



At the Heart of Community

VILLAGE MANAGER'S OFFICE

70 E Main Street
Lake Zurich, Illinois 60047

(847) 438-5141
LakeZurich.org

AGENDA ITEM

6E

MEMORANDUM

Date: August 12, 2020
To: Ray Keller, Village Manager *PK*
From: Kyle Kordell, Assistant to the Village Manager
Subject: **EJ & E Railroad Quiet Zone**

Issue: The existing Quiet Zones along the EJ & E corridor from Elgin to North Chicago need to be recertified with the Federal Railroad Administration (FRA), including Lake Zurich's Quiet Zone. Consistent with the original Quiet Zones created in 2008, 12 communities along the rail line will finance the required engineering work via an equally shared cost of \$3,638 to Patrick Engineering. This agenda item is intended to formalize Lake Zurich's commitment to this project in coordination with our regional partners.

Analysis: The Village of Vernon Hills is the assigned administrator for the three Quiet Zones along the EJ & E corridor. These Quiet Zones are required to be recertified and any deficiencies corrected as part of the federal process with the FRA. When the Quiet Zones were created in 2008, Lake Zurich partnered with Mettawa, Barrington Hills, North Chicago, Hoffman Estates, Hawthorn Woods, Barrington, Green Oaks, Bartlett, Deer Park, Mundelein, Vernon Hills, and Lake County DOT. After a meeting on August 12, 2020, these communities have expressed their interest in continuing to participate in renewal.

Consistent with the original Quiet Zone creation, these communities via an Intergovernmental Agreement financed the use of a consultant to accomplish this work. Patrick Engineering is supporting Vernon Hills as the administrator of the Quiet Zones and has shared a proposal in the amount of \$47,300 or \$3,638 per community. This does not include any construction costs for mitigating any deficiencies identified by Patrick Engineering and required by the FRA.

Staff respectfully requests Village Board concurrence to recertify the Quiet Zone and to support entering into an IGA to finance the work with Patrick Engineering. Patrick Engineering's

assistance is needed to study field data on the 42 crossings along the three Quiet Zones, use the field data to update the grade crossing inventory for the FRA, analyze existing conditions at the crossings, confirm existing safety measures, conduct a risk analysis using traffic counts and train volumes, and submit the recertification packets to the FRA and other stakeholders including Canadian National, Metra, IDOT, etc.

Recommendation: Approval of the attached Resolution.

Attachments:

- Resolution Authorizing Execution of intergovernmental agreement
- Patrick Engineering Proposal
- Maps of 3 Quiet Zones

VILLAGE OF LAKE ZURICH
RESOLUTION NO. 2020-08-__



A RESOLUTION AUTHORIZING THE EXECUTION OF AN INTERGOVERNMENTAL AGREEMENT AMONG THE COUNTY OF LAKE AND THE VILLAGES OF BARTLETT, HOFFMAN ESTATES, BARRINGTON HILLS, SOUTH BARRINGTON, BARRINGTON, DEER PARK, LAKE ZURICH, HAWTHORN WOODS, LONG GROVE, LIBERTYVILLE, METTAWA, GREEN OAKS, AND THE CITY OF NORTH CHICAGO FOR THE EQUALLY SHARED COSTS FOR ENGINEERING WORK TOWARDS THE RECERTIFICATION OF A QUIET CORRIDOR ALONG THE ELGIN, JOLIET, AND EASTERN RAILROAD

WHEREAS, it is in the interest of the Village of Lake Zurich to work cooperatively with other municipalities along the Elgin, Joliet, and Eastern Railroad; and

WHEREAS, it is in the interest of the Village of Lake Zurich to maintain a quiet zone within the Village on the Elgin, Joliet, and Eastern Railroad to achieve both the safety of motorists and pedestrians and improve the quality of life; and

WHEREAS, this intergovernmental group will retail engineering services to investigate options for effective a quiet zone.

NOW, THEREFORE, BE IT RESOLVED by Corporate Authorities of the Village of Lake Zurich, Lake County, Illinois, that the Village Clerk and Village Staff are authorized to execute an intergovernmental agreement with communities along the Elgin, Joliet, and Eastern Railroad. Further that as a result of the nature of intergovernmental agreements and the necessary engineering work, that the amount of \$3,638.46 is approved for expenditures concerning this agreement.

APPROVED this ____ day of August, 2020.

AYES:

NAYS:

ABSENT:

ADOPTED this ____ day of August, 2020.

