



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

February 21, 2024

Michelle Heslin
Village of Orland Park
Public Improvement Technician II
15655 S. Ravinia Ave
Orland Park, IL 60462

▶ **Re: Orland Hills Road & Ditch Reconstruction**

Dear Ms. Heslin,

HR Green is pleased to submit our Proposal to the Village of Orland Park (Village) for Phase III engineering services for the Orland Hills Road & Ditch Reconstruction 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 2024 Orland Hills Road & Ditch 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 the Village and IDOT requirements.

Key Personnel – HR Green's proposed **Project Manager, Kevin Berry, P.E.**, has over 20 years of construction management experience while working at HR Green. Kevin has extensive experience assisting local counties and municipalities in projects that range from complex highway improvements to annual road programs. Mr. Berry has most recently been managing Orland Park's 2022 - 2023 Neighborhood Resurfacing Improvement Programs. HR Green's proposed **Resident Engineer (RE), Bob Banach**, had a full career at IDOT District 3 as a resident engineer working on a wide array of roadway projects including several drainage and ditch improvement projects. Bob was the RE for Orland Park's 94th Avenue project last year. Bob is a civil engineering graduate from Bradley University and is the right fit for this project. The anticipated schedule for this project will be April 2024 through September 2024 with construction spanning approximately six months. HR Green will provide support to our RE with an additional construction inspector as the workload increases 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 to 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 Hills Road & Ditch Reconstruction Project. This project had a scheduled letting on February 16, 2024 with the Village award anticipated on March 4, 2024. The Village is requesting a full-time RE to manage this project. HR Green has reviewed the plans and specifications and is familiar with these types of drainage improvement projects. Our inspection team will include project lay out, HMA surface removal and replacement, isolated curb and gutter removal and replacement, pavement patching, proof-rolling inspection, drainage structure improvements, landscape restoration, pavement markings, irrigation system repairs, and incidental items of work. The RE will have a thorough understanding of the proposed project improvements, works well with others, have a capacity to anticipate the next construction phase, and have 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 on March 4, 2024. Our Team can meet this schedule.

PROJECT APPROACH

Our Team's experience working on residential drainage improvement projects 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. Our Team 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

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

HR Green's construction engineering fee totals: \$256,500.00.

Sincerely,

HR GREEN, INC.

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

Kevin J. Berry, PE
Construction Project Manager



ORLAND PARK - ORLAND HILLS ROAD & DITCH IMPROVEMENT PROGRAM
CONSTRUCTION ENGINEERING SERVICES MAN-HOUR AND FEE

Task Descriptions	Regional Director	Project Manager	Resident Engineer	Asst. Resident Engineer	Survey Professional	GIS Tech	Administrative Assistant	Total Hours
CONSTRUCTION ENGINEERING SERVICES								
A. Project Start-up and Review	2	4	24					30
B. Construction Inspection			1080	320				1400
C. Administration/Coordination							12	12
D. Progress Meetings at Village		40						40
E. Project Close-out	2		24					26
Total Hours								1508
Subtotal Fee								\$249,000.00
I. Sub-Consultant for Pre-Construction Videos								\$7,500.00
Total Fee								\$256,500.00

Construction Engineering Assumptions:

1. Contract Award = March 20, 2023
2. Construction Engineering anticipated from April 15, 2024 to November 15, 2024 (31 weeks / 155 days)
3. Punchlist and project close out (5 days)
4. Construction Weekly Mtgs are included within the full day for RE
5. Construction Project Manager weekly visits
6. Survey & GIS Asbuilt Files
7. Pre-Construction Videos to be completed by others
8. QA Material Testing provided by Village's consultant



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

▷ 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

EXPERIENCE

32 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

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

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.

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.