



▶ 2363 Sequoia Drive | Suite 101
Aurora, IL 60506
Main 630.553.7560 + **Fax** 713.965.0044
▶ HRGREEN.COM

December 20, 2024

Pete Faberbock, PMP
Village of Orland Park
Public Improvement Technician
15655 S. Ravinia Ave
Orland Park, IL 60462

▶ **Re: 2025 NRIP – Neighborhood Road Improvement Program**

Dear Mr. Faberbock,

HR Green is pleased to submit our proposal to the Village of Orland Park (Village) for Phase III engineering services for the 2025 Neighborhood Road Improvement Program (NRIP) Project. We would greatly appreciate the opportunity to continue to showcase our abilities and commitment to the Village. HR Green has the expertise to deliver the 2025 NRIP Project for the following reasons:

Proven Technical Capabilities and Qualifications – HR Green holds all required Illinois Department of Transportation (IDOT) prequalification's and is an industry leader with a proven track record of successfully completing municipal projects on time, within budget, and in accordance with Village and IDOT requirements.

Key Personnel – HR Green's proposed **Project Manager, Chris Lirot, P.E.**, has over 30 years of municipal engineering experience, with a deep history of completing similar sized resurfacing programs for several nearby villages. Chris has extensive experience assisting local agencies and municipalities in projects that range from complex highway improvements to annual road programs. HR Green has been managing Orland Park's Neighborhood Resurfacing Improvement Program since 2022. HR Green plans to utilize our **Resident Engineer, Bob Banach** again for the 2025 NRIP project which will involve a zero-learning curve for our team, the Village staff, and the contractors. Bob has worked on Orland Park projects for the last two years and is familiar with the Village's expectations. Bob is a civil engineering graduate from Bradley University and has proven to be the right fit for this project. The anticipated schedule for this project will be March 2025 through September 2025 with construction spanning approximately five months. HR Green will provide support to our RE with an additional construction inspector as the workload increases beginning mid-project. Our Team will be onsite during all aspects of the construction process providing oversight on the Village's behalf.

Proximity – HR Green's offices in New Lenox and Aurora provide staff and resources within a close distance to the Village and have a trustworthy reputation with many municipalities in and around Orland Park.

Oversight and Compliance – All HR Green construction staff are certified in IDOT Documentation of Contract Quantities and IDOT QA Material courses offered through Lakeland College. They will efficiently and accurately complete the necessary documentation and provide the proper oversight for this project to protect the Village's financial investment.



PROJECT UNDERSTANDING

HR Green understands that the Village is seeking an engineering consultant to provide construction engineering services for the Orland Park 2025 NRIP Project. The Village will be utilizing the same contractor as last year for the resurfacing project with the anticipated start of construction by early April 2025. The Village is requesting a full-time RE to manage this project. HR Green has reviewed the plans and specifications and is very familiar with city-wide annual road programs. We are utilizing the same project team from 2024 who fully understand the Village's expectations for project layout, HMA surface removal and replacement, sidewalk and curb & gutter removal and replacement, pavement patching, HMA resurfacing and other related improvements. Bob Banach has a thorough understanding of the proposed project improvements, works well with village staff, experience to anticipate the next construction phase, and has excellent communication skills to coordinate with the Village, contractor, and residents.

We have noted that the Village intends to select a firm by the scheduled Village Board Meeting in January 2025 with preconstruction activities beginning in March. Our Team can meet this schedule.

PROJECT APPROACH

Our Team's experience working on Road Programs have found delivering advanced notification to the affected property owners and residents will get the project started on the right track. We will set up files and spreadsheets to track project quantities and locations, perform construction layout, track contractor activities, and provide superior construction oversight which is critical for success.