By: _____
Thomas Poynton, Village President

SEAL

ATTEST:

Kathleen Johnson, Village Clerk



March 27, 2020

Mr. David Brown
Village of Vernon Hills
490 Greenleaf Drive
Vernon Hills, IL 60061

Reference: Proposal for Engineering Services
Three Quiet Zone Corridors - Recertification Assistance
Cook and Lake Counties, Illinois

Patrick Proposal Number: 2COTR0024

Dear Mr. Brown:

Patrick Engineering Inc. (Patrick) is pleased to present this proposal to the Village of Vernon Hills (Village) to provide engineering services relating to the recertification of the three (3) current quiet zones administrated by Vernon Hills in Cook and Lake Counties along the Wisconsin Central Limited Railway (WCL) Leighton Subdivision in Illinois.

Patrick understands that the Village has been recently contacted by the Federal Railroad Administration (FRA) regarding the status of the three quiet zones the Village administrates and there has been a letter of non-compliance issued. While the Village is the administrator of the quiet zones, the Village will need to work with the Partner Agencies (Elgin, Hoffman Estates, Barrington, Barrington Hills, Lake Zurich, Hawthorn Woods, Mundelein, Libertyville, Mettawa, Lake Bluff, and North Chicago) to recertify these quiet zones. The FRA has given the Village a response letter due date of May 1, 2020 to address the issues of non-compliance. Patrick understands that additional investigation and analysis is required to recertify the current quiet zones, identify issues of non-compliance and provide recommendations to meet the requirements in Title 49 Code of Federal Regulations (CFR) Part 222.

Patrick proposes the following scope of services, budget and schedule to meet the requirements of Title 49 CFR 222 and recertify/reestablish the current three quiet zones.

Scope of Services

The following tasks will be performed by Patrick as part of the scope of services:

Task 1: Kick-off Meeting

Patrick will meet with the Village via teleconference to Kick-off the Project.

Task 2: Inventory of Railroad Crossings in Quiet Zones

1. Patrick will identify the safety improvements that qualify for SSM/ASM status along each corridor. Patrick will identify any work to be performed to the existing infrastructure to bring the improvements back into compliance, i.e. short medians, medians under 6" or experiencing wear, batons missing and needing to be replaced, etc.
2. Patrick will complete up to three scenarios for reducing risk per quiet zone corridor in order to determine the preferred scenario for FRA recertification.
3. Patrick will summarize findings in a one to two-page memorandum and a matrix and review the findings with the Village and Partner Agencies via teleconference.

Task 5: FRA Recertification Packages for Qualifying Quiet Zones

1. Once the preferred Corridor alternative has been approved by the Village, Patrick will develop and submit a draft recertification package for each quiet zone corridor for review. This package includes a cover letter; affirmation that the corridor continues to conform the requirements of Appendix A of Title 49 CFR 222; up-to-date, and accurate and complete Grade Crossing Inventory forms for the 42 crossings in the corridors.
2. With approval from the Village, Patrick will submit the recertification packages to the Partner Agencies and the stakeholders including FRA, CN, Metra, IDOT, ICC and private landowners with active private crossings in the corridor. These packages will be sent by the Village on Village letterhead via certified mail, return receipt requested per the FRA's requirements.

Task 6: FRA Documentation for Any Required Improvements

1. Patrick will develop one Alternative Supplemental Safety Measure Application (if needed) for submittal to the Partner Agencies and the stakeholders including FRA, CN, Metra, IDOT, ICC and private landowners with active private crossings in the corridor. These applications will be sent by the Village on Village letterhead via certified mail, return receipt requested per the FRA's requirements.
2. If the quiet zone corridor needs improvements to be made for the quiet zone to be brought into compliance, Patrick will develop one Amended Notice of Establishment per quiet zone corridor for submittal to the Partner Agencies and the stakeholders including FRA, CN, Metra, IDOT, ICC and private landowners with active private crossings in the corridor. These packages will be sent by the Village on Village letterhead via certified mail, return receipt requested per the FRA's requirements.

Project and Quality Management

1. Patrick will manage the schedule, deliverables and financial aspects of the project.
2. Patrick will complete quality control and quality assurance on all deliverables.

