

AMENDMENT No. 1

THIS AMENDMENT NO. 1 IS MADE AND ENTERED INTO THIS ____ DAY OF _____, 2025 BY AND BETWEEN THE NORTHWESTERN INDIANA REGIONAL PLANNING COMMISSION, HEREINAFTER REFERRED TO AS “LPA” AND LOCHMUELLER GROUP, INC. HEREINAFTER REFERRED TO AS “CONSULTANT”.

W I T N E S S E T H

WHEREAS, the LPA and CONSULTANT did on June 11, 2025 enter into an Agreement to provide services for the Marquette Greenway - West Gary Phase Des. No. 2400062, and

WHEREAS, LPA requested the continuation of the Project which includes full design and Right-of-Way services for the trail portion, and

WHEREAS, the LPA desires the CONSULTANT to provide the services, and

WHEREAS, the CONSULTANT has expressed an interest in providing the additional required services, and

WHEREAS, in order for the CONSULTANT to provide the additional services, it is necessary to amend the original agreement, and

NOW, THEREFORE, it is agreed by and between both parties that the original agreement be amended as follows:

I. Section IV Compensation on page 1 or 17 is modified as follows:

SECTION IV COMPENSATION. The LPA shall pay the CONSULTANT for the Services performed under this Contract as set forth in Appendix “D” which is herein attached to and made an integral part of this Contract. The maximum amount payable under this Contract shall not exceed **\$2,792,240.00.00**.

II. 1.0 Project Management of Appendix “A” is hereby deleted in its entirety and hereby replaced in its entirety with the following:

1.0 PROJECT MANAGEMENT

1.1 Phase 2A shall include all project management through approximately 40%/Preliminary Field Check level design. The tasks include:

1.1.1 Facilitate and attend up to two (2) project meetings with the LPA and other interested agencies during Route Study Phase.

1.1.2 Prepare project status reports and invoices.

- 1.1.3 Perform general project coordination and overall management of the consultant design team.
- 1.1.4 Attend status meetings every other week.
- 1.1.5 Facilitate and attend up to six (6) project meetings with the LPA and other interested agencies per year for a total of up to twelve (12) meetings.
- 1.1.6 Coordinate with stakeholders including but not limited to the following:
 - City of Gary
 - City of Hammond
 - Northern Indiana Commuter Transportation District
 - Save the Dunes
 - The Nature Conservancy
 - Shirley Heinze Land Trust
 - Northern Indiana Public Service Company
 - Canadian National Railroad
 - Indiana Department of Transportation
 - Indiana Toll Road
 - Indiana Department of Natural Resources
 - Indiana Department of Environmental Management
 - Lake County Highway Department

1.2 Phase 2B shall include all project management through the remainder of the project and includes the following tasks:

- 1.2.1 Prepare project status reports and invoices.
- 1.2.2 Perform general project coordination and overall management of the consultant design team.
- 1.2.3 Attend status meetings every other week.
- 1.2.4 Facilitate and attend up to six (6) project meetings with the LPA and other interested agencies per year for a total of up to twelve (12) meetings.
- 1.2.5 Coordinate with stakeholders including but not limited to the following:
 - City of Gary
 - City of Hammond
 - Northern Indiana Commuter Transportation District
 - Save the Dunes
 - The Nature Conservancy

- Shirley Heinze Land Trust
- Northern Indiana Public Service Company
- Canadian National Railroad
- Indiana Department of Transportation
- Indiana Toll Road
- Indiana Department of Natural Resources
- Indiana Department of Environmental Management
- Lake County Highway Department

1.3 Refer to Section V Item 1.0 of Appendix “D” for details.

III. Items 4.0 Thru 18.0 of Appendix “A” are added as follows:

4.0 TOPOGRAPHIC SURVEY

4.1 Provide a topographic survey along a section of the proposed Marquette Trail in Lake Co., Indiana. Survey limits are generally described as follows:

- The limits of the area for the topographic survey start approximately 850 feet south of the intersection of US 12/SR 912/Cline Ave. with I-90 and extend northward approximately 1,600 feet along the western side of US 12/SR 912/Cline Ave. to a point approximately 750 feet north of the intersection of US 12/SR 912/Cline Ave. with I-90, extending outward from the US 12/SR 912/Cline Ave. western edge of shoulder a varying width of 80 - 160 feet on the western side of US 12/SR 912/Cline Ave.
- The limits of the area for the topographic survey start at the intersection of US 12/SR 912/Cline Ave. with the NICTD Railroad and extend eastward approximately 5,800 feet along the southern side of the NICTD Railroad to a point approximately 50 feet east of Hamlin St., extending outward from the southernmost rail of the NICTD Railroad a varying width of 40 - 100 feet.
- The survey limits have 12,830 feet of ally, sidewalk and road corridor along 2nd Ave from Harlan St to 3rd Ave, along 3rd Ave from 2nd Ave to 4th Ave, the north half of 4th Ave from 3rd Ave to Bridge Street, and both sides of Bridge Street from 4th Ave to 107 Bridge Street.
- The topographic survey data will be combined into an electronic 3D CAD drawing with a contoured surface model with one-foot contours, associated break-lines and topographic features.

4.2 The topographic survey shall include the location and elevation of all visible features, including but not limited to building corners and overhangs, paved and gravel surfaces, guardrail, posts, fences, gates,

driveways, field entrances, sidewalk surfaces, individual trees (except limits only of heavily wooded areas), shrubs, landscaping areas, signs, poles, posts, manholes, risers, valves, meters, pits, etc.

- 4.3 Research affected property owners, obtain mailing addresses, and send survey notices to all.
- 4.4 Locate utilities within the project area using observed evidence along with the "Indiana 811" service.
- 4.5 Establish a horizontal datum of INGCS Lake County coordinate system by using terrestrial traverse observations and GPS static observations incorporating the "INCORS" network.
- 4.6 Establish a vertical datum of NAVD88 by using GPS static observations and a bench level circuit.
- 4.7 Follow the safety guidelines of the NICTD Railroad for access on their property to conduct the topographic survey.
- 4.8 Set horizontal control points and vertical benchmarks with references.
- 4.9 Provide utility contact list.
- 4.10 Provide an electronic CAD drawing containing one-foot contours, topographic survey linework and surface model. CAD file shall be AutoCAD, Civil 3D format.
- 4.11 Provide Survey field book in PDF format.
- 4.12 Provide a Location Control Route Survey and Plat No. 1 as part of the survey task and draft in CADD and include in the RW Plans. Final survey files will be checked for completeness and organized in CADD.

5.0 ENVIRONMENTAL DOCUMENTATION

- 5.1 Environmental Services - conduct an environmental analyses and develop the appropriate level of National Environmental Policy Act (NEPA) documentation for the project. The funding source of the project, RAISE Grant, precludes the need for oversight by the Indiana Department of Transportation (INDOT). Although INDOT Environmental Services will not be involved in document review, NEPA documentation will be in accordance with the INDOT/Federal Highway Administration (FHWA) environmental procedures as determined by the anticipated project impacts. The environmental services required to develop these services shall be in accordance with the *Procedural Manual for Preparing Environmental Documents* (2008) and the most recent *INDOT Categorical Exclusion Manual* (February 2021). The tasks to be performed shall include the following items.

- 5.1.1 Task Organization/Coordination – Perform management and coordination activities associated with the preparation of the required environmental work, including client coordination, preparation of progress reports, and oversight of budget and schedule. This task assumes work will be completed over a 24-month period and approximately two hours per month will be required for the management and oversight of the subtasks below.
 - 5.1.1.1 Client / Subconsultant Contract Coordination – Perform all file management, review of project budget, and coordination of subconsultant work with the environmental task.
 - 5.1.1.2 Identify Property Owners and Mail Notice of Entry for Survey or Investigation Letters – Coordinate with the surveyor to ensure the notices include the appropriate verbiage to cover environmental field activities.
 - 5.1.1.3 Progress Reports – Assist in the preparation of up to 24 monthly progress reports (through environmental approval) to be provided to the Project Manager. Additional effort will be involved with permit status updates through permit issuance.
 - 5.1.1.4 Client / Design Coordination Meetings - prepare for and attend two coordination meetings. These are assumed to include one project kick off meeting held virtually, and one preliminary field check meeting held in-person, on-site. Representation at these meetings will be by one member of the environmental team. Additional meeting attendance may require an amendment to this Agreement.
- 5.1.2 Wetland Delineation / Waters of the U.S. Investigation – Complete an updated wetland delineation and Waters of the U.S. investigation for the survey area (maximum 25 acres). This task includes the following:
 - 5.1.2.1 Field Inspection – Perform a field inspection by two environmental specialists to delineate waterway and wetland resources during the active growing season. This task also includes four hours of preparation and mobilization for field work and field work is anticipated to be completed in two 10-hour days. This task will also

include one inspection of up to three bridges and large culverts (36 inches or greater in diameter).

5.1.2.2 Report Development – Prepare a Wetland Delineation / Waters of the U.S. Report for the survey area (25 acres) to determine the presence of wetlands and other aquatic resources that are regulated by the U.S. Army Corps of Engineers (USACE) and/or the Indiana Department of Environmental Management (IDEM). The Wetland Delineation / Waters of the U.S. Report will include the location of wetlands or waterways and coordination with the design engineers regarding avoidance alternatives for the proposed project. The Wetland Delineation will be prepared in accordance with the *USACE Wetland Delineation Manual* (1987) and guidance provided by the USACE since 1991, including the appropriate *Regional Supplement to the Corps of Engineers Wetland Delineation Manual*.

5.1.3 NEPA Documentation - conduct environmental analyses and develop the appropriate level of National Environmental Policy Act (NEPA) documentation for the project in accordance with INDOT environmental procedures as determined by the anticipated project impacts. A CE-4 is anticipated for this project due to anticipated right-of-way acquisition from a Section 4(f) resource, which will prompt an anticipated *de minimis* finding. The environmental services required to develop this project shall be in accordance with the *Procedural Manual for Preparing Environmental Documents* (2008) and the most recent *INDOT Categorical Exclusion Manual* (February 2021). The tasks to be performed shall include the following items.

5.1.3.1 Field Inspection – Perform a limited field inspection. The field inspection shall include a survey by one environmental specialist to gather photographs to utilize within the early coordination letter. This task also includes two hours of preparation and mobilization for field work and field work is anticipated to be completed in one 8-hour day.

5.1.3.2 Red Flag Investigation (RFI) – Conduct an RFI for the project. Include a preliminary analysis of publicly available infrastructure, environmental, hydrological, and cultural resources data within 0.5 mile of the project area. The RFI will be prepared in accordance with the INDOT Site Assessment & Management (SAM) guidance (2024).

5.1.3.3 Early Coordination – Develop early coordination packages (including letters, general location mapping, Red Flag

Investigation maps, and photographs) and distribute to the appropriate resource agencies listed in the most recent INDOT Early Coordination List (May 2025).

5.1.3.4 CE-4 Documentation – Prepare for approval and distribution of the appropriate level of environmental documentation. The project is currently scoped as a CE-4 due to the potential involvement with a Section 4(f) resource. This scope includes a single revision of the CE document to address any comments provided by FHWA or the designated Program Management Consultant, BF&S. The need for public involvement certification by FHWA is anticipated for this project, as the thresholds for significant ROW acquisition (more than 0.5 acre) is anticipated to be exceeded. This task includes updating the CE-4 following the completion of the public involvement requirements. Additionally, the CONSULTANT shall prepare the commitments summary spreadsheet for the project following approval of the CE-4 and coordinate it with the appropriate personnel. This scope does not include the development of an Environmental Assessment (EA) or other higher level NEPA document.

5.1.3.5 USFWS Coordination

5.1.3.5.1 IPaC Documentation – Complete the Range-wide Programmatic Informal Consultation process with the U.S. Fish and Wildlife Service (USFWS). It is anticipated that the project will not remove any trees beyond 100 feet from the existing edge of pavement or existing rail line and the effect finding for the endangered Indiana bat and northern-long eared bat species will be “May Affect – Not Likely to Adversely Affect.” If at any point it is determined that tree clearing will be required beyond 100 feet from the existing edge of pavement or existing rail line, additional coordination and mitigation will be required. The services required to complete this additional coordination will be considered out of scope and additional or supplemental services will be required.

5.1.3.5.2 Bridge/Structure Assessments – The original Bridge/Structure Assessment shall be completed as part of the Wetland Delineation/ Waters of the U.S. Field Inspection task. Since the original inspections to be complete in 2026 will only be

valid for two years, this task will include a follow-up field inspection of up to three bridges and large culverts (36 inches or greater in diameter) within the project area for bat and bird usage including the preparation of the appropriate number of USFWS Bridge/Structure Assessment Forms. This task assumes the follow-up inspection will occur no more than two years prior to construction. Should the preparation of additional Bridge/Structure Assessment Forms be required, the services required to complete these additional forms will be considered out of scope and additional or supplemental services will be required.

5.1.3.5.3 Endangered Piping Plover Coordination – It is anticipated that Standard Informal coordination with USFWS will be required to determine the appropriate Section 7 documentation for this project. It is assumed that impacts will be minimal in nature and not require a species presence/absence survey. If it is determined by USFWS or FHWA that a Presence/Absence Survey and/or a Biological Assessment (BA) will be required, then these additional investigations and reports will be considered out of scope and additional or supplemental services will be required.

5.1.3.5.4 Other Proposed Endangered, Proposed Threatened, and/or Candidate Species Coordination – No effort is included as part of this task. The whooping crane and monarch butterfly may occur in the area. The whooping crane is listed as endangered wherever found, except where listed as an experimental population. The whooping crane is listed as an experimental population in this location. The monarch butterfly is identified as a proposed threatened species. If any of these species shall be listed during project development, then any additional habitat surveys and USFWS coordination would be considered out of scope and additional or supplemental services will be required.

5.1.3.6 Section 4(f) / 6(f) Documentation

5.1.3.6.1 Section 4(f) Documentation - Prepare the

appropriate Section 4(f) documentation for use of the Cline Avenue Nature Preserve (IDNR owned property), including consultation with the Official with Jurisdiction (OWJ). It is anticipated the project will require a de minimis Section 4(f) evaluation. This task also includes effort toward publication a legal notice soliciting public input on the intended Section 4(f) finding. If consultation with FHWA indicates an individual Section 4(f) evaluation is necessary, additional or supplemental services will be required to develop and evaluate potential avoidance alternatives, determine whether any alternatives are feasible and prudent, and analyze impacts from identified avoidance alternatives, as required for individual Section 4(f) evaluations.

5.1.3.6.2 Section 6(f) documentation – As there are no known Section 6(f) properties within the project area at the time this scope was prepared, it is not anticipated that Section 6(f) documentation will be required. No effort is included as part of this task.

5.1.4 Section 106 Consultation – Due to the anticipated scope of the project and funding involved, full Section 106 consultation will be required. Section 106 consultation and documentation will proceed in accordance with federal law (36 CFR Part 800). This will include the following tasks.

5.1.4.1 Area of Potential Effects (APE) Delineation and Field Inspection – Upon review of preliminary design information, the CONSULTANT will formulate an APE, which will define the limits of the survey for aboveground resources that are listed or determined eligible for inclusion in the National Register of Historic Places (NRHP). The APE may extend beyond the defined survey limits. A Historian-Section 106 Specialist, who meets the Secretary of the Interior’s Professional Qualification Standards as per 36 CFR Part 61, shall complete this aboveground field inspection documenting properties rated as Contributing, Notable, and Outstanding. As part of this task, it is assumed up to eighteen (18) undocumented aboveground resources that potentially merit a Contributing rating or higher are present within the project area or APE and will require recordation. The effort for this task also includes mobilization and demobilization.

- 5.1.4.2 Cultural Resources Report – Prepare the necessary documentation supporting Cultural Resources clearance as part of the environmental review requirements. The Cultural Resources Report will provide the results of the archival research and field investigation and include a narrative portion and appropriate mapping and photographs of the project area. As part of this task, it is assumed up to eighteen (18) undocumented aboveground resources that potentially merit a Contributing rating or higher are present within the project area or APE and will require recordation.
- 5.1.4.3 Phase Ia Archaeological Investigation – It is anticipated that work will occur within undisturbed soils and archaeological clearance we be required. The CONSULTANT shall review the archaeological report that is prepared prior to submission to the State Historic Preservation Officer (SHPO). It is assumed for the purposes of Metric’s proposal that approximately two-thirds of the project area will require STP survey, and that no more than 270 STPs will be needed. It will take a crew of three archaeologists four days to complete the fieldwork. The remaining portion of the project area is either disturbed and will only require visual inspection. It is also anticipated that no archaeological sites will be recorded or relocated and that only an Archaeological Short Report will be required for reporting the results. This report will summarize results of the literature review, will document results of fieldwork, and provide a summary of the natural and cultural setting of the project area.
- 5.1.4.4 Consulting Party Coordination – Prepare a list of potential consulting parties that will be invited to participate in the Section 106 process. This task includes the preparation of an early coordination letter that will be distributed to consulting parties. The ECL will introduce the Section 106 undertaking, define the APE, summarize the Cultural Resources Report and Phase Ia Archaeological Investigation, and introduce the project impacts upon any identified NRHP-eligible resources.
- 5.1.4.5 Effects Finding/800.11 Documentation – Prepare the appropriate level of effects documentation for the project. It is anticipated the project will result in a finding of “No Adverse Effect.” Effort for this task also include necessary coordination with State Historic Preservation Officer (SHPO) regarding potential effects to identified historic

properties. The final effects documentation shall be reviewed and signed by FHWA and distributed among consulting parties. In addition, this task includes the preparation of a public notice advertising the opportunity for the public to comment on the effects finding and will include coordinating the publication with the appropriate newspaper. Should it be determined that the project will result in a finding of "Adverse Effect," additional services will be required to complete the Section 106 process. These additional services will be considered out of scope, and additional or supplemental services will be required to complete the required consulting parties coordination and/or the preparation of a Memorandum of Agreement (MOA).

6.0 PUBLIC INVOLVEMENT

The project will meet the minimum requirements for public involvement due to the anticipated right-of-way required (more than 0.5 acre). The effort to satisfy the public involvement requirements will adhere to the most recent version of the INDOT Project Development Public Involvement Procedures Manual (2021). This task includes the following:

6.1 Legal Notice - Prepare a legal notice advertising the opportunity for a public hearing. Review of the notice, prior to its publication, will be coordinated with FHWA. The CONSULTANT will coordinate publication of the legal notice with the newspaper of general circulation for the project area. Arrangements will be made for a two-time publication over the course of 15 days. The cost for this advertisement is included as a direct cost. In addition, The CONSULTANT will compile a mailing list of property owners, agencies, and locally elected officials and mail a copy of the notice each entity identified on this list. This task involves collecting and responding to comments submitted by those receiving the legal notice. Suitable responses must be provided prior to seeking certification of the public involvement process by FHWA.

6.2 Public Information and Stakeholder Meetings - Assist in meeting preparation and attendance at up to three meetings.

6.2.1 Meeting Preparation – Prepare for the public and stakeholder meeting by supplying pertinent information to the Northwestern Indiana Regional Planning Commission (NIRPC) and their Program Management Consultant, BF&S. The CONSULTANT shall also assist in developing graphics pertaining to environmental related aspects of the project.

6.2.2 Meeting Attendance – Prepare for and attend with two staff at a total of three public information and stakeholder meetings.

7.0 DESIGN AND PLANS

- 7.1 Prepare plans, specifications, opinions of probable construction costs and other required submittal documentation for the project at each submittal stage, which shall be in accordance with the accepted standards for such work and in accordance with the following documents in effect at the time the plans or reports are submitted:
- INDOT Local Public Agency Project Development Process Guidance Document for Local Federal-Aid Projects (dated March 2022),
 - INDOT Standard Specifications, Design Memoranda and Indiana Design Manual (IDM), except as modified by supplemental specifications and special provisions, if any,
 - INDOT Standard Drawings,
 - American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets,
 - AASHTO Guide for the Development of Bicycle Facilities,
 - AASHTO Roadside Design Guide,
 - Indiana Manual on Uniform Traffic Control Devices (IMUTCD).
- 7.2 Plan Submittals: Prepare necessary information and submit plans at each development stage in accordance with the INDOT Local Public Agency Project Development Process Guidance Document for Local Federal-Aid Projects and the Indiana Design Manual. Each submission shall be transmitted to NIRPC via Email. Final Tracings will be submitted to INDOT via EMRS after approval by the LPA. Plan submittals shall be as follows:
- Stage 1 Review Submission/Bridge Rehabilitation Report/Bridge Preventive Maintenance Meetings
 - Preliminary Field Check Plans/Preliminary Field Check Meeting
 - Stage 2/Right-of-Way Plans
 - Stage 3 Review Submission
 - Final Tracings - The Final Tracings submission shall be provided in Adobe Acrobat .pdf format and shall include:
 - Final Tracing Plans drawn to a suitable scale on standard 24" x 36" sheets,
 - Complete set of Special Provisions,
 - Opinion of probable construction cost,
 - All design computations, indexed, page numbered and bound.
- 8.0 STRUCTURE DESIGN AND PLAN DEVELOPMENT
- 8.1 Rehabilitation of Existing Railroad Bridge

- 8.1.1 Develop plans for a Bridge Preservation project, in accordance with the requirements of the Indiana Design Manual (IDM), Sections 14-2.05 and 14-1.02(04).
- 8.1.2 Complete a full inspection of the bridge. Facilitate right-of-entry permits, and traffic control, as needed to perform inspection.
- 8.2 Boardwalk Adjacent to Nature Preserve
 - 8.2.1 Develop plans for a New Bridge Construction project, in accordance with the requirements of the Indiana Design Manual (IDM), Sections 14-2.04 and 14-1.02(04).
 - 8.2.2 Boardwalk is anticipated to be approximately 500' in length and may include a landing or observation area.
- 8.3 Underpass at US 12/SR 912/Cline Avenue Bridge
 - 8.3.1 Develop retaining wall drawings to facilitate trail underneath the existing US 12/SR 912/Cline Ave over Indiana Toll Road and NICTD Bridge.
 - 8.3.2 Coordinate with the Indiana Toll Road regarding the retaining wall specifications and design.
- 8.4 Boardwalk Adjacent to NICTD Right-of-Way
 - 8.4.1 Develop plans for a New Bridge Construction project, in accordance with the requirements of the Indiana Design Manual (IDM), Sections 14-2.04 and 14-1.02(04).
 - 8.4.2 Boardwalk is anticipated to be approximately 200' in length over poor soils.
- 8.5 New Bridge over CN Railroad
 - 8.5.1 Develop plans for a New Bridge Construction project, in accordance with the requirements of the Indiana Design Manual (IDM), Sections 14-2.04 and 14-1.02(04).
 - 8.5.2 Prepare Mechanically Stabilized Earth (MSE) wall details or approach boardwalk details.
 - 8.5.3 Coordinate with CN regarding Railroad Review.
 - 8.5.4 Bridge is anticipated to be a single span prefabricated pedestrian structure over the existing CN Tracks with a structure length of approximately 125 feet.
- 8.6 Preventive Maintenance on Lake County Bridge 382
 - 8.6.1 Develop plans for a Bridge Preservation project, in accordance with the requirements of the Indiana Design Manual (IDM), Sections 14-2.05 and 14-1.02(04).

8.6.2 Coordinate with Lake County Highway regarding the Bridge Scope of work and Typical section.

9.0 TRAIL DESIGN AND PLAN DEVELOPMENT

The Trail will generally consist of a 10-foot wide concrete path with 2-foot wide earth shoulders on each side.

9.1 Prepare detailed drainage design for the project, based upon the typical section that is selected.

9.2 Prepare a Maintenance of Traffic plan for the project.

9.3 Prepare details of non-standard roadway items to be included on detail sheets with the project plans.

9.4 Determine the need for Level 1 Design exceptions that will be required during the project development. If required, necessary documentation to request a formal Level 1 Design Exception will be completed as part of the project.

9.5 Prepare a pavement design for the trail. The pavement design shall be made for HMA pavement. The pavement design analysis shall be performed using the MEPDG approach (AASHTOWare Pavement ME) in accordance with the INDOT Design Manual.

9.6 Prepare sign and pavement marking design and detail to be included in the project plans.

10.0 UTILITY COORDINATION

Have an INDOT certified Utility Coordinator perform utility coordination services in accordance with 105 IAC 13, IDM Chapter 104, INDOT Accommodation Policy, and FHWA Program Guide: Utility Relocation and Accommodation on Federal Aid highway Projects. Utility coordination is included for coordination with up to sixteen (16) utilities. Specific tasks for this utility coordination include the following:

10.1 Perform the requirements of IAC 13-3-1, including the identification and documentation of utility stakeholders within the Project Limits; and prepare and distribute all required utility correspondence.

10.2 Prepare and send a letter to each affected utility requesting verification of the information shown in the project plans.

10.3 Prepare and send each utility a set of preliminary plans and request that the utility identify conflicts with their facilities. Perform conflict analysis and consider design alternatives to avoid or minimize impacts to utility facilities. Develop utility conflict matrix.

10.4 Coordinate and obtain SUE Quality Levels B, C, and D for the project limits. Include the SUE data in project deliverables, plans, and coordination efforts. Coordinate to acquire SUE QLA information as needed.

- 10.5 Send each utility a set of preliminary final plans and request utility work plans, assist in the development of the work plans, and review the work plans for the identified facilities within the project area.
- 10.6 Recommend work plans for approval including narrative portion and relocation drawing.
- 10.7 Draft utility reimbursable agreements and submit to the utility and LPA for approval. Review and verify easement documentation. Review and approve utility cost estimates. Review utility relocation costs and confirm if the relocation meets the waiver requirements of the Build America Buy America law.
- 10.8 Present all project reports necessary for project delivery such as status reports and risk reports.
- 10.9 Lead or facilitate any meetings involving utility specific activities such as kick-off meetings, conflict resolution meetings and reimbursement eligibility meetings.
- 10.10 Develop a Utility Master Relocation Plan and prepare a Utility Relocation Schedule if relocations are required.
- 10.11 Prepare and sign utility special provisions, utility certification, and all other required contract letting documents.
- 10.12 Conduct post letting coordination services to include tracking utility relocations, answering utility related questions, and in person or virtual attendance at construction progress meetings.
- 10.13 Before the Ready for Contracts date, deliver to the LPA a work plan for each utility within the area of the project. A work plan includes narrative and drawing. Opinion of probable cost and easement documents will be provided, as applicable. The work plans shall be delivered even if utility facility relocations are not required.
- 10.14 Upload the following items for all utilities within the area of the project:
 - Utility relocation work plan
 - Utility special provision
- 10.15 Act as a liaison between utility companies and the LPA, answering questions, interpreting plans, coordinating activities, and other actions as needed.
- 11.0 SUBSURFACE UTILITY ENGINEERING
 - Cause or cause to be made subsurface utility engineering.
 - 11.1 Cause or cause to be made subsurface utility engineering (SUE) services in an attempt to identify existing subsurface utilities (minus exclusions stated below and hereafter referred to as underground utilities). Limits are

defined as a corridor with the railroad right of way being the north boundary and the road right of way defining the south boundary.

11.2 The work will be conducted in accordance with the Construction Institute (CI)/American Society of Civil Engineers (ASCE) Standard 38-02, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data. This document is the standard upon which SUE is conducted, defining the service as:

- The specialty practice of civil engineering's Utility Engineering branch that includes the investigation, analysis, judgment, and documentation of existing Utility networks. SUE is a type of a Utility Investigation that includes underground networks and scoped aspects of aboveground networks that results in the assignment of achieved Utility Quality Levels to nonvisible Utility Segments and Utility Features.

11.3 Records Research - Quality Level D

Conduct utility records research to assist in identifying utility owners that may have facilities on or be affected by the project. Applicable utility owner records will be requested, responses will be documented, and record information will be compiled. Designating staff will review records for indications of additional available records, duplicate information, and a need for clarifications by utility owners.

11.4 Incorporate Above Ground Features - Quality Level C

Identify surface features on the topographic plan and ground surface that are surface appurtenances of existing subsurface utilities. If records and features do not agree, further record review and field reconnaissance will be undertaken to resolve discrepancies. Work will incorporate Quality Level D findings.

11.5 Designating and Marking - Quality Level B

Utilize the suite of geophysical equipment in each vehicle to attempt to designate the utilities identified in the Project Overview within the area(s) of interest. Quality Level B services for this project include:

11.5.1 Obtain permits from city, county, or other municipalities to allow work in streets, roads, or rights-of-way.

11.5.2 Utilize normal traffic control, including standard placement of traffic cones, freestanding warning signage and vehicle-mounted traffic directional sign.

11.5.3 Designate and mark underground utilities within the project limits using an appropriate suite of surface geophysical methods. Equipment that may be utilized includes:

- Radiodetection - RD8100, Metrotech Vivax vLoc3-Pro, and Metrotech Vivax VM
- Acoustic - ULTRA-TRAC® Acoustic Pipe Locator
- GPR - Single and/or Dual Frequency
- Magnetic locators
- Rodders, Sondes (transmitters) and Receivers for non-conductive utility detection, other than electric

11.5.4 Mark the utilities at maximum 50-foot intervals and at changes in direction.

11.5.5 Attempt to locate water lines, force mains, and other non-tonable utilities using ground penetrating radar. If successful, these utilities will be marked as Quality Level B. If unsuccessful, these utilities will be marked Quality Level D. If appropriate, Test Holes may be recommended to establish the precise location for design.

11.5.6 Mark each utility run with the appropriate surveying code and number for each mark. This will be noted on the field sketch for use by the surveyor and our quality control staff.

11.7 Survey markings, and any other pertinent information, as is reasonably ascertainable, indicate the presence of a utility. Horizontal data will be held to the accuracies and precision dictated by the project's survey control.

11.5.8 Plot survey data on base plans using AutoCAD platforms.

11.6 Exposing/Locating - Quality Level A

Quality Level A services will include performing an estimated 15 test holes to establish the exact location and elevation of critical utilities that may conflict with future construction. Use minimally intrusive excavation techniques that protect the integrity of the utilities in question, and that of other lines that may be encountered. The test hole will be excavated using air and/or water assisted vacuum excavation equipment intended for this purpose. The excavation procedure will include:

11.6.1 Clear the Test Hole area of surface debris.

11.6.2 In paved areas, neatly cutting and removing existing pavement. Cut shall not exceed 225 square inches unless otherwise approved.

11.6.3 Excavate the Test Hole utilizing the above-described equipment. The nominal diameter will not exceed 15 inches unless otherwise

approved. Care will be taken to avoid damaging lines, wrappings, coatings, cathodic protection or other protective coverings and features. Hand digging will be conducted to the extent necessary to supplement the vacuum excavation process.

11.6.4 Expose the utility only to the extent required for identification and data collection purposes.

11.6.5 Store excavated material for re-use or disposal at an approved location near the project, as appropriate.

11.6.6 Data collected from the Test Hole will be recorded on a standard Test Hole Data Sheet. The location will be shown on the drawing. Data will include:

- Utility owner (if known)
- Top and/or bottom elevation of the utility relative to an above ground mark to a vertical accuracy of +/- 0.05 feet.
- Field sketch showing horizontal location referenced to a minimum of two physical structures existing in the field.
- Approximate centerline bearing of utility.
- Outside diameter of pipe, width of duct bank, and configuration of multi-conduit systems.
- Utility structure material composition, when reasonably ascertainable.
- Other pertinent information.

