



City of Aurora, IL
Purchasing
Jolene Coulter, Director of Purchasing
44 E Downer Place, Aurora, IL 60502

[THOMAS ENGINEERING GROUP, LLC] RESPONSE DOCUMENT REPORT

QBS No. 25-194

Orchard Road Noise Barrier Design

RESPONSE DEADLINE: October 1, 2025 at 11:00 am

Report Generated: Thursday, January 29, 2026

Thomas Engineering Group, LLC Response

CONTACT INFORMATION

Company:

Thomas Engineering Group, LLC

Email:

curtisc@thomas-engineering.com

Contact:

Curtis Cornwell

Address:

762 Shoreline Drive
Suite 200
Aurora, IL 60504

Phone:

N/A

Website:

www.thomas-engineering.com

Submission Date:

Oct 1, 2025 9:18 AM (Central Time)

ADDENDA CONFIRMATION

Addendum #1

Confirmed Sep 29, 2025 9:24 AM by Thomas Gill

QUESTIONNAIRE

1. SOQ Submittal*

See Section- SOQ Requirements and Selection Criteria

RFQ_#25-194_Orchard_Road_Noise_Barrier_Design_-_Thomas_Engineering_Group,_LLC.pdf

2. Proposer's Certification*

I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all equal employment practice requirements contained in Public Act 87-1257 (effective July 1, 1993) and 775 ILCS 5/2-105 (A).
- D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- E. The Proposer is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

Confirmed

3. Proposer's Tax Certification*

The Proposer's Executing Officer, being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Proposer, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Proposer deposes, states and certifies that Proposer is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Proposer is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

Confirmed

4. Standard City of Aurora Contract*

Please download the below documents, complete, and upload.

- [Sample Standard Contract QB...](#)

Sample_Standard_Contract_QBS.pdf

October 1, 2025

TO: City of Aurora
Attn: Purchasing Division
44 E. Downer Place
Aurora, IL 60507



RFQ #25-194: Orchard Road Noise Barrier Design

Purchasing Division:

Thomas Engineering Group, LLC (TEG) respectfully submits this proposal to the City of Aurora for your selection consideration on the Noise Wall Project. This project presents an important opportunity to enhance quality of life for Aurora residents by reducing noise impacts, while also delivering context-sensitive design that reflects community values.

Our project team recognizes the importance of community involvement in shaping these infrastructure improvements. For this project, we have prioritized early and continuous engagement with residents and stakeholders. As part of a previous noise walls project (noted in our experience), we have facilitated multiple workshops with the Carillon Senior Living community to better understand their concerns, preferences, and expectations. Additionally, we coordinated with the Village of Romeoville to tailor the design aesthetic of the wall to align with municipal goals and local character. These collaborative efforts resulted in a design that not only meets engineering and safety standards but also respects the voices of the people most directly impacted.

Our proposed Project Manager is Curtis Cornwell, PE, PTOE, who brings over 20 years of experience delivering complex Phase I and II engineering projects throughout the region. Mr. Cornwell will be supported by Project Engineer Kyle Vander Zee, PE, PTOE who has successfully managed technical design and coordination efforts on similar IDOT- and locally led projects. To strengthen the technical depth of our team, Tim Kelly, PE of Huff & Huff will provide specialized expertise in noise analysis and mitigation, ensuring that the design meets FHWA and IDOT requirements while remaining responsive to community concerns.

We believe that our combination of technical expertise, stakeholder engagement, and context-driven design makes our team the ideal partner for this important project. We look forward to answering any questions you may have and thank you for your consideration. If you require additional information, Curtis will be the contact person and can be reached at (773) 251-7938 or by email at curtisc@thomas-engineering.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "T. Gill".

Thomas Gill, PE
President



762 Shoreline Drive
Suite 200
Aurora, IL 60504





Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 27, 2025

Subject: PRELIMINARY ENGINEERING
 Consultant Unit
 Prequalification File

Thomas Gill
 THOMAS ENGINEERING GROUP, LLC
 238 South Kenilworth Avenue
 Suite 100
 Oak Park, IL 60302

Dear Thomas Gill,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2023. Your firm's total annual transportation fee capacity will be \$16,000,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 148.21% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2024. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
 Jack Elston, P.E.
 Bureau Chief
 Bureau of Design and Environment

SEFC PREQUALIFICATIONS FOR THOMAS ENGINEERING GROUP, LLC

CATEGORY	STATUS
Special Studies - Traffic Studies	X
Special Plans - Traffic Signals	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Hydraulic Reports - Waterways: Complex	X
Special Studies- Location Drainage	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Surveying	X
Highways - Freeways	X
Location Design Studies - Rehabilitation	X
Highways - Roads and Streets	X
Special Services - Sanitary	X
Special Studies - Safety	X
Special Services - Landscape Architecture	X
Special Services - Public Involvement	A
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Feasibility	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST





Weber Road Reconstruction

ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE II



PROJECT DESCRIPTION

Thomas Engineering Group (TEG), in joint venture with Collins Engineers, provided complete Phase II design services for the reconstruction and widening of Weber Road from just south of Normantown Road to 135th/Romeo Road. This one-mile project required close coordination with Will County, the Village of Romeoville, and the adjacent design team delivering the I-55 Diverging Diamond Interchange.

In addition to roadway widening and a new multi-use path, the improvements included the design of retaining walls and noise abatement walls. The noise wall component was highly context-sensitive, requiring a collaborative approach with both residents and local stakeholders. TEG conducted multiple workshops with the Carillon Senior Living community, providing opportunities for residents to voice concerns and review visual simulations of proposed wall alternatives. Their feedback on noise reduction effectiveness, aesthetics, and construction impacts was integrated into the final design.

