Legistar: 260216

DISTRICT 3

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

__X__ Resolution or Ordinance (Blue) _____ Waiver of First Requested
_____ Recommendations of Boards, Commissions & Committees (Green)
_____ Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: June 10th, 2026 (B of T) **Date:** June 18th, 2024

TITLE: Finley Road Rehabilitation and Reconstruction *(22nd Street to Butterfield Road)*
Preliminary and Design Engineering

SUBMITTED BY: Phil Tartaglia, P.E., Village Engineer

BACKGROUND/POLICY IMPLICATIONS:
The contract includes preliminary and final design (Phase I and Phase II) engineering for the Finley Road project. Proposed improvements include roadway reconstruction and rehabilitation of existing concrete roadway, traffic signal modernization, new sidewalk on the east side of Finley Road, and the ADA improvements

Construction is currently programmed to be funded by the Surface Transportation Program through IDOT. The Village's cost share will be funded by the Motor Fuel Tax Fund. The IDOT bid opening is currently scheduled for March 2028.

FISCAL IMPACT/FUNDING SOURCE:
Total Contract Amount: $455,991.00
Project Number: ST 28 01
Account: Capital Project Fund (Motor Fuel Tax – Engineering Services): 410.710.725.75410
FY 26/27 CIP Preliminary and Design Engineering Budget: $428,600 (Motor Fuel Tax)

Review (as necessary):
Village Attorney X_____ Date_____
Finance Director X_____ Date_____
Village Manager X_____ Date_____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.

Legistar: #260216

To:	Scott Niehaus, Village Manager
Through:	Carl S. Goldsmith, Director of Public Works
From:	Phil Tartaglia P.E., Village Engineer
Date:	June 8, 2026
Subject:	Finley Road Rehabilitation and Reconstruction Preliminary and Final Design Engineering Contract

The Capital Improvement Plan (CIP) includes Phase I and Phase II engineering for the Finley Road Rehabilitation and Reconstruction project in Fiscal Years 2026 and 2027, with construction planned for 2028. Project limits extend from 22nd Street to Butterfield Road. The engineering scope includes preparation of the Phase I Project Development Report and Phase II plans and bid documents in accordance with IDOT Federal Aid procedures, including PS&E preparation, temporary easements as needed, and coordination with IDOT and the DuPage County Council of Mayors.

Recent discussions with IDOT clarified that while the logical termini extend to Butterfield Road, pavement rehabilitation may terminate at the existing pavement joint at the Village limits, with the remaining section classified as a project omission. Intersections at Brook Drive, the shopping center entrance, and IL 56 lie within this omitted segment. IDOT requires the Village to complete safety and capacity analyses to confirm whether any operational or pedestrian-related deficiencies exist. If none are identified, these intersections will also be considered project omissions. The consultant proposes to complete the required studies under the assumption that no Intersection Design Studies (IDSs) will be necessary. Should deficiencies be found, additional coordination with the Village of Downers Grove and a supplemental agreement will be required.

Phase I engineering will include topographic survey work, drainage and utility assessments, sidewalk evaluation, and preparation of the Project Development Report. Phase II engineering will include final plans, specifications, cost estimates, permitting, utility coordination, and preparation of public information materials. Improvements include roadway reconstruction and rehabilitation of existing concrete roadway, traffic signal modernization, new sidewalk on the east side of Finley Road, and ADA improvements.

A Request for Proposals was issued to the Village's Design Engineering shortlist, and six proposals were received. Civiltech Engineering, Inc. was selected as the most qualified firm, and a fee of $455,991.00 was negotiated. Funding will be provided through the Motor Fuel Tax Fund, with $145,600.00 budgeted in the FY 2026 CIP.

Staff requests that this agreement and the associated resolution be presented to the President and Board of Trustees at the June 18, 2026, regular meeting. Upon approval, two original signed copies of the agreement should be returned to Public Works Engineering for processing.

Legistar: 260216

RESOLUTION
R_____26

A RESOLUTION AUTHORIZING SIGNATURE OF PRESIDENT AND CLERK ON AN AGREEMENT

WHEREAS, the Corporate Authorities of the Village of Lombard have received a Contract between the Village of Lombard, and Civiltech Engineering, Inc., regarding engineering services related to the Finley Road Rehabilitation and Reconstruction Project as attached hereto and marked Exhibit "A", and

WHEREAS the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such Contract.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President be and hereby is authorized to sign on behalf of the Village of Lombard said Contract as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said Contract as attached hereto.

Adopted this 18th day of June 2026.

Ayes; _____

Nays: _____

Absent: _____

Approved this 18th day of June 2026.