11.6.7 Site restoration will include:

11.6.7.1 Replace bedding material around exposed utility lines.

11.6.7.2 Backfill and compact the excavation using a steel tamper bar in one-foot lifts.

11.6.7.3 As applicable, provide permanent pavement restoration within the limits of the original cut using materials, compaction, and pavement thickness similar or equal to that found.

11.6.7.4 For excavations in unpaved areas, restore disturbed area, to the extent practical, to reflect pre-existing conditions.

11.6.7.5 Furnish and install permanent surface marker (e.g., P.K. nail, peg, steel pin, or hub) directly above the centerline of the utility.

11.6.7.6 Survey the test hole marker.

11.7 Utilities designated will not include the following:

- 11.7.1 Storm and sanitary sewer mains or laterals (except metallic force mains),
- 11.7.2 Non-accessible empty conduits or empty utilities,
- 11.7.3 Vault or manhole limits/ dimensions,
- 11.7.4 Irrigation, fountain or sprinkler systems,
- 11.7.5 Underground storage tanks and associated piping/wiring,
- 11.7.6 Traffic loop detectors,
- 11.7.7 Utility tunnels,
- 11.7.8 Traffic control/signalization related power and communications,
- 11.7.9 Illumination wiring,
- 11.7.10 Railroad signalization,
- 11.7.11 Grounding grids,
- 11.7.12 Grease traps and associated piping,
- 11.7.13 Septic tanks and distribution boxes, drain fields or abandoned wells.
- 11.7.14 Electronic depths is not included in this proposal.

12.0 RAILROAD COORDINATION

Have an INDOT certified Railroad Coordinator perform railroad coordination services in accordance with all state and federal laws and IDM Chapter 105. Coordinate and assist with the development of agreements with Norfolk Southern, Conrail, Canadian National, and Chicago South Shore and the LPA. Develop the agreements and Special Provision for review and approval by the railroad to then include in the contract documents. Railroad coordination will consist of:

- 12.1 Determine impacts to the Railroad facilities and/or operations. Coordinate and communicate anticipated scope of work for all RR-related activities to include a sketch showing concept for proposed improvement project.
- 12.2 Identify all railroad stakeholders, including the owning and operating railroad companies.
- 12.3 Initiate contact with RR Public Project Engineer early in the planning/scoping stage of the project.
- 12.4 Initiate early engagement with the railroad to determine applicable permitting requirements.
- 12.5 Create and maintain a master correspondence log.
- 12.6 Utilize the railroad portals to submit plans for review.
- 12.7 Submit preliminary engineering (“concept”) plans to Railroad for review.
- 12.8 Arrange and attend diagnostic field check with Railroad’s general engineering consultant (GEC).

- 12.9 Coordinate any right-of-entry agreements and insurance requirements for any project parties requiring access to Railroad property (e.g. survey, inspection, geotechnical investigations, utility locates, etc.).
- 12.10 Prepare and submit design plans that comply with railroad specifications, including:
- Submit 30%, 60%, and 100% Plans for review by Railroad and coordinate design responses to review comments.
 - Trail crossing details.
 - Construction methodologies and railroad impact mitigation strategies.
 - Develop and maintain a construction schedule that aligns with railroad availability and restrictions.
 - Assist in securing flagging services and track protection agreements as required.
 - Arrange pre-construction meetings with railroad representatives to review safety protocols and work sequencing.
 - Ensure compliance with railroad safety regulations, including worker training and equipment clearances.
- 12.11 Act as a liaison between railroad companies and the LPA.
- 12.12 Serve as the primary point of contact between the project team and the railroad company.
- 11.13 Schedule and facilitate meetings with railroad representatives to discuss project scope, design considerations, and permitting requirements.
- 12.14 Maintain a communication log of all correspondence, meeting notes, and action items.
- 12.15 Review Railroad Force Account Estimate (FAE) detailing anticipated reimbursable costs incurred by Railroad during construction (e.g. construction engineering, accounting, flagging services, communication changes, signal and electrical changes, track work, relocations or modifications to Railroad fiber optic communications facilities).
- 12.16 Provide contractor with all applicable and approved special provisions, insurance requirements, and right-of-entry agreement forms for construction.
- 12.17 Arrange and facilitate a project specific preconstruction “kick-off” meeting with Railroad and other stakeholders.

13.0 LIGHTING DESIGN

Perform lighting design services related to the implementation of new decorative bridge rail and/or non-decorative bridge underpass lighting equipment within the

functional limits of the proposed project areas noted below, located within the City of Gary, Indiana:

13.1 Bridge Railing Lighting on Existing Railroad Bridge – implementation of new decorative bridge rail lighting equipment along existing railroad turned pedestrian bridge structure adjacent to US 12/SR 912/Cline Ave. for the proposed Marquette Greenway facility, which would cross Interstate 90 (I-90).

- The project limits where proposed lighting facilities will be required only include areas on the proposed pedestrian bridge structure itself (approximately 600 lineal feet). Therefore, the implementation of proposed lighting facilities beyond the aforementioned limits of the proposed pedestrian bridge structure will not be required for this project.
- Decorative street lighting will be pedestrian scale only and inset within proposed bridge railings. Therefore, implementation of pedestrian pole assemblies atop or outside of the proposed bridge structure will not be required.
- Temporary lighting plans are not included in this scope of work.

13.2 Underpass Lighting at US 12/SR 912/Cline Ave. – implementation of new non-decorative bridge underpass lighting for the proposed Marquette Greenway facility that would cross beneath US 12/SR 912/Cline Ave. south of the NICTD Railroad.

- The project limits where proposed underpass lighting facilities will be required only include areas underneath US 12/SR 912/Cline Ave. (approximately 100 lineal feet). Therefore, the implementation of proposed lighting facilities beyond the aforementioned limits of the US 12/SR 912/Cline Ave. underpass will not be required for this project.
- The Proposed underpass lighting will be pedestrian scale only and attached to existing concrete substructure units for the existing US 12/SR 912/Cline Avenue bridge structure.
- Temporary lighting plans are not included in this scope of work.

13.3 Underpass Lighting at 4th Ave. - implementation of new non-decorative bridge underpass lighting to illuminate the proposed Marquette Greenway facility crossing beneath 4th Avenue.

- The project limits where proposed underpass lighting facilities will be required only include areas underneath 4th Avenue

(approximately 100 lineal feet). Therefore, the implementation of proposed lighting facilities beyond the aforementioned limits of the 4th Avenue underpass will not be required for this project.

- Proposed underpass lighting will be attached to existing concrete substructure units for the existing 4th Avenue bridge structure.
- Temporary lighting plans are not included in this scope of work.

- 13.4 Develop a lighting model utilizing Acuity Visual software to determine appropriate light pole locations, meeting average and average: minimum illumination thresholds. The INDOT design manual will be utilized for reference relative to these thresholds for the respective project corridors.
- 13.5 Prepare Preliminary Field Check Plans and attend the Preliminary Field Check Meeting in accordance with Section 14-2.08(02) of the Indiana Design Manual.
- 13.6 Prepare Stage 3/Final Field Check Review Submission in accordance with Section 14-2.08(03) of the Indiana Design Manual.
- 13.7 Prepare Final Tracings Submission in accordance with Section 14-2.08(05) of the Indiana Design Manual.

14.0 GEOTECHNICAL INVESTIGATION

Cause or cause to be made a geotechnical investigation.

- 14.1 Mark/stake the test locations based on the drawings, accessibility and after discussing with the design team.
- 14.2 Notify Indiana-811- the one call center to mark all existing utilities within the public areas.
- 14.3 Obtain a total of two (2) pavement cores from the existing Bridge Street. All core samples will be photographed and logged. Average thickness of the core samples will be determined and recorded provided the core samples remain intact. An evaluation of the core samples will be performed based on visual observation. Results will be presented in a summary report.
- 14.4 Advance an estimated total of forty-eight (48) borings. Two (2) bridge borings to a depth of 100 ft, or auger refusal, whichever occurs first, thirteen (13) boardwalk borings to a depth of 50 ft, and thirty-three (33) trail borings extended to a depth of 10 ft below the present ground surface. Based on the drilling schedule, the project will involve a total drilling of up to 1,180 linear ft. If auger refusal is encountered above the planned depth, a 10 ft long rock core sample will be collected from each location.

- 14.5 Obtain three (3) continuous Split-spoon samples below the surficial cover and then at 2½ ft to 5 ft intervals for laboratory analysis. Standard Penetration Tests (SPT) values will be recorded for each split spoon sample. The soil borings will be performed in accordance with the applicable AASHTO standards.
- 14.6 Make groundwater observations during, and immediately after drilling at all borings. Collect groundwater level readings at four (4) locations after about 24 hours from completion of the drilling.
- 14.7 Backfill all boreholes in accordance with Indiana Department of Transportation (INDOT) Aquifer Protection guidelines and patched. Excess cuttings (if any) will be distributed at the site.
- 14.8 Perform limited laboratory testing on representative soil samples to determine its classification and understand strength, compressibility and other engineering characteristics of subsurface materials.
- 14.9 Perform an engineering analyses utilizing the results of field exploration and laboratory tests. Present a written report in formulation of recommendations signed by a registered professional engineer.
- 15.0 BID PHASE SERVICES
 - 15.1 Upload Unique Special Provisions to INDOT's Unique Special Provision SharePoint Site for incorporation into the Contract Information Book (CIB).
 - 15.2 Upload Final Tracings Submittal to ERMS.
 - 15.3 Address any INDOT comments on Final Tracings Submittal documents.
 - 15.4 Review the CIB prepared by INDOT.
 - 15.5 Review and respond to Contractor questions submitted during bidding.
- 16.0 CONSTRUCTION PHASE OFFICE SERVICES
 - 16.1 Attend one Pre-construction Conference with the responsible agent(s) of the LPA and the contractor.
 - 16.2 Review shop drawings.
 - 16.3 Make services available to the LPA during construction of the work for the interpretation of the plans where disagreement may arise and for consultation during construction in the event unforeseen or unusual conditions may arise.
 - 16.4 Attend up to eight (8) construction progress meetings.
- 17.0 RIGHT-OF-WAY ENGINEERING

Prepare final right-of-way plans, title research, legal descriptions, route survey plats or right-of-way parcel plats, and other materials to be used in the acquisition of right-of-way. Provide the following services for up to thirty-three (33) parcels:

- 17.1 Title Research: Prepare a documented title search covering an interval of time including one valid transfer of fee title beyond a twenty-year period from the date of the search. The title search shall include all liens (taxes, mortgages, easements, recorded judgments, etc.) and any encumbrances against the property found to be of record.
- 17.2 Right-of-Way Engineering: Prepare a legal description, right-of-way parcel plat and other materials to be used in the acquisition of right-of-way in accordance with the Right-of-Way Engineering Procedure Manual and in accordance with Indiana Administrative Code 865 IAC 1-12, ("Rule 12"). Right-of-Way plans will be created from the trial plans to be used for appraising and buying.
- 17.3 Right-of-Way Staking: Set stakes at right-of-way break points, and at intermediate points as necessary, to allow visual inspection of the right-of-way line, if necessary, to delineate the location of the proposed permanent and temporary right-of-way line(s) for the benefit of the property owner, the appraiser, and the buying agent.
- 17.4 Management and Supervision
 - 17.4.1 Be responsible for administering, scheduling, and coordinating the following activities necessary to certify that the right-of-way has been acquired and the project is clear for construction letting: meetings, conferences, and communications with the Property Owner(s), the Relocatee(s), the Attorney(s), the Engineer(s), the Appraiser(s), the Buying Agent(s), the Relocation Agent(s), the Indiana Department of Transportation (INDOT), and the Federal Highway Administration (FHWA).
 - 17.4.2 Deliver documentation to LPA so that LPA may make all arrangements to record the conveyance documents, deliver payment to each property owner, and/or to file for condemnation.
 - 17.4.3 Provide LPA with executed conveyance documents (suitable for recording) and a close out file for each parcel secured through negotiations per the Real Estate Division manual.
 - 17.4.4 Provide LPA with a recommendation for condemnation for each parcel referred to LPA for condemnation per the Real Estate Division manual.
- 17.5 Appraisal Problem Analysis
 - Prepare an Appraisal Problem Analysis for each parcel in accordance with the current Indiana Department of Transportation's Real Estate Division Manual at the time the services are provided. The Appraiser performing

said work shall be a licensed appraiser in the State of Indiana and an approved Review Appraiser for INDOT.

18.0 PERMITTING

18.1 Environmental Permits - Due to the potential impacts to jurisdictional waters, prepare the necessary Environmental Permits for the project. Prepare the USACE Section 404 Nationwide Pre-Construction Notification, IDEM Section 401 Water Quality Certification Nationwide Permit, and the IDEM Construction Stormwater General Permit in accordance with current guidelines.

18.1.1 Environmental Permitting Management / Coordination – Manage and coordinate activities associated with the preparation of the require permit applications, including client and designer coordination.

18.1.2 USACE Section 404 Nationwide Pre-Construction Notification and IDEM Section 401 Water Quality Certification Nationwide Permit– Complete the USACE Nationwide Pre-Construction Notification and an IDEM Section 401 Water Quality Certification Nationwide Permit. The project is anticipated to impact less than 300 linear feet of streams and/or less than 0.10 acre of water resources. The fee assumes compensatory mitigation will not be necessary for impacts to streams and/or wetlands. This task does not include the completion of any compensatory mitigation services. If during permit application development or during the review of the permit applications compensatory mitigation is determined necessary, a supplemental will be needed to cover the additional cost for adding compensatory mitigation to the permit applications.

18.1.3 IDNR Construction in a Floodway (CIF) Permit – It is anticipated that this project will avoid all impacts to regulatory floodways. Therefore, no effort is included as part of this task. If it is determined impacts will occur within the regulatory floodway and a CIF permit will be required, then additional or supplemental services will be required.

18.2 Construction Stormwater General Permit (CSGP) – Complete the CSGP required for the project, which is expected to impact more than one acre of land. This task includes designing erosion and sediment control measures that meet all IDEM and local requirements, preparation of the Storm Water Pollution Prevention Plan (SWPPP) and compiling of all required documentation for the permit application. In addition, this task

includes completion of the public notice requirements of the CSGP. This task assumes all CAD work will be completed by the project design team; therefore, the scope and fee for the CSGP does not include any CAD time for inclusion of the appropriate BMPs on the design plans. This task does not include any CSGP inspections or completion of the Notice of Termination for this project.

IV. Schedule of Appendix “C” is modified as follows:

SCHEDULE

No work under this Contract shall be performed by the CONSULTANT until the CONSULTANT receives a written notice to proceed (NTP) from the LPA.

All work by the CONSULTANT under this Contract shall be completed and delivered to the LPA for review and approval within the approximate time periods shown in the following submission schedule:

Trail route study memorandum provided within 60 days after receipt of Notice to Proceed.

Topographic Survey within 120 days of NTP

Stage 1 within 120 Days of Topographic Survey

Stage 3 236 days prior to agreed upon letting date

Final Tracings 120 days prior to agreed upon Letting Date.

V. Item 1.0 of Appendix “D” is hereby deleted in its entirety and hereby replaced in its entirety with the following.

1.0 AMOUNT OF PAYMENT

1.1 The CONSULTANT shall receive compensation for providing such professional services under Appendix “A” of this Contract in the amount of a total fee not-to-exceed for Phase 2A and the original Agreement of One Million Two Hundred Sixty-Two Thousand Nine Hundred Seventy Dollars (\$1,262,970.00). Upon written notice to proceed with Phase 2B CONSULTANT shall receive compensation for providing such professional services under Appendix “A” of this Contract in the amount of a total fee not-to-exceed for Phase 2B of One Million Five Hundred Twenty-Nine Thousand Two Hundred Seventy Dollars (\$1,529,270.00). The cumulative total fee not-to-exceed is Two Million Seven Hundred Ninety-Two Thousand Two Hundred Forty Dollars (\$2,792,240.00), unless an amendment to this Contract is executed by the parties that increases the maximum amount payable.

- 1.2 The CONSULTANT shall be paid for the work performed under Items 1.0, 2.0, 4.0, 5.0 (except 5.1.3.5 and 5.1.3.6), 7.0, 8.0, 9.0, 10.0, 12.0, 13.0, 14.9, 15.0, and 18.0 of Appendix “A” of this Contract on a lump sum basis, in accordance with the following lump sum fee schedule:

Task	Description	Original	Phase 2A	Phase 2B
1.2.1	Project Management	\$5,500.00	\$69,000.00	\$147,700.00
1.2.2	Route Study	\$43,300.00		
1.2.3	Topographic Survey		\$228,700.00	
1.2.4	Environmental Documentation		\$95,500.00	
1.2.5	Structural Design and Plan Development		\$415,000.00	\$472,600.00
1.2.6	Trail Design and Plan Development		\$319,520.00	\$331,970.00
1.2.7	Utility Coordination		\$10,000.00	\$36,800.00
1.2.8	Railroad Coordination		\$11,000.00	\$25,600.00
1.2.9	Lighting Design			\$46,100.00
1.2.10	Geotechnical Engineering			\$23,300.00
1.2.11	Permits			\$24,000.00
1.2.12	Bid Phase Services			\$25,300.00
	Total	\$48,800.00	\$1,148,720.00	\$1,133,370.00

- 1.3 The CONSULTANT shall be paid for the work performed under Item 11.0 Subsurface Utility Engineering of Appendix “A” of this Contract for Phase 2B on an hourly and expense rate basis in the amount of \$82,500.00 in accordance with the unit rates in EXHIBIT “1”, attached hereto and incorporated herein by reference.
- 1.4 The CONSULTANT shall be paid for the work performed under Item 14.1-14.8 Geotechnical Investigation of Appendix “A” of this Contract for Phase 2B on a unit rate basis in the amount of \$66,100.00 in accordance with the unit rates in EXHIBIT “2”, attached hereto and incorporated herein by reference.
- 1.5 The CONSULTANT shall be paid for the work performed under Items 5.1.3.5, 5.1.3.6, 6.0, and 16.0 of Appendix “A” of this Contract on an hourly and expense rate basis in accordance with the rates in EXHIBIT “3”, attached hereto and incorporated herein by reference and in accordance with the following hourly fee schedule:

Task	Description	Original	Phase 2A	Phase 2B
1.5.1	USFWS Coordination		\$14,800.00	
1.5.2	Public Involvement		\$19,300.00	
1.5.3	Construction Phase Office Services			\$63,240.00

	Total		\$34,100.00	\$63,240.00
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1.6 The CONSULTANT shall receive payment for Right-of-Way Engineering Services performed under Item 17.0 of Appendix “A” of this Contract based on the specific cost per unit multiplied by the actual units of work performed in accordance with the following schedule:

Task	Description	Original	Phase 2A	Phase 2B
1.6.1	Right-of-Way Engineering (33 parcels @ \$3,115 each)			\$102,795.00
1.6.2	Title Reports (33 parcels @ \$950 each)		\$31,350.00	
1.6.3	Right-of-Way Staking (33 parcels @ \$500 each)			\$16,500.00
1.6.4	Right-of-Way Management (33 parcels @ \$1,410/each)			\$46,530.00
1.6.5	Appraisal Problem Analysis (33 parcels @ \$295/each)			\$9,735.00
1.6.6	Unforeseen Costs (Title Updates, PMR, Etc)			\$8,500.00
	Total		\$31,350.00	\$184,060.00

Except as herein modified, changed, and amended, all terms and conditions of the original Agreement dated June 11, 2025 shall continue in full force and effect.


This Amendment No. 1 increases the not to exceed amount of \$48,800.00 by \$2,743,440.00 to a new not to exceed amount of \$2,792,240.00.

IN WITNESS WHEREOF, the parties have hereunto executed this Amendment No. 1 effective the day and year first above written.

**NORTHWESTERN INDIANA REGIONAL
PLANNING COMMISSION**

LOCHMUELLER GROUP, INC.

Thomas Vander Woude, AICP
Director of Transportation



Jessica J. Clark, PE
Northern Indiana Regional Leader

Attest:

Talaya Jones
Director of Finance



EXHIBIT B – Rate Schedule

STANDARD RATE SCHEDULE
COLUMBUS 2025

Effective January 2025

SURVEY OFFICE PERSONNEL RATES:

Office / Department Manager	\$275.00	per hour
Senior Project Manager / BIM Operations Manager	\$255.00	per hour
Project Manager	\$205.00	per hour
Staff Surveyor	\$165.00	per hour
Phase Manager	\$170.00	per hour
Project Coordinator	\$135.00	per hour
BIM Office Technician III	\$150.00	per hour
BIM Office Technician II	\$125.00	per hour
BIM Office Technician I	\$100.00	per hour
Senior Office Technician	\$115.00	per hour
Office Technician III	\$110.00	per hour
Office Technician II	\$105.00	per hour
Office Technician I	\$100.00	per hour
Project Specialist	\$125.00	per hour
Administration / Clerical Support	\$115.00	per hour

SURVEY FIELD CREW RATES:

Field Ops Manager	\$175.00	per hour
Field Coordinator / Supervisor	\$135.00	per hour
One (1) Person Survey Field Crew	\$115.00	per hour
Two (2) Person Survey Field Crew	\$195.00	per hour
Three (3) Person Survey Field Crew	\$275.00	per hour
Additional Rodperson or Flagperson	\$80.00	per hour

UTILITY ENGINEERING OFFICE PERSONNEL RATES:

Office / Department Manager	\$275.00	per hour
Senior Project Manager	\$255.00	per hour
Project Manager / Senior Engineer	\$215.00	per hour
Staff Engineer	\$180.00	per hour
Phase Manager	\$170.00	per hour
Senior Office Technician	\$115.00	per hour
Office Technician III	\$110.00	per hour
Office Technician II	\$105.00	per hour
Office Technician I	\$100.00	per hour
Project Specialist	\$125.00	per hour



Administration / Clerical Support \$115.00 per hour

UTILITY ENGINEERING FIELD CREW RATES:

Field Ops Manager \$175.00 per hour
Field Coordinator / Supervisor \$135.00 per hour
Field Technician III \$110.00 per hour
Field Technician II \$95.00 per hour
Field Technician I \$90.00 per hour

UTILITY COORDINATION OFFICE PERSONNEL RATES:

Office / Department Manager \$265.00 per hour
Project Manager / UC Manager \$245.00 per hour
Senior Utility Coordinator \$195.00 per hour
Utility Coordinator III \$160.00 per hour
Utility Coordinator II \$140.00 per hour
Utility Coordinator I \$115.00 per hour
Project Specialist \$125.00 per hour
Administration / Clerical Support \$100.00 per hour

UTILITY COORDINATION FIELD CREW RATES:

Senior Utility Construction Engineering Inspector \$175.00 per hour
Utility Construction Engineering Inspector III \$160.00 per hour
Utility Construction Engineering Inspector II \$135.00 per hour
Utility Construction Engineering Inspector I \$125.00 per hour

AERIAL OFFICE PERSONNEL RATES:

Director / Operations Manager \$375.00 per hour
Senior Project Manager \$275.00 per hour
Acquisition Manager \$250.00 per hour
Project Manager \$210.00 per hour
Aircraft Pilot \$225.00 per hour
UAS Pilot \$130.00 per hour
Project Lead / Sr. Office Technician / Sensor Op Lead (SR Tech 3) \$145.00 per hour
Two (2) Person UAS Geo Crew – Unmanned Pilot & Observer \$260.00 per hour
Three (3) Person UAS Crew – Unmanned Pilot & 2 Observers \$390.00 per hour
Photogrammetrist / Project Lead /sensor operator (Tech3) \$135.00 per hour
Acquisition / Calibration / Aerial Triangulation Technician (Tech2) \$120.00 per hour
LiDAR / Photogrammetry/GIS Technician (Tech1) \$105.00 per hour



GIS OFFICE PERSONNEL RATES:

GIS Office Manager	\$300.00	per hour
Director / Operations Manager	\$250.00	per hour
Senior Project Manager	\$175.00	per hour
Project Manager	\$145.00	per hour
Phase Manager	\$135.00	per hour
Registered Landscape Architect	\$275.00	per hour
GIS Office Technician 1	\$100.00	per hour
GIS Office Technician 2	\$110.00	per hour
GIS Office Technician 3	\$125.00	per hour
Field Coordinator	\$115.00	per hour
GIS Field Technician	\$95.00	per hour
IT / Web Administrator	\$210.00	per hour
Programmer / Solutions Architect	\$165.00	per hour
GIS Integrator/Enterprise Specialist	\$325.00	per hour
Administrative / Clerical Support	\$135.00	per hour

SAM EQUIPMENT RATES:

GPS Receiver	\$13.00	per hour
Robotic Total Station S-7	\$20.00	per hour
Robotic Total Station S-9	\$20.00	per hour
SX-10/12	\$55.00	per hour
Tier 1 HDS Scanner (BLK360 & Faro)	\$40.00	per hour
Tier 2 HDS Scanner RTC 360	\$125.00	per hour
Tier 3 HDS Scanner Leica P20, P40, P50	\$72.00	per hour
Trimble x7 Scanner	\$55.00	per hour
Trimble x9 Scanner	\$60.00	per hour
Trimble x12 Scanner	\$125.00	per hour
SLAM Scanners [NaVVis]	\$40.00	per hour
Digital Level	\$30.00	per hour
UTV	\$25.00	per hour
Echo Sounder – Remote Controlled Boat	\$37.00	per hour
Echo Sounder-Sonarmite	\$20.00	per hour
VM810	\$6.00	per hour
RD8000	\$6.00	per hour
vLoc3RTKPro	\$6.00	per hour
IKE-IKE4	\$60.00	per hour
Tool Tracking Equipment (Hans Box & Traxall)	\$13.00	per hour
Weather Station	\$10.00	per hour
Vacuum Excavator Truck (Standard)	\$130.00	per hour
Vacuum Excavator Truck (Hybrid)	\$170.00	per hour
Vacuum Excavator Towed Trailer	\$65.00	per hour



Vacuum Excavator (Canister)	\$5.00	per hour
Magnetometer (EM-61)	\$71.00	per hour
Ground Penetrating Radar (Push Cart)	\$30.00	per hour
GPR Towed (Towed)	\$360.00	per hour
Confined Space Entry Package (CSE)	\$14.00	per hour
Large Rodder	\$13.00	per hour
vCam Push Camera	\$10.00	per hour
All Material Locator (AML PRO)	\$25.00	per hour
Bathymetric Sensor (Fathom)	\$2,500.00	per hour
Riegl VQ 1560II	\$1,300.00	per hour
Riegl 480II or 780I	\$1,000.00	per hour
Mobile Mapping System includes 360° Camera System (Equipment Only)	\$1,000.00	per hour
Mobile Mapping Equipment Stand-by Fee (Equipment Only)	\$200.00	per hour
FLIR Corona 350 with a Quad-Camera Gimbal System	\$300.00	per hour
Oblique HD Camera System – Manned Aircraft	\$30.00	per hour
Video Camera System – Manned Aircraft	\$5.00	per hour
360° Camera System – Terrestrial or Marine Stand Alone	\$100.00	per hour
Helicopter (Turbine Engine Powered)	\$1450.00	per hour
Helicopter (Reciprocal Engine Powered)	\$850.00	per hour
Fixed Wing Twin Engine (Piston)	\$1300.00	per hour
Fixed Wing Single Engine (Piston)	\$750.00	per hour
Fixed Wing Single Engine (Turbine)	\$1400.00	per hour
UAS Autel Devon2 / Mavic / Phantom/ Small Lift TIER 1	\$50.00	per hour
UAS Alta-X / Galaxy / SkyFront Heavy Lift w/ LiDAR TIER 3	\$300.00	per hour
UAS M600 type Inspection Platform TIER 2	\$75.00	per hour
UAV – Phoenix-Astro Lidar	\$140.00	per hour
UAV – Skydio x10	\$13.00	per hour
Geospatial Work Station	\$15.00	per hour
VRS Network	\$4.20	per hour
SL RAT	\$20.00	per hour

Aerial Equipment Fees:

Manned Aircraft fees are incurred at the per hour rate for mobilization and acquisition with point of origin from one of our Airport Bases: Austin, TX; Atlanta, GA; Moore Co, NC and Easton, MD.



OTHER DIRECT RATES:

Lodging/Per Diem*	GSA
Mileage	\$1.20 per mile
Additional Vehicle (plus mileage)	\$20.00 per hour
Environmental Supplies	\$25.00 per day
Recording Fees	At Cost plus 10%
Permitting Fees	At Cost plus 10%
Third-Party Traffic Control	At Cost plus 10%
Metered Water	At Cost plus 10%
Backfill Material	At Cost plus 10%
Spoils Disposal	At Cost plus 10%
Coring	At Cost plus 10%
Document Reproduction	At Cost plus 10%
Records Collection Fees	At Cost plus 10%
All other services not described	At Cost plus 10%

NOTES:

*Per Diem based on GSA rates and may change depending on location and availability of accommodations. This is a general practice and used for estimating purposes.

All holiday, travel, per diem, etc., and all additional items not listed herein shall only be permitted where approved by Company in writing and in advance for any particular project.

Overtime Rates:

The Overtime Rate for Field Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 8 hours per day. The Overtime Rate for Office Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 8 hours per day.