TEG also worked directly with the Village of Romeoville to tailor the architectural treatment of the noise walls to the municipality's preferences. The resulting design balanced IDOT's performance standards with a community-supported aesthetic that enhances corridor identity and provides lasting value for adjacent neighborhoods. Additional project elements included environmental coordination and permitting, notably with the U.S. Army Corps of Engineers to secure a Section 404 permit for future improvements within the Lily Cache Slough.

CLIENT INFORMATION

Craig Bauer, PE
Project Engineer
Illinois Department of Transportation
201 W Center Court
Schaumburg, IL 60196
(847) 705-4800
Craig.Bauer@illinois.gov

PROJECT INFORMATION

Dates

03/2014 -12/2022

Cost

\$69,200,000

Key Personnel

(Project Manager) Curtis Cornwell, PE, PTOE
(Chief Surveyor) Chris DeYoung, PE, PLS
(Project Engineer) Vince Micek, PE, CFM





Illinois Route 53 Noise Wall Replacements

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHASE I



PROJECT DESCRIPTION

Thomas Engineering Group (TEG) led Phase I engineering for the replacement of deteriorating wooden noise walls along IL 53, a major north-south suburban corridor serving residential communities and regional traffic. The existing walls were in disrepair and failing to provide adequate abatement.

Under the leadership of Curtis Cornwell, PE, PTOE (Project Manager) and Kyle Vander Zee, PE (Project Engineer), the team evaluated existing facility conditions, verified ROW and survey data, and coordinated closely with IDOT and FHWA to develop plan and profile sheets, elevation tables, and preliminary cost estimates for new standard precast concrete noise walls. A 5-foot offset from the ROW was incorporated to facilitate constructability while minimizing ROW acquisition.

Environmental tasks included tree surveys, special waste coordination (PESA review and PSI requirements), and agency clearances for cultural resources and threatened/endangered species. Nearly 92 trees were identified for removal, but no Section 4(f), wetlands, or endangered species impacts were found.

The project also required extensive stakeholder coordination with the Villages of Palatine and Arlington Heights and Palatine Township to establish long-term maintenance responsibilities for the residential side of the new walls. TEG facilitated meetings and Letters of Intent with each municipality, balancing IDOT's structural maintenance obligations with local agency concerns over graffiti, access, and greenspace upkeep.

The resulting Phase I Project Report and Technical Memorandum documented existing deficiencies, proposed improvements, environmental coordination, and municipal agreements, enabling IDOT to advance the project into Phase II design and construction under its FY 2021-2026 Highway Improvement Program.

Key Services:

- Facility assessment and plan/profile development
- Survey and ROW verification
- Tree evaluation and environmental clearances
- Preliminary cost estimating
- Municipal and township coordination on maintenance responsibilities
- Technical memorandum and project report documentation

CLIENT INFORMATION

Corey Smith
 IDOT Project Manager
 201 W Center Court
 Schaumburg, IL 60196
 (847) 705-4103
 Corey.Smith@illinois.gov

PROJECT INFORMATION

Dates
 01/2020-01/2021

Cost
 \$7,300,000

Key Personnel
 (Project Manager) Curtis Cornwell
 (Project Engineer) Kyle Vander Zee





PROJECT PROFILE

Interstate Route 290 – Eisenhower Expressway EIS

PTB #114-01

Chicago, Illinois –2017 – 2019

Project Highlights:

- Traffic Noise and Noise Abatement Analysis
- Natural Resources
- Preparation of Environmental Impact Statement
- Public Involvement
- Wetlands
- Floodplains
- Vegetation Survey

Key Staff: Tim Kelly, P.E.
James Novak

Client Contact:

WSP
30 N. LaSalle
Chicago, IL 60606
(312) 782-8150



The Interstate 290 (I-290) Eisenhower Expressway improvement project was a multimodal corridor from I-88 (western Chicago suburbs) to Racine Avenue (downtown Chicago). I-290 will be reconstructed from I-88 to IL 50 (Cicero Avenue), upgrading the roadway to current design standards and replacing the nearly 50-year-old pavement and structures that have exceeded their service lives. Some additional highway capacity will be added to eliminate the current bottleneck conditions. The project would also provide High Occupancy Toll (HOT) lanes to improve operations in this extremely congested corridor. The I-290 corridor from IL 50 to Racine Avenue will be restriped to provide additional capacity.

The project was initiated in 2001 as an ECAD, Categorical Exclusion, and was elevated to an (EIS) in 2009 based on public comments. The Record of Decision was signed in June 2017. There has been a high level of public involvement for the project in general, particularly involving the traffic noise and noise abatement analysis completed by Huff & Huff, Inc. (H&H). The traffic noise analysis for this project was highly complex, given the dense urban development through which the project corridor extended. Over 10,000 individual receptors were studied in this project area. Four project alternatives were studied for traffic impacts, then the preferred alternative was studied for traffic impacts as well as abatement analysis. Based on public comments, sensitivity analyses in particularly dense residential areas and for a nearby Chicago Parks District property were completed to determine the traffic noise consequences of various types of project alternatives. Nearly all land adjacent to the I-290 study corridor was found to have traffic impacts in the future condition and ninety-two noise walls were analyzed in the project area. Of these ninety-two walls, sixty-three were found to be feasible, met IDOT's noise reduction design goal, and were cost effective.