Our Team knows the importance of stakeholder coordination and is comfortable with regularly communicating with the Village staff, residents, and local businesses during the project. Bob will maintain accurate records, track the contractor's progress, and quantify completed work. They will utilize their expertise and skills while following these key tasks to deliver a successful project:

PREPARING FOR THE PROJECT:

- Review plans, details, and special provisions
- Set up files to track quantities and daily progress
- Attend and prepare minutes for the pre-construction meeting
- Review the proposed contractor schedule
- Update the Village emergency communication plan
- Perform construction layout
- Complete pre-measurements prior to the start of construction

CONSTRUCTION ADMINISTRATION:

- Shop drawing and submittal reviews
- Review the contractor's weekly look ahead schedule
- Provide layout for work that is anticipated from the contractor's schedule
- Communicate with Village staff to discuss assignments and contractor progress
- Address resident concerns and questions



- Conduct bi-weekly construction progress meetings and prepare meeting minutes
- Be onsite before work begins and at the end of the day to secure all material tickets
- Daily traffic control and protection inspections
- Weekly erosion control inspections
- Assist with scheduling QA Testing as needed
- Review job site conditions and observe construction
- Record daily measurements, quantities, and project diaries
- Provide up-to-date quantities
- Preparation of pay estimates and change orders
- Compare field calculated quantities to delivered quantities and check all yields
- Maintain project records and reports

PROJECT CLOSEOUT:

- Perform final inspections and provide final punch-lists to contractor
- Calculate final quantities and agree to quantities with contractor
- Prepare final pay estimate
- Update the Village GIS maps

HR Green truly appreciates the opportunity to present our qualifications and we are eager to continue our partnership with the Village of Orland Park on this important community project. Thank you for your thoughtful consideration.

HR Green's construction engineering fee totals: \$320,000.

Sincerely,

HR GREEN, INC.

A handwritten signature in black ink that reads 'Kevin J. Berry'.

Kevin J. Berry, PE
Construction Area Manager



Construction Engineering Assumptions:

1. Contract Award = March 3, 2025.
2. Construction Engineering anticipated from March 17, 2025 to September 1, 2025 (24 weeks / 120 days)
3. Punchlist and project close out (10 days)
4. Construction Weekly Mtgs are included within the full day for RE
5. Construction Project Manager weekly visits
6. GIS & Survey Services
7. QA Material Testing provided by Village's consultant (separate contract)



Chris Lirot, PE

Project Manager

Chris joined HR Green Construction Practice in 2019 after 32 years of serving the City of Aurora, its residents, and its businesses as the City's Road & Bridge Coordinator for the Department of Engineering. During his time with the City of Aurora, Chris was responsible for overseeing various road and bridge projects including street reconstructions, the annual resurfacing program and bridge rehabilitation projects. He provided plan review and design guidance; worked closely with IDOT Local Roads; secured Federal Highway Funds; and communicated with stakeholders throughout the design and construction process. Chris oversaw an aggressive bridge replacement program that included replacing 12 bridges in a 12-year period. He also led Aurora's annual street maintenance programs that included resurfacing over 50 lane miles of streets and the city-wide patching and sidewalk replacement programs with total expenditures that typically exceeded over \$7 million of Motor Fuel Taxes and local funds.

EXPERIENCE

37 Years

EDUCATION

BS, Civil Engineering -
BSCE, University of Illinois
1987

REGISTRATION / LICENSE

Professional Engineer, IL,
062-049305, 1994

Illinois Bridge Inspector,
Inspector ID: 00046

SPECIALIZED TRAINING & CERTIFICATIONS

Illinois Bridge Inspector,
Program Manager

Illinois Bridge Inspection
Calibration Class,
12/9/2020

NHI-130055 Safety
Inspection of In-Service
Bridges, 2/2/1990

IDOT Documentation of
Contract Quantities, Cert.
21-18269

SELECTED PROJECT EXPERIENCE

▷2022 Road Program (Phase II/III) – City of Plano, IL – Project Manager

Chris provided design and construction oversight for Plano's citywide resurfacing program. Project consisted of \$500,000 in various road projects throughout the city. Chris developed strategies to reduce the project costs and complete the work in a timely manner.

▷Village of Hanover Park, IL – Assistant Village Engineer

Chris was asked to assist the Village of Hanover Park due to an open position at the village. He worked closely with the Village Engineer and staff to prepare plans and specs to complete several 2022 projects before year end. Chris also assisted staff as needed and worked with the street department to implement traffic control on a posted bridge. He also began working on street selections for their 2023 Resurfacing projects.

▷2021 MFT Citywide Resurfacing – City of Aurora, IL – Project Manager

HR Green provided on-site construction inspection for the Aurora's \$5.5 million project that included over 36 lane miles of resurfacing.