Travel & Subsistence:

EXHIBIT "2"

		<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>	
<u>GEOTECHNICAL FIELD</u>					
1.	Mobilization and field coordination				
	a. SPT Rig	1	each	\$350.00	\$350.00
	b. CPT		each	\$530.00	\$0.00
	c. Mileage	480	mi	\$4.30	\$2,064.00
2.	Truck mounted borings with split spoon sampling				
	a. Standard		ft	\$23.00	\$0.00
7.	Hand or truck soundings				
	a. Standard		ft	\$16.10	\$0.00
9.	Skid mounted borings with split spoon sampling				
	a. Standard (2 @ 100 ft, 13 @ 50 ft, 33 @ 10 ft)	1180	ft	\$37.00	\$43,660.00
	b. Night time		ft	\$45.03	\$0.00
11.	Skid mounted rock core drilling				
	a. Standard		ft	\$47.90	\$0.00
	b. Night time		ft	\$56.16	\$0.00
24.	Set up for borings and machine soundings				
	a. Borings and machine soundings less than 20 ft deep	33	each	\$82.50	\$2,722.50
	b. Rock core borings		each	\$143.50	\$0.00
25.	Additional 2-in. split spoon sampling	82	each	\$24.54	\$2,012.28
27.	3-in. Shelby tube samples	4	each	\$76.54	\$306.16
28.	Bag Samples				
	a. 25-lb sample	1	each	\$61.00	\$61.00
	b. 5-lb sample		each	\$42.33	\$0.00
32.	Railroad expenses			Actual Cost	
33.	Twenty-four hour water levels				\$0.00
	a. Field measurements per borehole				\$0.00
	i. Standard	4	each	\$43.90	\$175.60
	ii. Night time		each	\$57.82	\$0.00
	b. PVC slotted pipe		ft	\$7.00	\$0.00
34.	Borehole backfilling				
	a. 0 to 15 ft				
	i. SPT				
	a. Standard	48	each	\$168.20	\$8,073.60
	b. Night time		each	\$198.20	\$0.00
	b. More than 15 ft				
	i. SPT				
	a. Standard	625	ft	\$8.50	\$5,312.50
	b. Night time		ft	\$10.20	\$0.00
	c. Pavement restoration				
	i. Standard	4	each	\$73.30	\$293.20
	ii. Night time		each	\$102.00	\$0.00
35.	Equipment rental			Actual Cost	
36.	Traffic control				
	a. Flag crew		day	\$885.00	\$0.00
	b. Equipment rental and professional traffic services			Actual Cost	
	c. Flag crew with equipment	1	day	\$1,050.00	\$1,050.00
37.	Centerline surveying			Actual Cost	
38.	Percolation Test				
	a. Granular Soils (A-1, A-2, A-3)		each	\$2,300.00	\$0.00
	b. Cohesive Soils (A-4, A-5, A-6, A-7)		each	\$3,485.00	\$0.00
<u>Sub Total-Geotechnical Field:</u>					\$66,080.84

EXHIBIT "3"

Administrative Assistant	\$ 86.85
3D Visual Design	\$ 135.72
Construction Project Supervisor I	\$ 136.51
Construction Project Supervisor II	\$ 163.88
Construction Engineer I	\$ 121.78
Construction Engineer II	\$ 158.24
Construction Engineer III	\$ 184.05
Construction Inspector I	\$ 101.77
Construction Inspector II	\$ 123.15
Corporate Administrator	\$ 129.77
Engineer Designer I	\$ 111.30
Engineer Designer II	\$ 134.93
Engineer Designer III	\$ 146.84
Engineer Designer IV	\$ 166.73
Engineering Intern I	\$ 107.34
Engineering Intern II	\$ 114.06
Engineering Intern III	\$ 125.21
Engineering Tech I	\$ 81.46
Engineering Tech II	\$ 98.47
Engineering Tech III	\$ 144.65
Environmental Specialist I	\$ 93.34
Environmental Specialist II	\$ 113.52
Environmental Specialist III	\$ 134.26
Environmental Specialist IV	\$ 164.73
Environmental Geologist	\$ 172.40
Environmental Technician II	\$ 104.40
Field/Lab Technician	\$ 84.66
Graphic Designer	\$ 94.58
Historian/Sec 106 Specialist II	\$ 89.10
Historian/Sec 106 Specialist III	\$ 145.67
Historian/Sec 106 Specialist IV	\$ 163.40
IT System Specialist	\$ 186.37
Lead Utility and Railroad Coordinator	\$ 158.37

Project Control Specialist II	\$ 257.35
Professional Surveyor IV	\$ 200.62
Project Engineer I	\$ 138.95
Project Engineer II	\$ 148.71
Project Engineer III	\$ 174.43
Project Engineer IV	\$ 194.54
Project Liason	\$ 164.32
Realty Specialist	\$ 107.53
ROW Services Specialist	\$ 153.81
Senior Appraiser	\$ 179.84
Senior Engineer I	\$ 216.49
Senior Engineer II	\$ 241.76
Senior Transporation Planner I	\$ 188.84
Senior Landscape Architect	\$ 236.28
Landscape Architect I	\$ 137.11
Senior Project Manager I	\$ 223.17
Senior Project Manager II	\$ 253.26
Senior Project Manager III	\$ 259.34
Senior Project Manager IV	\$ 260.80
Student Intern	\$ 67.88
Survey Party Chief II	\$ 114.94
Survey Party Chief III	\$ 135.66
Survey Technician	\$ 82.51
Transporation Planner I	\$ 96.89
Transporation Planner II	\$ 116.18
Transporation Planner III	\$ 134.07
Transporation Planner IV	\$ 175.12
Utility & Railroad Coordinator	\$ 107.53
Utility & Railroad Support	\$ 102.46

Notes: Rates will increase by 3.9% on January 1 or each year

Mileage will be calculated on the then current federal allowable mileage rate





Fee Summary

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

September 2, 2025

TASK	FIRM	FEE TYPE	Phase 1	Phase 2A	Phase 2B*	Phase 2 Fee	Contract FEE
Route Study	Lochmueller Group	Lump Sum	\$43,300	\$0	\$0	\$0	\$43,300
Project Management	Lochmueller Group	Lump Sum	\$5,500	\$69,000	\$147,700	\$216,700	\$222,200
Topographic Survey		Lump Sum	0	\$228,700	\$0	\$228,700	\$228,700
From Cline Ave. Trailhead to Hamlin St.	Lochmueller Group	Lump Sum	0	\$65,300	\$0	\$65,300	\$65,300
From Hamlin St. to Bridge St. Trailhead	First Group	Lump Sum	0	\$150,200	\$0	\$150,200	\$150,200
Location Control Route Survey Plat & Plat No. 1	First Group	Lump Sum	0	\$13,200	\$0	\$13,200	\$13,200
Environmental Documentation (Lump Sum Tasks)	Lochmueller Group	Lump Sum	0	\$95,500	\$0	\$95,500	\$95,500
Environmental Documentation	Lochmueller Group	Lump Sum	0	\$54,500	\$0	\$54,500	\$54,500
Section 106	Lochmueller Group	Lump Sum	0	\$41,000	\$0	\$41,000	\$41,000
Environmental Documentation	Lochmueller Group	Hourly Rate	0	\$14,800	\$0	\$14,800	\$14,800
Public Involvement	Lochmueller Group	Hourly Rate	0	\$19,300	\$0	\$19,300	\$19,300
Structure Design and Plan Development	Lochmueller Group	Lump Sum	0	\$415,000	\$472,600	\$887,600	\$887,600
Rehabilitation of Existing Railroad Bridge	Lochmueller Group	Lump Sum	0	\$132,000	\$138,000	\$270,000	\$270,000
Boardwalk Adjacent to Nature Preserve	Lochmueller Group	Lump Sum	0	\$65,000	\$92,200	\$157,200	\$157,200
Underpass at US 12/SR 912/Cline Ave.	Lochmueller Group	Lump Sum	0	\$40,000	\$26,900	\$66,900	\$66,900
Boardwalk Adjacent to NICTD Right-of-Way	Lochmueller Group	Lump Sum	0	\$48,000	\$75,300	\$123,300	\$123,300
New Bridge over CN Railroad	Lochmueller Group	Lump Sum	0	\$88,000	\$95,000	\$183,000	\$183,000
Lake County Bridge 382	Lochmueller Group	Lump Sum	0	\$42,000	\$45,200	\$87,200	\$87,200
Trail Design and Plan Development		Lump Sum	0	\$319,520	\$331,970	\$651,490	\$651,490
From Cline Ave. Trailhead to Hamlin St.	Lochmueller Group	Lump Sum	0	\$105,000	\$103,700	\$208,700	\$208,700
From Hamlin St. to Bridge St. Trailhead	First Group	Lump Sum	0	\$214,520	\$228,270	\$442,790	\$442,790
Utility Coordination	Lochmueller Group	Lump Sum	0	\$10,000	\$36,800	\$46,800	\$46,800
Subsurface Utility Engineering	Surveying and Mapping	Unit Rate	0	0	\$82,500	\$82,500	\$82,500
Railroad Coordination	Lochmueller Group	Lump Sum	0	\$11,000	\$25,600	\$36,600	\$36,600

Lighting Design	Lochmueller Group	Lump Sum	0	\$0	\$46,100	\$46,100	\$46,100
Bridge Railing Lighting on Existing Railroad Bridge	Lochmueller Group	Lump Sum	0	0	\$16,300	\$16,300	\$16,300
Underpass Lighting at US 12/Cline Ave.	Lochmueller Group	Lump Sum	0	0	\$14,900	\$14,900	\$14,900
Underpass Lighting at 4th Ave.	Lochmueller Group	Lump Sum	0	0	\$14,900	\$14,900	\$14,900
Geotechnical Investigation	AES	Unit Rate	0	0	\$66,100	\$66,100	\$66,100
Geotechnical Engineering	AES	Lump Sum	0	0	\$23,300	\$23,300	\$23,300
Permits	Lochmueller Group	Lump Sum	0	0	\$24,000	\$24,000	\$24,000
Bid Phase Services	Lochmueller Group	Lump Sum	0	0	\$25,300	\$25,300	\$25,300
Construction Phase Office Services	Lochmueller Group	Hourly Rate	0	0	\$63,240	\$63,240	\$63,240
From Cline Ave. Trailhead to Hamlin St.	Lochmueller Group	Hourly Rate	0	0	\$41,400	\$41,400	\$41,400
From Hamlin St. to Bridge St. Trailhead	First Group	Hourly Rate	0	0	\$21,840	\$21,840	\$21,840
Right-of-Way Engineering (33 Parcels @ \$3,115/each)	First Group	Unit Rate	0	0	\$102,795	\$102,795	\$102,795
Title Reports (33 Parcels @ \$950/each)	Courtland Title & Escrow	Unit Rate	0	\$31,350	\$0	\$31,350	\$31,350
Right-of-Way Staking (33 Parcels @ \$500/each)	First Group	Unit Rate	0	0	\$16,500	\$16,500	\$16,500
Right-of-Way Management (33 Parcels @ \$1,410/each)	First Group	Unit Rate	0	0	\$46,530	\$46,530	\$46,530
Appraisal Problem Analysis (33@ \$295/each)	Traynor & Assoc.	Unit Rate	0	0	\$9,735	\$9,735	\$9,735
Unforeseen Costs (Title Updates, PMR, Etc.)	First Group	Unit Rate	0	0	\$8,500	\$8,500	\$8,500

Total Not To Exceed Fee			\$48,800	\$1,214,170	\$1,529,270	\$2,743,440	\$2,792,240
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*Authorization Required for Phase 2B Tasks



Topographic Survey

From Cline Trailhead to Hamlin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION								TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager I	Professional Surveyor IV	Survey Party Chief III	Survey Party Chief II	Survey Party Chief III	Survey Technician	Admin Assistant		
LABOR										
LCRSP & Deed Research										
Travel	2025								0	\$0.00
Survey Notices and Interviews	2025						1	1	2	\$169.36
Deed & Section Corner Reference Research	2025								0	\$0.00
Property & Section Corner Tie-In	2025								0	\$0.00
Property Line Analysis and LCRS Plat Preparation	2025								0	\$0.00
SUBTOTAL: LCRSP & Deed Research		0	0	0	0	0	1	1	2	\$169.36
Horizontal Control										
Re-establish Highway & R.R Baselines	2025								0	\$0.00
Tie-In Survey Baseline and Random Control	2025			24	24				48	\$6,014.40
Network Adjustments & Baseline Calculations	2025					8			8	\$1,085.28
Stake Out Primary Baseline	2025								0	\$0.00
Stake Out S-Lines	2025								0	\$0.00
Set Aerial Panels & Tie-In	2025								0	\$0.00
Reference Horizontal Control Points	2025			2	2				4	\$501.20
SUBTOTAL: Horizontal Control		0	0	26	26	8	0	0	60	\$7,600.88
Vertical Control										
Bench and Random Control Level Circuit	2025			24	24				48	\$6,014.40
Aerial Panel Level Circuit	2025								0	\$0.00
SUBTOTAL: Vertical Control		0	0	24	24	0	0	0	48	\$6,014.40



Topographic Survey

From Cline Trailhead to Hamlin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION								TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager I	Professional Surveyor IV	Survey Party Chief III	Survey Party Chief II	Survey Party Chief III	Survey Technician	Admin Assistant			
Topo & Cross Sections											
Utility Research & Location	2025		4	8	8					20	\$2,807.28
Storm & Sanitary Sewer Structure Details	2025			20	20					40	\$5,012.00
Topo (w/ Surface Model) Survey Baseline	2025			80	80					160	\$20,048.00
Topo (w/ Surface Model) S-Lines	2025									0	\$0.00
Hydraulic Cross Sections	2025									0	\$0.00
Local Testimony / High Water Levels	2025									0	\$0.00
Stream Data / Present Structure	2025									0	\$0.00
Storm & Sanitary Sewer Structure Details	2025									0	\$0.00
SUBTOTAL: Topo & Cross Sections		0	4	108	108	0	0	0	0	220	\$27,867.28



Topographic Survey

From Cline Trailhead to Hamlin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION								TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager I	Professional Surveyor IV	Survey Party Chief III	Survey Party Chief II	Survey Party Chief III	Survey Technician	Admin Assistant		
Final Field Notes & QC/QA										
Topo Data Collection Compilation	2025					12			12	\$1,627.92
Develop Surface Model DTM & Contours	2025					16			16	\$2,170.56
Field Notes & Calculations	2025					16			16	\$2,170.56
Crew Coordination & Project Review	2025	4				4			8	\$1,435.32
Final Notebook Review	2025	2				4			6	\$988.98
Project Management & QC/QA	2025	2				4			6	\$988.98
SUBTOTAL: Final Field Notes & QC/QA		8	0	0	0	56	0	0	64	\$9,382.32
Total Hours	ECI	8	4	158	158	64	1	1	394	\$51,034.24
Hourly Rate (2025)		\$223.17	\$200.62	\$135.66	\$114.94	\$135.66	\$82.51	\$86.85		
Hourly Rate (2026)	3.9%	\$231.87	\$208.44	\$140.95	\$119.42	\$140.95	\$85.73	\$90.24		
Hourly Rate (2027)	3.9%	\$240.92	\$216.57	\$146.45	\$124.08	\$146.45	\$89.07	\$93.76		
Hourly Rate (2028)	3.9%	\$250.31	\$225.02	\$152.16	\$128.92	\$152.16	\$92.55	\$97.41		
							Total Labor Cost			\$51,034.24
DIRECT EXPENSES										
	No.	Unit		No.	Unit	Rate				
Mileage (Site)	30	Trips x		150	Mi./Trip x	\$0.49				\$2,205.00
Mileage (On-Site Miles)		Trips x			Mi./Trip x					\$0.00
Lodging		Rooms x			Nights x					\$0.00
Per Diem		Staff x			Days x					\$0.00
SUBCONSULTANT FEES										
Right-of-Entry Permits	2	Permits x				\$2,000.00				\$4,000.00
Railroad Flagger Protection Services	1	Staff x		5	Days x	\$1,600.00				\$8,000.00
							Total Direct Expense Cost and Subconsultant Fees			\$14,205.00
TOTAL FEE:										\$65,300.00



Environmental Documentation (Lump Sum)

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION												TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Environmental Specialist IV	Environmental Specialist III	Environmental Specialist II	Environmental Specialist I	Historian/Sec. 106 Specialist IV	Historian/Sec. 106 Specialist III	Project Liasion	Graphic Designer	Admin Assistant		
LABOR														
Task 1: Task Organization/Coordination		4	28	0	34	2	2	0	0	0	0	0	70	\$12,707.26
SubTask 1a: Task Organization / Coordination	2026	4	12	0	16	2	2	0	0	0	0	0	36	\$6,496.83
SubTask 1b: Identify Property Owners and Notice of Entry for Survey Distribution	2025	0	0	0	2	0	0	0	0	0	0	0	2	\$268.52
SubTask 1c: Progress Reports	2026	0	8	0	12	0	0	0	0	0	0	0	20	\$3,528.94
SubTask 1d: Client / Design Coordination Meetings	2026	0	8	0	4	0	0	0	0	0	0	0	12	\$2,412.97
Task 2: Wetland Delineation/Waters of the U.S. Investigation		0	4	6	4	44	60	0	0	0	0	0	118	\$13,520.90
SubTask 2a: Field Inspection	2026	0	0	0	0	24	24	0	0	0	0	0	48	\$5,158.26
SubTask 2b: Waters Report Preparation	2026	0	4	6	4	20	36	0	0	0	0	0	70	\$8,362.64
Task 3: NEPA Documentation (Lump Sum Tasks)		6	20	10	30	70	28	0	0	0	2	166	\$23,633.91	
SubTask 3a: Field Inspection	2025	0	0	0	0	10	0	0	0	0	0	0	10	\$1,135.20
SubTask 3b: Red Flag Investigation	2025	0	4	0	0	0	0	0	0	0	0	0	4	\$892.68
SubTask 3c: Early Coordination	2025	0	4	4	0	20	8	0	0	0	2	38	\$4,742.42	
SubTask 3d: CE-4 Documentation	2027	6	12	6	30	40	20	0	0	0	0	0	114	\$16,863.61
Total Hours	ECL	10	52	16	68	116	90	0	0	0	2	354	\$49,862.07	
Average Hourly Rate (2025):		\$253.26	\$223.17	\$164.73	\$134.26	\$113.52	\$93.34	\$163.40	\$145.67	\$164.32	\$94.58	\$86.85		
Average Hourly Rate (2026):	3.9%	\$263.14	\$231.87	\$171.15	\$139.50	\$117.95	\$96.98	\$169.77	\$151.35	\$170.73	\$98.27	\$90.24		
Average Hourly Rate (2027):	3.9%	\$273.40	\$240.92	\$177.83	\$144.94	\$122.55	\$100.76	\$176.39	\$157.25	\$177.39	\$102.10	\$93.76		
Average Hourly Rate (2028):	3.9%	\$284.06	\$250.31	\$184.76	\$150.59	\$127.33	\$104.69	\$183.27	\$163.39	\$184.30	\$106.08	\$97.41		
Average Hourly Rate (2029):	3.9%	\$295.14	\$260.07	\$191.97	\$156.46	\$132.29	\$108.78	\$190.42	\$169.76	\$191.49	\$110.22	\$101.21		
												Total Labor Cost		
DIRECT EXPENSES	No.	Unit		No.	Unit	Rate								
Mileage (PW to Site)	2	Trips x		130	Mi./Trip x	\$0.49								\$127.40
Mileage (SB to Site)	1	Trips x		260	Mi./Trip x	\$0.49								\$127.40
Lodging	2	Rooms x		1	Nights x	\$110.00								\$220.00
Per Diem	2	Staff x		1	Days x	\$41.00								\$82.00
Public Notices (Section 4(f))														\$250.00
Public Notices (Opportunity for Public Hearing)														\$500.00
Printing and Postage														\$50.00
												Total Direct Expense Cost		\$1,356.80
SUBCONSULTANT FEES														
Red Flag Investigation (Metric)														\$4,550.00
												Total Subconsultant Fees		\$4,550.00
TOTAL FEE:														\$54,500.00



June 30, 2025

C.J. Cunningham
Lochmueller Group
112 W. Jefferson Blvd., Suite 500
South Bend, Indiana 46601

**RE: ENVIRONMENTAL SERVICES
MARQUETTE GREENWAY TRAIL
FROM HAMMOND TO GARY NEAR I-90 (INDIANA TOLL ROAD)
DES. NO.: 2400062
METRIC JOB NO. 25-0355-41**

Dear Mr. Cunningham:

Metric Environmental, LLC (Metric) is pleased to submit our fee proposal to Lochmueller Group to prepare and submit the environmental documentation for the above-listed project near I-90, Lake County, Indiana. The project length is approximately 3.9 miles in length.

INTRODUCTION

It is our understanding that the project will include the construction of a portion of Marquette Greenway Trail. Although this project has an INDOT Des. No., the Red Flag Investigation (RFI) will not be reviewed by INDOT Site Assessment & Management, rather the RFI will be attached to the Categorical Exclusion document and reviewed and approved by Federal Highway Administration. Additionally, the Archaeology Phase Ia Report will not be reviewed by INDOT Cultural Resources Office, rather coordination and approval will be directly with the State Historic Preservation Officer.

The project will start adjacent west of US 12 and will travel south to the south side of I-90 and the railroad tracks and then east to the west side of West 3rd Avenue, then east along the north side of West 4th Avenue, then north along the west side of Bridge Street terminating between West 2nd Avenue and the Grand Calumet River for a total of approximately 3.9 miles. The project survey width is anticipated to be 50 feet wide. The current surrounding land use consists of industrial, residential, trees, and grass.

SCOPE OF WORK

The proposed Scope of Work is to prepare the necessary Red Flag Investigation and Archaeology Phase Ia of the National Historic Preservation Act (NHPA) of 1966 (as amended) and its implementing regulations found at CFR 800 and associated Federal Highway Administration (FHWA) and Indiana Department of Transportation (INDOT) requirements.

Metric will require the following documents prior to commencing the Scope of Work:

- Engineers Report, Feasibility Study or similar
- Preliminary Project Design Plans/Construction limits – distance from edge of pavement
- Notice of Survey Letter and list of recipients, if applicable

A summary of the scope of work is provided below:

5.15 Red Flag Investigation

A Red Flag Investigation (RFI) will be conducted within 0.5-mile of the project area to determine if there are potential areas of concern utilizing the INDOT Site Assessment & Management (SAM) manual dated November 2021. The RFI includes a review of appropriate layers within the State of Indiana Geographical Information Office (GIO) Library. The RFI will be submitted to Lochmueller Group and Butler, Fairman & Seufert (BF&S) for their review and attached to the CE environmental document. A preliminary review of the ARCGIS for hazardous materials indicates there are several more potential hazardous material concerns within 0.5 mile of the project vicinity, compared to the previous completed RFI, dated September 19, 2024. It is possible that some of the layers were turned off when the previous map was made.

Section 106 Cultural Resources

5.9 Phase Ia Archaeological Investigation -- Metric will conduct a literature review to check the State Historic Architectural and Archaeological Research Database (SHAARD) files and other resources at the Indiana Department of Natural Resources – Division of Historic Preservation and Archaeology (DHPA) to determine if any investigations have been conducted within the study area, and if previously identified sites are located within the project area. The records check study area will extend for 0.8 km (0.5 mi) surrounding the project area. Preliminary investigation indicates that there are no archaeological sites mapped in the vicinity of the proposed project area.

It is not anticipated that archaeological deep testing will be required for the project based on the upland setting of the project area. *This scope and cost does not include Phase Ic Archaeological Survey.*

A standard methodology for Phase Ia archaeological survey includes surface collection/survey and the excavation of shovel test probes (STP). Surface collection/survey occurs when there is at least 30 percent surface visibility and well weathered surface conditions, generally within agricultural fields. The area is examined via pedestrian survey, with transects spaced at no more than 10-m (32.8-ft) intervals. When subsurface testing is needed, STPs are placed at 15-m (50-ft) intervals along systematically spaced transects. In areas where sites are identified, the interval will be reduced to 5 m (16.4 ft) to better defined site boundaries, artifact distributions, and to identify possible feature remnants. STPs will be 30 cm (12 in) in diameter and extend to a depth to penetrate the subsoil by at least 5 cm (2 in). Soil will be examined via screening through 0.64-cm (0.25-in) mesh hardware cloth. Soil and sod will be replaced following completion of the STP.

STP information will be recorded on standardized forms, with notes regarding soil color, texture, depth, inclusions, and artifact content. Photographs will be taken of the project area, sites encountered, and representative STPs. Archaeological sites identified during survey will be mapped and photographed in the field, and GPS will be used to record locations. In addition, cultural artifacts encountered will be collected for analysis. If large numbers of artifacts, particularly historic artifacts, are encountered, or if large bulky artifacts are encountered, notes and photographs will be taken regarding the resources, but Metric personnel will use discretion in collecting these items.

It is assumed for the purposes of this proposal that approximately two-thirds of the project area will require STP survey, and that no more than 270 STPs will be needed. It will take a crew of three archaeologists four days to complete the fieldwork. The remaining portion of the project area is either disturbed and will only require visual inspection. It is also anticipated that no archaeological sites will be

Marquette Greenway Trail
Near I-90, Lake County, Indiana
Metric No. 25-0355-41

recorded or relocated and that only an Archaeological Short Report will be required for reporting the results.

It is anticipated that the project will require an Archaeological Short Report. This report will summarize results of the literature review, will document results of fieldwork, and provide a summary of the natural and cultural setting of the project area.

If a site is located, artifacts collected during the survey will be taken to the laboratory for processing and analysis. Following artifact analysis, Metric will prepare a full archaeological report that meets the INDOT and the DHPA standards. This report will summarize results of the literature review, will document results of fieldwork, and provide a summary of the natural and cultural setting of the project area. Finally, the report will provide management recommendations regarding archaeological sites identified during survey. If a full report is required Lochmueller Group will be notified and a supplemental cost will be required.

Notes, photographs, documentation, and artifacts will be curated at an accredited curatorial facility, such as the Indiana State Museum, pending donation by the landowner. Artifacts and notes will be processed to meet the standard for permanent storage at the accredited curatorial facility. If no sites are identified, Metric will retain the project documentation at their offices for a standard 5 years.

SCHEDULE

The project will be completed in accordance with the following schedule. This schedule is based on weather, as archaeology cannot be conducted when the ground is frozen or with snow on the ground surface.

<u>ACTIVITY</u>	<u>DURATION FROM NOTICE TO PROCEED AND RECEIPT OF PRELIMINARY DESIGN PLANS/ENGINEERS REPORT</u>
5.15 Red Flag Investigation	10-150 Days
5.9 Archaeology Phase 1A	60-90 Days

EXCLUSIONS

Services which would be subject to a contract addendum include:

- Any other services other than outlined in the scope of work above.

FEE

Metric proposes to complete the following tasks for a lump sum fee of \$22,900.00.

5.15 Red Flag Investigation	\$ 4,550.00
5.9 Section 106 – Archaeology	\$ 18,350.00
Total	\$22,900.00

Marquette Greenway Trail
Near I-90, Lake County, Indiana
Metric No. 25-0355-41

This proposal is valid for ninety (90) days following submittal. This is only a proposal of Metric's scope of services and is not binding on either party until acceptable terms and conditions have been negotiated and agreed upon between both parties.

If you have any questions regarding this proposal, please do not hesitate to contact me. Thank you for the opportunity to submit this proposal, and we look forward to working with you.
Sincerely,

METRIC ENVIRONMENTAL, LLC



Susan Castle
Senior Consultant



Luella Beth Hillen
Director NEPA Services

Metric Job No. 25-0355-41

Encl.: Staff Hourly Justification

STAFF HOUR JUSTIFICATIONS



Environmental Services - Marquette Greenway Trail
 From Hammond to Gary, Approximatley 3.9 Miles, Near I-90, Lake County, Indiana
 Des. No. 2400062
 June 30, 2025

REQUIRED TASK	Estimated Hours and Category Rates													Total	Total Rounded
	Sr. Project Manager 4	Sr. Project Manager 3	Sr. Project Manager 2	Sr. Project Manager 1	Projects Scientist/ Manager 3	Project Scientist/ Manager 2	Project Scientist/ Manager 1	Assistant PM	Staff Scientist 2	Staff Scientist 1	Intern	Project Coordinator 2	Expenses		
	\$ 179.96	\$ 146.41	\$ 138.12	\$ 134.19	\$ 120.10	\$ 109.64	\$ 99.83	\$ 90.42	\$ 87.22	\$ 71.59	\$ 54.30	\$ 94.91			
Red Flag	0	2	0	2	0	0	40	0	0	0	0	0		\$ 4,554.40	\$ 4,550.00
Red Flag Investigation							40							\$ 3,993.20	
QAQC - Internal and with Client		2		2										\$ 561.20	
Section 106 - Archaeology	2	4	10	0	0	0	8	0	100	48	0	0		\$ 18,359.12	\$ 18,350.00
Phase I Archaeological Records Check, Report, and Fieldwork			8				8		100	48				\$ 14,061.92	
QAQC - Internal and with Client	2	4												\$ 945.56	
Coordination with Agencies			2											\$ 276.24	
Expenses - Mileage (1 trip x 360 miles x \$0.49)														\$ 176.40	
Expenses - Lodging (\$107 + tax per night)														\$ 1,107.00	
Expenses - Per Diem (\$41 per full day with overnight)														\$ 492.00	
Expenses - GPS (1 day x \$300 per day x 1 unit)														\$ 1,200.00	
Expenses - ArchaeoMap Access - \$50 per occurrence														\$ 50.00	
Expenses - Report Copies/Letter Copies/Postage/Couriers														\$ 50.00	
Total	2	4	10	0	0	0	8	0	100	48	0	0		\$ 22,913.52	\$ 22,900.00

Metric Job Number 25-0355-41

Use \$ 22,900.00

Rates: 2025 FAR LPA Rates 15.00%



Environmental Documentation (Lump Sum)

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION												TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Environmental Specialist IV	Environmental Specialist III	Environmental Specialist II	Environmental Specialist I	Historian/Sec. 106 Specialist IV	Historian/Sec. 106 Specialist III	Project Liasion	Graphic Designer	Admin Assistant		
LABOR														
Task 4: Section 106 Consultation														
SubTask 4a: Area of Potential Effects (APE) Delineation and Field Inspection	2025	0	0	0	0	0	0	4	12	0	0	0	16	\$2,401.64
SubTask 4b: Cultural Resources Report	2025	4	3	0	0	0	0	12	26	0	0	0	45	\$7,430.77
SubTask 4c: Phase Ia Archaeological Investigations	2025	0	1	0	0	0	0	5	0	0	0	0	6	\$1,040.17
SubTask 4d: Consulting Party Coordination	2026	1	2	0	0	0	0	4	12	0	0	0	19	\$3,222.19
SubTask 4e: Effects Finding/800.11 Documentation	2026	3	3	0	0	0	0	12	32	0	0	2	52	\$8,546.01
Total Hours	ECI	8	9	0	0	0	0	37	82	0	0	2	138	\$22,640.78
Average Hourly Rate (2025):		\$253.26	\$223.17	\$164.73	\$134.26	\$113.52	\$93.34	\$163.40	\$145.67	\$164.32	\$94.58	\$86.85		
Average Hourly Rate (2026):	3.9%	\$263.14	\$231.87	\$171.15	\$139.50	\$117.95	\$96.98	\$169.77	\$151.35	\$170.73	\$98.27	\$90.24		
Average Hourly Rate (2027):	3.9%	\$273.40	\$240.92	\$177.83	\$144.94	\$122.55	\$100.76	\$176.39	\$157.25	\$177.39	\$102.10	\$93.76		
Average Hourly Rate (2028):	3.9%	\$284.06	\$250.31	\$184.76	\$150.59	\$127.33	\$104.69	\$183.27	\$163.39	\$184.30	\$106.08	\$97.41		
Average Hourly Rate (2029):	3.9%	\$295.14	\$260.07	\$191.97	\$156.46	\$132.29	\$108.78	\$190.42	\$169.76	\$191.49	\$110.22	\$101.21		
													Total Labor Cost	\$22,640.78
DIRECT EXPENSES														
	No.	Unit			No.	Unit	Rate							
Mileage (FW to Site)	0	Trips x			130	Mi/Trip x	\$0.49							\$0.00
Mileage (SB to Site)	1	Trips x			260	Mi/Trip x	\$0.49							\$127.40
Lodging	0	Rooms x			1	Nights x	\$110.00							\$0.00
Per Diem	0	Staff x			1	Days x	\$41.00							\$0.00
Public Notices (Section 106)														\$250.00
														\$50.00
													Total Direct Expense Cost	\$427.40
SUBCONSULTANT FEES														
Phase Ia Archaeological Investigation (Metric)														\$18,350.00
													Total Subconsultant Fees	\$18,350.00
TOTAL FEE:													\$41,000.00	



Environmental Documentation (Hourly)