_____
Anthony Puccio
Village President

ATTEST :

_____
Ranya Elkhatib
Village Clerk

EXHIBIT A

Legistar: 260216

VILLAGE OF LOMBARD
CONTRACT

Finley Road Rehabilitation and Reconstruction
Contract Document Number ST 28 01

This Contract is made this 18th day of June 2026, between and shall be binding upon the VILLAGE of Lombard, an Illinois Municipal Corporation hereinafter referred to as the "VILLAGE" and Civiltech Engineering, Inc., hereinafter referred to as the "ENGINEER" and its successors.

Witnessed that in consideration of the mutual promises of the parties delineated in the Contract Documents, the ENGINEER agrees to perform the services, and the VILLAGE agrees to pay for the following services as outlined in the Contract documents:

Finley Road Rehabilitation and Reconstruction

1. This Contract shall embrace and include all applicable contract documents listed below as if attached hereto or repeated herein:

   a. Request for Qualifications and Request for Proposal (October 9, 2021) consisting of the following:
      - i) Cover Sheet
      - ii) Table of Contents
      - iii) Solicitation Letter
      - iv) General Provisions
      - v) Special Provisions/Request for Qualifications
      - vi) Request for Proposal
      - vii) Instructions for the Consultant Evaluation Form
      - viii) Instructions for the Statement of Qualifications Forms
      - ix) Appendix A - Sample Contract and Engineer's Certification Form
      - x) Appendix B - Local Government Prompt Payment Act
      - xi) Appendix C – Statement of Qualifications Form and Proposal Form
      - xii) Appendix D – CIP Shortlist Projects
      - xiii) Appendix E – Charles Lane Basin Utility Map

   b. Request for Proposal (April 14th, 2026) consisting of the following:
      - i) Cover Sheet
      - ii) Table of Contents
      - iii) Solicitation Letter
      - v) Special Provisions and Request for Proposal
      - vi) Proposal Form
      - vii) Appendix A– STP Information
      - xiv) Appendix B – Record Drawings

   c. Addendum #1, Dated May 5, 2026
   d. ENGINEER'S Letter, Scope Dated June 10, 2026
   e. ENGINEER'S Work Effort and Fee Dated June 10, 2026
   f. Required Certificates and Signatures and Certificate of Insurance

2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services which are the subject matter of this contract per the General Provisions.
3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Anthony Puccio, Village President, and the ENGINEER have hereunto set their hands this 18th day of June 2026.

If there is an individual or partnership, all individual names of each partner shall be signed, or if a corporation, an officer duly authorized shall sign here:

_____
Civiltech Engineering, Inc.

Accepted this _____ day of _____, 2026.

Individual or Partnership _____ Corporation _____

_____
By Position/Title

_____
By Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 18th day of June 2026.

_____
Anthony Puccio, Village President

Attest: _____
Ranya Elkhatib, Village Clerk

VILLAGE OF LOMBARD
ENGINEER'S CERTIFICATION

_____, having been first duly sworn depose and states as follows:
(Officer or Owner of Company)

_____, having submitted a proposal for
(Name of Company)

the Finley Road Rehabilitation and Reconstruction (Contract Document Number ST 28 01) to the Village of Lombard hereby certifies, when applicable under Federal, State, County or municipal code, that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).

2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
    a. it is contesting its liability for the tax or the amount of tax per procedures established by the approve Revenue Act; or
    b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that

    _____
    (Name of employee/driver or "all employee drivers")

    is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: _____
Officer or Owner of the Company named above

Subscribed and sworn to

before me this _____

day of _____, 2026.

_____
Notary Public

I. PHASE I ENGINEERING SCOPE OF SERVICES

The Village of Lombard has secured STP federal funding through the DMMC for the construction of the Finley Road Reconstruction and Rehabilitation Project. The limits of the the work extend approximately 0.5 miles along Finley Road between 22nd Street and the southern Village limit. Anticipated improvements include PCC rehabilitation and/or reconstruction, installation of sidewalk, ADA improvements and signal modernization at the Eisenhower Lane intersection.

The limits of construction are anticipated to extend from the pavement joint 355 feet north of the Brook Drive stop bar to the 22nd Street intersection. The 22nd Street intersection is currently part of a separate Phase I/II study that will complete ADA and signal improvements at this intersection. This scope of work assumes ADA and signal improvements will not be required at 22nd Street. IDOT does not typically accept Village limits as logical termini, therefore this scope assumes that the project study limits will need to extend from 22nd Street south to IL Route 56 (Butterfield Road). It is also assumed that because there is a PCC/HMA joint that aligns with the southern Village Limit, and the HMA was recently resurfaced in 2018, that the section south of the Village limit will be established as a project omission for roadway improvements.