▷2021 Road Program (Non-MFT) – City of Plano, IL – Project Manager

Project includes full-time construction observation services for the 2021 Non MFT Road Improvements Project including various streets throughout the City of Plano, IL. Chris prepared plans, specifications and estimate of cost for this \$450,000 resurfacing project. The project was expedited to ensure completion in a timely manner.

▷2021 Road Program (Rebuild Illinois Funds) – City of Plano, IL – Project Manager

This project includes curb and gutter removal and replacement, sidewalk removal and replacement, hot-mix asphalt surface removal, pavement patching, resurfacing and striping on various streets throughout the City of Plano. Chris prepared plans, specifications and cost estimate for Plano's Rebuild Illinois Funded Road Program that included resurfacing over 3 miles of city streets at a cost of \$620,000. Chris worked closed with the city to select the best construction methods to resurface tar & chip

Chris Lirot, PE (Continued)

Project Manager

streets. He submitted plans to IDOT for their approval and oversaw bidding and contract approval. Chris inspected and monitored all aspects of construction. The project was expedited and completed on time and under budget with minimal impacts to residents.

► **ATC Enhancement Project (Phase III) – City of Aurora, IL – Construction Engineer**

HR Green provided Phase III construction engineering services that included pre-construction activities, measuring and verification of quantities, and pay items, utility coordination and conflict resolution, resident engineer services, maintain daily record of contractor activities, meetings and public notifications, and interactions, QA/material testing, traffic control inspection, as-built surveys as requested, preparations and submission of forms for payment, changes orders, record and report, and other appurtenant activities associated with construction engineering.

Chris assisted with the Resident Engineering services including construction inspection, quantity measurement, documentation, progress meetings, daily reports, material inspection, traffic control inspection, erosion reports and coordination with City of Aurora and other agencies.

OTHER EXPERIENCE

► **City of Aurora, IL – Road and Bridge Coordinator**

Annual City-Wide Resurfacing Project – Chris managed Aurora's annual program from budgeting, street selections, preparing plans, specifications, estimate of cost, completing contract documents; oversaw all aspects of construction including monitoring contractor, city staff and consultants assisting with construction supervision. Chris worked closely with staff and elected officials for over 30 years and developed plans, standards and special provisions for a successful maintenance program. Aurora resurfacing program was one of the largest in the state and annually included resurfacing 40 to 60 lane miles of city streets at costs that exceeded \$5 million each year.

E New York Street (Welsh Drive – Commons Drive), Eola Road (Montgomery Road – Keating Drive), Indian Trail (Church Road – Farnsworth Avenue) – Chris managed these major roadway reconstruction projects. His work included working closely during all phases of Engineering to successful complete these projects. Chris managed securing Federal funds, agreement approvals, attending progress meetings, conflict resolutions and change order approvals. His worked also included jobsite visits, monitoring budgets and IDOT coordination.

Indian Trail Bridges (2015), Downer Place Bridges (2012), Illinois Avenue Bridges (2008) – Chris oversaw all engineering phases of these major bridge rehabilitation projects including securing Federal bridge funds and leading agreement approvals for these multi-year projects. His work involvement included plan review, utility relocations, right-of-way acquisitions and regular meetings with stake holders. Chris worked closely with consultants to manage the design and construction costs to effectively complete these projects within budget and on-time.



Robert Banach

Construction Inspector

Bob has over 30 years of experience in the supervision and inspection of construction projects to ensure that they are built according to plans, contract specifications and departmental policies and procedures. His experience includes resolving disputes in construction activities, contract provisions, public concerns and complaints. He reviews and approves contract submittals and is knowledgeable in all aspects of contract administration, including CMMS, documenting quantities for progress and final payment, material inspection, and closeout of contracts.

SELECTED PROJECT EXPERIENCE

► 94th Ave Resurfacing – Village Orland Park, IL – Resident Engineer

Construction improvements included HMA milling and resurfacing, spot curb and gutter repair, sidewalk ADA ramp installation, thermoplastic pavement markings, and related improvements along 94th Ave from northern joint of 159th to 151st St. radius return in the Village of Orland Park.

► 2024 Neighborhood Road Improvement Program – Village of Orland Park, IL – Resident Engineer

Construction improvements included HMA milling and resurfacing, pavement patching, curb and gutter replacement, sidewalk replacement meeting ADA standards, GIS data acquisition, pavement markings and landscape restoration. The resurfacing project included improvements along various street segments within the Village. The NRIP included resurfacing of municipal roadways at a construction cost of \$5 million. Extra coordination was completed with neighborhood associations to minimize disruptions in weekly garbage collection as well as with the Orland Park School District to ensure safe access for the walking children and school bus pickup/drop off.