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION												TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Project Manager I	Environmental Specialist IV	Environmental Specialist III	Environmental Specialist II	Environmental Specialist I	Historian/Sec. 106 Specialist IV	Historian/Sec. 106 Specialist III	Project Liasion	Graphic Designer	Admin Assistant			
LABOR															
Task 3: NEPA Documentation (Hourly)															
SubTask 3e: USFWS Coordination															
3e-i: IPaC Documentation	2026	0	2	4	0	8	0	0	0	0	0	0	0	14	\$2,091.94
3e-ii: Bridge/Structure Assessments	2026	0	0	0	0	12	0	0	0	0	0	0	0	12	\$1,415.37
3e-iii: Endangered Piping Plover Coordination	2026	0	2	12	18	4	4	0	0	0	0	0	0	40	\$5,888.24
3e-iv: Other Species Coordination	2026	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00
SubTask 3f: Section 4(f)/6(f) Coordination	2026	2	6	0	16	10	0	0	0	0	0	0	0	34	\$5,328.93
Total Hours	ECI	2	10	16	34	34	4	0	0	0	0	0	0	100	\$14,724.48
Average Hourly Rate (2025):		\$253.26	\$223.17	\$164.73	\$134.26	\$113.52	\$93.34	\$163.40	\$145.67	\$164.32	\$94.58	\$86.85			
Average Hourly Rate (2026):	3.9%	\$263.14	\$231.87	\$171.15	\$139.50	\$117.95	\$96.98	\$169.77	\$151.35	\$170.73	\$98.27	\$90.24			
Average Hourly Rate (2027):	3.9%	\$273.40	\$240.92	\$177.83	\$144.94	\$122.55	\$100.76	\$176.39	\$157.25	\$177.39	\$102.10	\$93.76			
Average Hourly Rate (2028):	3.9%	\$284.06	\$250.31	\$184.76	\$150.59	\$127.33	\$104.69	\$183.27	\$163.39	\$184.30	\$106.08	\$97.41			
Average Hourly Rate (2029):	3.9%	\$295.14	\$260.07	\$191.97	\$156.46	\$132.29	\$108.78	\$190.42	\$169.76	\$191.49	\$110.22	\$101.21			
													Total Labor Cost		\$14,724.48
DIRECT EXPENSES															
	No.	Unit		No.	Unit		Rate								
Mileage (FW to Site)	0	Trips x		130	Mi/Trip x		\$0.49								\$0.00
Mileage (SB to Site)	1	Trips x		260	Mi/Trip x		\$0.49								\$127.40
Lodging	0	Rooms x		1	Nights x		\$110.00								\$0.00
Per Diem	0	Staff x		1	Days x		\$41.00								\$0.00
													Total Direct Expense Cost		\$127.40
SUBCONSULTANT FEES															
													Total Subconsultant Fees		\$0.00
TOTAL FEE:															
															\$14,800.00



Public Involvement (Hourly)

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION												TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Project Manager I	Environmental Specialist IV	Environmental Specialist III	Environmental Specialist II	Environmental Specialist I	Historian/Sec. 106 Specialist IV	Historian/Sec. 106 Specialist III	Project Liasion	Graphic Designer	Admin Assistant			
LABOR															
Task 1: Legal Notice	2027	2	4	0	10	10	0	0	0	6	0	1	33	\$5,343.38	
Task 2: Public Information and Stakeholder Meetings	2026														
SubTask 2a: Meeting Preparation	2027	0	12	0	12	0	0	0	0	6	12	0	42	\$6,919.77	
SubTask 2b: Meeting Attendance	2027	0	18	0	18	0	0	0	0	0	0	0	36	\$6,945.36	
Total Hours	ECI	2	34	0	40	10	0	0	0	12	12	1	111	\$19,208.51	
Average Hourly Rate (2025):		\$253.26	\$223.17	\$164.73	\$134.26	\$113.52	\$93.34	\$163.40	\$145.67	\$164.32	\$94.58	\$86.85			
Average Hourly Rate (2026):	3.9%	\$263.14	\$231.87	\$171.15	\$139.50	\$117.95	\$96.98	\$169.77	\$151.35	\$170.73	\$98.27	\$90.24			
Average Hourly Rate (2027):	3.9%	\$273.40	\$240.92	\$177.83	\$144.94	\$122.55	\$100.76	\$176.39	\$157.25	\$177.39	\$102.10	\$93.76			
Average Hourly Rate (2028):	3.9%	\$284.06	\$250.31	\$184.76	\$150.59	\$127.33	\$104.69	\$183.27	\$163.39	\$184.30	\$106.08	\$97.41			
Average Hourly Rate (2029):	3.9%	\$295.14	\$260.07	\$191.97	\$156.46	\$132.29	\$108.78	\$190.42	\$169.76	\$191.49	\$110.22	\$101.21			
													Total Labor Cost	\$19,208.51	
DIRECT EXPENSES	No.	Unit			No.	Unit	Rate								
Mileage (FW to Site)	1	Trips x			130	Mi/Trip x	\$0.49							\$63.70	
Mileage (SB to Site)	1	Trips x			260	Mi/Trip x	\$0.49							\$127.40	
Lodging	0	Rooms x			0	Nights x	\$110.00							\$0.00	
Per Diem	0	Staff x			0	Days x	\$41.00							\$0.00	
Public Notices (Opportunity for Public Hearing)														\$500.00	
Printing and Postage														\$100.00	
													Total Direct Expense Cost	\$791.10	
SUBCONSULTANT FEES															
													Total Subconsultant Fees	\$0.00	
TOTAL FEE:														\$19,300.00	



Structure Design and Plan Development - Rehabilitation of RR Bridge

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		

DIRECT LABOR

Initial Field Check & Bridge Scoping Report

Initial Assessment of existing structure	2026				8					8	\$1,236.08
Coordination with ITR, Traffic Control, Equipment	2026		4		16		16			36	\$5,481.14
ROE Permit Application - NICTD	2026		4		8		16			28	\$4,245.06
ROE Permit Application/Saefy Training - ITR	2026									0	\$0.00
Review Existing Documentation	2026			8	8					16	\$3,035.54
Field Inspection & Travel Time	2026		16		16		16			48	\$8,263.62
Bridge Scoping Report Development	2026									0	\$0.00
Introduction Information (Sections I-V)	2026			1	2		4			7	\$1,054.33
Existing Conditions (Sections VI)	2026			3	8		16			27	\$3,992.37
Recommendations (Section VII)	2026			8	16		32			56	\$8,434.60
Prelim (Quantities &) Cost Est (Section VIII & IX)	2026			1	4		16	32		53	\$6,716.73
Est Remaining Life (Section X)	2026						8			8	\$1,040.75
Level 1 Criteria Checklist (Section XI)	2026			2	4		8	32		46	\$5,900.92
Schematics & Photos (Sections XII & XIII)	2026						16			16	\$2,081.49
Appendices (Section XV)	2026						8	8	24	40	\$6,146.39
Q.A. Review/Submission Documentation/Submittal	2026		8	8						16	\$3,654.45
SUBTOTAL: Initial Field Check & Bridge Scoping Report		0	32	31	90	0	156	72	24	405	\$61,283.47

Stage 2/PFC Plans

Review and Process Survey Data	2026			4	4		4		12	24	\$4,116.93
Preliminary Title Sheet & Index Sheet	2026				2		4		12	18	\$2,908.18
Preliminary MOT Details (Detour Route)	2026				2		8		24	34	\$5,507.34
Preliminary Road (Construction) Details	2026				2		8		32	42	\$6,893.20
Preliminary Layout Sheet	2026		4	8	8		24			44	\$7,085.27
Preliminary General Plan with Prelim. Removal Details	2026		2	4	8		32		40	86	\$13,691.84
Preliminary Superstructure Analysis	2026				4		8			12	\$1,658.78
Preliminary Rehabilitation Details	2026			4	8		16			28	\$4,217.30
Level 1 Checklist (Road & MOT) Update	2026		8	32						40	\$9,052.85
Quantities and Cost Estimate	2026		4		16					20	\$3,399.65
SUBTOTAL: Stage 2/PFC Plans		0	18	52	54	0	104	0	120	348	\$58,531.36



Structure Design and Plan Development - Rehabilitation of RR Bridge

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Stage 3 Plans											
Revisions to Stage 2 Plans	2027			2	4	8	8		16	38	\$6,270.70
Final Title & Index Sheet	2027			1			2		8	11	\$1,943.95
Final Layout Sheet	2027			2	4		8		16	30	\$5,070.70
Final General Plan	2027			2	4		8		16	30	\$5,070.70
Substructure Details	2027				8		32		32	72	\$11,369.26
Superstructure Design/Check	2027		8	16	20		40			84	\$14,284.01
Superstructure Details	2027			16	20		25		48	109	\$18,968.62
Approach Details	2027			2	2		8		16	28	\$4,749.63
Level 1 Checklist (MOT)	2027			2	2		8			12	\$1,869.82
Final Quantities	2027			8	12		28			48	\$7,580.74
Cost Estimate	2027			2	2		8			12	\$1,869.82
Summary Sheet & Approach Tables	2027			2	2		8		16	28	\$4,749.63
Special Provisions	2027		8	24	16					48	\$10,104.83
QA/QC	2027		16	40						56	\$13,202.89
Submission & Documentation	2027		4		8					12	\$2,247.95
SUBTOTAL: Stage 3 Plans		0	36	119	104	8	183	0	168	618	\$109,353.25



Structure Design and Plan Development - Rehabilitation of RR Bridge

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		

DIRECT LABOR

Final Field Check

Distribute Plans & Notification	2029				16					16	\$2,772.82
Attend Field Inspection Meeting	2029		4	4	4					12	\$2,742.66
Revisions & Minutes	2029				16					16	\$2,772.82
SUBTOTAL: Final Field Check		0	4	4	36	0	0	0	0	481	\$8,288.31

Final Tracings

Revise Plans per Stage 3 Review	2029			2	2		4	4	16	28	\$5,075.35
Final Constr. Cost Est. & Final Est. of Quant.	2029			1	4		8	8		21	\$3,176.19
Final Special Provisions	2029		4	8	8					20	\$4,445.03
QA/QC	2029		16	16						32	\$8,197.83
SUBTOTAL: Final Tracings		0	20	27	14	0	12	12	16	101	\$20,894.41

Total Hours	ECI	0	110	233	298	8	455	84	328	1,516	\$258,350.81
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Average Unburdened Rate (2025)		\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%	\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%	\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%	\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%	\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		
Total Direct Labor Cost											\$258,350.81
Total Labor Cost											\$258,350.81

DIRECT EXPENSES

	No.	Unit	No.	Unit	Rate		
Mileage (Site)	2	Trips x	120	Mi./Trip x	\$0.49		\$117.60
Mileage (To NIRPC)		Trips x		Mi./Trip x	\$0.49		\$0.00
Lodging		Rooms x		Nights x	\$110.00		\$0.00
Per Diem		Staff x		Days x	\$41.00		\$0.00
							\$0.00
ROE Permit- NICTD	1	Each x			\$2,000.00		\$2,000.00
Traffic Control	1	Each x			\$7,800.00		\$7,800.00
Lift Truck	1	Each x			\$1,680.00		\$1,680.00
							\$0.00
Total Direct Expense Cost							\$11,597.60

TOTAL FEE: \$270,000.00



605 Anderson Drive Romeoville, IL 60446
Phone: 815-886-1776

Date: 6/17/2025

USSI Rentals, Inc. is pleased to provide Lochmueller Group with a rental quotation for a 1 Day rental rate of \$540.

Delivery: \$300 each way

Mileage Allowance: 75/day; 375/five-day work week; or 1,500 four-weeks, Overage: \$.25/mile

TOLLS AND ANY SPEEDING OR MOVING VIOLATIONS ARE THE CUSTOMERS RESPONSIBILITY AND WILL CHARGED AN ADMINISTRATION FEE. ANY INCIDENT INVOLVING A RENTAL UNIT MUST BE REPORTED TO USSI RENTALS, INC. NO SMOKING OR VAPING IN ANY RENTAL UNIT.

- Daily Rate: \$540 Weekly Rate: \$1,610 4 weeks: \$4,100

Unit Number	1257
Value	\$142,000.00
Chassis Year	2019
Chassis Make/Model	INTERNATIONAL CV515
Chassis VIN	1HTKTSWKXKH172824
Equipment Manufacturer	VERSALIFT
Equipment Model	SST40EIH
Equipment Serial Number	EH190097
Gross Vehicle Weight	19,500 lbs.
Drivers Licensed Required	"C"
License Plate	FP255975

- Worker's compensation and employer's liability insurance, with limits of at least the statutory minimum.
- Primary non-contributory commercial general liability insurance on an occurrence basis, including bodily injury and property damage coverage with minimum limits of \$1,000,000 per occurrence and \$1,000,000, in the aggregate.
If Lessee has excess or umbrella insurance, Lessee's policy must be endorsed so that it is primary to all of Lessor's insurance policies.
- Commercial Automobile Liability in the amount of \$1,000,000.00, with Lessor named as additional insured; comprehensive and collision coverage with Lessor named as Loss Payee, and a minimum 30 days written notice of cancellation.
- Inland marine/all-risk physical damage insurance to cover the full insurance value of the Equipment, including any boom or jib, for its loss or damage from any and all causes, including but not limited to, overloading, misuse, fire, theft, flood, explosion, overturn, accident, and acts of God occurring during the rental term. The valuation of the Equipment is listed under the heading of "Details of Equipment", and the parties agree that this is the actual value of the Equipment for the purposes of fixing the Equipment's insurable value.
- All policies are to be written by insurance companies acceptable to the Lessor.
- The Lessor is to be included as an additional insured on all liability insurance policies, including primary, and any umbrella/excess (ISO Form CG 20 10 10 01, ISO CG 20 37 10 01, CG 20 28 07 04, and CG 20 34 03 97 must be used); Lessee shall name Lessor as loss payee on all insurance policies. Also, the Lessor is to be named as an additional insured on all liability insurance certificates. Lessee shall provide all such liability insurance certificates to Lessor.



605 Anderson Drive Romeoville, IL 60446

Phone: 815-886-1776

All policies shall be endorsed to require the insurer to give thirty (30) days advanced notice to Lessor prior to cancellation.



Structure Design and Plan Development - Boardwalk Adjacent to Nature Preserve

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Stage 1 Plans												
Title & Index Sheets	2026										0	\$0.00
Layout Sheet	2026			1	4			8	16		29	\$4,562.76
General Plan Preliminary Layout	2026			4	8			16	24		52	\$8,189.52
General Plan Economic Analysis	2026			2	8			16			26	\$3,582.08
SS&T Report	2026			4	8			8			20	\$3,083.88
General Plan Sheets	2026			4	4			8	24		40	\$6,623.42
Bridge Summary Sheet	2026								8		8	\$1,385.86
Level 1 Design Documentation	2026			1	4			8			13	\$1,791.04
Cost Estimate	2026			2	4			8			14	\$2,015.97
QA/QC & Submittal	2026		4	16							20	\$4,526.42
Project Coordination	2026		8	8	8						24	\$4,890.53
SUBTOTAL: Stage 1 Plans			0	12	42	48	0	0	72	72	246	\$40,651.48
Preliminary Field Check												
Revisions from Preliminary Plans Submission	2026			2	4			12	16		34	\$5,261.72
Preliminary R/W Design	2026			4	8			4			16	\$2,609.84
Soil Boring Sheets	2026				4			8	16		28	\$4,337.83
Preliminary Unique Special Provisions	2026			8	16			4			28	\$4,745.65
Field Check & Minutes	2026			4	4			8			16	\$2,465.84
QA/QC & Submittal	2026			8							8	\$1,799.46
Project Coordination	2026				16						16	\$2,472.16
	2026											
SUBTOTAL: Preliminary Field Check			0	0	26	52	0	0	36	32	146	\$23,692.50



Structure Design and Plan Development - Boardwalk Adjacent to Nature Preserve

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Stage 3 Plans											
Revisions from PFC Plans Submission	2027			2	4			8	16	30	\$4,974.41
Title & Index Sheets	2027				1			4	8	13	\$2,092.96
Layout Sheet	2027			2	2			8	16	28	\$4,653.34
General Plan	2027			2	2			8	24	36	\$6,093.25
Foundation Layout	2027			1	4			16	32	53	\$8,605.56
Substructure Design	2027			8	16			40		64	\$9,363.42
Substructure Details	2027			2	8			16	24	50	\$8,041.50
Superstructure Design	2027			8	16			40		64	\$9,363.42
Superstructure Details	2027			4	8			12	24	48	\$8,016.39
Bridge Summary Sheet	2027				1			4	8	13	\$2,092.96
Final Constr. Cost Est. & Final Est. of Quant.	2027			2	4			8		14	\$2,094.59
Final Special Provisions	2027			4	8			8		20	\$3,204.15
QA/QC & Submittal	2027		8	16						24	\$5,666.62
Project Coordination	2027		4	8	8					20	\$4,117.60
SUBTOTAL: Stage 3 Plans			0	12	59	82	0	0	172	501	\$82,651.81



Structure Design and Plan Development - Boardwalk Adjacent to Nature Preserve

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Final Tracings												
Revisions from Stage 3 Plans Submission	2029				2			4	16	22	\$3,987.11	
Finalize, Sign & Seal Plans	2029			8						8	\$2,018.32	
Quantities & Cost Estimate	2029				2			4		6	\$878.29	
Special Provisions	2029			4						4	\$1,009.16	
QA/QC & Submittal	2029		8	4						12	\$3,089.76	
Project Coordination	2029			8	8					16	\$3,404.73	
SUBTOTAL: Final Tracings			0	8	24	12	0	0	8	16	68	\$14,387.37
Total Hours	ECI		0	32	151	194	0	0	288	272	937	\$157,111.54
Average Unburdened Rate (2025)			\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%		\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%		\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%		\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%		\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		
										Total Direct Labor Cost		\$157,111.54
										Total Labor Cost		\$157,111.54
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)	1	Trips x		120	Mi./Trip x	\$0.49					\$58.80	
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49					\$0.00	
Lodging		Rooms x			Nights x	\$110.00					\$0.00	
Per Diem		Staff x			Days x	\$41.00					\$0.00	
										Total Direct Expense Cost		\$58.80
TOTAL FEE:											\$157,200.00	



Structure Design and Plan Development - Underpass at US 12/SR 912/Cline Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Stage 1 Plans											
Preliminary Geometry	2026			2	8			24	16	50	\$7,301.86
Quantities & Cost Estimate	2026			2	8			32		42	\$5,478.21
QA/QC & Submittal Documents	2026		2	8						10	\$2,263.21
SUBTOTAL: Stage 1 Plans		0	2	12	16	0	0	56	16	102	\$15,043.29
Preliminary Field Check											
Preliminary Elevation Details	2026			2	8			24	24	58	\$8,687.72
Preliminary Plan Details	2026			2	8			16	24	50	\$7,739.66
Preliminary Sections	2026			2	4			8	24	38	\$6,173.55
QA/QC & Submittal Documents	2026		2	8						10	\$2,263.21
SUBTOTAL: Preliminary Field Check		0	2	14	20	0	0	48	72	156	\$24,864.14



Structure Design and Plan Development - Underpass at US 12/SR 912/Cline Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Stage 3 Plans											
Final Elevation Details	2027							24	24	48	\$7,274.85
Final Plan Details	2027							16	16	32	\$4,849.90
Final Sections	2027							8	8	16	\$2,424.95
Final Construction Cost Est. & Final Est. of Quantities	2027			4	8			16		28	\$4,189.19
QA/QC & Submittal Documents	2027		2		8					10	\$1,766.12
SUBTOTAL: Stage 3 Plans		0	2	4	16	0	0	64	48	144	\$22,768.22
Final Tracings											
Revisions from Stage 3 Plans Submission	2029				4			4	8	12	\$2,086.10
Quantities & Cost Estimate	2029			2	4			8		14	\$2,261.16
QA/QC & Submittal Documents	2029		8							8	\$2,080.60
SUBTOTAL: Final Tracings		0	8	2	4	0	0	12	8	34	\$6,427.85
Total Hours	ECI	0	14	32	56	0	0	180	144	426	\$66,840.29
Average Unburdened Rate (2025)		\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%	\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%	\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%	\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%	\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		
Total Direct Labor Cost											\$66,840.29
Total Labor Cost											\$66,840.29
DIRECT EXPENSES											
	No.	Unit	No.	Unit	Rate						
Mileage (Site)		Trips x		Mi./Trip x	\$0.49						\$0.00
Mileage (On-Site Miles)		Trips x		Mi./Trip x	\$0.49						\$0.00
Lodging		Rooms x		Nights x	\$110.00						\$0.00
Per Diem		Staff x		Days x	\$41.00						\$0.00
Total Direct Expense Cost											\$0.00
TOTAL FEE:											\$66,900.00



Structure Design and Plan Development - Boardwalk Adjacent to NICTD Right-of-Way

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Stage 1 Plans												
Title & Index Sheets	2026										0	\$0.00
Layout Sheet	2026			1	4			8	16		29	\$4,562.76
General Plan Preliminary Layout	2026			8	8			16	8		40	\$6,317.54
General Plan Economic Analysis	2026			4	8			16			28	\$4,031.94
SS&T Report	2026			4	4			8			16	\$2,465.84
General Plan Sheets	2026			4	2			4	12		22	\$3,761.57
Bridge Summary Sheet	2026								8		8	\$1,385.86
Level 1 Design Documentation	2026			1	4			4			9	\$1,317.01
Cost Estimate	2026			2	4			8			14	\$2,015.97
QA/QC & Submittal	2026		4	12							16	\$3,626.69
Project Coordination	2026			4	4						8	\$1,517.77
	2026										0	\$0.00
SUBTOTAL: Stage 1 Plans			0	4	40	38	0	0	64	44	190	\$31,002.95
Preliminary Field Check												
Revisions from Preliminary Plans Submission	2026			1	2			12	16		31	\$4,727.77
Preliminary R/W Design	2026			4	8			4			16	\$2,609.84
Soil Boring Sheets	2026				2			4	8		14	\$2,168.91
Preliminary Unique Special Provisions	2026			2	4			2			8	\$1,304.92
Field Check & Minutes	2026			4	4			8			16	\$2,465.84
QA/QC & Submittal	2026			8							8	\$1,799.46
Project Coordination	2026				8						8	\$1,236.08
	2026											
SUBTOTAL: Preliminary Field Check			0	0	19	28	0	0	30	24	101	\$16,312.83



Structure Design and Plan Development - Boardwalk Adjacent to NICTD Right-of-Way

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Stage 3 Plans												
Revisions from PFC Plans Submission	2027			2	2			6	16	26	\$4,407.08	
Title & Index Sheets	2027				1			2	8	11	\$1,846.70	
Layout Sheet	2027			2	2			6	16	26	\$4,407.08	
General Plan	2027			2	2			6	16	26	\$4,407.08	
Foundation Layout	2027			1	4			7	20	32	\$5,337.53	
Substructure Design	2027			4	14			24		42	\$6,137.44	
Substructure Details	2027			2	6			12	12	32	\$5,068.05	
Superstructure Design	2027			4	12			30		46	\$6,555.15	
Superstructure Details	2027			2	4			8	12	26	\$4,254.46	
Bridge Summary Sheet	2027				1			8	8	17	\$2,585.49	
Final Constr. Cost Est. & Final Est. of Quant.	2027			2	4			12		18	\$2,587.12	
Final Special Provisions	2027			4	4			4		12	\$2,069.48	
QA/QC & Submittal	2027		8	16						24	\$5,666.62	
Project Coordination	2027		4	8	8					20	\$4,117.60	
SUBTOTAL: Stage 3 Plans			0	12	49	64	0	0	125	108	374	\$62,482.42



Structure Design and Plan Development - Boardwalk Adjacent to NICTD Right-of-Way

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Final Tracings												
Revisions from Stage 3 Plans Submission	2029				4			8	16	28	\$4,865.40	
Finalize, Sign & Seal Plans	2029			12						12	\$3,027.48	
Quantities & Cost Estimate	2029				4			8		12	\$1,756.58	
Special Provisions	2029			4						4	\$1,009.16	
QA/QC & Submittal	2029		8	8						16	\$4,098.92	
Project Coordination	2029			4	4					8	\$1,702.37	
SUBTOTAL: Final Tracings			0	8	28	12	0	0	16	16	80	\$16,459.90
Total Hours	ECI		0	24	136	142	0	0	235	192	729	\$123,222.56
Average Unburdened Rate (2025)			\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%		\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%		\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%		\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%		\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		
Total Direct Labor Cost											\$123,222.56	
Total Labor Cost											\$123,222.56	
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)		Trips x			Mi./Trip x	\$0.49					\$0.00	
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49					\$0.00	
Lodging		Rooms x			Nights x	\$110.00					\$0.00	
Per Diem		Staff x			Days x	\$41.00					\$0.00	
Total Direct Expense Cost											\$0.00	
TOTAL FEE:											\$123,300.00	



Structure Design and Plan Development - New Bridge over CN Railroad

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		

DIRECT LABOR

Stage 1 Plans

Title & Index Sheets	2026				2				8	10	\$1,694.88
Layout Sheet	2026			1	2			8	16	27	\$4,346.42
General Plan Preliminary Truss Designs	2026		1	2	4			8	16	31	\$5,112.24
Preliminary Substructure Sizing	2026		1	2	4			8		15	\$2,340.52
Structure Type Economic Analysis	2026			8	16			24		48	\$7,393.86
SS&T Report	2026			4	8			16		28	\$4,217.30
General Plan Sheets	2026		1	2	4			8	32	47	\$7,883.96
Landscape Architecture and Aesthetic Treatments	2026		2	4					8	14	\$2,749.34
Cost Estimate	2026			2	4			8		14	\$2,108.65
QA/QC & Submittal	2026		4	8						12	\$2,726.96
Project, Geotech., Agency and Truss Manufacturer Coordination	2026			4	16					20	\$3,371.89
Project Coordination	2026		4	8	8					20	\$3,963.04
SUBTOTAL: Stage 1 Plans			0	13	45	68	0	80	0	80	\$47,909.06

Preliminary Field Check

Revisions from Preliminary Plans Submission	2026						4	8	16	28	\$4,240.16
Preliminary R/W Design	2026			4	16					20	\$3,371.89
Preliminary Elevation Details	2026				4		16	16		36	\$5,471.25
Preliminary Plan Details	2026			2	4		8	16		30	\$4,880.37
Preliminary Sections	2026			2	4		8	16		30	\$4,880.37
Soil Boring Sheets	2026			2	4		8		24	38	\$6,266.23
Preliminary Unique Special Provisions	2026			4	8					12	\$2,135.81
Field Check & Minutes	2026				8					8	\$1,236.08
QA/QC & Submittal	2026		4	16						20	\$4,526.42
Project Coordination	2026		4	8						12	\$2,726.96
	2026										
SUBTOTAL: Preliminary Field Check			0	8	38	48	0	44	8	88	\$39,735.54



Structure Design and Plan Development - New Bridge over CN Railroad

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Stage 3 Plans											
Revisions from Stage 1 Submission	2027			2	4		8		8	22	\$3,630.80
Title & Index Sheets	2027			1	1				2	4	\$754.22
Layout Sheet	2027			1	2		4		8	15	\$2,535.35
General Plan	2027								8	8	\$1,439.91
Soil Boring Sheet	2027			1	2		4		8	15	\$2,535.35
Foundation Layout	2027		1	2	4		4		8	19	\$3,331.05
Substructure Design	2027			4	16		32			52	\$7,828.73
Substructure Details	2027		1	4	8		8		40	61	\$10,740.90
Superstructure Design	2027				8		8			16	\$2,365.62
Superstructure Details	2027		2	4	8		8		16	38	\$6,662.09
Final Elevation Details	2027			4	4		4	4	16	32	\$5,489.97
Final Plan Details	2027			4	4		4	4	16	32	\$5,489.97
Final Sections	2027			2	2		4	4	16	28	\$4,701.49
MSE Wall Design Review Checklist	2027			8	4					12	\$2,511.79
Landscape Architecture and Aesthetic Treatments	2027		4						8	12	\$2,403.58
Reinforced Concrete Bridge Approach Details	2027			2	4		8		16	30	\$5,070.70
Bridge Summary Sheet	2027			1	2		4		8	15	\$2,535.35
Final Constr. Cost Est. & Final Est. of Quant.	2027			2	4		8			14	\$2,190.89
Final Special Provisions	2027		2	4	8					14	\$2,700.94
QA/QC & Submittal	2027		4	8						12	\$2,833.31
Project, Geotech., Agency and Truss Manufacturer Coordination				8	8						
SUBTOTAL: Stage 3 Plans		0	14	62	93	0	108	12	178	483	\$85,005.38



Structure Design and Plan Development - New Bridge over CN Railroad

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		

DIRECT LABOR

Final Tracings

Revisions from Stage 3 Plans Submission	2029			2	4			8	16	30	\$5,369.98	
Finalize, Sign & Seal Plans	2029		2	8						10	\$2,538.47	
Quantities & Cost Estimate	2029		1	2	4			4		11	\$1,989.55	
Special Provisions	2029			4	8					12	\$2,395.57	
QA/QC & Submittal	2029		4							4	\$1,040.30	
Project Coordination	2029		16							16	\$4,161.19	
SUBTOTAL: Final Tracings			0	23	16	16	0	0	12	16	83	\$17,495.06
Total Hours	ECI		0	58	161	225	0	232	32	362	1,054	\$182,891.65
Average Unburdened Rate (2025)			\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%		\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%		\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%		\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%		\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		
Total Direct Labor Cost											\$182,891.65	
Total Labor Cost											\$182,891.65	

DIRECT EXPENSES

	No.	Unit	No.	Unit	Rate			
Mileage (Site)	1	Trips x	120	Mi./Trip x	\$0.49			\$58.80
Mileage (On-Site Miles)		Trips x		Mi./Trip x	\$0.49			\$0.00
Lodging		Rooms x		Nights x	\$110.00			\$0.00
Per Diem		Staff x		Days x	\$41.00			\$0.00
Total Direct Expense Cost								\$58.80

TOTAL FEE: \$183,000.00



Structure Design and Plan Development - Preventive Maintenance Lake Co Bridge 392

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Initial Field Check & BPMMM												
Field Inspection & Travel Time	2026		4		4		4				12	\$2,065.91
Preliminary IFC Minutes	2026		1		2		4				7	\$1,061.27
Develop Rehabilitation Recommendations	2026			2	4		8				14	\$2,108.65
Develop Quantities and Cost Estimate	2026			2	4		8				14	\$2,108.65
Prepare Preventative Maintenance Meeting Minutes	2026			4	12		24				40	\$5,876.09
QA/QC	2026		2	8							10	\$2,263.21
Submission & Documentation	2026				4						4	\$618.04
SUBTOTAL: Initial Field Check & BPMMM			0	7	16	0	48	0	0	0	101	\$16,101.81
Stage 2/PFC Plans												
Preliminary Layout Sheet	2026						8		16		24	\$3,812.47
Preliminary General Plan with Prelim. Details	2026			2	4		16		24		46	\$7,306.98
Preliminary Rehabilitation Details	2026			2	4		8		16		30	\$4,880.37
Level 1 Checklist (Road & MOT) Update	2026				4		8				12	\$1,658.78
Quantities and Cost Estimate	2026			4	8		16				28	\$4,217.30
QA/QC	2026		2	8							10	\$2,263.21
Submission & Documentation	2026		2		4						6	\$1,081.79
SUBTOTAL: Stage 2/PFC Plans			0	4	16	0	56	0	56	0	156	\$25,220.89
Stage 3 Plans												
Revisions to Stage 2 Plans	2027				2			8	16		26	\$4,185.93
Final Title & Index Sheet	2027										0	\$0.00
Final Layout Sheet	2027			1	2			2	16		21	\$3,680.85
Final General Plan	2027				2			2	16		20	\$3,447.15
Superstructure Details	2027			1	2			4	16		23	\$3,927.11
Level 1 Checklist (MOT)	2027				2			4			6	\$813.59
Final Quantities	2027			4	8			8			20	\$3,204.15
Cost Estimate	2027			2	4			8			14	\$2,094.59
Summary Sheet & Approach Tables	2027							4	8		12	\$1,932.43
Special Provisions	2027		2	8				8			18	\$3,336.52
QA/QC	2027		8								8	\$1,927.33
Submission & Documentation	2027		2		8						10	\$1,766.12
SUBTOTAL: Stage 3 Plans			0	12	16	0	0	48	72	0	178	\$30,315.78



Structure Design and Plan Development - Preventive Maintenance Lake Co Bridge 392