H&H developed the viewpoints solicitation packages for those who would receive a noise reduction benefit from the sixty-three prepared noise walls, in addition to determining the results from the noise wall voting process. H&H worked with IDOT to develop content and materials for noise information meetings prior to the noise wall voting, called "noise forums." The project was highly controversial, and alternatives changed frequently through the project in response to the Context Sensitive Solutions (CSS) process H&H delivered a state-of-the-art technical report and worked closely with the public and agencies throughout the noise analysis process.

In addition to the traffic noise analysis, H&H completed a wetland analysis, tree survey, natural resources review, threatened and endangered species analysis, water quality analysis, and worked closely with the project's engineering team to develop the floodplains analysis for the EIS.





PROJECT PROFILE

Statewide Noise Consultant Illinois Department of Transportation 2003 – Present

In April 2003, Huff & Huff/GZA (H&H/GZA) was selected as the Statewide Noise Consultant for the Illinois Department of Transportation (IDOT) and was reselected in 2006, 2009, 2011, 2014, and again in 2020 to continue as the Statewide Noise Consultant. The overall scope of services included conducting traffic noise analyses throughout the state on an as-needed basis, traffic noise monitoring, noise training, and reviewing NEPA documents for projects throughout the state.

During the duration of the statewide noise contract, H&H/GZA has performed or reviewed noise projects in counties throughout Illinois, including Adams, Bureau, Cook, Effingham, Franklin, Jackson, Jefferson, Jersey, Kendall, Madison, Marshall, Peoria, Putnam, Rock Island, Sangamon, St. Clair, Vermillion, Will, Williamson, and Winnebago. The type of work performed has varied from preparing a public noise education initiative, conducting training programs for IDOT employees and consultants, conducting noise monitoring, reviewing noise studies completed by other consultants, and updating the IDOT Noise Policy and Noise Manual to meet the new FHWA regulations promulgated in 2006, 2010, and 2017. To date over 65 work orders have been issued.

As part of the statewide noise contract, IDOT requested that H&H/GZA prepare two traffic noise training programs, one for the public and one for IDOT employees. The public program included information to be placed on the IDOT web site, pamphlets for handouts, and a slide show to be viewed at public meetings. H&H/GZA received an engineering excellence award for this program. The program developed for IDOT employees included modules to be placed on the IDOT computer network and two training sessions conducted by H&H employees, one for overall noise training, and one for TNM training.

As part of the 2006 Statewide Noise Consultant contract, H&H/GZA has reviewed and updated the IDOT *Traffic Noise and Vibration Manual*. In addition to the highway noise analyses and reviews completed under this contract, H&H/GZA has conducted a freight train analysis for IDOT and conducted a training session for the CREATE Noise and Vibration methodology.

In 2011 and 2017, H&H, in conjunction with IDOT personnel, reviewed and updated the IDOT *Bureau of Design and Environment Manual* and *Highway Traffic Noise Assessment Manual* based on 2011 and 2017 updates to Federal Highway Administration noise regulations. H&H/GZA has conducted a training session for IDOT personnel and other consultants summarizing the changes made to the IDOT noise policy. Additionally, H&H/GZA managed the development of public involvement videos illustrating IDOT's traffic noise analysis procedures. In 2018 H&H/GZA provided noise training courses to IDOT personnel and consultants. The training courses were designed to assist consultants to meet prequalification requirements to conduct IDOT noise analysis.

Project Highlights

- Noise Monitoring
- Noise Training
- Noise Report Review
- Noise Evaluations
- Technical Consultation

Client Contact

Dr. Benjamin R. Sperry
IDOT Central Office
Springfield, IL
217-785-0202
Benjamin.Sperry@illinois.gov





PROJECT PROFILE

The following are the noise projects from 2010 to present.

Project	District	Year	Description
I-64	8	2010	Noise Analysis and Report
IL 162 Realignment	8	2010	Noise Analysis and Report
Diamond Grinding Noise Measurements	1	2010	Perform noise measurements to determine the effect of diamond grinding on noise levels
Update IDOT Noise Policy & Noise Manual	All	2011	Updating existing IDOT noise policy manual
Moline Rail Station	2	2011	Passenger Rail Noise & Vibration Evaluation
I-80 Noise	1	2012	Conduct a new analysis for I-80 and conduct public meetings
I-57	9	2013	Noise Analysis and Report
IL 13	9	2013	Noise Analysis and Report
Godfrey Noise Monitoring	8	2013	Noise monitoring of residential area
CREATE Document Review	1	2014	Review of CREATE technical report and provide comments
Yorkville Traffic Report Review	3	2014	Review of noise technical report and provide comments
South 6 th Street Improvements	6	2015	Review of noise technical report and provide comments
Interstate 74 East of State Route 49	5	2016	Traffic Noise and Noise Abatement Study of New Weigh Station
Noise Manual & Policy Revisions	All	2016	Review of BDE Manual & Noise Policy
Traffic Noise Training Video	All	2016	IDOT Traffic Noise Video – Discovery Phase
Nofsinger Road Relocation	4	2016	Review of noise technical report and provide comments
I-57 Receptor Survey	9	2016	Improvement Project Noise Analysis
Noise Video Development	All	2017	IDOT Traffic Noise Video – Development Phase
Noise Policy Revisions	All	2017	Revisions of Noise Policy
IDOT Noise Training	All	2018	Conducted noise training courses for IDOT personnel and consultants
Noise Report Reviews	All	2018	Reviews of various noise reports and analysis
Noise Consultations	All	2018	Provide assistance to IDOT on public inquiries about traffic noise and abatement
TNM 3 Review	All	2018	Beta tested and reviewed early version on new TNM 3 noise model
Delhi Bypass Noise Analysis	8	2019	Noise Analysis and Report
IL Route 97 Noise Analysis	4	2019	Noise Analysis and Report
Interstate Route 64 Noise Analysis	8	2019	Noise Analysis and Report
Rest Area Noise Analysis	9	2020	Noise Analysis and Report
Green Mount Road Noise Analysis	8	2020	Noise Analysis and Report
IL 158 Extension Noise Analysis	8	2020	Noise Analysis and Report
IL Route 97 Benefitted Receptor Survey	8	2021	Benefitted Receptor Survey
I-57 in Manteno, IL Noise Analysis	5	2022	Noise Analysis and Report
I-57 in Marion, IL Noise Analysis	8	2023	Noise Analysis and Report
I-57 in Manteno, IL Benefitted Receptor Survey	5	2024	Benefitted Receptor Survey