► Collins Road Extension Construction Engineering – Kendall County Highway Department – Construction Inspector

HR Green is performing the Phase III resident engineering and inspection which was let through the Illinois Department of Transportation (IDOT), District 3. All construction is being performed in accordance with the Standard Specifications for Road and Bridge Construction, IDOT Highway Standards, approved plans, and special provisions. This project includes the extension of Collins Road on new alignment for approximately 1.8 miles, as well as 1.0 mile of the re-alignment of Minkler Road. Project includes two newly constructed roundabouts, drainage improvements, reconfiguration of existing roads, mass grading, HMA pavement and the construction of a new double box culvert at Morgan Creek. HR Green is responsible for coordinating with the County, IDOT Materials & IDOT Bureau of Bridges and Structures. The \$12.1 million project started in May 2023 and is expected to be completed in April 2025.

EXPERIENCE

33 Years

EDUCATION

BS, Civil Engineering,
Bradley University - 1991

SPECIALIZED TRAINING & CERTIFICATIONS

ILDOT Certified
Documentor of Contract
Quantities 22-19537

Contract Administration

Avoidance & Handling
Construction Contract
Claims

BDE Regulated Substance,
Construction Projects &
Special Provisions

Concrete Superstructures

Concrete Structures

Piling

Steel Structure
Construction Inspection

Structural Fasteners

Bridge Joint Construction

Small Drainage Structures

Inspection and Installation
of RCP

Robert Banach (Continued)

Construction Inspector

► Various/Variou Construction Engineering (PTB 199-21) – IDOT D3 – Construction Inspector

As a subconsultant, HR Green performed Phase III engineering services for various projects in District 3 involving route and seal, patching, traffic signals, landscaping, milling and resurfacing, bridge repair and replacement, concrete pavement, and pavement marking. Services included onsite inspection, engineering layout, verification of contractor staking, maintain documentation, submit pay estimates, and change orders.

► Eldamain Road Corridor – River Road to High Point Road (Fox River Bridge) – Kendall County Highway Department – Construction Inspector

HR Green performed the Phase III resident engineering and inspection which was let through the IDOT District 3. All construction was performed in accordance with the Standard Specifications for Road and Bridge Construction, IDOT Highway Standards, approved plans, and special provisions. This project included the extension of Eldamain Road on new alignment and includes the construction of a new 8-span steel girder bridge over the Fox River. The project included new traffic signals, a newly constructed roundabout, drainage improvements, reconfiguration of existing roads, mass grading, PCC pavement, and the construction of a new bridge.

► IL 17 Bridge Replacement and Roadway Improvements, Herscher, IL (PTB 196-028) – Illinois Department of Transportation – Resident Engineer

HR Green provided resident engineering and construction inspection services on behalf of IDOT District 3 for the \$4.5 Million IL 17 bridge and roadway improvement project. This work consisted of removing the existing bridge in stages and reconstructing the single span bridge from the ground up. The bridge included precast concrete beams and a 15" cast in place bridge deck which was fully reinforced with reinforcement bars. In addition to the bridge replacement approximately 0.5 miles of roadway was resurfaced and re-profiled to match into the new bridge elevation. In-stream work took place with proper erosion control measures.

HR Greens services included monitoring and documenting the contractors work to verify the proper materials were installed and that the work was completed in accordance with the plans, contract documents and IDOT specifications. This required HR Green to measure the quantities of completed work, pay estimates, contract authorizations, weekly reports all in accordance with the IDOT Construction Manual and Contract Documents. All evidence of material inspection was in accordance with the IDOT Project Procedures Guide prior to issuing payment HR Green assisted IDOT with all CMMS entries and reporting. This project was completed at the end of 2022.

► Illinois Route 47 from Caton Farm Road to Sherril Road – Illinois Department of Transportation – Assistant Resident Engineer

This project included the reconstruction of 7 miles of roadway consisting of adding two lanes in each direction on IL-47, new median, and outside and inside paved shoulders, also culvert work and new traffic signals, beginning at Sherrill Road and continuing north to Caton Farm Road in Kendall County.