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		

DIRECT LABOR

Final Field Check

Distribute Plans & Notification	2029				2		4			6	\$930.26
Attend Field Inspection Meeting	2029		4		4		4			12	\$2,317.17
Revisions & Minutes	2029				4				8	12	\$2,247.62
SUBTOTAL: Final Field Check		0	4	0	10	0	8	0	8	30	\$5,495.05

Final Tracings

Revise Plans per Stage 3 Review	2029			1	2		4		8	15	\$2,736.97
Final Constr. Cost Est. & Final Est. of Quant.	2029			2	4		8			14	\$2,365.11
Final Special Provisions	2029			2	4		8			14	\$2,365.11
QA/QC	2029		2	8						10	\$2,538.47
SUBTOTAL: Final Tracings		0	2	13	10	0	20	0	8	53	\$10,005.65

Total Hours	ECI	0	29	61	104	0	132	48	144	518	\$87,139.18
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Average Unburdened Rate (2025)		\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$114.06	\$166.73		
Average Unburdened Rate (2026)	3.9%	\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$118.51	\$173.23		
Average Unburdened Rate (2027)	3.9%	\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$123.13	\$179.99		
Average Unburdened Rate (2028)	3.9%	\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$127.93	\$187.01		
Average Unburdened Rate (2029)	3.9%	\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$132.92	\$194.30		

Total Direct Labor Cost											\$87,139.18
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Total Labor Cost											\$87,139.18
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DIRECT EXPENSES

	No.	Unit		No.	Unit	Rate					
Mileage (Site)		Trips x			Mi./Trip x	\$0.49				\$0.00	
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49				\$0.00	
Lodging		Rooms x			Nights x	\$110.00				\$0.00	
Per Diem		Staff x			Days x	\$41.00				\$0.00	
Total Direct Expense Cost											\$0.00

TOTAL FEE:											\$87,200.00
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Trail Design and Plan Development - From Cline Trailhead to Hamin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Senior Engineer I	Project Engineer III	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Designer II		
DIRECT LABOR											
Stage 1											
Establish Horizontal Alignment	2026			2			8			10	\$1,604.82
Design Profile Grade	2026			8	4	16				28	\$4,996.55
Preliminary Drainage Analysis	2026			2	24		40		4	70	\$11,134.98
Plan Revisions per Stakeholder Coordination	2026		4	8		8	20	8	20	68	\$10,695.01
Preliminary Trail Corridor Model	2026			4			40		8	52	\$7,796.03
Prepare Typical Cross Section	2026					8			8	16	\$2,357.62
Preliminary Plan & Profile Sheets	2026		2	8	4	8	8	16	40	86	\$13,068.35
Preliminary MOT - Vehicular & Pedestrian	2026						8		8	16	\$2,276.49
Preliminary Cross Section Sheets	2026					4			16	20	\$2,861.12
Preliminary Clear Zone, Roadside Safety	2026			2		8			8	18	\$2,807.48
Level One Calcs and Checklist	2026			2		8				10	\$1,685.94
Level Two Calcs	2026			2			8			10	\$1,604.82
Abbreviated Engineering Assessment	2026			2			8			10	\$1,604.82
Preliminary Quantities & Cost Estimate	2026			4		4	8			16	\$2,672.72
QA/QC	2026	4	4	16						24	\$5,578.97
Submission to NIRPC/BFS	2026		4			4	4			12	\$2,123.01
SUBTOTAL: Stage 1		4	14	60	32	68	152	24	112	466	\$74,868.74
PFC Plans											
Revise plans per Stage 1 Review	2026	2		4		4	4	8	40	62	\$9,269.96
Coordinate Design with Geotech & Enviro	2026		4			4				8	\$1,545.53
Coordinate R/W	2026		2			4				6	\$1,081.79
Constructability Review	2026	2	8							10	\$2,381.26
Plan and Cross Section Updates	2026			4		8	8		16	36	\$5,533.84
Drainage Detail in Plans	2026				4		8		16	28	\$4,122.96
QA/QC	2026	4	4	8						16	\$3,779.51
Meeting Preparation and Minutes	2026		4			4				8	\$1,545.53
Field Check Meeting	2026		2			2				4	\$772.77
SUBTOTAL: PFC Plans		8	24	16	4	26	20	8	72	178	\$30,033.15



Trail Design and Plan Development - From Cline Trailhead to Hamin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Senior Engineer I	Project Engineer III	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Designer II		

DIRECT LABOR

Stage 3 Plans

Updates to Plans per PFC Meeting	2027			4		8	8		40	60	\$9,245.49
Finalize Drainage Design	2027			4	16		40		4	64	\$10,530.25
Plan Revisions per Stakeholder Coordination	2027		4	8		8	20	8	20	68	\$11,112.11
Finalize Plan & Profile Sheets	2027	2	2	4		8	16	40	40	112	\$16,880.79
Finalize Detail Sheets	2027				4		4	8	16	32	\$4,765.09
Finalize MOT - Vehicular & Pedestrian	2027						2		4	6	\$882.64
Pavement Markings & Signs	2027							4	4	8	\$1,123.31
Project Summary Tables	2027							8		8	\$1,081.33
Earthwork and Summary Table	2027							4		4	\$540.67
Quantity Calculations	2027			4		8	8	8		28	\$4,500.44
Cost Estimate	2027			2		2	4			8	\$1,388.48
Special Provisions	2027			4			4			8	\$1,534.82
QA/QC	2027	4	8	16						28	\$6,760.22
STG3 Documentation and Submission	2027		8			4				12	\$2,569.48
SUBTOTAL: Stage 3 Plans		6	22	46	20	38	106	80	128	446	\$72,915.12



Trail Design and Plan Development - From Cline Trailhead to Hamin St.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Senior Engineer I	Project Engineer III	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Designer II		

DIRECT LABOR

Final Field Check

Attend Meeting	2029		2			2				4	\$866.75
Revisions & Minutes	2029		1			4			8	13	\$2,211.22
SUBTOTAL: Final Field Check		0	3	0	0	6	0	0	8	17	\$3,077.98

Final Tracings

Revise Plans per Stage 3 Review	2029	2	4	8	4	8	8		20	54	\$10,288.69
Final Constr. Cost Est. & Final Est. of Quant.	2029			2		4	4			10	\$1,845.50
Final Special Provisions	2029			2		4				6	\$1,197.79
QA/QC	2029	4	8	16						28	\$7,297.80
ERMS Documentation and Submission	2029		8							8	\$2,080.60
CIB review	2029		1			2				3	\$606.68
CQA Questions	2029		4	4		8				16	\$3,435.87
SUBTOTAL: Final Tracings		6	25	32	4	26	12	0	20	125	\$26,752.91
Total Hours	ECI	24	88	154	60	164	290	112	340	1,232	\$207,647.90

Average Unburdened Rate (2025)		\$253.26	\$223.17	\$216.49	\$174.43	\$148.71	\$138.95	\$125.21	\$134.93		
Average Unburdened Rate (2026)	3.9%	\$263.14	\$231.87	\$224.93	\$181.23	\$154.51	\$144.37	\$130.09	\$140.19		
Average Unburdened Rate (2027)	3.9%	\$273.40	\$240.92	\$233.71	\$188.30	\$160.54	\$150.00	\$135.17	\$145.66		
Average Unburdened Rate (2028)	3.9%	\$284.06	\$250.31	\$242.82	\$195.64	\$166.80	\$155.85	\$140.44	\$151.34		
Average Unburdened Rate (2029)	3.9%	\$295.14	\$260.07	\$252.29	\$203.27	\$173.30	\$161.93	\$145.92	\$157.24		
Total Direct Labor Cost											\$207,647.90
Total Labor Cost											\$207,647.90

DIRECT EXPENSES

	No.	Unit	No.	Unit	Rate				
Mileage (Site)		Trips x		Mi./Trip x	\$0.49				\$0.00
Mileage (On-Site Miles)		Trips x		Mi./Trip x	\$0.49				\$0.00
Lodging		Rooms x		Nights x	\$110.00				\$0.00
Per Diem		Staff x		Days x	\$41.00				\$0.00
Pavement Design (AES)									\$1,000.00
Total Direct Expense Cost									\$1,000.00

TOTAL FEE: **\$208,700.00**



Utility Coordination

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer I	Project Engineer IV	Lead Utility and Railroad Coordinator	Utility Coordinator I	Utility Coordination Support	Engineering Intern I	Engineering Designer II			
DIRECT LABOR												
General Requirements												
Research Utility Facilities within Project	2025				2	4	4				10	\$1,156.70
Create and Maintain Utility Files and Correspondence Records	2027				4	8	8				20	\$2,497.36
Input Data and Maintain INDOT UMS											0	\$0.00
Prepare and Distribute INDOT Letter of Project Initial Notice	2025				4	4	8				16	\$1,883.28
Prepare and Distribute Utility Letter of Facility Verification Phase	2026				4	4	8				16	\$1,956.73
Prepare and Distribute Utility Letter of Facility Conflict Identification	2026				4	4	8				16	\$1,956.73
Prepare and Distribute Utility Letter of Utility Work Plan Development	2027				4	4	8				16	\$2,033.04
Develop, Coordinate, and Submit Utility Risk Assessments											0	\$0.00
SubTotal General Requirements		0	0	0	22	28	44	0	0		94	\$11,483.84
Project Utility Meetings (including travel)												
Initial Kick off Meeting and Goal Establishment	2025				2						2	\$316.74
Utility On-site Needs Assessment for Design and Construction	2026				2	4					6	\$775.99
Progress Reports and Progress Meetings	2026				20		2				22	\$3,503.84
Preparation of Utility Exhibits for Meetings	2026				4	8					12	\$1,551.98
Prepare and Attend Preliminary Field Check					8						8	\$0.00
Internal Project Team Meetings	2027				20						20	\$3,419.27
Prepare for and Attend Final Field Check											0	\$0.00
Prepare for and Attend Conflict Resolution Meetings	2027				8	4	2				14	\$2,053.25
Coordinate Utility Work Plans with Railroad											0	\$0.00
Sub Total Project Utility Meetings		0	0	0	64	16	4	0	0		84	\$11,621.07
Utility/Design Integration												
Evaluate Potential Utility Impacts for Design Alternatives											0	\$0.00
Coordinate Utility Records and Collect One Call with Survey	2026				2	4	4				10	\$1,201.81
Integrate, Review, and Update Utility Information into Design Files											0	\$0.00
Develop and Update Utility Plan Sheets	2026				2	4					6	\$775.99
Identify and Coordinate SUE services	2026				12	4					16	\$2,421.45
Develop, Maintain, and Update Utility Conflict Matrix	2027				4	8					12	\$1,612.50
Develop and Coordinate Design Alternatives to Minimize Utility Impacts	2026				4						4	\$658.19
Sub Total Utility/Design Integration		0	0	0	24	20	4	0	0		48	\$6,669.94
Utility ROW Integration												
Identify and Obtain all Utility Property Interest Documents	2026				2	2					4	\$552.54
Integrate, Review, and Update Easement information into ROW Engineering	2026				2						2	\$329.09
Identify and Coordinate Acquisition of Parcels containing Utility Easements											0	\$0.00
Coordinate Execution of Subordination or Similar Agreements											0	\$0.00
Coordinate Acquisition of Utility ROW with INDOT Acquisition											0	\$0.00
Sub Total ROW Integration		0	0	0	4	2	0	0	0		6	\$881.63
Receive, Review, and Develop Reimbursement Documents												
Coordinate and Obtain Utility Cost Estimates	2027				4	2					6	\$916.02
Coordinate Completed Execution of Reimbursement Agreements	2027				4						4	\$683.85
Coordinate to Receive, Review, and Approve Invoices											0	\$0.00
Coordinate and Issue Letter for Final Invoice											0	\$0.00
Sub Total Receive, Review, and Develop Reimbursement Documents		0	0	0	8	2	0	0	0		10	\$1,599.87



Utility Coordination

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer I	Project Engineer IV	Lead Utility and Railroad Coordinator	Utility Coordinator I	Utility Coordination Support	Engineering Intern I	Engineering Designer II			
Receive, Review, and Develop Contract Documents												
Coordinate and Conduct Utility Constructability Reviews	2028				8	16					24	\$3,350.78
Coordinate, Review, and Approve Utility Work Plans	2028				8	16					24	\$3,350.78
Develop Utility Relocation Schedule and Master Relocation Plan	2028				2	12					14	\$1,802.56
Develop Utility Special Provisions and Contract Deliverables	2028				2	8	2				12	\$1,549.97
Sub Total Receive, Review, and Develop Contract Documents		0	0	0	20	52	2	0	0		74	\$10,054.09
Construction Phase Utility Coordination												
Distribute Utility Relocation Notice to Proceeds	2028				4		4				8	\$1,170.21
Coordinate and Track Utility Relocations	2029				4	4	8				16	\$2,194.71
Attend Construction Progress Meetings	2029				4						4	\$738.24
Issue Letter Completion of Work Plans											0	\$0.00
Submit Utility Records for State Retention											0	\$0.00
Subtotal Construction Phase Utility Coordination		0	0	0	12	4	12	0	0		28	\$4,103.16
Total Hours	ECI	0	0	0	154	124	66	0	0		344	\$46,413.59
Average Rate(2025)		\$1.00	\$1.00	\$1.00	\$158.37	\$107.53	\$102.46	\$1.00	\$1.00			
Average Rate(2026)	3.9%	\$1.04	\$1.04	\$1.04	\$164.55	\$111.72	\$106.46	\$1.04	\$1.04			
Average Rate(2027)	3.9%	\$1.08	\$1.08	\$1.08	\$170.96	\$116.08	\$110.61	\$1.08	\$1.08			
Average Rate(2028)	3.9%	\$1.12	\$1.12	\$1.12	\$177.63	\$120.61	\$114.92	\$1.12	\$1.12			
Average Rate(2029)	3.9%	\$1.17	\$1.17	\$1.17	\$184.56	\$125.31	\$119.40	\$1.17	\$1.17			
Total Labor Cost												\$46,413.59
Total Labor Cost												\$46,413.59
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)	2	Trips x		315	Mi./Trip x	\$0.49						\$308.70
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49						\$0.00
Subsurface Utility Engineering												
Total Direct Expense Cost												\$308.70
TOTAL FEE:												\$46,800.00



Delivery Method via Email

JPittman@lochgroup.com

8/4/2025

Jennifer Pittman, PE
Lochmueller Group
3502 Woodview Trace, Suite 150, Indianapolis, IN 46268

**RE: Marquette - Greenway Project Path
Gary, IN
SAM Project Number: 1025100814**

Dear Jennifer Pittman,

Surveying and Mapping, LLC (SAM) is pleased to provide you with this proposal for professional Subsurface Utility Engineering (SUE) services in connection with the above-referenced project. Based upon the request for proposal and the information provided to SAM and upon our previous experience providing SUE services for Transportation projects, we have prepared the attached proposed Scope of Services, Fee Estimate and Schedule.

These services will be performed in accordance with our attached Terms and Conditions. After you have reviewed the attached proposed Scope of Services, associated fees and schedule, please do not hesitate to call (571-292-6650) or email (michael.wine@sam.biz) if you have any questions or comments. Again, thank you for the opportunity to provide this proposal. We are looking forward to working with you on this project.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Wine', written in a cursive style.

Michael Wine
Project Manager

Cc: Joe Costell / SUE Department Manager/ SAM LLC

SAM

929 Eastwind Dr, Suite 201
Westerville, OH 43081



Marquette Greenway Path Project

PROJECT OVERVIEW

SAM proposes to provide subsurface utility engineering (SUE) services to Lochmueller Group in an attempt to identify existing subsurface utilities (minus exclusions stated below and hereafter referred to as underground utilities) within the outlined area shown on the attached EXHIBIT – A. Red polygon defines the SUE Scope. Limits more defined as a corridor with the railroad right of way being the north boundary and the road right of way defining the south boundary.

ASSUMPTIONS

- The work will be conducted in accordance with the Construction Institute (CI)/American Society of Civil Engineers (ASCE) Standard 38-02, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data. This document is the standard upon which SUE is conducted, defining the service as:
 - *The specialty practice of civil engineering's Utility Engineering branch that includes the investigation, analysis, judgment, and documentation of existing Utility networks. SUE is a type of a Utility Investigation that includes underground networks and scoped aspects of aboveground networks that results in the assignment of achieved Utility Quality Levels to nonvisible Utility Segments and Utility Features.*
- Client will provide complete access for SAM staff, equipment, and company vehicles, to the project site between the hours of 7:00 a.m. and 5:30 p.m. This does not state SAM staff will be on site during this time period. This is inclusive of sidewalks in front of businesses and private residences and curbside parking on either side of the road.
- Client will notify local property owners of the work activities and schedule.
- Client will facilitate coordination with the site owners to the extent required.
- Client will provide copies of available records for existing facilities and improvements prior to commencement of work.
- Client will provide CAD file of existing survey information including previously found utilities, topographic features and survey control prior to the commencement of work.
- Client will facilitate work; excavation permits and entry forms to the extent required by the project.
- Project specific training will not be required.
- Confined space entry is not required.
- Traffic control requiring lane closures, traffic detouring, flag persons, police, etc., is considered special traffic control and is included in this scope of services.
- Unless requested, utilities designated will not include: a) storm and sanitary sewer mains or laterals (except metallic force mains, b) non-accessible empty conduits or empty utilities, c) vault or manhole limits/ dimensions, d) irrigation, fountain or sprinkler systems, e) underground storage tanks and associated piping/ wiring, f) traffic loop detectors, g) utility tunnels, h) traffic control/signalization related power and communications, i) illumination wiring, j) railroad signalization, k) grounding grids, l) grease traps and associated piping, m) septic tanks and distribution boxes, drain fields or abandoned wells.
- Electronic depths is not included in this proposal.
- SAM estimates a total of 20,000 linear feet of QL-B designating based upon client direction. If scope increases to more than the estimated footage, further fees may apply.
- SAM will utilize a sub consultant for railroad flagging services.
- Service lines to schools, subdivisions, and commercial buildings within the project footprint shall be located.
- This work does not include de-watering vaults/manholes of telecom and or electric utilities. SAM will request this work to be done by the utility owner or can supply a supplemental fee for this work.



- Paint markings placed on the ground by SAM are to be used for design purposes only and not for construction. The use of this information does not relieve any contractor or the Client from the duty to comply with applicable utility damage prevention laws and regulations, including, but not limited to, providing notification to utility owners or One-Call centers before excavation.
- Record information utilized to create digital line work is placed in accordance with professional judgement as a best fit alignment. In doing this, the owner should be aware of the inaccuracies that may accompany these decisions.
- This proposal is valid for a period of 90 days.

SCOPE OF SERVICES

Subsurface Utility Engineering

Records Research - Quality Level D

- Conducting utility records research to assist in identifying utility owners that may have facilities on or be affected by the project. Applicable utility owner records will be requested, responses will be documented, and record information will be compiled. Designating staff will review records for indications of additional available records, duplicate information, and a need for clarifications by utility owners.

Incorporate Above Ground Features - Quality Level C

- Identifying surface features on the topographic plan and ground surface that are surface appurtenances of existing subsurface utilities. If records and features do not agree, further record review and field reconnaissance will be undertaken to resolve discrepancies. Work will incorporate Quality Level D findings.

Designating and Marking - Quality Level B

SAM staff will utilize the suite of geophysical equipment in each vehicle to attempt to designate the utilities identified in the Project Overview within the area(s) of interest. Area of Interest may change throughout the duration of the project before SUE services are required. Quality Level B services for this project include:

- Obtaining permits from city, county, or other municipalities to allow SAM, LLC staff to work in streets, roads, or right-of-ways.
- Utilizing normal traffic control, including standard placement of traffic cones, freestanding warning signage and vehicle-mounted traffic directional sign.
- Designating and marking underground utilities within the project limits using an appropriate suite of surface geophysical methods. Equipment that may be utilized includes:
 - Radiodetection - RD8100, Metrotech Vivax vLoc3-Pro, and Metrotech Vivax VM
 - Acoustic - ULTRA-TRAC® Acoustic Pipe Locator
 - GPR - Single and/or Dual Frequency
 - Magnetic locators
 - Rodders, Sondes (transmitters) and Receivers for non-conductive utility detection, other than electric
- Marking the utilities at maximum 50-foot intervals and at changes in direction.
- Attempting to locate water lines, force mains, and other non-tonable utilities using ground penetrating radar. If successful, these utilities will be marked as Quality Level B. If unsuccessful, these utilities will be marked Quality Level D. If appropriate, Test Holes may be recommended to establish the precise location for design.
- Marking each utility run with the appropriate surveying code and number for each mark. This will be noted on the field sketch for use by the surveyor and our quality control staff.



- SAM will survey markings, and any other pertinent information, as is reasonably ascertainable, that indicate the presence of a utility. Horizontal data will be held to the accuracies and precision dictated by the project's survey control.
- Plotting survey data on base plans provided by client using either AutoCAD or MicroStation platforms.

Exposing/Locating - Quality Level A

Quality Level A services will include performing an estimated 15 test holes to establish the exact location and elevation of critical utilities that may conflict with future construction. SAM will use minimally intrusive excavation techniques that protect the integrity of the utilities in question, and that of other lines that may be encountered. The test hole will be excavated using air and/or water assisted vacuum excavation equipment intended for this purpose.

The excavation procedure will include:

- Clearing the Test Hole area of surface debris.
- In paved areas, neatly cutting and removing existing pavement. Cut shall not exceed 225 square inches unless otherwise approved.
- Excavating the Test Hole utilizing the above-described equipment. The nominal diameter will not exceed 15 inches unless otherwise approved. Care will be taken to avoid damaging lines, wrappings, coatings, cathodic protection or other protective coverings and features. Hand digging will be conducted to the extent necessary to supplement the vacuum excavation process.
- Exposing the utility only to the extent required for identification and data collection purposes.
- Storing excavated material for re-use or disposal at an approved location near the project, as appropriate.

Data collected from the Test Hole will be recorded on a standard SAM, LLC Test Hole Data Sheet. The location will be shown on the drawing. Data will include:

- Utility owner (if known)
- Top and/or bottom elevation of the utility relative to an above ground mark to a vertical accuracy of +/- 0.05 feet.
- Field sketch showing horizontal location referenced to a minimum of two physical structures existing in the field.
- Approximate centreline bearing of utility.
- Outside diameter of pipe, width of duct bank, and configuration of multi-conduit systems.
- Utility structure material composition, when reasonably ascertainable.
- Other pertinent information.

Site restoration will include:

- Replacing bedding material around exposed utility lines.
- Backfilling and compacting the excavation using a steel tamper bar in one-foot lifts.
- As applicable, providing permanent pavement restoration within the limits of the original cut using materials, compaction, and pavement thickness similar or equal to that found.
- For excavations in unpaved areas, restoring disturbed area, to the extent practical, to reflect pre-existing conditions.
- Furnishing and installing permanent surface marker (e.g., P.K. nail, peg, steel pin, or hub) directly above the centreline of the utility.
- Surveying the test hole marker.



Limits Of Technology

- Our success in performing the scope of services for this work is limited to the extent of the technology utilized. Non-metallic piping, inactive electric and/or communication lines may or may not be found. SAM will not be responsible for omission of utility information that is not obtainable via equipment and methodologies it employs on this project.
- The accuracy of subsurface data can be influenced by factors beyond our control such as conductivity of materials and their surroundings, soil moisture content, proximity of other underground utilities or structures, depth of utility, etc. Therefore, physical verification (through vacuum excavation or otherwise) is the only subsurface utility data that is collected to applicable engineering and/or surveying standards.
- Other surface geophysical methods, such as terrain conductivity and point to source transmitters can be used, as appropriate. These techniques, although typically involving extra expense, can further refine the utility model. Generally, these extra refinements are not cost effective, and SAM will not apply these techniques without authorization of the client.

PROJECT DELIVERABLES

SAM will provide the following project deliverables:

- CAD Drawing
- Test Hole Report
- Field Sketch
- SSDS
- Site Photos

PROJECT SCHEDULE

Based on a written agreement and notice to proceed, we will mobilize within 21 days and complete the Quality Level B and initial Quality Level A work in a safe and efficient manner working 7:00 a.m. to 5:30 p.m. Monday - Friday pending no weather delays or conditions beyond our control. SAM, LLC will submit the deliverable drawings and CAD file within 14 days upon the final collection of field data. Weather will be paramount to the success of a geophysical investigation and changing weather conditions may elongate the schedule of services. The project manager for SAM will keep the client apprised of the progress and any delays that occur.

FEES

SAM will provide QL-B Services on a TIME and MATERIALS basis, per the attached Contract Rate Schedule, for an estimated fee of.....\$40,000.00.

SAM will provide QL-A test hole Services on a TIME and MATERIALS basis, per the attached Contract Rate Schedule, for an estimated fee of.....\$34,802.80.

SAM will provide Railroad Coordination for each occurrence per the attached Contract Rate Schedule, for an estimated fee of.....\$2,000.00.

SAM will provide a Railroad Flagger Day Rate per the attached Contract Rate Schedule, for an estimated fee of.....\$1,670.00.



SAM will provide a MOT Day Rate WITHOUT a Law Enforcement Officer per the attached Contract Rate Schedule, for an estimated fee of.....\$1,570.00.

SAM will provide MOT Day Rate WITH a Law Enforcement Officer, per the attached Contract Rate Schedule, for an estimated fee of.....\$2,370.00.

EXHIBIT A – Project Limits

- Lochmueller Group provided estimated project pathway.
- SAM proposed SUE scope.

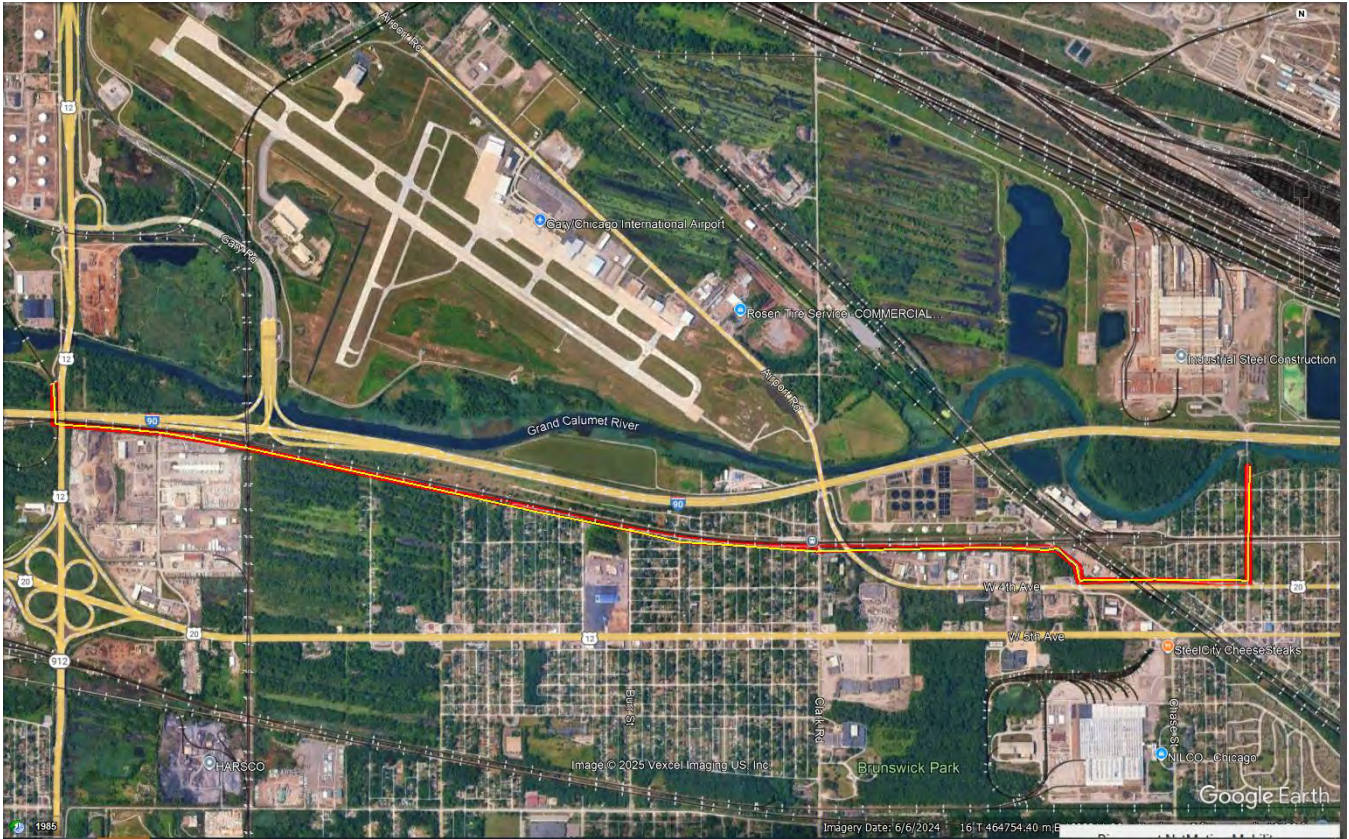




EXHIBIT B – Rate Schedule

STANDARD RATE SCHEDULE
COLUMBUS 2025

Effective January 2025

SURVEY OFFICE PERSONNEL RATES:

Office / Department Manager	\$275.00	per hour
Senior Project Manager / BIM Operations Manager	\$255.00	per hour
Project Manager	\$205.00	per hour
Staff Surveyor	\$165.00	per hour
Phase Manager	\$170.00	per hour
Project Coordinator	\$135.00	per hour
BIM Office Technician III	\$150.00	per hour
BIM Office Technician II	\$125.00	per hour
BIM Office Technician I	\$100.00	per hour
Senior Office Technician	\$115.00	per hour
Office Technician III	\$110.00	per hour
Office Technician II	\$105.00	per hour
Office Technician I	\$100.00	per hour
Project Specialist	\$125.00	per hour
Administration / Clerical Support	\$115.00	per hour

SURVEY FIELD CREW RATES:

Field Ops Manager	\$175.00	per hour
Field Coordinator / Supervisor	\$135.00	per hour
One (1) Person Survey Field Crew	\$115.00	per hour
Two (2) Person Survey Field Crew	\$195.00	per hour
Three (3) Person Survey Field Crew	\$275.00	per hour
Additional Rodperson or Flagperson	\$80.00	per hour

UTILITY ENGINEERING OFFICE PERSONNEL RATES:

Office / Department Manager	\$275.00	per hour
Senior Project Manager	\$255.00	per hour
Project Manager / Senior Engineer	\$215.00	per hour
Staff Engineer	\$180.00	per hour
Phase Manager	\$170.00	per hour
Senior Office Technician	\$115.00	per hour
Office Technician III	\$110.00	per hour
Office Technician II	\$105.00	per hour
Office Technician I	\$100.00	per hour
Project Specialist	\$125.00	per hour



Administration / Clerical Support \$115.00 per hour

UTILITY ENGINEERING FIELD CREW RATES:

Field Ops Manager \$175.00 per hour
Field Coordinator / Supervisor \$135.00 per hour
Field Technician III \$110.00 per hour
Field Technician II \$95.00 per hour
Field Technician I \$90.00 per hour

UTILITY COORDINATION OFFICE PERSONNEL RATES:

Office / Department Manager \$265.00 per hour
Project Manager / UC Manager \$245.00 per hour
Senior Utility Coordinator \$195.00 per hour
Utility Coordinator III \$160.00 per hour
Utility Coordinator II \$140.00 per hour
Utility Coordinator I \$115.00 per hour
Project Specialist \$125.00 per hour
Administration / Clerical Support \$100.00 per hour

UTILITY COORDINATION FIELD CREW RATES:

Senior Utility Construction Engineering Inspector \$175.00 per hour
Utility Construction Engineering Inspector III \$160.00 per hour
Utility Construction Engineering Inspector II \$135.00 per hour
Utility Construction Engineering Inspector I \$125.00 per hour

AERIAL OFFICE PERSONNEL RATES:

Director / Operations Manager \$375.00 per hour
Senior Project Manager \$275.00 per hour
Acquisition Manager \$250.00 per hour
Project Manager \$210.00 per hour
Aircraft Pilot \$225.00 per hour
UAS Pilot \$130.00 per hour
Project Lead / Sr. Office Technician / Sensor Op Lead (SR Tech 3) \$145.00 per hour
Two (2) Person UAS Geo Crew – Unmanned Pilot & Observer \$260.00 per hour
Three (3) Person UAS Crew – Unmanned Pilot & 2 Observers \$390.00 per hour
Photogrammetrist / Project Lead /sensor operator (Tech3) \$135.00 per hour
Acquisition / Calibration / Aerial Triangulation Technician (Tech2) \$120.00 per hour
LiDAR / Photogrammetry/GIS Technician (Tech1) \$105.00 per hour



GIS OFFICE PERSONNEL RATES:

GIS Office Manager	\$300.00	per hour
Director / Operations Manager	\$250.00	per hour
Senior Project Manager	\$175.00	per hour
Project Manager	\$145.00	per hour
Phase Manager	\$135.00	per hour
Registered Landscape Architect	\$275.00	per hour
GIS Office Technician 1	\$100.00	per hour
GIS Office Technician 2	\$110.00	per hour
GIS Office Technician 3	\$125.00	per hour
Field Coordinator	\$115.00	per hour
GIS Field Technician	\$95.00	per hour
IT / Web Administrator	\$210.00	per hour
Programmer / Solutions Architect	\$165.00	per hour
GIS Integrator/Enterprise Specialist	\$325.00	per hour
Administrative / Clerical Support	\$135.00	per hour

SAM EQUIPMENT RATES:

GPS Receiver	\$13.00	per hour
Robotic Total Station S-7	\$20.00	per hour
Robotic Total Station S-9	\$20.00	per hour
SX-10/12	\$55.00	per hour
Tier 1 HDS Scanner (BLK360 & Faro)	\$40.00	per hour
Tier 2 HDS Scanner RTC 360	\$125.00	per hour
Tier 3 HDS Scanner Leica P20, P40, P50	\$72.00	per hour
Trimble x7 Scanner	\$55.00	per hour
Trimble x9 Scanner	\$60.00	per hour
Trimble x12 Scanner	\$125.00	per hour
SLAM Scanners [NaVVis]	\$40.00	per hour
Digital Level	\$30.00	per hour
UTV	\$25.00	per hour
Echo Sounder – Remote Controlled Boat	\$37.00	per hour
Echo Sounder-Sonarmite	\$20.00	per hour
VM810	\$6.00	per hour
RD8000	\$6.00	per hour
vLoc3RTKPro	\$6.00	per hour
IKE-IKE4	\$60.00	per hour
Tool Tracking Equipment (Hans Box & Traxall)	\$13.00	per hour
Weather Station	\$10.00	per hour
Vacuum Excavator Truck (Standard)	\$130.00	per hour
Vacuum Excavator Truck (Hybrid)	\$170.00	per hour
Vacuum Excavator Towed Trailer	\$65.00	per hour



Vacuum Excavator (Canister)	\$5.00	per hour
Magnetometer (EM-61)	\$71.00	per hour
Ground Penetrating Radar (Push Cart)	\$30.00	per hour
GPR Towed (Towed)	\$360.00	per hour
Confined Space Entry Package (CSE)	\$14.00	per hour
Large Rodder	\$13.00	per hour
vCam Push Camera	\$10.00	per hour
All Material Locator (AML PRO)	\$25.00	per hour
Bathymetric Sensor (Fathom)	\$2,500.00	per hour
Riegl VQ 1560II	\$1,300.00	per hour
Riegl 480II or 780I	\$1,000.00	per hour
Mobile Mapping System includes 360° Camera System (Equipment Only)	\$1,000.00	per hour
Mobile Mapping Equipment Stand-by Fee (Equipment Only)	\$200.00	per hour
FLIR Corona 350 with a Quad-Camera Gimbal System	\$300.00	per hour
Oblique HD Camera System – Manned Aircraft	\$30.00	per hour
Video Camera System – Manned Aircraft	\$5.00	per hour
360° Camera System – Terrestrial or Marine Stand Alone	\$100.00	per hour
Helicopter (Turbine Engine Powered)	\$1450.00	per hour
Helicopter (Reciprocal Engine Powered)	\$850.00	per hour
Fixed Wing Twin Engine (Piston)	\$1300.00	per hour
Fixed Wing Single Engine (Piston)	\$750.00	per hour
Fixed Wing Single Engine (Turbine)	\$1400.00	per hour
UAS Autel Devon2 / Mavic / Phantom/ Small Lift TIER 1	\$50.00	per hour
UAS Alta-X / Galaxy / SkyFront Heavy Lift w/ LiDAR TIER 3	\$300.00	per hour
UAS M600 type Inspection Platform TIER 2	\$75.00	per hour
UAV – Phoenix-Astro Lidar	\$140.00	per hour
UAV – Skydio x10	\$13.00	per hour
Geospatial Work Station	\$15.00	per hour
VRS Network	\$4.20	per hour
SL RAT	\$20.00	per hour

Aerial Equipment Fees:

Manned Aircraft fees are incurred at the per hour rate for mobilization and acquisition with point of origin from one of our Airport Bases: Austin, TX; Atlanta, GA; Moore Co, NC and Easton, MD.



OTHER DIRECT RATES:

Lodging/Per Diem*	GSA
Mileage	\$1.20 per mile
Additional Vehicle (plus mileage)	\$20.00 per hour
Environmental Supplies	\$25.00 per day
Recording Fees	At Cost plus 10%
Permitting Fees	At Cost plus 10%
Third-Party Traffic Control	At Cost plus 10%
Metered Water	At Cost plus 10%
Backfill Material	At Cost plus 10%
Spoils Disposal	At Cost plus 10%
Coring	At Cost plus 10%
Document Reproduction	At Cost plus 10%
Records Collection Fees	At Cost plus 10%
All other services not described	At Cost plus 10%

NOTES:

*Per Diem based on GSA rates and may change depending on location and availability of accommodations. This is a general practice and used for estimating purposes.

All holiday, travel, per diem, etc., and all additional items not listed herein shall only be permitted where approved by Company in writing and in advance for any particular project.

Overtime Rates:

The Overtime Rate for Field Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 8 hours per day. The Overtime Rate for Office Survey Personnel shall be computed at 1.5 times the hourly rate in excess of 8 hours per day.

Travel & Subsistence:



All travel and subsistence expenses for personnel are invoiced at GSA Rates or as allowed by the Client contract. Cost of mileage on company-owned vehicles is computed at \$0.93 cents per mile.

Purchased Services:

All purchase services are invoiced at actual cost plus ten percent (10%) administrative fee. These include but are not limited to reproduction, computer time, long distance telephone, consultants, subcontract services, rented or leased equipment, expendable supplies, and project required special supplies.

Taxes:

Any state/local sales tax or gross receipts tax, if applicable to the services provided, are in addition to the hourly rates and will be applied on the invoice for services.

Labor Rate Adjustment:

The Schedule of Rates will remain in force for a six (6) month period from the effective date of utilization and subject to an escalation on each "six (6) month anniversary date" unless otherwise agreed to by Client contract. The escalation rate shall be the most recent 6-month Employment Cost Index (ECI) as published by the United States Department of Labor (DOL), Bureau of Labor Statistics. In no event shall the next six (6) month Schedule of Rates be less than the prior period.



EXHIBIT C

STANDARD TERMS AND CONDITIONS (State of Ohio)

1. Access To Site - Unless otherwise stated, Surveying And Mapping, LLC, a Texas limited liability company (“SAM”) will have access to the project site for activities necessary for the performance of the services. SAM will take precautions to minimize damage due to these activities but has not included in the fee the cost of restoration of any resulting damage.
2. Ownership Of Documents - Client acknowledges that all original papers, documents, maps, surveys, digital data and other work product and copies thereof, produced by SAM pursuant to this Agreement shall remain the property of SAM except documents which are to be filed with public agencies. Client further acknowledges that Client’s right to utilize the services and work product performed pursuant to this Agreement will continue only so long as Client is not in default pursuant to the terms and conditions of this Agreement and Client has performed all obligations under this Agreement.
3. Copyright - The parties hereto agree that all protections of the United States and the greater of the protections afforded SAM by Texas state copyright laws and the copyright laws of the state in which the project is performed shall be applicable to the work product to the benefit of SAM, including common law and statutory law, whether or not any copyright for such work product actually is registered, and without regard to whether or not such copyright actually applies to such work product.
4. Invoices - Invoices for fees and all other charges will be submitted monthly for all services rendered as the work progresses, and the net amount shall be due and payable as of the date of the invoice at SAM’s office in Austin, Travis County, Texas.
5. Client's Obligation to Pay - Client's obligation to pay is solely that of Client, and the acts or omissions of any third party shall not affect that obligation. All sums due and not received shall be construed as past due. To cover the costs of collection, all past-due amounts will incur a late charge of one and one-half percent (1 ½ %) per month until paid. The Client shall pay all attorney’s fees or court costs incurred by SAM in collecting any past-due amounts. In the event that Client fails to pay SAM within thirty (30) days after invoices are rendered, then Client agrees that SAM shall have the right to stop or suspend work and consider the non-payment as grounds for a total breach of this Agreement.
6. Termination Of Services - This Agreement may be terminated by either party upon five (5) days’ written notice, by mutual consent or in the event of persistent failures of performance of material terms and conditions of this Agreement by the other party through no fault of the terminating party. SAM shall then be paid for the services completed up to the time of the termination date based upon the attached Rate Schedule.
7. Dispute Resolution – If a dispute arises out of or in connection with or relation to this Agreement, the parties shall endeavor reasonably to settle the dispute through direct discussions. If a dispute is not resolved through direct discussions, claims or disputes in connection with the services provided under this Agreement between Client and SAM shall be submitted to non-binding mediation in Austin, Travis County, Texas. In the event non-binding mediation does not result in resolution of the claim or dispute, the dispute shall be resolved by litigation in the courts of the state in which the services are performed, and the parties hereby consent and submit to exclusive venue in, and the exclusive jurisdiction of, such courts and waive all rights to proceed in any other venue or jurisdiction. Client and SAM agree to include a similar dispute resolution agreement with all contractors, subcontractors, subconsultants, suppliers and fabricators, thereby providing for mediation as the primary method for dispute resolution between all parties. The substantially prevailing party in any litigation arising out of or relating to this Agreement shall be entitled to recover from the other party reasonable attorneys’ fees, costs, and expenses incurred by the prevailing party.
8. Governing Law - This Agreement shall be construed and enforced in accordance with the laws of the state of Ohio.
9. Indemnification - The Client shall, to the fullest extent permitted by law, indemnify and hold harmless SAM, its officers, directors, members, managers, employees, agents, insurers and subconsultants (collectively “SAM Parties”) from and against all damages, liabilities, penalties, fees, claims, suits and costs, including reasonable attorney's fees and defense



costs, arising out of or in any way connected with the performance by any of the SAM Parties of the services under this Agreement, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of SAM.

- 10. Limitation Of Liability - In recognition of the relative risks, rewards and benefits of the project to both the Client and SAM, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, total liability to the Client for any and all injuries, claims, suits, costs, liabilities, fees, losses, expenses, penalties, fines, damages or claim expenses arising out of this Agreement from any cause or causes shall not exceed the total fee paid by the Client to SAM, excluding any sales tax, for the services rendered. Such causes include, but are not limited to, SAM's negligence, errors, omissions, strict liability, breach of contract or breach of warranty. Except for the indemnification provisions provided herein, neither party shall be liable to the other for consequential, incidental, indirect, punitive or special damages (including loss of profits, data, business or goodwill), regardless of the legal theory advanced or of any notice given as to the likelihood of such damages.
- 11. Authority - Client affirmatively represents and states that he/she is authorized to enter into this Agreement, either as the owner or an officer of Lochmueller Group, or as Company's duly authorized agent, trustee or receiver for the purpose of entering into this Agreement.
- 12. Professional Services - All engineering and surveying services are regulated under the Ohio State Board for Professional Engineers and Surveyors.
- 13. Use of Work Product - SAM acknowledges that Client is requesting services to be performed under the applicable work order(s) for the purpose of providing such information to other parties including, but not limited to, clients, customers, governmental entities and other interested parties. Client agrees that the work product prepared by SAM may not be altered in any way except for the addition of page numbers or exhibit captions necessary to incorporate that work product into other documents. SAM agrees to provide copies of the work product mutually agreed upon by both parties described in the work orders hereof.
- 14. Subpoenas or Requests for Information - In the event SAM or any of its personnel are requested or authorized by the Client or third parties with which the Client is involved in a claim or dispute or, are required by government regulation, subpoena, or other legal process, to produce any information or our personnel as witnesses with respect to the services performed by SAM hereunder, the Client will, so long as neither SAM nor its personnel are a party to the proceeding in which the information or personnel are sought, reimburse SAM for its professional time and expenses, as well as the actual fees and expenses of SAM's counsel, incurred in responding to such requests.

SURVEYING AND MAPPING, LLC

COMPANY NAME: _____

Signature: _____

Signature: _____

Date: _____

Date: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____



Railroad Coordination

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer I	Project Engineer IV	Lead Utility and Railroad Coordinator	Utility Coordinator I	Utility Coordination Support	Engineering Intern I	Engineering Designer II			
DIRECT LABOR												
General Railroad Coordination												
Research and Determine RR Involvement	2027				4		4				8	\$1,126.29
Build RR Files	2027				8		8				16	\$2,252.57
Input and update data into INDOT RRA	2027										0	\$0.00
Develop Scope of Work and Project Sketch	2027				6						6	\$1,025.78
Initiate Contact with RR Public Project Engineer	2027				4		2				6	\$905.07
Coordinate Fiscal Year RR PE Authorization	2027										0	\$0.00
Obtain PE Funding PO from INDOT oversight	2027										0	\$0.00
Coordinate and Complete Preliminary Engineering (PE) Agreement	2027				6						6	\$1,025.78
Coordinate, Obtain, and Review RR Force Account Estimate (FAE)	2027				8						8	\$1,367.71
Arrange and attend Diagnostic Preliminary Field Check with RR (&/or RR's GEC)	2027				8						8	\$1,367.71
Coordinate Right-of-Entry (ROE)/Insurance Agreements	2025				12						12	\$1,900.44
Arrange and attend Final Field Check with RR (&/or RR's GEC)	2029										0	\$0.00
Coordinate with RR for Special Provisions and Liability Ins Requirements	2029				12		4				16	\$2,692.32
Prepare RR Certification	2029				4		4				8	\$1,215.85
SUBTOTAL: General Railroad Coordination		0	0	0	72	0	22	0	0		94	\$14,879.52
Concept Design Stage Plans												
Provide Descriptive Scope of Work	2026				6		2				8	\$1,200.19
Complete RR Application	2026				12						12	\$1,974.56
Submit Preliminary "Concept" Plans for RR Review	2026				6						6	\$987.28
SUBTOTAL: Concept Design Stage Plans		0	0	0	24	0	2	0	0		26	\$4,162.03
30% Design Stage Plans												
Submit 30% Plans for RR Review	2026				6						6	\$987.28
Coordinate Revisions to Plans per RR Review Comments	2026				6						6	\$987.28
Generate Response to Comments per RR Review	2026				6		4				10	\$1,413.10
SUBTOTAL: 30% Design Stage Plans		0	0	0	18	0	4	0	0		22	\$3,387.66
PFC Design Stage Plans												
Submit PFC Plans for RR Review	2027										0	\$0.00
Coordinate Revisions to Plans per RR Review Comments	2027										0	\$0.00
Generate Response to Comments per RR Review	2027										0	\$0.00
SUBTOTAL: PFC Design Stage Plans		0	0	0	0	0	0	0	0		0	\$0.00
60% Design Stage Plans												
Submit 60% Stage 2 Plans for RR Review	2027				6						6	\$1,025.78
Coordinate Revisions to Plans per RR Review Comments	2027				6						6	\$1,025.78
Generate Response to Comments per RR Review	2027				6		4				10	\$1,468.21
SUBTOTAL: 60% Design Stage Plans		0	0	0	18	0	4	0	0		22	\$3,519.78
100% Design Stage Plans												
Submit 90% Stage 3 Plans for RR Review	2029				6						6	\$1,107.35
Coordinate Revisions to Plans per RR Review Comments	2029				6						6	\$1,107.35
Generate Response to Comments per RR Review	2029				6		4				10	\$1,584.97
SUBTOTAL: 100% Design Stage Plans		0	0	0	18	0	4	0	0		22	\$3,799.67



Railroad Coordination

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer I	Project Engineer IV	Lead Utility and Railroad Coordinator	Utility Coordinator I	Utility Coordination Support	Engineering Intern I	Engineering Designer II			
Construction Phase Utility Coordination												
Railroad Coordination Meetings	2029									0	\$0.00	
Coordinate PFC with RR Engineer	2029									0	\$0.00	
Attend PFC Meeting	2029									0	\$0.00	
Coordinate FFC with RR Engineer	2029									0	\$0.00	
Attend FFC Meeting	2029				6		4			10	\$1,584.97	
Coordinate Pre-Construction Conference with RR Engineer	2029				8					8	\$1,476.47	
Attend Pre-Construction Meeting	2029				4					4	\$738.24	
Coordinate Final Inspection with RR Engineer	2029									0	\$0.00	
Attend Final Inspection	2029									0	\$0.00	
SUBTOTAL: Construction Phase Utility Coordination		0	0	0	18	0	4	0	0	22	\$3,799.67	
Post Letting												
Coordination with RR and Contractor	2029				8					8	\$1,476.47	
Project Close Out	2029				4		4			8	\$1,215.85	
SUBTOTAL: Post Letting		0	0	0	12	0	4	0	0	16	\$2,692.32	
Total Hours	ECI	0	0	0	180	0	44	0	0	224	\$36,240.66	
Average Rate(2025)		\$1.00	\$1.00	\$1.00	\$158.37	\$107.53	\$102.46	\$1.00	\$1.00			
Average Rate(2026)	3.9%	\$1.04	\$1.04	\$1.04	\$164.55	\$111.72	\$106.46	\$1.04	\$1.04			
Average Rate(2027)	3.9%	\$1.08	\$1.08	\$1.08	\$170.96	\$116.08	\$110.61	\$1.08	\$1.08			
Average Rate(2028)	3.9%	\$1.12	\$1.12	\$1.12	\$177.63	\$120.61	\$114.92	\$1.12	\$1.12			
Average Rate(2029)	3.9%	\$1.17	\$1.17	\$1.17	\$184.56	\$125.31	\$119.40	\$1.17	\$1.17			
										Total Labor Cost	\$36,240.66	
											Total Labor Cost	\$36,240.66
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)	2	Trips x		315	Mi./Trip x	\$0.49					\$308.70	
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49					\$0.00	
										Total Direct Expense Cost	\$308.70	
TOTAL FEE:											\$36,600.00	



Lighting Design -

Bridge Rail Lighting on Existing RR Bridge

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II		
DIRECT LABOR											
PFC Plans											
Front-end Coord. w/ Road & Bridge staff	2026		2			1				3	\$594.24
Project Coord. w/ City (design & equip preferences)	2026		2			1				3	\$594.24
Lighting Vendor Coord.	2026		2							2	\$449.87
Electric Utility Coordination - Service Point(s) Determination (Lighting)	2026		1			1				2	\$369.30
Prelim Lighting Plan Sheet Development	2026		2			4				6	\$1,027.34
Prelim Lighting Detail Sheets	2026		2			3				5	\$882.97
Prelim Lighting Qtys	2026		1			2				3	\$513.67
Prelim Estimate - Lighting	2026		1			1				2	\$369.30
QA/QC	2026	2				2				4	\$815.01
Site Visit	2026					6				6	\$866.21
SUBTOTAL: PFC Plans		2	13	0	0	21	0	0	0	36	\$6,482.15
Stage 3 Plans											
Revise Prelim Lighting Plans Per PFC Review	2027		2			3				5	\$917.41
Prepare Final Lighting Plan Sheets	2027		2			4				6	\$1,067.41
Prepare Final Lighting Detail Sheets	2027		2			4				6	\$1,067.41
Wire/Breaker Size and Voltage Drop Calcs	2027	1				2				3	\$573.40
Lighting Special Provisions	2027		2							2	\$467.41
QA/QC	2027	2				2				4	\$846.80
SUBTOTAL: Stage 3 Plans		3	8	0	0	15	0	0	0	26	\$4,939.83



Lighting Design -

Bridge Rail Lighting on Existing RR Bridge

Project Name:	Marquette Greenway: West Gary Phase - Phase 2
Client:	Northwestern Indiana Regional Planning Commission
Des. No.:	2400062
RFP No.:	N/A
Lochgroup Project No.:	125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II			
Final Tracings												
Revise Plans per Stage 3 Review	2029		2			2					4	\$828.44
Final Const. Cost Est. & Final Est. of Qtys	2029		2			2					4	\$828.44
Final Special Provisions	2029		2								2	\$504.58
QA/QC	2029	2	1			2					5	\$1,166.43
Review Shop Drawings for prop. Lighting Items	2029	2	1								3	\$842.57
RFI's during contract bidding phase	2029		2								2	\$504.58
SUBTOTAL: Final Tracings		4	10	0	0	6	0	0	0		20	\$4,675.03
Total Hours	ECI	9	31	0	0	42	0	0	0		82	\$16,097.02
Average Rate(2025)		\$253.26	\$216.49	\$0.00	\$0.00	\$138.95	\$0.00	\$0.00	\$0.00			
Average Rate(2026)	3.9%	\$263.14	\$224.93	\$0.00	\$0.00	\$144.37	\$0.00	\$0.00	\$0.00			
Average Rate(2027)	3.9%	\$273.40	\$233.71	\$0.00	\$0.00	\$150.00	\$0.00	\$0.00	\$0.00			
Average Rate(2028)	3.9%	\$284.06	\$242.82	\$0.00	\$0.00	\$155.85	\$0.00	\$0.00	\$0.00			
Average Rate(2029)	3.9%	\$295.14	\$252.29	\$0.00	\$0.00	\$161.93	\$0.00	\$0.00	\$0.00			
Total Labor Cost												\$16,097.02
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)	2	Trips x		120	Mi./Trip x	\$0.49						\$117.60
Mileage (On-Site Miles)	2	Trips x		10	Mi./Trip x	\$0.49						\$9.80
Total Direct Expense Cost												\$127.40
TOTAL FEE:												\$16,300.00



Lighting Design - Underpass Lighting US 12/Cline Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II		
DIRECT LABOR											
PFC Plans											
Front-end Coord. w/ Road & Bridge staff	2026		2			1				3	\$594.24
Project Coord. w/ City (design & equip preferences)	2026		2			1				3	\$594.24
Lighting Vendor Coord.	2026		1							1	\$224.93
Electric Utility Coordination - Service Point(s) Determination (Lighting)	2026		1			1				2	\$369.30
Prelim Lighting Plan Sheet Development	2026		1			3				4	\$658.04
Prelim Lighting Detail Sheets	2026		2			3				5	\$882.97
Prelim Lighting Qtys	2026		1			2				3	\$513.67
Prelim Estimate - Lighting	2026		1			1				2	\$369.30
QA/QC	2026	2				2				4	\$815.01
Site Visit	2026					6				6	\$866.21
SUBTOTAL: PFC Plans		2	11	0	0	20	0	0	0	33	\$5,887.92
Stage 3 Plans											
Revise Prelim Lighting Plans Per PFC Review	2027		1			2				3	\$533.70
Prepare Final Lighting Plan Sheets	2027		1			3				4	\$683.70
Prepare Final Lighting Detail Sheets	2027		2			4				6	\$1,067.41
Wire/Breaker Size and Voltage Drop Calcs	2027	1				2				3	\$573.40
Lighting Special Provisions	2027		2							2	\$467.41
QA/QC	2027	2				2				4	\$846.80
SUBTOTAL: Stage 3 Plans		3	6	0	0	13	0	0	0	22	\$4,172.42



Lighting Design - Underpass Lighting US 12/Cline Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II			
Final Traching Plans												
Revise Plans per Stage 3 Review	2029		2			2					4	\$828.44
Final Const. Cost Est. & Final Est. of Qtys	2029		2			2					4	\$828.44
Final Special Provisions	2029		2								2	\$504.58
QA/QC	2029	2	1			2					5	\$1,166.43
Review Shop Drawings for prop. Lighting Items	2029	2	1								3	\$842.57
RFI's during contract bidding phase	2029		2								2	\$504.58
SUBTOTAL: Final Traching Plans		4	10	0	0	6	0	0	0		20	\$4,675.03
Total Hours	ECI	9	27	0	0	39	0	0	0		75	\$14,735.37
Average Rate(2025)		\$253.26	\$216.49	\$0.00	\$0.00	\$138.95	\$0.00	\$0.00	\$0.00			
Average Rate(2026)	3.9%	\$263.14	\$224.93	\$0.00	\$0.00	\$144.37	\$0.00	\$0.00	\$0.00			
Average Rate(2027)	3.9%	\$273.40	\$233.71	\$0.00	\$0.00	\$150.00	\$0.00	\$0.00	\$0.00			
Average Rate(2028)	3.9%	\$284.06	\$242.82	\$0.00	\$0.00	\$155.85	\$0.00	\$0.00	\$0.00			
Average Rate(2029)	3.9%	\$295.14	\$252.29	\$0.00	\$0.00	\$161.93	\$0.00	\$0.00	\$0.00			
										Total Labor Cost		\$14,735.37
DIRECT EXPENSES												
	No.	Unit		No.	Unit	Rate						
Mileage (Site)	2	Trips x		120	Mi./Trip x	\$0.49						\$117.60
Mileage (On-Site Miles)	2	Trips x		10	Mi./Trip x	\$0.49						\$9.80
										Total Direct Expense Cost		\$127.40
TOTAL FEE:												\$14,900.00



Lighting Design - Underpass Lighting 4th Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II			
DIRECT LABOR												
PFC Plans												
Front-end Coord. w/ Road & Bridge staff	2026		2			1					3	\$594.24
Project Coord. w/ City (design & equip preferences)	2026		2			1					3	\$594.24
Lighting Vendor Coord.	2026		1								1	\$224.93
Electric Utility Coordination - Service Point(s) Determination (Lighting)	2026		1			1					2	\$369.30
Prelim Lighting Plan Sheet Development	2026		1			3					4	\$658.04
Prelim Lighting Detail Sheets	2026		2			3					5	\$882.97
Prelim Lighting Qtys	2026		1			2					3	\$513.67
Prelim Estimate - Lighting	2026		1			1					2	\$369.30
QA/QC	2026	2				2					4	\$815.01
Site Visit	2026					6					6	\$866.21
SUBTOTAL: PFC Plans			2	11	0	0	20	0	0	0	33	\$5,887.92
Stage 3 Plans												
Revise Prelim Lighting Plans Per PFC Review	2027		1			2					3	\$533.70
Prepare Final Lighting Plan Sheets	2027		1			3					4	\$683.70
Prepare Final Lighting Detail Sheets	2027		2			4					6	\$1,067.41
Wire/Breaker Size and Voltage Drop Calcs	2027	1				2					3	\$573.40
Lighting Special Provisions	2027		2								2	\$467.41
QA/QC	2027	2				2					4	\$846.80
SUBTOTAL: Stage 3 Plans			3	6	0	0	13	0	0	0	22	\$4,172.42



Lighting Design - Underpass Lighting 4th Ave.

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Engineer	Project Liason	Project Engineer III	Project Engineer I	Engineering Intern II	Engineering Intern I	Engineering Designer II		
Final Tracing Plans											
Revise Plans per Stage 3 Review	2029		2			2				4	\$828.44
Final Const. Cost Est. & Final Est. of Qtys	2029		2			2				4	\$828.44
Final Special Provisions	2029		2							2	\$504.58
QA/QC	2029	2	1			2				5	\$1,166.43
Review Shop Drawings for prop. Lighting Items	2029	2	1							3	\$842.57
RFI's during contract bidding phase	2029		2							2	\$504.58
SUBTOTAL: Final Tracing Plans		4	10	0	0	6	0	0	0	20	\$4,675.03
Total Hours	ECI	9	27	0	0	39	0	0	0	75	\$14,735.37
Average Rate(2025)		\$253.26	\$216.49	\$0.00	\$0.00	\$138.95	\$0.00	\$0.00	\$0.00		
Average Rate(2026)	3.9%	\$263.14	\$224.93	\$0.00	\$0.00	\$144.37	\$0.00	\$0.00	\$0.00		
Average Rate(2027)	3.9%	\$273.40	\$233.71	\$0.00	\$0.00	\$150.00	\$0.00	\$0.00	\$0.00		
Average Rate(2028)	3.9%	\$284.06	\$242.82	\$0.00	\$0.00	\$155.85	\$0.00	\$0.00	\$0.00		
Average Rate(2029)	3.9%	\$295.14	\$252.29	\$0.00	\$0.00	\$161.93	\$0.00	\$0.00	\$0.00		
Total Labor Cost											\$14,735.37
DIRECT EXPENSES											
	No.	Unit		No.	Unit	Rate					
Mileage (Site)	2	Trips x		120	Mi./Trip x	\$0.49					\$117.60
Mileage (On-Site Miles)	2	Trips x		10	Mi./Trip x	\$0.49					\$9.80
Total Direct Expense Cost											\$127.40
TOTAL FEE:											\$14,900.00



Project Management

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV	HOURS / TASK	DOLLARS / TASK
Bi-Weekly Status Meetings	2029		9							9	\$2,340.67
Monthly Progress Reports	2029		6		12					18	\$3,640.07
Project Coordination	2029	20	48	37	20					125	\$31,328.86
Stakeholder Coordination	2029	10	20	8						38	\$10,242.07
Misc. Meeting	2029		14							14	\$3,641.04
SUBTOTAL: Phase 2B		90	291	141	88	0	0	0	0	610	148,005.80
Total Hours	ECI	150	475	169	120	0	0	0	0	914	\$216,665.11
Average Unburdened Rate (2025)		\$259.34	\$223.17	\$216.49	\$148.71	\$0.00	\$0.00	\$0.00	\$0.00		
Average Unburdened Rate (2026)	3.9%	\$269.45	\$231.87	\$224.93	\$154.51	\$0.00	\$0.00	\$0.00	\$0.00		
Average Unburdened Rate (2027)	3.9%	\$279.96	\$240.92	\$233.71	\$160.54	\$0.00	\$0.00	\$0.00	\$0.00		
Average Unburdened Rate (2028)	3.9%	\$290.88	\$250.31	\$242.82	\$166.80	\$0.00	\$0.00	\$0.00	\$0.00		
Average Unburdened Rate (2029)	3.9%	\$302.23	\$260.07	\$252.29	\$173.30	\$0.00	\$0.00	\$0.00	\$0.00		
Total Labor Cost											\$216,665.11
Total Labor Cost											\$216,665.11
DIRECT EXPENSES	No.	Unit	No.	Unit	Rate						
Mileage (Site)		Trips x		Mi./Trip x	\$0.49						\$0.00
Mileage (On-Site Miles)		Trips x		Mi./Trip x	\$0.49						\$0.00
Mileage (LDO)		Trips x		Mi./Trip x	\$0.49						\$0.00
Total Direct Expense Cost											\$0.00
TOTAL FEE:											\$216,700.00

August 25, 2025

Ms. Jennifer Pittman, PE
Structural Department Manager
Lochmueller Group
112 W Jefferson Boulevard, Suite 500
South Bend, Indiana 46601

Sent via email: JPittman@lochgroup.com

RE: Proposal for Geotechnical Engineering Exploration
Proposed Marquette Greenway Multi-use Trail Between Cline Avenue and Bridge Street
INDOT Designation No. 2400062
Hammond and Gary, Lake County, Indiana
AES Proposal No. 2025-262G (Rev)

Dear Ms. Pittman:

As requested, Advanced Engineering Services (AES) is pleased to submit the following proposal for conducting a geotechnical engineering exploration for the referenced project.