Curtis Cornwell, PE, PTOE

Project Manager



Mr. Cornwell is a registered Professional Engineer and Professional Traffic Operations Engineer with 23 years of experience in roadway planning, public involvement, design, traffic analysis, and construction. He is familiar with many transportation software packages including MicroStation, GEOPAK Road, AutoCAD, HCS 2000, Synchro, SimTraffic, and AutoTURN.

Summary of Relevant Project Experience

- Phase I, Illinois Route 53 Noise Wall Replacements, Illinois Department of Transportation** — Project Manager. Thomas Engineering Group (TEG) led Phase I engineering for the replacement of deteriorating wooden noise walls along IL 53, a major north–south suburban corridor serving residential communities and regional traffic. Our team evaluated existing facility conditions, verified ROW and survey data, and coordinated closely with IDOT and FHWA to develop plan and profile sheets, elevation tables, and preliminary cost estimates for new standard precast concrete noise walls. The project also required extensive stakeholder coordination with the Villages of Palatine and Arlington Heights and Palatine Township to establish long-term maintenance responsibilities for the residential side of the new walls. TEG facilitated meetings and Letters of Intent with each municipality, balancing IDOT’s structural maintenance obligations with local agency concerns over graffiti, access, and greenspace upkeep.
- Phase II, Weber Road Reconstruction, Romeoville, Illinois, Illinois Department of Transportation** — Project Manager and Client Liaison. This project involved complete Phase II design services for a one-mile section of Weber Road from just south of 135th Street/Romeo Road to Normantown Road. This project required close coordination with Will County and the Village of Romeoville, along with the adjacent designer responsible for the I-55 Weber interchange (Diverging Diamond) reconstruction. In addition to the widening and reconstruction of Weber Road, the project included the design of a multi-use path, a retaining wall, and noise walls. Additional coordination with the US Army Corp of Engineers was needed to secure a 404 permit for future work being conducted within the Lily Cache Slough
- Phase I, IL Route 59 at Champion Road Intersection Improvement, Illinois Department of Transportation/Village of Plainfield** — Project Manager. TEG provided Phase I services for this IDOT District 1 intersection improvement project located in Plainfield and Naperville. The purpose of this project was to improve the safety, mobility, and operations of the intersection of IL 59 at Champion Road. The proposed scope included traffic signal modernization, improved channelization with median reconstruction, ADA improvements and new sidewalk installation along the west side of IL 59 providing a sidewalk network from Marathon Lane (north of Champion Road) to the commercial entrance/Kohl’s entrance (south of Champion Rd).



EDUCATION

University of Illinois at Urbana-Champaign
Champaign, IL
Bachelor of Science,
Agricultural Engineering

PROFESSIONAL REGISTRATIONS

Professional Engineer:
Illinois (062-059098)

Professional Traffic Operations
Engineer: Certificate Number 3307

YEARS OF EXPERIENCE AT TEG

13

PROFESSIONAL ASSOCIATIONS & RECOGNITIONS

American Society of Civil Engineers
Engineers Without Borders
Institute of Transportation Engineers

SELECTED CONTINUING EDUCATION

NATIONAL HIGHWAY INSTITUTE
AASHTO Roadside Design Guide
Planning / Designing Roadways
Highway Safety Manual
NORTHWESTERN TRAFFIC INSTITUTE
Fundamentals of Geometric Design
Advanced Geometric Design
Roundabout Design
TRAFFIC
Highway Capacity Manual
Synchro
BENTLEY
GEOPAK Training
Advanced GEOPAK Training
IDOT
Various Construction Courses
Design Policy & Plan Prep.
Construction Documentation
Certification



Kyle Vander Zee, PE, PTOE

Project Engineer



Mr. Vander Zee has 8 years of experience in roadway planning, design, and construction, project coordination, crash analysis and traffic safety studies, traffic signal warrant studies, capacity analysis, barrier warrant analysis, and ADA design. He is proficient in many transportation software packages, including MicroStation, AutoTURN, and HCS.