SPECIALIZED TRAINING & CERTIFICATIONS (CONTINUED)

PCC Pavement Inspection

ADA/PROWAG

Hot Mix Asphalt Inspection

Bituminous Concrete Field
Inspection

Earth Excavation and
Embankment

Standard Earth Density

Erosion Control

Pavement Patching

Radiation Safety & Density
by the Nuclear Method

As Assistant Resident Engineer, Bob was responsible for coordinating IDOT staff, inspection, testing, and documentation of all contract quantities using IDOT's documentation software. He coordinated staging, utility adjustments, observed and accurately documented concrete structures, embankment construction and testing, new subbase, storm sewer, BAM, full depth concrete paving, traffic signals, landscaping restoration, striping, and punch list items, as well as performed correspondence, authorizations, pay estimates, and final documentation/closeout. He coordinated inspections, documentation, and final acceptance.

OTHER FIRM EXPERIENCE

▶ **US 45 / US 52, Bourbonnais, Bradely, and Kankakee, IL (Contract 66J63) - Illinois Department of Transportation – Resident Manager**

Project consisted of three (3) miles of milling and resurfacing, pavement patching, utility adjustments, traffic signal upgrades, new ADA ramps, and pavement markings (2020).

▶ **I-57 Pavement Crossovers(Contract 66K44) - Illinois Department of Transportation – Resident Manager**

Project consisted of construction of two permanent PCC jointed pavement crossovers on I-57 (2020).

▶ **I-55 at Reed Road (Contract 66K25)- Illinois Department of Transportation – Resident Manager**

This \$4M project consisted of the construction of two permanent PCC jointed pavement crossovers, 8 1/2" HMA milling and resurfacing of mainline pavement for 1 mile and 4 1/2" HMA milling and resurfacing of Reed Road interchange. Also included earthwork, ditch grading, high-tension cable median barrier, pavement markings, and erosion control. All work was performed under the guidelines of a smart traffic control system. (2019)

▶ **IL 47 Resurfacing in Morris and IL 170 in Seneca (Contract 66J66) - Illinois Department of Transportation – Resident Manager**

Intermittent milling and resurfacing of IL 47 in Morris and IL 170 in Seneca. Included utility adjustments, ADA ramps, traffic signal upgrades and pavement markings. (2019)

▶ **I-80 Patching and Shoulder Repair (Contract 66K11) - Illinois Department of Transportation – Resident Manager**

Project consisted of PCC patching and shoulder repair on I-80. (2019)

IL 47 Reconstruction in Grundy and Kendall Counties (Contract 66B83, 66B84) - Illinois Department of Transportation – Resident Manager

This \$86M project was 11.5 miles in total length. Included in the project was over a million cubic yards of earth work, PCC jointed pavement to cover four lanes and adjacent turn lanes, PCC shoulders, aggregate subgrade improvement, HMA stabilized subbase, removal and replacement of two bridges, 17 box culverts, installed over 500 drainage structures, 10 miles of storm sewer and water main, 11 miles of combination curb and gutter, PCC medians, PCC sidewalks with ADA ramps, new traffic signals and street lights at various locations, guardrail and high-tension cable median barrier upgrades, pavement markings, sodding and 188 acres of seeding. (2014-2019)

▷ **I-57 / IL 50 Interchange (Contract 66409) - Illinois Department of Transportation – Resident Manager**

This \$36M reconstruction included inspection, documentation, and approved of over 250 thousand cubic yards of earthwork. Robert trained subordinates in documentation and field inspection. (2012-2013)

▷ **I-55 bridge over the Norfolk Southern Railroad (Contract 66856) - Illinois Department of Transportation – Resident Manager**

Project consisted of removal and replacement of two, three span bridges on I-55 over the Norfolk Southern Railroad. Also included embankment, HMA shoulders, PCC patching, resurfacing, guardrail and pavement markings. (2010)

▷ **I-55 Patching, Livingston County (Contract 66B37, 66B39) - Illinois Department of Transportation – Resident Manager**

Class A patching on I-55 in Grundy and Livingston County.

▷ **I-55 Lighting (Contract 66A64) - Illinois Department of Transportation – Resident Manager**

Removal and erection of new light towers for exit 197 and 201 on I-55 near Pontiac.