suite 300
Itasca, IL 60143

Dear Mr. Magner/Zimdahl,

CN Engineering has reviewed the proposed changes to the railroad crossing on Aptakisic Road and offers the following comments:

- 1) Name of the railroad at this location is Wisconsin Central Limited, not Canadian National Railway.
- 2) Crossing will need to be completely renewed with new composite crossing surface on 10' ties.
- 3) The section of the crossing on the south side will need to be governed by a license agreement between the Railroad and whoever will own the pathway.
- 4) CN opposes the pedestrian gates because their effectiveness has not been established, they are subject to frequent vandalism, and because they drop in front of persons located on the sidewalk, which may cause confusion regarding possible entrapment.
- 5) A traffic study will need to be done to determine if there will be any traffic queuing across the tracks, which may require an interconnect with the signals at Weiland/Aptakisic Road and Bond/ Aptakisic Road intersections.
- 6) Railroad signal changes will need to meet CN Standards and be approved by ICC.

If you have any questions or require additional information, please feel free to contact me at (708) 332-3557.

Sincerely,

Patrick Jones
Manager Public Works

Memorandum

Date: February 13, 2012

To: Daniel Powers, P.E.
Illinois Commerce Commission
527 East Capitol Avenue
Springfield, Illinois 62701

From: Civiltech Engineering, Inc.

Re: Weiland Road/Lake Cook Road Phase I Study
Section No. 07-00094-00-PV
Section No. 08-A5015-01-ES
Disposition of Comments

In regard to the comments received from the Illinois Commerce Commission via e-mail on September 24, 2012, we offer the following disposition:

Comment 1: Has a formal IDS been prepared for the Weiland Road at Aptakistic intersection? We will require a formal review after the following comments have been addressed.

Response 1: **An Intersection Design Study has been prepared for the Weiland Road/Aptakistic Road intersection and is included for formal review.**

Comment 2: The median design does not appear to adhere to IDOT's BDE as well as meeting width requirements for additional RR warning devices -- please incorporate revisions into IDS.

Response 2: **The median width has been modified to meet the requirements in the IDOT BLR&S manual Figure 40-1C. However, the median length cannot be achieved east of the tracks due to the storage and taper for the adjacent intersection with Bond Street. The revised design can be seen on the attached IDS.**

Comment 3: A Petition with a formal proceeding before the Commission is required for the proposed bike path (regardless of which job it's on) and as long as it is within highway ROW.

Response 3: **A petition with a formal proceeding before the Commission will occur during the Phase II design.**

Comment 4: Storage requirements for the westbound left turn lane must not include the highway-railroad grade crossing area.

Response 4: **The westbound left turn lane storage bay on Aptakistic Road at Weiland Road has been designed to provide the maximum queuing length possible without including the railroad crossing.**

Comment 5: The Aptakistic Road/Bond Street intersection must be analyzed for queuing in relation to the highway-railroad grade crossing due to increased traffic volumes that will result from the proposed project.

Response 5: **The Aptakistic Road/Bond Street intersection has been analyzed for the 2040 design year. The maximum queue length for eastbound traffic is less than the distance from the eastbound stop bar at Bond Street to the railroad crossing. See the attached capacity analysis for the Aptakistic Road/Bond Street intersection.**

Meeting Minutes

Re: Aptakisic Road and Wisconsin Central Ltd RR
Pedestrian Flashing Lights, Signals, and Gates
Site Coordination Meeting

Date: September 12, 2013

Location: Buffalo Grove, IL
DOT/AAR Number: 689692X
Milepost: 33.21

Time: 1:30 P.M.

Attending:

NAME/AFFILIATION	TEL	E-MAIL
(See Attendance Roster Attached)	---	---

Summary Items:

Representatives from the Canadian National (CN) Railway on behalf of the Wisconsin Central Ltd, Lake County Division of Transportation (LCDOT), Village of Buffalo Grove, and Civiltech Engineering met at the site to discuss the sidewalk construction project, ultimate Weiland Road project, the Illinois Commerce Commission (ICC) Petition, and the related Railroad Agreement and Permit.

The following is a summary of items discussed during the site meeting:

1. IDOT, in conjunction with the ICC, has awarded \$250,000 from their FY-2013 Rail-Highway Safety Program for the construction of flashing lights, signals, and pedestrian gates at this crossing location.
2. The CN Railway agreed that the sidewalk construction will be a completely separate petition/filing and engineering review/submittal from the ultimate Weiland Road improvements.
3. The CN Railway opposes the pedestrian gates because their effectiveness has not been established, they are subject to frequent vandalism, and because they may drop in front of persons located on the sidewalk, which may cause confusion regarding possible entrapment. However, it is anticipated that the CN will not object to the construction of the sidewalk and overall grade crossing improvements.
4. The CN will initiate the development of an Agreement for the planned improvements at this crossing location. It is anticipated that the Agreement will be between three parties to include the CN, LCDOT, and Village. The agreement will identify the terms of the work related to the engineering, construction, and subsequent maintenance of the improvements.
5. The CN agreed to review the construction plans and the draft ICC petition. Any additions, revisions, or suggestions will be returned prior to filing the ICC Petition. The CN agreed to provide their draft agreement with supporting engineering and construction costs. The draft agreement will be included within the County's filing of the ICC petition.

By: Reid T. Magner

Date: September 12, 2013