Summary of Relevant Project Experience

- Phase I, Illinois Route 53 Noise Wall Replacements, Illinois Department of Transportation** — Project Engineer. Thomas Engineering Group (TEG) led Phase I engineering for the replacement of deteriorating wooden noise walls along IL 53, a major north–south suburban corridor serving residential communities and regional traffic. Our team evaluated existing facility conditions, verified ROW and survey data, and coordinated closely with IDOT and FHWA to develop plan and profile sheets, elevation tables, and preliminary cost estimates for new standard precast concrete noise walls. The project also required extensive stakeholder coordination with the Villages of Palatine and Arlington Heights and Palatine Township to establish long-term maintenance responsibilities for the residential side of the new walls. TEG facilitated meetings and Letters of Intent with each municipality, balancing IDOT’s structural maintenance obligations with local agency concerns over graffiti, access, and greenspace upkeep.
- Phase II, Berwyn Township ADA improvements, Cook County, Illinois, Illinois Department of Transportation** – Project Engineer. TEG is performing design of over 90 sidewalk corners to meet current ADA standards. The sidewalk corners included in this project are located along the Harlem Avenue corridor and the Ogden Avenue corridor in Berwyn Township. Individual responsibilities include development of plans, special provisions, estimates of cost and time, and compilation of maximum extent practicable (MEP) forms.
- Phase I, Conceptual Access Justification Report, Cook County, Illinois, Illinois Department of Transportation** — Project Engineer. This project included the development of a conceptual Access Justification Report (AJR). The scope of work for the conceptual AJR required TEG to follow the format of a full AJR but refrain from going into the depth and detail required by a full AJR. Therefore, with some exceptions, the conceptual AJR followed the framework of Chapter 37 of IDOT’s Bureau of Design and Environment Manual which includes the FHWA Interstate Access Policy Points. Individual responsibilities included using Highway Capacity Software (HCS) analyze current traffic conditions as well as “build” and “no-build” conditions for the I-80 eastbound to I-294 northbound ramp. Results of the capacity analysis were included in the final report along with background information, impact to communities, safety analysis, and a preliminary cost estimate.



EDUCATION

Dordt University
Sioux Center, Iowa
Bachelor of Science,
Engineering

PROFESSIONAL REGISTRATIONS

Professional Engineer:
Illinois (062-072409)

Professional Traffic Operations
Engineer: Certificate Number 5550

YEARS OF EXPERIENCE AT TEG

9

SELECTED CONTINUING EDUCATION

IDOT QC/QA PROGRAM
Documentation of Contract
Quantities
(#17-12722 exp. 04-06-21)

Bentley
GEOPAK Training

MCTRANS
Highway Safety Manual and
Highway Capacity Software
Training





RESUME

**Timothy M. Kelly, P.E.**

Senior Project Engineer / Noise Specialist

Summary of Experience

Mr. Kelly is a professional engineer with experience in environmental studies, particularly with traffic noise analyses. Mr. Kelly led the development of the updated Illinois Department of Transportation noise policy and played a prominent role in the development of the updated Illinois Tollway noise policy. He is prequalified by Illinois DOT for traffic noise analysis on an EIS level, and for NEPA as an EA Lead. His experience as IDOT's statewide noise expert has provided him with understanding of noise policies and public perceptions of noise, which is critical in establishing noise policy. In addition, he has experience with rail noise and vibration studies, having completed noise and vibration analyses for both Metra and under the CREATE program.

Mr. Kelly also led the highly complex noise study for the I-290 EIS. Over 10,000 individual receptors were studied for this project area. He worked with IDOT to develop content for noise informational meetings, called "noise forums." This project garnered much public interest, and these meetings served an important role in successfully completing the project.

Mr. Kelly has served as the project manager for NEPA projects including Gougar Road EA, the US 20 Feasibility Study and, the Dee Bennett Road EA. The Gougar Road EA presents several interesting challenges, including potential Section 106 and Section 4(f) impacts.

Relevant Project Experience**NOISE ANALYSIS**

- Conducted over 50 noise report reviews on behalf of IDOT D1 and IDOT BDE (2015 to present)
- On-call services, policy interpretation, policy development, and noise analysis reviews for IDOT District 1, IDOT BDE, and ISTHA (2010 – present)
- 2025 Update of Illinois DOT Traffic Noise Assessment Manual and Policy (2025)
- Conducted noise analysis with TNM 2.5 for Manhattan-Monee Rd in Will Co., IL (2025)
- Conducted noise analysis with TNM 2.5 for US Route 6 in Grundy Co., IL (2025)
- Conducted noise analysis with TNM 2.5 for approximately 70-mile stretch of I-88 in Whiteside, Lee, Ogle, DeKalb, and Kane Counties, IL (2024)
- Conducted noise analysis with TNM 2.5 for Ridge Road in Kendall Co., IL (2023)
- Conducted noise re-eval for I-80 EA re-evaluation in Will County, Illinois (2023)
- Conducted noise analysis with TNM 2.5 for I-57 in Kankakee Co., IL (2023)
- Conducted noise analysis utilizing TNM 2.5 for Gougar Road in Will Co., IL (2022)
- Conducted noise analysis utilizing TNM 2.5 for I-57 in Williamson Co., IL (2022)
- Conducted noise analysis with TNM 2.5 for IL 53 in Will Co, IL (2021)
- Conducted noise analysis with TNM 2.5 for Randall Road at IL 72 in Kane Co, IL (2021)
- Conducted noise analysis with TNM 2.5 for 25th Avenue in Cook Co., IL (2020)
- Conducted noise analysis with TNM 2.5 for IL 97 in Sangamon Co., IL (2020)
- Conducted noise analysis with TNM 2.5 for Laraway Road in Will Co., IL (2020)
- Conducted noise analysis with TNM 2.5 of IL 158 Extension in St Clair Co., IL (2020)