Budget

We propose to complete Tasks 1-6 on a lump sum fee as follows:

Task Description	Cost Per Task
Task 1: Kick-off Meeting	\$4,720
Task 2: Inventory of Railroad Crossings in Quiet Zones	\$15,780
Task 3: Analysis of Existing Conditions	\$3,840
Task 4: Confirm Existing Safety Improvement Measures and Risk Analysis	\$5,400
Task 5: FRA Recertification Packages for Qualifying Quiet Zones	\$5,660
Task 6: FRA Documentation for Any Required Improvements	\$7,940
Project Management and QAQC	\$3,960
Total	\$47,300

Additional scope not identified in this proposal but requested by the Village on behalf of the Partner Agencies, will be addressed in a written notification to the Village prior to any expenditure of effort. This will be in accordance with the attached Schedule of Fees and Services. Any changes will not be executed without prior written authorization from the Village.

This proposal may only be modified in writing. If the proposal satisfactory meets the Village and Partner Agencies' requirements for the proposed work, please sign where indicated below and return the signed acceptance to Patrick Engineering Inc. Please sign the attached Client Project Agreement for Professional Services and return a signed copy to Patrick Engineering Inc. This proposal will be open for acceptance within 30 days from the date of this letter, unless changed by Patrick Engineering Inc. in writing.

We appreciate this opportunity to assist the Village and the other Partner Agencies. Please feel free to call me at (630) 795-7200 if you have any questions or need any additional information.

Sincerely,

PATRICK ENGINEERING INC.



Karie E. Koehneke, P.E.
Project Manager

Attachments:

- Attachment A – Three Quiet Zone Corridor List Provided by Client
- Client Project Agreement
- 2020 Fee Schedule