PROJECT INFORMATION

Lochmueller Group is preparing plans for the Marquette Greenway Trail from Cline Avenue to Bridge Street in Hammond and Gary, Lake County, Indiana. Based on the provided exhibits, the improvements will include a total of approximately 3.7 miles of new trail, that will include four new boardwalks, and a new pedestrian bridge with MSE walls over the existing CN railroad. The boardwalks from the west to the east will reportedly be about 500 ft, and 200 ft, respectively. The pedestrian bridge will reportedly be a single span with a length of about 125 ft.

The proposed subsurface exploration, laboratory testing program and engineering analyses will be performed in general conformance with the requirements of the Indiana Department of Transportation (INDOT) - Office of Geotechnical Services guidelines for geotechnical explorations.

PURPOSE

The purpose of the exploration is as follows:

- Obtain information regarding the surficial asphalt, subsurface soil and groundwater conditions noted at the test locations,
 - Determine selected engineering characteristics of the subsurface materials encountered during the study,
 - Provide recommendations for the proposed bridge foundations, boardwalks, MSE walls, pavement subgrade treatment, and earthwork activities for the proposed construction based on the field and laboratory exploration.
-

SCOPE OF WORK

The scope of work for the project is summarized below:

1. The test locations will be marked/staked based on the drawings provided to us, accessibility and after discussing with the client. We request an existing ground surface topographic map to interpolate surface elevation at each boring. No surveying is included in the proposal.
2. Indiana-811- the one call center will be notified to mark all existing utilities within the public areas. Costs for private utility locator services are not included in the proposal.
3. A total of two (2) pavement cores will be obtained from the existing Bridge Street. All core samples will be photographed and logged. Average thickness of the core samples will be determined and recorded provided the core samples remain intact. An evaluation of the core samples will be performed based on visual observation. Results will be presented in a summary report.
4. AES proposes to explore the subsurface soil and groundwater conditions at the proposed site by drilling a total of forty-eight (48) borings. Two (2) bridge borings will be drilled to a depth of 100 ft, or auger refusal, whichever occurs first, thirteen (13) boardwalk borings drilled to a depth of 50 ft, and thirty-three (33) trail borings extended to a depth of 10 ft below the present ground surface. Based on the drilling schedule, the project will involve a total drilling of up to 1,180 linear ft. Please see attached the Boring Location Plan for the suggested test locations.
5. If auger refusal is encountered above the planned depth, a 10 ft long rock core sample will be collected from each location.
6. Three (3) continuous Split-spoon samples will be obtained below the surficial cover and then at 2½ ft to 5 ft intervals for laboratory analysis. Standard Penetration Tests (SPT) values will be recorded for each split spoon sample. The soil borings will be performed in accordance with the applicable AASHTO standards.
7. Groundwater observations will be made during, immediately after drilling at all borings. In addition, groundwater level readings will be collected at four (4) locations after about 24 hours from completion of the drilling.
8. All boreholes will be backfilled in accordance with Indiana Department of Transportation (INDOT) Aquifer Protection guidelines and patched. Excess cuttings (if any) will be distributed at the site.
9. Our exploration will include limited laboratory testing on representative soil samples to determine its classification and understand strength, compressibility and other engineering characteristics of subsurface materials. Anticipated laboratory tests are summarized in the attached cost-breakdown.
10. The results of our field exploration and laboratory tests will be utilized in the engineering analyses in formulation of our recommendations and will be presented in a written report signed by a registered professional engineer.

COST ESTIMATE

The estimated fee for the above outlined geotechnical exploration will be as per the attached unit rates and will not exceed **\$90,330.00** without prior approval based on the following assumptions.

If the soil borings for the proposed bridge over the existing CN railroad is performed within their ROW, a CN permit will be necessary. The additional cost to obtain the CN railroad permit and flagmen is estimated to be \$15,000.00.

ASSUMPTIONS

The above fee is based on the following assumptions:

1. All soil boring locations will be accessible to a truck or an ATV-mounted drill rig. No site clearing, dozer service, tree or fence removal to access boring locations is included in the proposal. Traffic control will be provided during field drilling and sampling along the existing roadway.
2. While we will notify Indiana 811, we cannot assume any liability for disruption of services caused by break in utility lines not adequately marked on a site map or in the field. Costs for private utility locator services are not included in the proposal.
3. While the depths of the soil borings are generally adequate for the type of construction stated previously, it is possible that the depth may need to be revised due to poor subsurface conditions. In such an instance, we will contact you prior to any additional field drilling.
4. No costs for drilling through hard materials, compacted slag, thick concrete, etc., is considered in this proposal.
5. All boreholes will be backfilled with the auger cuttings and patched (where applicable) after the drilling operations. Please note that it is not possible to pack the soil back in the drill holes so tight that there will be no subsequent subsidence. This proposal does not include costs for restitution of landscape or other surface damage due to field activities. Excess cuttings (if any) will be distributed at the site.
6. We assume that all borings will be completed in one mobilization of equipment and crew in twelve (12) to thirteen (13) 8-hour days during regular working hours.
7. This proposal does not include assessment or remediation of any environmental conditions present at the site. If apparently impacted materials are encountered during the field-testing operation, the drilling will be stopped until the proper course of action is determined.
8. Our estimate covers the work needed to present our findings and recommendations in a report form. Should changes in the project scope occur, you will be contacted for approval prior to performing the additional work.

TIME ESTIMATE

AES is prepared to begin work immediately upon receiving written authorization. Please note, a minimum of forty-eight (48) hours is required by law in order to mark the existing utilities (if any). Based on favorable

weather and ground condition, we would be able to schedule drilling in about 5 to 6 weeks and submit a written report in about 7 to 9 weeks from the date we receive a written authorization.

CONCLUSION

AES's General Terms and Conditions are attached and should be considered a part of this proposal. This proposal/contract and all the terms and conditions herein are subject to credit approval by AES's Credit Department. If this proposal is acceptable, please complete the enclosed agreement or issue a duly completed Purchase Order (PO) and return it to us for us to start the project.

We appreciate the opportunity to offer these services and look forward to working with you on this project. If you have any questions, please feel free to contact us at your convenience.

Respectfully submitted,

Advanced Engineering Services Inc. (AES)



Seth M. Lyons
Team Engineer
sml@adv-engrs.com



Akhtar Zaman, PE
Principal Engineer
anz@adv-engrs.com

Attachment: Unit Rates and Cost Breakdown

PROPOSAL ACCEPTANCE FORM

This Agreement is made by acceptance below of the Contract Document dated August 25, 2025, by and between Lochmueller Group ("Client") of (Address) 112 W Jefferson Boulevard, Suite 500, South Bend, Indiana 46601 and Advanced Engineering Services Inc. (AES) of Hammond, IN.

Client and AES agree as follows:

1. **CONTRACT DOCUMENT – Referred to as the "Contract Document" or "Agreement."** Defined as: PROPOSAL ACCEPTANCE FORM, attached GENERAL TERMS AND CONDITIONS, and proposals that include a scope of services, fee schedules and other documents (as listed).

PROFESSIONAL SERVICES – AES will provide professional services ("Services") for the Client as indicated in the Proposal No. 2025-262G (Rev) dated August 25, 2025, for the Proposed Marquette Greenway Multi-use Trail, From Cline Avenue to Bridge Street, Hammond and Gary, Indiana, based on the attached unit rates and for a total not-to-exceed fee of \$90,330.00.

Additional CN permit fee: Estimated \$15,000.00 (if necessary)

2. **DESIGNATED REPRESENTATIVES –** The parties designate the following named individuals as their authorized representatives to provide approvals, directives, and permissions, including changes, and to receive notices or other communications under this agreement at the following addresses:

DESIGNATED REPRESENTATIVE
Advanced Engineering Services Inc. (AES)

Name: Akhtar Zaman
Address: 844 169th Street
Hammond, IN 46324

Phone: 219-933-7888

DESIGNATED REPRESENTATIVE
CLIENT: Lochmueller Group

Name: Ms. Jennifer Pittman PE
Address: 112 W Jefferson Boulevard, Suite 500,
South Bend, Indiana 46601

Phone: 574-274-9540

YOUR SIGNATURE INDICATES THE ACCEPTANCE OF THE CONTRACT DOCUMENT, AS DEFINED ABOVE, UNLESS EXPRESSLY MODIFIED IN WRITING.

ACCEPTED BY:

Advanced Engineering Services Inc. (AES)

ACCEPTED BY:

CLIENT: _____

By: _____

Name: _____

Title: _____

Email: _____

Date: _____

By: _____

(Person authorized to execute contracts & payment)

Name: _____

Title: _____

Email: _____

Date: _____

AES – CLIENT TERMS AND CONDITIONS

1. SERVICES TO BE PERFORMED: AES's proposal describes the work to be performed ("Services"), the location ("Site"), fees and/or rates to be charged, including equipment, sampling, and necessary reimbursable expenses. AES will be authorized to proceed with the Services, when Client indicates its acceptance by signing this Agreement. The proposal, and any attachments, including but not limited to this Agreement, shall comprise the Contract.

2. ADDITIONAL SERVICES: If any additional or different Services are required to complete an existing proposal, these additional Services shall be set forth in a Change Order form satisfying all applicable and appropriate requirements including a separate schedule of fees and Services ("Change Order").

3. COMPENSATION: Client will pay AES for Services and expenses in accordance with the Contract Documents. AES will submit periodic invoices to Client together with reasonable supporting documentation and a final bill upon completion of its services. AES may require full or partial payment prior to the start of the project. Otherwise, full payment is due upon receipt of the invoice. Any outstanding invoice over thirty (30) days will incur a monthly interest of 1.5% regardless of whether Client has been reimbursed by any other party. AES may suspend work, withhold reports and vacate the site without liability if payment is not received. Unless otherwise agreed in writing, there shall be no retainage. Client will indemnify AES for all claims concerning the suspension of work due to nonpayment regardless of whether the claims are by the Client, someone claiming through the client, or by a third party. Client agrees to pay AES's attorney's fees, and all other costs incurred in collecting past due amounts.

4. SITE ACCESS: Client grants or shall obtain a right of entry or permits for AES to access the parts of the Site necessary to complete the requested Services. Client acknowledges that due to the nature of some Services unavoidable damage may occur. Client waives its right of recovery for such unavoidable damage, and if Client is not the owner of the Site, Client agrees to indemnify and defend AES against any claims by the owner and/or occupant for any such damage. AES is not liable for damages caused by exploratory sampling to identify, quantify, or evaluate the subsurface conditions. AES is not responsible for unforeseen conditions that exist on the Site that prohibit or deter AES from gaining access to complete the requested services.

5. TEST AND SAMPLING LOCATIONS: The accuracy of sampling locations and elevations will be based on approximate measurements or estimates. The Client should retain the services of a professional surveyor, if greater accuracy is required. Client will furnish a diagram indicating the accurate location of the Site. Sample locations may also be indicated on the diagram. AES reserves the right to deviate a reasonable distance from the sampling locations due to site conditions.

6. UTILITIES: AES will contact the state underground utility locator service to identify existing underground structures prior to the field activities. It is the Client's responsibility to mark or furnish the locations of all underground man-made utilities or other structures that is not marked by the state locator service. Client shall indemnify, defend and hold harmless AES from and against any claims, losses or damages incurred or asserted against AES related to Client's failure to mark, protect or advise AES of underground structures or utilities.

7. LIMITATIONS OF METHOD RELIABILITY: The Client agrees that all testing methods have inherent reliability limitations; no method or number of samples can guarantee that a condition will be discovered within the performance of the Services as authorized by the Client. The Client further acknowledges and agrees that reliability of testing methods varies according to the sampling frequency and other variables and that these factors, including cost, have been considered in the Client's selection of Services. AES's observations only represent conditions observed at the time of the Site visit. AES is not responsible for changes that may occur to the Site when AES is not present. Conditions outside the test area may be different.

8. INTERPRETATION OF DATA: Client recognizes that subsurface conditions may vary from those encountered at the locations where the samples are obtained and that interpretations and recommendations of AES's personnel are based solely on the information available to them. AES shall not be responsible for the interpretation of AES data by third parties, or the information developed by third parties from such data.

9. THIRD PARTY INFORMATION: AES is dependent on information available from various governmental agencies and private database firms to aid in evaluating the history of the Site. AES shall not be liable for the failure of such agencies to produce accurate or complete information.

10. SITE CONTROL: AES's testing and observation of the work of other parties on a project shall not relieve such parties of their responsibility to perform their work in accordance with applicable plans, specifications and safety requirements. Continuous monitoring by AES's employees does not mean that AES is observing or verifying all Site work or placement of all materials. Client agrees that AES will only make random on-Site observations as appropriate and will not relieve others of their responsibilities to perform the work.

11. STANDARD OF CARE: AES's Services as defined by the Contract Documents shall be performed in accordance with generally accepted industry principles and practices, consistent with the consulting profession currently providing similar services under similar circumstances at the time the Services were provided. Client agrees to give AES written notice within six months of any breach or default under this section and to provide AES a reasonable opportunity to cure such breach or default, without the payment of additional fees to AES, as a condition precedent to any claim for damages.

12. SAFETY: AES shall not be responsible for health and safety procedures, construction means, methods, techniques, sequences, or procedures, nor be responsible for the acts or omissions of contractors or other parties on Site, unless otherwise specified in the Contract Documents.

13. OBLIGATIONS OF CLIENT: Client warrants that all information provided to AES concerning the required Services is complete and accurate to the best of Client's knowledge. Client agrees to inform AES of any hazardous conditions on or near the Site known to Client prior to and/or during the work. Client understands that AES is relying upon the completeness and accuracy of information supplied by Client and AES will not independently verify such information unless otherwise included in the Contract.

AES – CLIENT TERMS AND CONDITIONS

Client shall indemnify and hold AES harmless for any costs, expenses or damages incurred by AES due to Client's failure to follow applicable reporting and governmental requirements. Client will not hold AES liable if AES's recommendations are not followed, waives any claim against AES, and agrees to defend, indemnify and hold AES harmless from any claim or liability for injury or loss that results from failure to implement AES's recommendations.

14. SAMPLES AND EQUIPMENT: Unless otherwise specified in the Contract Documents or required by law, AES will not retain any samples obtained from the Site. At no time does AES assume ownership of the samples; all samples shall remain the property of the Client, including equipment contaminated during AES's Services that cannot be adequately cleansed. AES will, however, sign manifests "on behalf of" and as agent for Client; provided Client authorizes AES in writing.

15. RIGHT TO STOP WORK: If, during the performance of the Services, any unforeseen hazardous substance, material, element, constituent, condition, or occurrence is encountered which, in AES's reasonable judgment significantly affects or may affect the Services provided, the risk involved in providing the Services, or the recommended scope of Services, AES may immediately suspend all work.

16. AES AND CLIENT INDEMNIFICATION: AES shall indemnify and hold Client harmless against claims, demands, and lawsuits, to the extent arising out of or caused by the negligence or willful misconduct of AES, in connection with activities conducted in the performance of the Services.

The Client shall indemnify and hold AES harmless from and against claims, demands, and lawsuits, to the extent arising out of or caused by the negligence or willful misconduct of the Client or other contractors retained by Client in connection with activities conducted in the performance of the Services.

If a dispute arises between the parties resulting in litigation, the prevailing party shall be entitled to recover all reasonable costs incurred. Client agrees that all indemnifications granted to AES shall also be granted to those subcontractors retained by AES for the performance of the Services.

17. LIMIT OF LIABILITY: AES's total liability for all claims, liabilities or causes of action of any kind, including but not limited to negligence, bodily injury or property damage, and breach of contract, etc., shall be limited to one million dollars.

18. CONSEQUENTIAL DAMAGES: In no event shall either party to this Agreement be liable to the other party for any indirect, incidental, consequential, or punitive damages, including but not limited to loss of financing, loss of business or reputation, loss

of income, loss of profit, loss of rent, loss or restriction of use of property, or any other business losses; regardless if such damages are caused by breach of contract, negligent act or omission, other wrongful act, or whether either party shall be advised, shall have other reason to know, or in fact shall know of the possibility of such damages.

19. WARRANTY: AES makes no representations, guarantees, or warranties, either express or implied, regarding the performance of the Services.

20. DOCUMENTS: Project-specific documents and data produced by AES under this Agreement shall, upon completion of the Services and payment of the amounts owed to AES, become the property of Client. AES shall have the right, but not the obligation, to retain copies of all such materials.

21. THIRD-PARTY CLAIMS: Client agrees to pay AES's costs (including reasonable attorney's fees) for defending AES against any claims or subpoenas that a third party or a regulatory agency asserts against AES related to the Services provided to the Client.

22. TERMINATION OF CONTRACT: This Agreement may be terminated by either party upon seven (7) days written notice to the other party; provided that, any incomplete or unfinished Services will remain in effect until completed, unless otherwise agreed to in writing. In the event of termination or suspension, by the Client, AES shall be paid for Services performed prior to the termination date plus reasonable termination and suspension expenses.

23. FORCE MAJURE: Neither Client nor AES shall hold the other responsible for damages or delays in performance caused by uncontrollable events, which could not reasonably have been anticipated or prevented, including but not limited to, acts of God, the public enemy, acts of the Government, or materially different Site conditions, fires, explosions, accidents, floods, strikes, or other conceded acts of workers, or changes in laws and regulations, etc.

24. GENERAL PROVISIONS: This Agreement represents the entire understanding between the parties and supersedes any and all prior contracts whether written or oral. Nothing contained herein shall be construed to be for the benefit of any persons not a party to this Agreement. No third-party beneficiary rights are created. AES is solely responsible for the performance of this Agreement, and no parent, subsidiary or affiliated company, or any of its directors, officers, employees, or agents shall have any legal responsibility whether in contract or tort, including negligence. Performance of this Agreement shall be governed in accordance with the laws of the state in which the Site is located.

2025 INDOT Unit Rates

		<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
<u>GEOTECHNICAL FIELD</u>				
1.	Mobilization and field coordination			
	a. SPT Rig	1 each	\$350.00	\$350.00
	b. CPT	each	\$530.00	\$0.00
	c. Mileage	480 mi	\$4.30	\$2,064.00
2.	Truck mounted borings with split spoon sampling			
	a. Standard	ft	\$23.00	\$0.00
7.	Hand or truck soundings			
	a. Standard	ft	\$16.10	\$0.00
9.	Skid mounted borings with split spoon sampling			
	a. Standard (2 @ 100 ft, 13 @ 50 ft, 33 @ 10 ft)	1180 ft	\$37.00	\$43,660.00
	b. Night time	ft	\$45.03	\$0.00
11.	Skid mounted rock core drilling			
	a. Standard	ft	\$47.90	\$0.00
	b. Night time	ft	\$56.16	\$0.00
24.	Set up for borings and machine soundings			
	a. Borings and machine soundings less than 20 ft deep	33 each	\$82.50	\$2,722.50
	b. Rock core borings	each	\$143.50	\$0.00
25.	Additional 2-in. split spoon sampling	82 each	\$24.54	\$2,012.28
27.	3-in. Shelby tube samples	4 each	\$76.54	\$306.16
28.	Bag Samples			
	a. 25-lb sample	1 each	\$61.00	\$61.00
	b. 5-lb sample	each	\$42.33	\$0.00
32.	Railroad expenses		Actual Cost	
33.	Twenty-four hour water levels			\$0.00
	a. Field measurements per borehole			\$0.00
	i. Standard	4 each	\$43.90	\$175.60
	ii. Night time	each	\$57.82	\$0.00
	b. PVC slotted pipe	ft	\$7.00	\$0.00
34.	Borehole backfilling			
	a. 0 to 15 ft			
	i. SPT			
	a. Standard	48 each	\$168.20	\$8,073.60
	b. Night time	each	\$198.20	\$0.00
	b. More than 15 ft			
	i. SPT			
	a. Standard	625 ft	\$8.50	\$5,312.50
	b. Night time	ft	\$10.20	\$0.00
	c. Pavement restoration			
	i. Standard	4 each	\$73.30	\$293.20
	ii. Night time	each	\$102.00	\$0.00
35.	Equipment rental		Actual Cost	
36.	Traffic control			
	a. Flag crew	day	\$885.00	\$0.00
	b. Equipment rental and professional traffic services		Actual Cost	
	c. Flag crew with equipment	1 day	\$1,050.00	\$1,050.00
37.	Centerline surveying		Actual Cost	
38.	Percolation Test			
	a. Granular Soils (A-1, A-2, A-3)	each	\$2,300.00	\$0.00
	b. Cohesive Soils (A-4, A-5, A-6, A-7)	each	\$3,485.00	\$0.00
<u>Sub Total-Geotechnical Field:</u>				\$66,080.84

2025 INDOT Unit Rates

GEOTECHNICAL LABORATORY

39.	Sieve analysis for soils	8	each	\$56.00	\$448.00
40.	Hydrometer analysis	8	each	\$68.60	\$548.80
41.	Sieve analysis for aggregates				
	a. Analysis by washing (AASHTO T-11)	8	each	\$91.50	\$732.00
	b. Analysis by using (AASHTO T-27)	8	each	\$159.00	\$1,272.00
42.	Liquid limit	8	each	\$45.80	\$366.40
43.	Plastic limit & plasticity index	8	each	\$34.30	\$274.40
44.	Liquid limit ratio		each	\$88.50	\$0.00
45.	pH test	8	each	\$18.70	\$149.60
46.	Loss on Ignition Test				
	a. Loss on Ignition Test (Conventional)	50	each	\$29.10	\$1,455.00
47.	Topsoil tests				
	a. Phosphorus test		each	\$26.00	\$0.00
	b. Potassium test		each	\$26.00	\$0.00
48.	Moisture content test				
	a. Moisture content test (conventional)	300	each	\$8.50	\$2,550.00
	b. Moisture content test (microwave)		each	\$10.20	\$0.00
49.	Expansion index of soils		each	\$284.00	\$0.00
52.	Hydraulic conductivity test				
	a. Constant head		each	\$284.00	\$0.00
	b. Falling head		each	\$338.00	\$0.00
53.	Unconfined compression test on soils & rocks				
	a. Unconfined compression test (soils)	8	each	\$56.20	\$449.60
	c. Point load strength index of rock		each	\$62.50	\$0.00
54.	Compressive strength and elastic moduli of intact rock				
	a. Compressive strength of intact rock		each	\$136.50	\$0.00
	b. Elastic moduli of intact rock		each	\$515.00	\$0.00
55.	Consolidation test		each	\$562.00	\$0.00
56.	Triaxial Test				
	a. Unconsolidated - Undrained (UU)		each	\$426.50	\$0.00
	b. Consolidated - Undrained (CU)		each	\$625.00	\$0.00
	c. Consolidated - Drained (CD)		each	\$874.00	\$0.00
	d. Pore pressure measurement with a. or b. and use of back pressure for saturation		each	\$296.50	\$0.00
57.	Direct shear test		each	\$650.00	\$0.00
58.	Moisture -density relationship test				
	a. Standard Proctor	1	each	\$170.00	\$170.00
	b. Modified Proctor		each	\$187.50	\$0.00
59.	Soil Support Testing				
	a. Subgrade Resilient Modulus on remoulded soils		each	\$738.50	\$0.00
	b. Resilient modulus on Shelby tube		each	\$515.00	\$0.00
60.	Collapse potential evaluation test				
	a. Cohesive or expansive soils		each	\$562.00	\$0.00
61.	Water soluble sulfate test	4	each	\$124.00	\$496.00
62.	Water soluble chloride test		each	\$124.00	\$0.00
63.	Soil resistivity test		each	\$172.00	\$0.00

Sub-Total-Geotech Lab: \$8,911.80

2025 INDOT Unit Rates

CONSTRUCTION INSPECTION AND MONITORING

74. Pressure meter testing services	day	\$2,100.00
75. Mobilization of testing equipment	LS	\$281.00
77. Integrity testing		Actual Cost
79. Dynamic pile analysis	each	\$1,238.00
81. Dynamic pile load test		Actual Cost
82. CAPWAP-C analysis	each	\$697.00

Sub-Total-Inspection:

PAVEMENT INVESTIGATION

88. Mobilization of coring equipment	1	LS	\$275.00	\$275.00
89. Mobilization mileage for coring equipment	40	mi	\$2.50	\$100.00
90. Pavement core (partial depth)		each	\$156.00	\$0.00
91. Pavement core (full depth)				\$0.00
a. Standard	2	each	\$241.00	\$482.00
b. Night time		each	\$302.00	\$0.00
92. Subbase sample		each	\$74.00	\$0.00
93. Cement concrete pavement core density determination		each	\$40.00	\$0.00
94. Cement concrete core compressive strength test		each	\$39.50	\$0.00
95. Bituminous extraction test		each	\$108.00	\$0.00
96. Sieve analysis of extracted aggregate test		each	\$70.00	\$0.00
97. Recovery of asphalt from solution by Abson method		each	\$419.00	\$0.00
98. Theoretical maximum specific gravity test		each	\$90.50	\$0.00
99. Bulk specific gravity test		each	\$40.50	\$0.00
100. Air voids calculation		each	\$35.50	\$0.00
101. Core report	2	each	\$73.00	\$146.00

Sub-Total-Pavement: \$1,003.00

SUMMARY OF FEES

Geotechnical Field:	\$66,080.84
Geotechnical Laboratory:	\$8,911.80
Pavement Investigation:	\$1,003.00
Hourly Services (See Attached):	\$14,333.28

Project Estimate: \$90,328.92

PROJECT TEAM HOURS

Appendix "A"	Designation/Classification	PROJECT TEAM HOURS										Reimbursable Expenses	Sub-Total			
		Engineering Staff			Non-Engineering Staff			Geophysicist			CADD			Admin Staff		
		Principal Engineer	Project Engineer	Staff Engineer	Project Manager	Associate Proj. Mgr.	Field Scientist									
Items	Tasks/Base Hourly Rate (\$)	\$222.61	\$147.55	\$122.77	\$131.75	\$105.33	\$96.85				\$65.00					
Geotechnical Field	1d	Marking test borings and pavement core locations (Boring/coring layout)			16										\$1,964.32	
		Field checks, coordinating with utilities and sub contractors		4											\$590.20	
		Obtaining required permits		2										100	\$395.10	
1e	Coordination with Property owners													\$0.00		
	Crop damage													\$0.00		
Traffic Control	36d	Coordinating field work with Traffic control sub-contractor													\$0.00	
Geotechnical Report, Final Check Print and Foundation Review	65	Review of Historical Documents & Current Plans													\$0.00	
		Prepare Exploratory Program, Review and Concurrence with INDOT		2											\$295.10	
		Assign Laboratory Tests		2											\$295.10	
		Prepare gINT boring Logs		8	8										\$2,162.56	
		Review Boring Logs and Lab test data (QC/QA)	4												\$890.44	
		Prepare Roadway subsurface Profiles													\$0.00	
		Prepare Bridge subsurface profiles													\$0.00	
		Preparation of recommendations, report, and concurrence with INDOT:														\$0.00
		a. Without Soil Subgrade Investigations.														\$0.00
		b. With Soil Subgrade Recommendations.	2	8	8											\$2,607.78
		c. Soil Subgrade Recommendations (ONLY).														\$0.00
		d. Soil Profile Drawing														\$0.00
		e. Development of Uniques Special Provisions.														\$0.00
		Foundation review														\$0.00
		66	Final Check Prints	2												\$445.22
66	Data Report & Technical memoranda for DB, DBBV & PPP projects													\$0.00		
Geotechnical Analysis	67	Settlement Analysis And Recommendations For Embankment													\$0.00	
		a. Proposed Embankment													\$0.00	
		b. Proposed and Existing Embankment.													\$0.00	
	68	Ground Modification Design													\$0.00	
	69	Slope Stability Analysis													\$0.00	
		Bridge Foundation Analysis And Recommendations													\$0.00	
		a. Spread foundation													\$0.00	
		b. Deep foundation	8	8											\$2,961.28	
	70	c. Settlement analysis for bridge pier foundation (i, ii, iii)													\$0.00	
		d. Foundation on Bedrock													\$0.00	
		Retaining Structure Analysis And Recommendations													\$0.00	
		a. Conventional Retaining Structure													\$0.00	
		i. Spread Foundation	4	4											\$1,480.64	
		ii. Deep Foundation													\$0.00	
		iii. Settlement Analysis For Retaining Wall Foundations													\$0.00	
b. Pile Retaining Structure Analysis And Recommendations														\$0.00		
i. Free Standing Structure														\$0.00		
ii. Retaining Structure With Tie-Back System														\$0.00		
71	c. Drilled-In-Pier Retaining Structure Analysis													\$0.00		
	i. Free-Standing Structure													\$0.00		
	ii. Retaining Structure With Tie-Back System													\$0.00		
	d. Soil Nailing Wall													\$0.00		
72	Seepage Analysis													\$0.00		
73	Deep Dynamic Compaction Analysis													\$0.00		
Construction Inspection & Monitoring	76	Monitoring Geotechnical Instrumentation													\$0.00	
		a. Monitoring Geotechnical Instrumentation													\$0.00	
	b. Field Inspector													\$0.00		
	78	Field Compaction Testing													\$0.00	
a. Dynamic Cone Penetration (DCP) Test														\$0.00		
	b. Light Weight Deflectometer (LWD)													\$0.00		
80	Static Load Test													\$0.00		
83	Final Construction Inspection Report													\$0.00		
Non-Destructive Methods	84	Foundations												\$0.00		
Geophysical Investigations	85	Geophysical Investigations												\$0.00		
Project Management (For Lead Geotechnical Consultant Only)	86	Project Management													\$0.00	
		a. Project Coordination													\$0.00	
	b. Project Website													\$0.00		
	87	Geotechnical Review													\$0.00	
a. Structure Report														\$0.00		
	b. Roadway Report													\$0.00		
Pavement Investigation	102	Pavement Analysis and Report			2									\$245.54		
Total Hours			20	38	34	0	0	0	0	0	0	1	100			
Fee by Classification and Total				\$14,233.28			\$0.00						\$100.00	\$14,333.28		



Project Management

Project Name: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV	HOURS / TASK	DOLLARS / TASK
DIRECT LABOR											
Phase 2A											
Bi-Weekly Status Meetings	2025		9							9	\$2,008.53
Monthly Progress Reports	2025		6		12					18	\$3,123.54
Project Coordination	2025	20	48	12	8					88	\$19,686.52
Stakeholder Coordination	2025	10	20	8						38	\$8,788.72
Misc. Meeting	2025		12							12	\$2,678.04
Bi-Weekly Status Meetings	2026		9							9	\$2,086.86
Monthly Progress Reports	2026		6		12					18	\$3,245.36
Project Coordination	2026	20	48							68	\$16,519.02
Stakeholder Coordination	2026	10	20	8						38	\$9,131.48
Misc. Meeting	2026		6							6	\$1,391.24
SUBTOTAL: Phase 2A		60	184	28	32	0	0	0	0	304	68,659.31
Phase 2B											
Bi-Weekly Status Meetings	2027		9							9	\$2,168.25
Monthly Progress Reports	2027		6		12					18	\$3,371.93
Project Coordination	2027	20	48	40	16					124	\$29,080.05
Stakeholder Coordination	2027	10	20	8						38	\$9,487.61
Misc. Meeting	2027		14							14	\$3,372.83
Bi-Weekly Status Meetings	2028		9							9	\$2,252.81
Monthly Progress Reports	2028		6		12					18	\$3,503.43
Project Coordination	2028	20	48	40	16					124	\$30,214.17
Stakeholder Coordination	2028	10	20	8						38	\$9,857.62
Misc. Meeting	2028		14							14	\$3,504.37