Education

B.S., 2007, General Engineering, University of Illinois- Champaign-Urbana

Licenses & Registrations

Professional Engineer
2012, Illinois, #062-064658
2016, Minnesota, 54132

Areas of Specialization

- Noise Analyses
- NEPA

Training/Seminars

- FHWA Beta Training for TNM 3.0, 2020
- HMMH Aviation Noise Course, 2020
- NEPA and the Transportation Decision-making Process, Columbia, SC, 2016
- ACEC-Illinois/IDOT Phase 1 Training, IDOT/FHWA, Lombard, Illinois, 2016
- Environmental & Community Noise Monitoring, Chicago, Illinois, 2014
- Transit Noise and Vibration Impact Assessment, Portland, Oregon, 2011
- Noise Policy Meeting, 2011 – Presenter
- Context Sensitive Solutions Approach, IDOT, 2009
- FHWA Traffic Noise Model 2.5 Course, Franklin, Tennessee, 2008
- ACEC of Illinois - Highway Traffic Noise Course, 2007
- OSHA 40 Hour, Hazardous Waste Site Worker Course, 2007

Publications and Presentations

- Noise Presentation / Training for IDOT (April 2018 and October 2018)
- "The Ike: Rewriting Illinois DOT's Traffic Noise Policy" ADC40 Meeting (2017)



RESUME

Timothy M. Kelly, P.E.

Senior Project Engineer / Noise Specialist

- Conducted noise analysis with TNM 2.5 for Green Mount Rd. in St Clair Co., IL (2020)
- Conducted noise analysis with TNM 2.5 for Rest Area in Union Co., IL (2020)
- Conducted noise analysis with TNM 2.5 for Anderson Road in Kane Co., IL (2020)
- Conducted a Phase II noise analysis reassessment using TNM 2.5 the ISTHA Central Tri-State widening project (2019-2020)
- Conducted noise analysis utilizing TNM 2.5 for I-64 in St. Clair County, Illinois (2019)
- Conducted a noise analysis utilizing TNM 2.5 and the benefited receptor survey for IL 97 in Sangamon County, Illinois (2019)
- Conducted a noise analysis utilizing TNM 2.5 for I-80 from Ridge Road to US 30 in Will & Grundy Counties, Illinois (2019)
- Conducted a detailed noise study for a Metra Fox River Bridge as part of an EA document (2017)
- Conducted a noise analysis for four build alternatives and noise abatement analysis for the preferred alternative utilizing TNM 2.5 for I-290 Eisenhower Expressway Traffic Noise, Cook County, Illinois (2015)
- Conducted a noise and vibration study for the High-Speed Rail corridor project at the Kankakee Bridge (2014)
- Conducted a detailed noise study for a Metra UP NW Line as part of an EA document (2013)
- Conducted noise & vibration studies and noise abatement analyses for CREATE projects P6, WA5, WA10, B1, B4/B5, B8, B15, and B9EW1 (2007 – 2017)
- Conducted a noise analysis utilizing TNM 2.5 for US 20 in Kane & Cook Counties, Illinois (2019)
- Conducted a noise analysis utilizing TNM 2.5 for the proposed new alignment of the Delhi Bypass, Jersey County, IL (2019)
- Developed and conducted noise training for IDOT Pre-qualification process (April and October 2018)
- Conducted a noise analysis utilizing TNM 2.5 for US 20 in Kane & Cook Counties, Illinois (2018)
- Conducted a noise analysis utilizing TNM 2.5 for a I-80 in Will & Grundy Counties, Illinois (2018)
- Conducted a noise analysis utilizing TNM 2.5 for a Naperville Road in DuPage County, Illinois (2018)
- Conducted a noise analysis utilizing TNM 2.5 for a Happ Road in Lake County, Illinois (2018)
- Conducted a noise analysis utilizing TNM 2.5 for IL 173 in Lake County, Illinois (2018)
- Conducted a noise analysis utilizing TNM 2.5 for a I-55 in Will County, Illinois (2017)
- Reviewed TNM 3.0 Beta and provided comments on behalf of IDOT BDE (2017)
- 2017 Update of Illinois DOT Traffic Noise Assessment Manual and Policy (2016-17)
- 2017 Update of Illinois State Toll Highway Authority Traffic Noise Study and Abatement Policy (2016-17)
- Lead development of IDOT Traffic Noise Informational Video Series (2016-17)
- Conducted a noise analysis utilizing TNM 2.5 for a Nofsinger Road in Tazewell County, Illinois (2016)
- Conducted noise analysis with TNM 2.5 & benefited receptor survey for 31 miles of I-57 in Williamson, Franklin, & Jefferson Counties, Illinois (2016)
- Conducted a noise analysis utilizing TNM 2.5 for South 6th Street in Sangamon County, Illinois (2016)
- Conducted a noise analysis utilizing TNM 2.5 for a proposed weigh station on I-74 in Vermillion County, Illinois (2016)
- Reviewed noise analysis for the I-55 Managed Lanes project, Cook and Will Counties, Illinois (2015)
- Conducted a noise impact analysis for four build alternatives and noise abatement analysis for the preferred alternative utilizing TNM 2.5 for the proposed Alton Bypass in Alton, Illinois (2015)
- Conducted a noise study & abatement analysis utilizing TNM 2.5 for the East Side Highway in Bloomington, Illinois (2014)
- Conducted a noise analysis of trucking facility relative the Illinois Pollution Control Board limits in Will County, Illinois (2014)
- Conducted a noise study analysis with TNM 2.5 for Laraway Road between Manhattan Rd. & Cedar Rd. in Will Co., IL (2014)
- Conducted a noise abatement screening to estimate the potential abatement costs for the proposed IL53 for ISTHA (2013)
- Conducted a noise study on the effects of diamond grinding on the noise properties of pavements for ISTHA (2013)
- Conducted a noise exposure screening for occupational noise concerns (2013)
- Conducted a noise study with TNM 2.5 for I-90 at Barrington Road in Hoffman Estates and South Barrington, Illinois (2013)
- Conducted a noise study with TNM 2.5 for 143rd between Will Cook Road and Wolf Road in Orland Park, Illinois (2013)
- Conducted a noise study & abatement analysis utilizing TNM 2.5 for the Weber Road at I-55 in Will County, Illinois (2012)
- Performed a reanalysis of the I-80 noise analysis at Parker Road, including several information meetings with residents regarding the noise analysis process (2012)
- Conducted a noise study and noise abatement analysis utilizing TNM 2.5 for the Willow Road project in Illinois (2012)