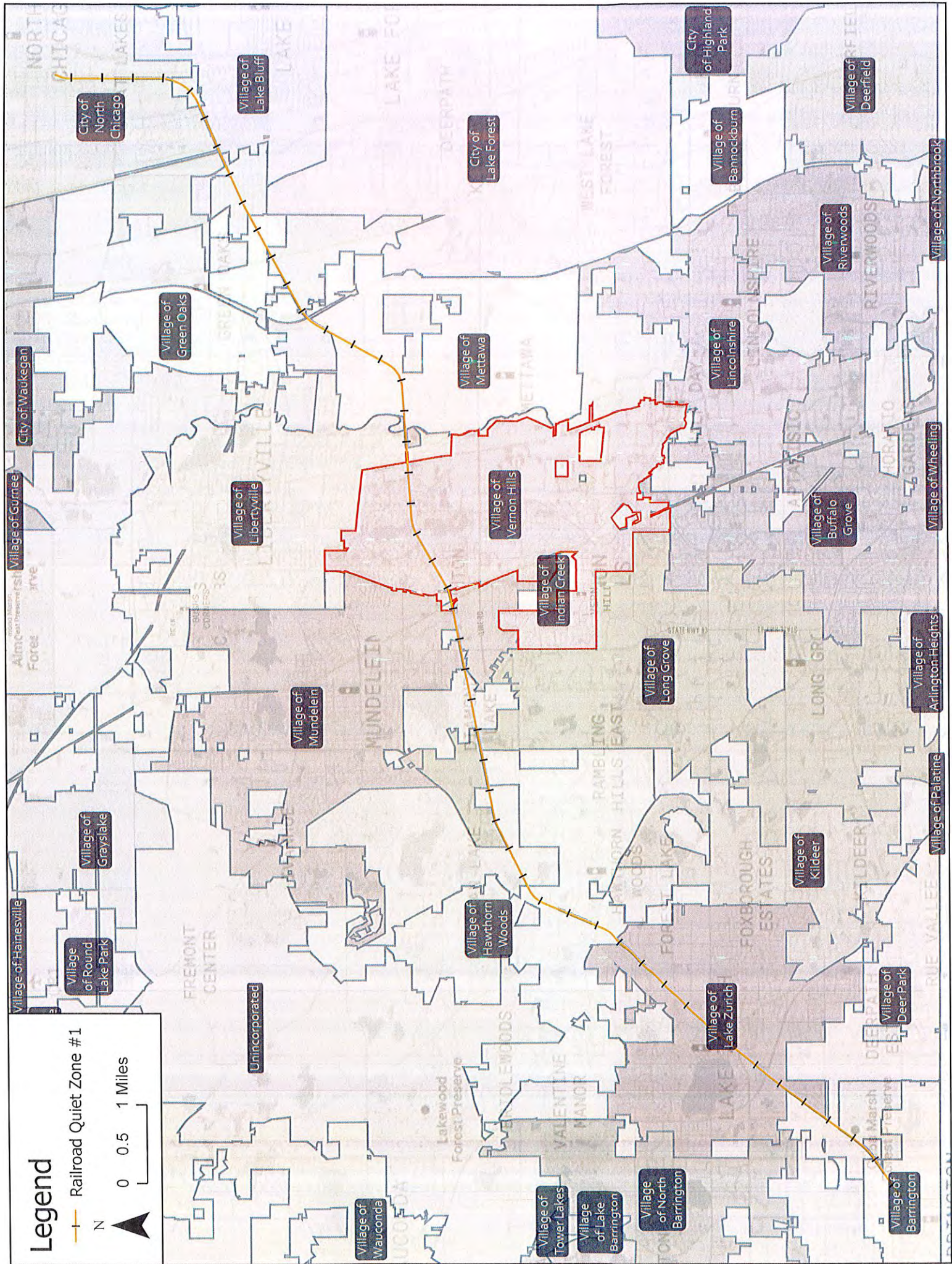
Legend

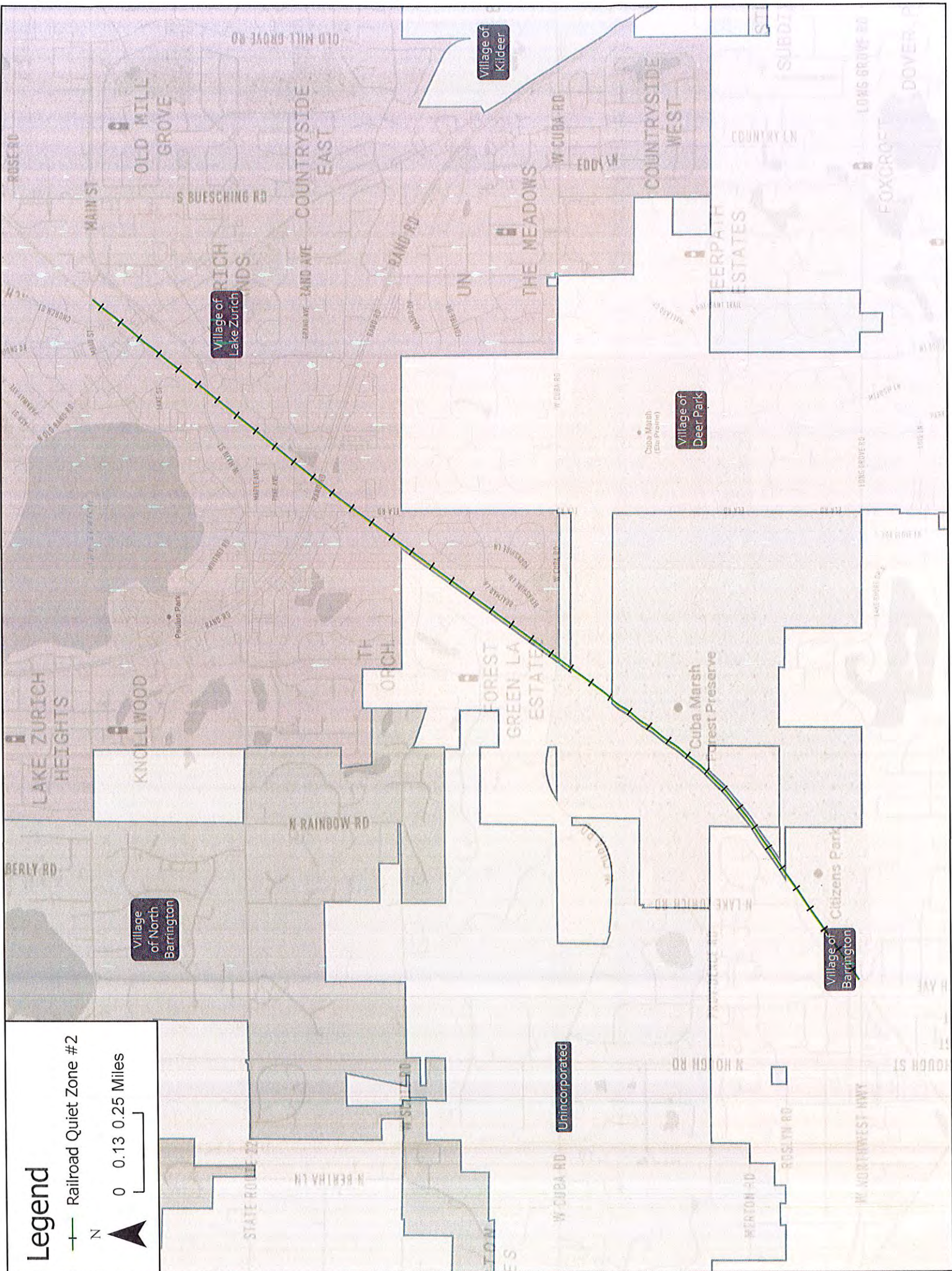
—+— Railroad Quiet Zone #1

N



0 0.5 1 Miles





Legend

—+— Railroad Quiet Zone #2

N



0 0.13 0.25 Miles



Village of North Barrington