Permitting

Project Name:	Marquette Greenway: West Gary Phase - Phase 2
Client:	Northwestern Indiana Regional Planning Commission
Des. No.:	2400062
RFP No.:	N/A
Lochgroup Project No.:	125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager II	Senior Project Manager I	Environmental Specialist IV	Environmental Specialist III	Environmental Specialist II	Environmental Specialist I	Admin Assistant			
Task 1: Permitting											
SubTask 1a: Permit Management / Coordination	2027	4	4	0	4	0	0	0	0	12	\$2,637.01
SubTask 1b: USACE Section 404 NPW /Section 404 NWP	2027	4	0	0	24	40	0	2		70	\$9,661.48
SubTask 1c: IDNR Construction in a Floodway Permit	2027	0	0	0	0	0	0	0		0	\$0.00
SubTask 1e: IDEM Construction Stormwater General Permit	2027	2	0	0	16	68	0	2		88	\$11,386.51
		10	4	0	44	108	0	4		170	\$23,684.99
Total Hours	ECI	10	4	0	44	108	0	4		170	\$23,684.99
Average Hourly Rate (2025):		\$253.26	\$223.17	\$164.73	\$134.26	\$113.52	\$93.34	\$86.85			
Average Hourly Rate (2026):	3.9%	\$263.14	\$231.87	\$171.15	\$139.50	\$117.95	\$96.98	\$90.24			
Average Hourly Rate (2027):	3.9%	\$273.40	\$240.92	\$177.83	\$144.94	\$122.55	\$100.76	\$93.76			
Average Hourly Rate (2028):	3.9%	\$284.06	\$250.31	\$184.76	\$150.59	\$127.33	\$104.69	\$97.41			
Average Hourly Rate (2029):	3.9%	\$295.14	\$260.07	\$191.97	\$156.46	\$132.29	\$108.78	\$101.21			
									Total Labor Cost		\$23,684.99
DIRECT EXPENSES	No.	Unit	No.	Unit	Rate						
Mileage (Site)	0	Trips x	0	Mi./Trip x	\$0.49						\$0.00
Mileage (On-Site Miles)	0	Trips x	0	Mi./Trip x	\$0.49						\$0.00
Permit Application Fees											\$300.00
									Total Direct Expense Cost		\$300.00
TOTAL FEE:											\$24,000.00



Bid Phase Services

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK	
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV			
DIRECT LABOR												
Unique Special Provisions INDOT Sharepoint	2029		1	4	8		24				37	\$6,157.62
Address INDOT Comments on Submittal	2029		1	2	16				8		27	\$5,091.89
Recurring Special provision Menu	2029			1	4		8				13	\$2,112.82
Final Tracings ERMS Submittal	2029		4								4	\$1,040.30
CIB Review	2029		8				16				24	\$4,415.24
Questions During Bidding	2029		8	8			16				32	\$6,433.56
Total Hours	ECI	0	22	15	28	0	64	0	8		137	\$25,251.43
Average Unburdened Rate (2025)		\$0.00	\$223.17	\$216.49	\$148.71	\$0.00	\$125.21	\$0.00	\$166.73			
Average Unburdened Rate (2026)	3.9%	\$0.00	\$231.87	\$224.93	\$154.51	\$0.00	\$130.09	\$0.00	\$173.23			
Average Unburdened Rate (2027)	3.9%	\$0.00	\$240.92	\$233.71	\$160.54	\$0.00	\$135.17	\$0.00	\$179.99			
Average Unburdened Rate (2028)	3.9%	\$0.00	\$250.31	\$242.82	\$166.80	\$0.00	\$140.44	\$0.00	\$187.01			
Average Unburdened Rate (2029)	3.9%	\$0.00	\$260.07	\$252.29	\$173.30	\$0.00	\$145.92	\$0.00	\$194.30			
										Total Labor Cost		\$25,251.43
											Total Labor Cost	\$25,251.43
DIRECT EXPENSES												
	No.	Unit	No.	Unit	Rate							
Mileage (Site)		Trips x		Mi./Trip x	\$0.49							\$0.00
Mileage (On-Site Miles)		Trips x		Mi./Trip x	\$0.49							\$0.00
Mileage (LDO)		Trips x		Mi./Trip x	\$0.49							\$0.00
											Total Direct Expense Cost	\$0.00
TOTAL FEE:												\$25,300.00



Construction Phase Office Services

From Cline Trailhead to Hamlin St.

Project: Marquette Greenway: West Gary Phase - Phase 2
Client: Northwestern Indiana Regional Planning Commission
Des. No.: 2400062
RFP No.: N/A
Lochgroup Project No.: 125-3013 00B

TASK DESCRIPTION	STAFF HOURS BY CLASSIFICATION									TOTAL HOURS / TASK	TOTAL DOLLARS / TASK
	Rate Year	Senior Project Manager III	Senior Project Manager I	Senior Engineer I	Project Engineer II	Project Engineer I	Engineering Intern III	Engineering Intern II	Engineering Designer IV		
DIRECT LABOR											
Attend Preconstruction Conference	2029	2	4							6	\$1,644.75
Questions during construction	2029		4	4	8	16	16			48	\$8,361.36
Coordination	2029		8							8	\$2,080.60
Shop Drawing Review	2029			16	40	60	30			146	\$25,061.82
Progress Meetings	2029		16							16	\$4,161.19
Total Hours	ECI	2	32	20	48	76	46	0	0	224	\$41,309.72
Average Unburdened Rate (2025)		\$259.34	\$223.17	\$216.49	\$148.71	\$138.95	\$125.21	\$0.00	\$0.00		
Average Unburdened Rate (2026)	3.9%	\$269.45	\$231.87	\$224.93	\$154.51	\$144.37	\$130.09	\$0.00	\$0.00		
Average Unburdened Rate (2027)	3.9%	\$279.96	\$240.92	\$233.71	\$160.54	\$150.00	\$135.17	\$0.00	\$0.00		
Average Unburdened Rate (2028)	3.9%	\$290.88	\$250.31	\$242.82	\$166.80	\$155.85	\$140.44	\$0.00	\$0.00		
Average Unburdened Rate (2029)	3.9%	\$302.23	\$260.07	\$252.29	\$173.30	\$161.93	\$145.92	\$0.00	\$0.00		
Total Labor Cost											\$41,309.72
Total Labor Cost											\$41,309.72
DIRECT EXPENSES											
	No.	Unit		No.	Unit	Rate					
Mileage (Site)		Trips x			Mi./Trip x	\$0.49					\$0.00
Mileage (On-Site Miles)		Trips x			Mi./Trip x	\$0.49					\$0.00
Mileage (LDO)		Trips x			Mi./Trip x	\$0.49					\$0.00
Total Direct Expense Cost											\$0.00
TOTAL FEE:											\$41,400.00

APPENDIX "A"
First Group Engineering - Scope of Work

Marquette Greenway Trail
From Hamlin St. to Bridge St. Trailhead
Des. No. 2400062

SERVICES BY CONSULTANT

The CONSULTANT shall provide the following services and phases to complete the project development. An opinion of probable cost will be prepared at each design phase prior to bidding. Each section is itemized according to specific design elements.

The Northwest Indiana Regional Planning Commission is planning to connect the final section of the Marquette Greenway Trail from the Hammond/Gary border to the already completed section of the trail located at 107 Bridge Street. First Group Engineering will be responsible for the survey and design of the eastern 12,830 feet of this project, starting at Hamlin Street and terminating at 107 Bridge Street, the existing trailhead. First Group will be responsible for the survey, preliminary design, and final design of this section of the pathway corridor. Additionally, First Group will be responsible for right-of-way (R/W) engineering, R/W management, appraisal, purchasing, recording, title work, and staking of R/W lines for the entire corridor from the Hammond/Gary border to 107 Bridge Street. The survey will require identification of the NICTD South Shore Commuter Rail Line's southernmost rail and edge of ballast, which will necessitate the use of a special railroad flagman and obtaining permits. The corridor design will involve the construction of a shared roadway system on top of existing alley R/W, utilization of existing R/W with additional R/W along 4th and Bridge Street, and/or road diet along 4th St. The process will be bid using the INDOT submittal process and let through the INDOT LPA process.

1) Summary of Survey Services (Provided by First Group Engineering, Inc.)

A field survey will be conducted, including control points, feature shots, property deeds, locating property corners, a box culvert survey, utility locates and surveys, as well as tree and fauna classification, to provide the necessary CE-4 documentation. GPS and a Robotic Total Station will be utilized to obtain the field data necessary to design this project.

The survey limits shall 12,830 feet of alley, sidewalk, and road corridor along 2nd Ave from Harlan St to 3rd Ave, along 3rd Ave from 2nd Ave to 4th Ave, the north half of 4th Ave from 3rd Ave to Bridge Street, and both sides of Bridge Street from 4th Ave to 107 Bridge Street . Below is an exhibit of the proposed survey project limits:

APPENDIX "A"
First Group Engineering - Scope of Work



Locations will be surveyed through the use of conventional levels for the vertical component, and conventional technology for the horizontal component. The survey will collect planimetric features within the project corridor. The list of features to be collected is included below:

- Edge of Pavement
- Lane Lines
- Shoulder/ Driveways / Ditches
- Fences
- Inlets
- Culvert/Headwall
- Stream Channel
- Detention Basin
- Fire Hydrants
- Poles (including height and type)
- Overhead Line Crossings
- Vegetation (including trunk diameter and tree height, individual trees will be located in lawn areas only. All others will be classified as "woods")
- Utilities

The traditional survey will set and reference control, locate property corners and run a section traverse to check readings. Copies of deeds, plats, and section corner locations will be obtained from the recorder's office. A bench circuit will be set to base the topography shots taken in the field of control.

The office work necessary to compile the field survey will include calling in utility locates, sending out survey notices, downloading and processing the field data, laying out the property lines in CADD, and dropping the survey in a format consistent with INDOT CADD standards.

A subconsultant will be used to professionally locate underground utilities as it has been our experience that these locates are more accurate and complete than standard 811 locates.

A Location Control Route Survey and Plat No. 1 will be completed as part of the survey task and will be drafted in CADD and included in the RW Plans. Final survey files will be checked for completeness and organized in CADD.

2) Summary of Preliminary Roadway Design Services (Provided by First Group Engineering, Inc.)

Stage 1 Plans For Early Public Involvement and CE –

1. Scoping Meeting with City of Gary and NIRPC with PRIME
2. Work with Prime to set Title Sheet (1 Sheet)
3. Work with Prime to set Index Sheet (1 Sheet)
4. Typical Sheet (4 Sheets)
 - a. 2nd Ave
 - b. 3rd Ave
 - c. 4th Ave
 - d. Bridge St
5. Plan & Profile Sheet (27 Sheets)
 - a. Preliminary Horizontal Alignment and Vertical Profile
6. Design Rectangular Rapid Flashing Beacon for Bridge Street
7. Preliminary R/W Design Linework
8. Cross Sections (86 Sheets)
9. Preliminary Drainage Layout of structures and pipes
10. Preliminary Cost Estimate
11. Abbreviated Engineer's Report in conjunction with Prime's report
12. Level 1 Design Calculations and Exhibits
13. Sight Distance Calculations and Exhibits
14. Engineer's Estimate
15. Coordinate with Prime – Utility Initial Notice
16. Project Coordination, Task Management and PE Review

Stage 1 design will show the typical cross sections we are proposing for all sections of this project, horizontal centerlines, and line work showing edge of pavement, shoulder, ditches, construction limits, and preliminary R/W linework for the proposed sections of this multi-use trail. Basic drainage layout will show where we plan to place pipes and structures but no sizing will be done at that time. The drainage design concept was also be discussed with the County at this phase. Early utility coordination will be coordinated with PRIME and a meeting held to determine if any major facilities will need to be avoided. A public meeting will be advertised and held to incorporate public comments to the preliminary design. The design from this stage will be coordinated with the PRIME to start the CE process.

Preliminary Field Check Plans

1. Revise Plans per Stage 1 comments

APPENDIX "A"

First Group Engineering - Scope of Work

2. Maintenance of Traffic (18 Sheets)
 - a. Phase 1 – 14 Sheets
 - b. 2nd St Closure and Detour – 1 Sheet
 - c. 3rd St Closure and Detour – 1 Sheet
 - d. 4th St Lane Drop – 1 Sheet
 - e. 5th Lane Drop – 1 Sheet
3. Construction Details (27 Sheets)
4. Final R/W Linework with callouts. Submit to R/W Engineering.
5. ADA Ramp Sheets – No Grades or Dimensions (For Field Check Review) (38 Ramps on 10 Sheets)
6. Preliminary Signs and Pavement Markings – (14 Sheets)
7. Structure Data Table (1 Sheet)
8. Approach Table (1 Sheet)
9. Attend Field Check. Coordinate Minutes with PRIME.
10. Update Engineer's Estimate
11. Coordinate with Prime Utility Verification
12. Project Coordination, Task Management and PE Review
13. Coordinate with Prime on Conflict Analysis
14. Attend Hearing
15. Update Plans per Hearing and Finalize R/W Takes
16. Update Engineer's Estimate
17. Project Coordination, Task Management and PE Review

The preliminary field check plans will show the maintenance of traffic phasing scheme, drainage design, low scale construction details, final R/W linework with callouts, cross sections and preliminary tables. This information will be used by utilities to determine if they need relocation and by INDOT to determine if the design to date meets the scope of work as well as INDOT design criteria. The design from this stage will be coordinated with the environmental consultant to gain approval. Drainage will be modeled at this phase to show structures and pipes.

This stage will incorporate all comments from the utilities and INDOT to start the hearing process. No exhibits will be created for the hearing and First Group will attend the public hearing near the project location for the public to attend. Coordination with the Environmental consultant will be needed to gain CE approval at the end of this stage.

The hearing and CE-4 approvals will not be necessary to gain approval through INDOT and the MPO to start the appraising and buying stages of the contract.

3) Summary of Final Roadway Design Services (Provided by First Group Engineering, Inc.)

Stage III Plans

1. Revise Plans per Hearing and Client Comments
2. Work with Prime to finalize Title and Index.
 - a. Final Utility Contact Information
 - b. Page Number Index set
 - c. General Notes set
3. Finalize Approach Table (1 Sheet)
4. Finalize Drainage Details / Str Data Table
5. Pipe Material Table (1 Sheet)
6. Finalize RRFB Design and Crossing on Bridge St
7. Finalize MOT and Detour Plans
8. Erosion Control Details and Notes (14 Sheets)
9. Finalize Signs and Pavement Markings
10. Coordinate with Prime on IDEM CSGP permit
 11. Help with Commitments and Unique Special Provisions created from commitments.
 12. Quantity Calculations and Cross Checking Pay Items
 13. Help Prime with Special Provisions
 14. Coordinate with Prime regarding utility work plans
15. Update Engineer's Estimate
16. Project Coordination, Task Management and PE Review
17. INDOT Paperwork
 - a. Initial/ Approve Quantities
 - b. Cost Estimate
 - c. INDOT Special Provisions & Menu
 - d. CGSP submittal to SWCD
 - e. INDOT Project Commitments Form
 - f. Proprietary Materials Form
 - g. Environment Consultation Form
 - h. Traffic Control Plans Checklist
 - i. Final Utility Coordination and Work Plan Approval
 - j. Level 1 Checklist with Calculations
 - k. QA/QC Form
 - l. R/W Certification
 - m. Unique Special Provisions

Stage III plans will be necessary to gain INDOT design approval of the project. At this time,

APPENDIX "A"
First Group Engineering - Scope of Work



INDOT is expecting the land acquisition to be mostly complete. Utility coordination will be almost complete with utilities furnishing their work plans to the project manager for approval. All design calculations, special provisions, unique special provisions, permits, tables and details will need to be finished by this submission. Also, during this stage of design the soil and water pollution prevention plan are submitted to the Lake County Soil and Water Conservation District for approval before being sent to IDEM for the permit. The Construction Stormwater General Permit (CSGP) (formerly Rule 5 permit) is submitted to IDEM when the Stage III plans are submitted.

Final Tracings

1. Revise, Update, and Finalize Plans, INDOT paperwork and Submit (255 Plan Sheets)
 - a. Work with Prime to obtain Utility Coordination Certification
 - b. All Approved Utility Relocation Plans
2. Update Engineer's Estimate
3. Project Coordination, Task Management, PE Review, PE Stamp and Signature

The final tracings are documents INDOT uses to advertise the bidding of this project. First Group will perform several checks of the plans, quantities, and cost estimate at this time to ensure no pay items are missed before the bid table is advertised. The final tracings are sent through several divisions of INDOT (contracts, R/W, utilities, etc.) to gain approval before the contract book is created and submitted to the designer for approval. Once it has been approved, the project will be released for bid.

4) Summary of Right of Way Engineering & Appraisal Services

- A. Right-of-Way Management and Supervision (Provided by First Group Engineering, Inc.)
 1. The CONSULTANT shall be responsible for administrating, scheduling and coordinating all activities necessary to certify that the right-of-way has been acquired and the project is clear for construction letting, including meetings, conferences, and communications with Property Owners, Attorneys, Engineers, Appraisers, Buyers, and the LPA.
 2. These Right-of-Way Services include all reasonable services as required to secure the parcels based on the approved engineering design or recommend to the LPA that a parcel be condemned.
 3. Services will be paid on a per parcel rate. The total fee for this phase will assume 33 parcels.
- B. Right-of-Way Engineering (Provided by First Group Engineering, Inc.)
 1. The Consultant shall create property descriptions and exhibits for up to 33 permanent take parcels and zero temporary take parcels involved in the acquisition

APPENDIX "A"
First Group Engineering - Scope of Work



of land for this project.

2. The CONSULTANT will submit each parcel file to the State in LRS.
3. Services will be paid on a per parcel rate. The total fee for this phase will assume 33 parcels.
4. R/W Plans will be created from the roadway plans to be used for appraising and buying.

C. Appraising

1. Appraising Problem Analysis (APA) Services will be paid on a per parcel rate. The total fee for this phase will assume 33 parcels.
2. Appraisal Type to be determined by APA

In fulfillment of this contract the CONSULTANT shall comply with the requirements of the appropriate regulations and requirements of the Indiana Department of Transportation and Federal Highway Administration.

ADDITIONAL R/W SERVICES. If authorized by the LPA, the CONSULTANT shall furnish additional services of the following types, which will be paid for by the LPA by a Supplemental Agreement.

1. Appraising
2. Review Appraising
3. Buying Services
4. Condemnation and court proceedings
5. Property Management
6. Relocation

APPENDIX "A"
First Group Engineering - Scope of Work



Amount of Payment

1. The CONSULTANT shall receive as payment for the work performed under the Agreement the total fee not to exceed **\$ 843,440.00** unless a modification of the Agreement is approved in writing by the CITY.

1. The CONSULTANT will be paid for the work performed under this Agreement, on a not to exceed basis in accordance with the following schedule:

<u>Task</u>	<u>Fee</u>
Survey	LSUM \$ 163,400.00
Preliminary Design (Stage 1 & PFC Submittals)	LSUM \$ 214,520.00
Final Plans (Stage 3, Tracings Submittals)	LSUM \$ 228,270.00
Construction Phase Services	LSUM \$ 21,840.00
SUBTOTAL Survey & Design Services	LSUM \$ 628,030.00

3. The Consultant shall receive payment for the work performed under this contract related to Right of Way Services on the specific cost per unit multiplied by the actual units of work performed:

Right of Way Engineering & Appraising Services			Unit Cost	Fee (NTE)
Right of Way Engineering- Right of Way Engineering, Plats and Legal Descriptions	33	Parcels @	\$3,115.00 Ea	\$ 102,795.00
Title Work				
Permanent 20 Year Search	33	Parcels @	\$950.00 Ea	\$ 31,350.00
Temporary (Last Deed)	0	Parcels @	\$500.00 Ea	\$ 0.00
R/W Staking	33	Parcels @	\$500.00 Ea	\$ 16,500.00
Right of Way Management	33	Parcels @	\$1,410.00 Ea	\$ 46,530.00
Appraising Problem Analysis	33	Parcels @	\$ 295.00 Ea	\$ 9,735.00
Unforeseen Costs			\$ 8,500.00 Ea	\$ 8,500.00
Total Fee for R/W Engineering Services				\$215,410.00

*Appraisal Type To Be Determined By APA

NIRPC Marquette Greenway Trail in Hammond and Gary Fee Breakdown

Task		Fee	Note
SURVEY - From Hamlin to Bridge St Trailhead	LSUM	\$163,400.00	FGE
Right of Way Engineering	33 EA	\$ 102,795.00	FGE
RW Management	33 EA	\$ 46,530.00	FGE
Title Work	33 EA	\$ 31,350.00	Sub
APAs & Unforeseen	33 EA	\$ 18,235.00	Sub
RW Staking	33 EA	\$ 16,500.00	FGE
Prelim Desing (Stage 1 & 2, PFC & Hearing) Hamlin to Bridge St Trailhead	LSUM	\$ 214,520.00	FGE
Final Design Fee (Stage 3, Tracings, and Pre-Construction) Hamlin to Bridge St Trailhead	LSUM	\$ 228,270.00	FGE
Construction Phase Services	LSUM	\$ 21,840.00	FGE
TOTAL		\$843,440.00	



MANHOUR JUSTIFICATION -SURVEY
 NIRPC Marquette Greenway Trail in Hammond and Gary
 August 26th, 2025

Description	Manhours by Classification				Total
	Project Manager	Design Engineer II	Civil Designer III	Survey Crew Chief	
Survey					
Set and Reference Control			24	24	48
Locate Property Corners/Section Traverse				24	24
Research Deeds, Plats, Section Corners			24	0	24
Bench Circuit			24	24	48
Topo Survey				192	192
Sewer Survey				16	16
Travel Time			6	60	66
Office Work					
Utility Locates			8		8
Survey Notices			8	0	8
Download Process/Field Surveyor				8	8
Layout Property Lines				40	40
Survey Drop and Process/Office			192		192
Location Control Route Survey Plat			40		40
Plat No. 1			20		20
Internal QC/QA		74			74
Total Hours	0	74	346	388	808
Hourly Costs	\$58.88	\$56.50	\$47.53	\$58.10	
Total Salary Costs	\$0.00	\$4,181.00	\$16,445.38	\$22,542.80	\$43,169.18
Overhead 144.95					\$62,573.73
Salary Plus Overhead					\$105,742.91
Fixed Fee 15%					\$15,861.44
Direct Costs					
NICTD Railroad Flagging	\$2,000.00	per dat @	15.00	days =	\$30,000.00
Document Fees				\$200.00	\$200.00
Motel \$160 per night (45 nights)				\$7,200.00	\$7,200.00
Meals \$41.00 per day (53 days)				\$2,173.00	\$2,173.00
Mileage \$0.49 per Mile (4500 miles)				\$2,205.00	\$2,205.00
					\$163,382.35
Total Fee				USE:	\$163,400.00



Land Acquisition Right of Way Engineering
 NIRPC Marquette Greenway
 Hammond/Gary, In 8/07/25

Description	Number	Unit Price	Total
4) R/W Engineering and Appraising Services			
A) Right of Way Engineering			
R/W Plans, Calcs and Legals	33	\$ 3,115.00	\$ 102,795.00
Title Work			
Permanent 20 year search	33	\$ 950.00	\$ 31,350.00
Temporary (last deed)	0	\$ 300.00	-
3) Right of Way Staking	33	\$ 500.00	\$ 16,500.00
SUBTOTAL - R/W Eng			\$ 150,645.00
B) Acquisition Services			
# Right of Way Management	33	\$ 1,410.00	\$ 46,530.00
#Appraising Problem Analysis	33	\$ 295.00	\$ 9,735.00
Unforeseen Costs (Title updates, PMR etc.)		\$ 8,500.00	\$ 8,500.00
SUBTOTAL - Appraisal Costs			\$ 64,765.00
4) TOTAL - R/W Engineering and Appraising Services			\$ 215,410.00

*Appraisal Fees are Approximate and will be determined by Appraising Problem Analysis

Fees per 2024 INDOT Service Fee Schedule



MANHOUR JUSTIFICATION
Preliminary Roadway Design
NIRPC - Marquette Greenway Trail (Clark Rd to Bridge St Trailhead)

Client NIRPC
Lenth (ft) = 12833
Sheets@20 Scale 27

Description	Plan Sheets	Design Engineer 3	Design Engineer 2	Civil Designer 3	Total	Subtotal Cost
Stage 1 Plans						
Scope of Work Meeting with Client/Prime			4			
Process Survey & Check Survey Notes				40		
Title Sheet						
Index Sheet						
Preliminary Typical Cross Sections	4			32		
Design Preliminary Grade (Mainline H & V)			65			
Plan & Profile Sheets	27		108		108	
Preliminary R/W Linework Design				54		
Coordination with Environmental sub-consultant		4				
Preliminary Cross Sections	86			107		
Abbreviated Engineer's Report (Combine with Loch)		24				
Level 1 Design Calculations & Exhibits			54			
Sight Distance Calculations & Exhibits			54			
INDOT R/A Calcs + Exhibits						
Preliminary Engineer's Estimate		1	8			
PM + QA/QC Plans		96				
Total Stage 1 Plans	117	125	293	341	759	\$125,161.52
Preliminary Field Check, Stage 2 & Hearing Plans						
Revise from Stg 1	117			117		
Preliminary Road Closure and Detour Plans / MOT	18		36			
Finalize Grade and Prelim Drainage Design			33			
Rectangular Rapid Flashing Beacon @ Bridge ST	1		24	8		
Final R/W Linework Design and Callouts			4	54		
Preliminary Construction Details	27			54		
Preliminary ADA Ramp Details	10		80	40		
Preliminary Signs & Pavement Markings	27			27		
Pavement Drainage Inlet Layout			33			
Road Summary & Approach Sheet				8		
Str Data Table				8		
PDF & Distribute Preliminary Field Check Invitation				8		
Hold Meeting, Prepare and Distribute Minutes		8	12			
Public Hearing (schedule, advertise, hold, prepare transcript)		8	8			
Update Engineer's Estimate			16	2		
PM + QA/QC Plans		69				
Total PFC, Stg 2, Hearing, and R/W Plans	200	85	246	209	540	\$88,809.73
TOTALS						
TOTAL HOURS		210	539	550	1299	
2026 HOURLY COSTS		\$67.47	\$56.28	\$57.48		
TOTAL SALARY COSTS		\$14,168.71	\$30,332.46	\$31,616.47	\$76,117.64	
OVERHEAD (144.44)	144%				\$109,944.32	
SALARY PLUS OVERHEAD					\$186,061.96	
15% FIXED FEE					\$27,909.29	
DIRECT COSTS					\$543.90	
PRELIM DESIGN SUBTOTAL FEE					\$214,515.16	\$214,515.16
				USE:	\$214,520.00	

*Direct Costs Summary:

Mileage (\$0.49 x 1060 miles)	0.49	370	3	\$543.90
Total Direct Costs				\$543.90



MANHOUR JUSTIFICATION
Final Roadway Design
NIRPC - Marquette Greenway Trail (Clark Rd to Bridge St Trailhead)

Client **NIRPC**
Lenth (ft) = 12833
Sheets@20 Scale 27

Description	Plan Sheets	Design Engineer 3	Design Engineer 2	Civil Designer 3	Total	Subtotal Cost
Stage III Plans						
Revisions from Stage 2 / Public Hearing	200			200		
Prepare Approach Tables	1		1	8		
Finalize Drainge Design - Comps, Notes, Strs, and Pipes			65			
Structure Data Table	1			13		
Underdrain & Pipe Material Tables	1		1	13		
Prepare and Submit Pavement Design			1	8		
Roundabout spot elevations, signs, pavement markings, radii, and all other geometry labeled				0		
Final Design RRFB at Bridge St			24	16		
Final Cross Sections	86			86		
Final Structure Data Tables	1			16		
Finalize Title & Index Sheets	0			0		
Finalize Typical Cross Sections	4			32		
Finalize Plan & Profiles	27		108			
Finalize Road Closure & Detour Details	18			36		
Finish ADA Ramp Details	10		40	80		
Erosion Control/Stormwater Management Plans	18			36		
IDEM Rule 5 Permit		1	16			
Final Pavement Markings (Crosswalks & Stop Bars)	9			18		
Summary of Commitments Form			2			
Quantity Calculations			32			
Special Provisions and Contract Documents			32			
Coord with UC to Finalize Utility Work Plans			20			
QA / QC Plans + Meetings + PM		188	16			
Stage 3 ERMS Submittal			32			
STAGE 3 PLANS Total	219	189	390	362	941	\$ 162,124
Final Tracing Plans						
Revisions from Stage 3	219		55	219		
Finalize Engineer's Estimate			16			
Final Review and Quality Assurance Check		2	40			
Submittal to INDOT			40			
Approve Overall Util Work Plan, QA, PM			22			
QA / QC Plans + Meetings + PM + Stamp&Sign		98				
FINAL TRACINGS Total		2	173	219	394	\$ 65,598
TOTAL HOURS	219	191	563	581	1335	
2027 HOURLY COSTS		\$70.10	\$58.47	\$59.73		
TOTAL SALARY COSTS		\$13,389.37	\$32,918.71	\$34,701.03	\$81,009.10	
OVERHEAD (144.44%)	144.44%				\$117,009.55	
SALARY PLUS OVERHEAD					\$198,018.66	
15% FIXED FEE					\$29,702.80	
DIRECT COSTS					\$543.90	
FINAL DESIGN FEE SUBTOTAL				USE:	\$228,270.00	

Final Design Phase Quote: **\$228,270.00**

\$ 228,265



MANHOUR JUSTIFICATION
 Final Roadway Design
 NIRPC - Marquette Greenway Trail (Clark Rd to Bridge St Trailhead)

Client **NIRPC**
 Lenth (ft) = 12833
 # Sheets@20 Scale 27

Description	Plan Sheets	Design Engineer 3	Design Engineer 2	Civil Designer 3	Total	Subtotal Cost
PRE-CONSTRUCTION MEETING		8	8	0	16	\$ 2,891
CONSTRUCTION PHASE SERVICES						
Answering Questions			40			
Attending Meetings		40				
Shop Drawing Approval			24			
CONSTRUCTION Phase Services Total		40	64	0	104	\$ 18,402
TOTAL HOURS		48	72	0	120	
2027 HOURLY COSTS		\$70.10	\$58.47	\$59.73		
TOTAL SALARY COSTS		\$3,364.87	\$4,209.85	\$0.00	\$7,574.72	
OVERHEAD (144.44)	144.44%				\$10,940.92	
SALARY PLUS OVERHEAD					\$18,515.64	
15% FIXED FEE					\$2,777.35	
DIRECT COSTS					\$543.90	
FINAL DESIGN FEE SUBTOTAL				USE:	\$21,840.00	\$ 21,837

Constr Phase Services Quote: \$21,840.00