PROJECT LEADERSHIP

Thomas Engineering Group (TEG) will lead the design of the Orchard Road Noise Barrier under the direction of Curtis Cornwell, PE, PTOE, who will serve as Project Manager. Mr. Cornwell brings over 20 years of experience managing Phase I and II transportation projects throughout Illinois, with a focus on context-sensitive solutions, cost-effective designs, and community coordination. Kyle VanderZee, PE will serve as Project Engineer, providing day-to-day design oversight and coordination with subconsultants.

To deliver specialized expertise in traffic noise and barrier design, Timothy Kelly, PE, a recognized statewide leader in noise analysis and policy, will serve as Senior Noise Specialist. Mr. Kelly has led numerous IDOT noise studies, including the I-290 Eisenhower Expressway EIS where over 10,000 receptors and 92 noise wall alternatives were analyzed. His experience updating IDOT's Noise Policy and conducting complex benefited receptor surveys ensures that the Orchard Road design will meet technical standards and community expectations.

↓ PROJECT UNDERSTANDING

The City of Aurora seeks to replace approximately 6,265 linear feet of deteriorating wooden fencing along Orchard Road (Kane County Highway 83) with a durable and effective noise barrier system. The project is located adjacent to established single-family residential neighborhoods, making aesthetics, cost, and community acceptance central to success.

KEY CONSIDERATIONS INCLUDE:

- Selection of barrier material type and height (ranging from 9'–12' per the City's location map).
- Providing cost estimates for recommended and alternative wall options.
- Coordinating closely with the City, Kane County, and adjacent residents.
- Supporting potential community engagement meetings to present barrier concepts and respond to resident concerns.

↓ TECHNICAL APPROACH

Our approach emphasizes a structured, collaborative, and transparent design process:

DATA COLLECTION & CORRIDOR REVIEW

- Field verify existing fence alignment, ROW conditions, and adjacent property interfaces.
- Review GIS mapping, survey data, and past roadway improvements for constraints.

NOISE ANALYSIS & BARRIER RECOMMENDATIONS

- Utilize FHWA's Traffic Noise Model (TNM 2.5/3.0) to confirm appropriate barrier heights and lengths.
- Assess alternative wall types (precast concrete, composite, transparent panels, etc.) for acoustic performance, constructability, and aesthetics.
- Provide comparative life-cycle cost estimates.

DRAFT DESIGN DEVELOPMENT

- Prepare plan/profile sheets, barrier elevations, and structural details.
- Coordinate with Kane County and utility providers to ensure compatibility with adjacent facilities.
- Develop draft specifications and special provisions consistent with IDOT and local standards.

STAKEHOLDER ENGAGEMENT

- Assist the City at neighborhood information sessions or City Council updates.
- Present barrier options with visual simulations and cost comparisons.
- Provide technical responses to resident feedback regarding noise reduction, aesthetics, and maintenance.

FINAL DESIGN DOCUMENTS

- Incorporate feedback from City, County, and residents.
- Prepare final bid-ready plans, cost estimates, and contract documents.
- Support the City through the bidding phase with addenda or clarifications as needed.

PROJECT TIMELINE

ORCHARD ROAD NOISE BARRIER DESIGN						
KICKOFF MEETING AND DATA COLLECTION	[Blue]		[Light Green]	[Light Green]	[Light Green]	[Light Green]
DRAFT BARRIER RECOMMENDATIONS AND COST ESTIMATES	[Light Green]	[Pink]		[Light Green]	[Light Green]	[Light Green]
DRAFT DESIGN DOCUMENTS AND STAKEHOLDER ENGAGEMENT	[Light Green]	[Light Green]	[Yellow]			[Light Green]
FINAL DESIGN SUBMITTAL AND BIDDING SUPPORT	[Light Green]	[Light Green]	[Light Green]	[Light Green]	[Red]	
	NOV 2025	DEC 2025	JAN 2026	FEB 2026	MAR 2026	APR 2026



At Thomas Engineering Group, we take great pride in our reputation and the enduring connections we maintain with our clients. They have firsthand experienced the superior quality of our engineering solutions, our proactive approach to anticipating challenges, and our proficiency in promptly communicating needs and expectations to stakeholders. We invite you to reach out to any of the listed representative clients to learn more about their experience with our staff.

PROJECT REFERENCES	
Government Agency	Client Reference
ILLINOIS DEPARTMENT OF TRANSPORTATION	COREY SMITH, PROJECT MANAGER 201 W CENTER COURT SCHAUMBURG, IL 60196 (847) 705-4103 COREY.SMITH@ILLINOIS.GOV
ILLINOIS DEPARTMENT OF TRANSPORTATION	CRAIG BAUER, PROJECT ENGINEER ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W CENTER COURT SCHAUMBURG, IL 60196 (847) 705-4800 CRAIG.BAUER@ILLINOIS.GOV
ILLINOIS DEPARTMENT OF TRANSPORTATION	DR. BENJAMIN R. SPERRY IDOT CENTRAL OFFICE SPRINGFIELD, IL (217) 785-0202 BENJAMIN.SPERRY@ILLINOIS.GOV

CITY OF AURORA AGREEMENT

THIS AGREEMENT, entered on this _____ (“Effective Date”), for the (Services”) is entered into between the **CITY OF AURORA** (“City”), a municipal corporation, located at 44 E. Downer Place, Aurora, Illinois and _____ (“Proposer”), located at .