Village of Lake Zurich

Village of Kildeer

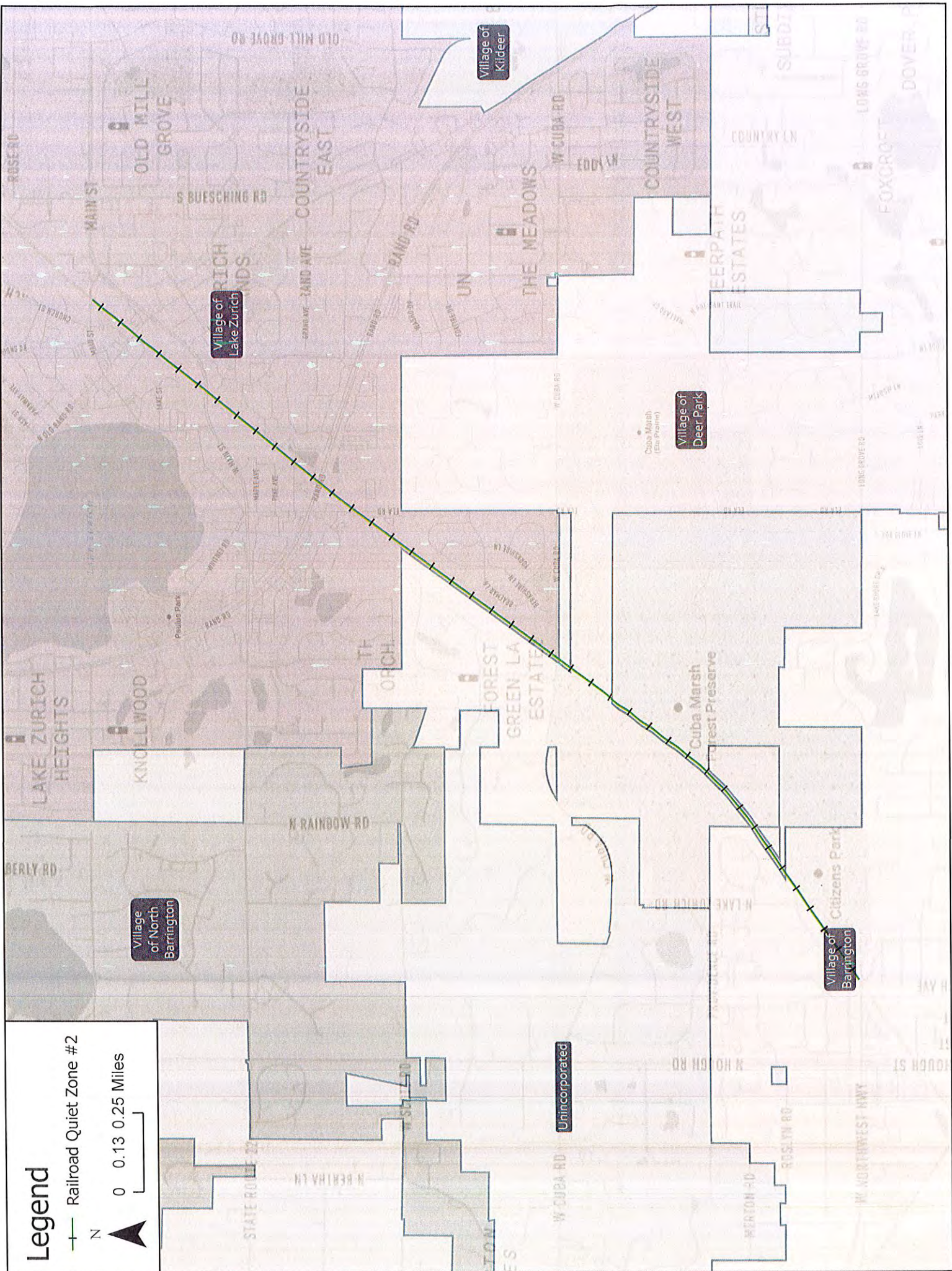
Village of Deer Park

Village of Barrington

Unincorporated

Cuba Marsh Forest Preserve

Citizens Park



Legend

— Railroad Quiet Zone #3



0 0.5 1 Miles