WHEREAS, the City issued a Qualification Based Selection (“QBS”) on _____ for the _____; and

WHEREAS, the Proposer submitted a Proposal in response to the QBS and represents that it is ready, willing and able to perform the Services specified in the QBS and herein as well as any additional services agreed to and described in the Agreement; and

WHEREAS, on _____, the City awarded a contract to Proposer, _____.

IN CONSIDERATION of the mutual promises and covenants herein contained, the parties hereto do mutually agree to the following:

1. Agreement Documents.

The Agreement shall be deemed to include this document, Proposer’s response to the QBS, to the extent it is consistent with the terms of the QBS, any other documents as agreed upon by the parties throughout the term of this Agreement, along with any exhibits, all of which are incorporated herein and made a part of this Agreement. In the event of a conflict between this Agreement and any exhibit, the provisions of this Agreement shall control.

Qualification Based Selection _____.

In connection with the QBS and this Agreement, Proposer acknowledges that it has furnished and will continue to furnish various certifications, affidavits and other information and reports, which are incorporated herein. Proposer represents that such material and information furnished in connection with the QBS and this Agreement is truthful and correct. Proposer shall promptly update such material and information to be complete and accurate, as needed, to reflect changes or events occurring after the Effective Date of this Agreement.

2. Scope of Services.

Proposer shall perform the Services listed in the Proposal, attached hereto as Exhibit 1.

3. Term.

This agreement shall remain in effect until the terms of the QBS and completion of services have been met, unless sooner terminated in accordance with the terms contained herein, ends upon completion of services.

4. Compensation.

Maximum Price. In accordance with the Proposer's negotiated cost, the price for providing the Services shall be as stated on the submitted Proposal, Exhibit 2.

Schedule of Payment. The City shall pay the Proposer for the Services in accordance with the amounts set forth in Exhibit 2, price shall remain firm for the entire contract period. The Proposer shall be required to submit an itemized invoice as well as any supporting documentation as required by the City. Each invoice shall be accompanied by a statement of the Proposer of the percentage of completion of the Services through the date of the invoice. Payment shall be made upon the basis of the approved invoices and supporting documents. The City, after inspection and acceptance, and in consideration of the faithful performance by the Proposer, agrees to pay for the completion of the work embraced in this Contract. Payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, *et. seq.*) upon receipt of the invoice.

5. Performance of Services.

Standard of Performance. Proposer shall perform all Services set forth in this Agreement, and any other agreed documents incorporated herein, with the degree, skill, care and diligence customarily required of a professional performing services of comparable scope, purpose and magnitude and in conformance with the applicable professional standards. Proposer shall, at all times, use its best efforts to assure timely and satisfactory rendering and completion of the Services. Proposer shall ensure that Proposer and all of its employees or subcontractors performing Services under this Agreement shall be: (i) qualified and competent in the applicable discipline or industry; (ii) appropriate licensed as required by law; (iii) strictly comply with all City of Aurora, State of Illinois, and applicable federal laws or regulations; (iv) strictly conform to the terms of this Agreement. Proposer shall, at all times until the completion of the Services, remain solely responsible for the professional and technical accuracy of all Services and deliverables furnished, whether such services are rendered by the Proposer or others on its behalf, including, without limitation, its subcontractors. No review, approval, acceptance, nor payment for any and all of the Services by the City shall relieve the Proposer from the responsibilities set forth herein.

6. Termination.

Termination for Convenience. The City has the right to terminate this Agreement, in whole or in part, for any reason or if sufficient funds have not been appropriated to cover the estimated requirement of the Services not yet performed, by providing Proposer with sixty (60) days notice specifying the termination date. On the date specified, this Agreement will end. If this Agreement is terminated by the City, as provided herein, the City shall pay the Proposer only for

services performed up to the date of termination. After the termination date, Proposer has no further contractual claim against the City based upon this Agreement and any payment so made to the Proposer upon termination shall be in full satisfaction for Services rendered. Proposer shall deliver to the City all finished and unfinished documents, studies and reports and shall become the property of the City.

7. Miscellaneous Provisions.

a. Illinois Freedom of Information Act. The Proposer acknowledges the requirements of the Illinois Freedom of Information Act (FOIA) and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.

b. Entire Agreement. This Agreement, along with the documents set forth in Section 1 and incorporated by reference elsewhere in this Agreement, with consent of the parties, represents the entire agreement between the parties with respect to the performance of the Services. No other contracts, representations, warranties or statements, written or verbal, are binding on the parties. This Agreement may only be amended as provided herein.

c. Consents and Approvals. The parties represent and warrant to each other that each has obtained all the requisite consents and approvals, whether required by internal operating procedures or otherwise, for entering into this Agreement and the undertakings contemplated herein.

d. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be an original, but all of which shall constitute one and the same instrument.

CITY OF AURORA, ILLINOIS

(Contractor)

SIGNATURE

Jolene Coulter

FULL NAME

DATE SIGNED

Director of Purchasing

TITLE

SIGNATURE

Thomas Gill

FULL NAME

DATE SIGNED

President

TITLE