Finley Road is a north-south minor arterial under the maintenance and jurisdiction of the Village for a majority of the improvement area. There is a 190 linear foot section of Finley Road under the maintenance and jurisdiction of York Township near Marlborough Lane. Finley Road south of the Village of Lombard municipal limits is under the maintenance and jurisdiction of the Village of Downers Grove. The IL Route 56 (Butterfield Road) intersection is an IDOT intersection. The posted speed limit along Finley Road is 35 mph within the project study area. Finley Road has a 5-lane cross section including two through lanes in each direction and a center landscaped median that opens to provide dedicated left-turn lanes at intersections. Finley includes additional dedicated right-turn lanes going northbound at 22nd Street, and southbound at IL Route 56 (Butterfield Road). Primary adjacent land use is residential and commercial in nature. There are also two retirement communities within the project limits. There are five signalized intersections within the project study area, two of which fall within the Village of Lombard municipal limits.

Traffic and safety analyses are anticipated at the signalized intersections south of the Village limit to demonstrate that geometric improvements are not necessary. It is assumed that all intersections will operate sufficiently in the design year, and geometric improvements and Intersection Design Studies will not be required. It is anticipated that an abbreviated memorandum to IDOT will need to be prepared for the IL Route 56 (Butterfield Road) intersection to provide existing condition information and show sufficient operations.

The Phase I Engineering for this project will include environmental and location-design studies, evaluation of costs and impacts, and undertaking coordination with jurisdictional agencies and the public. The primary objective of the Phase I Engineering Study is to develop a conceptual improvement plan which provides the desired level of traffic safety and operation, minimizes impacts to adjacent properties, and which fulfills all of the requirements for processing and funding of this project by the Village of Lombard, Illinois Department of Transportation (IDOT), and the Federal Highway Administration (FHWA). For scoping purposes, it is assumed that this project will be designed following IDOT's New Construction/ Reconstruction criteria and processed as a State-Approved Categorical Exclusion with the preparation of a Project Development Report (BLR 22210).

The following services are anticipated as part of the Phase I scope of services:

1. Early Coordination and Data Collection

This work item will include collecting available existing information required for the Phase I Report and performing the necessary classification and cataloging for use in subsequent tasks as follows:

a. Collect and review previous studies, databases, Geographic Information System (GIS) resources, and existing roadway plans.

b. Collect Land Use, Zoning, School District, Park District, etc. maps and plans.

c. Obtain recent digital aerial photography of study area at a scale of 1" = 50'.

d. Perform two plan-in-hand field visits.

2. Field Survey and Preparation of Base Maps

Field survey will be performed by a subconsultant, Millennia Professional Services. Their proposal is attached.

In order to develop accurate construction costs and limits of grading needed for the roadway, driveways and proposed sidewalk to meet Americans with Disability Act (ADA) requirements, a topographic survey will be collected. The topographic survey will include: structures, ground shots, roadway shots, drainage and utilities, trees, and other pertinent items within the project corridor. Cross sections will also be taken at all intersecting side streets and driveways to aid in the final design. An attempt will be made to recover as many property and/or other survey monuments as can be located.

The survey will include the establishment of the existing right-of-way lines within the project corridor. Benchmarks and horizontal control points will be established based on geodetic survey monuments with G.P.S. survey methods. Benchmarks will be located and described. Existing cross section information would be generated from the survey data to aid in the review of compliance with ADA grades at driveways as well as aid in the design of the proposed sidewalk.

This item includes the following tasks:

a. Coordination with the subconsultant and field review of the survey files.

b. Preparation of a base map including right-of-way and property lines, street names, and individual house/business addresses.

3. Environmental Survey Request

In order to meet requirements of the Federal-aid process, environmental clearances must be obtained prior to project approval. Environmental prescreen forms for biological and cultural clearance reviews will be submitted to IDOT. It is anticipated that the project will fail both the biological and cultural prescreens and an Environmental Survey Request (ESR) will be required. The following tasks are included as part of this item:

a. Prepare exhibits for ESR submittal including location map, USGS map, National Wetlands Inventory map, cultural resources map, and Environmental Survey Limits exhibits.

b. Identify properties greater than 40-years old. Prepare 40-year old Building Photolog and Summary Table. Assumes photos will be acquired from online sources.

c. Prepare and submit Natural Resources and Cultural Resources Pre-Screening Forms.

d. Prepare and submit ESR Form.

e. Prepare GIS Shape Files of ESR boundary for inclusion in ESR submittal.

It is assumed that an Addendum Environmental Survey Request submittal is **not** included as part of this scope of services and will be completed during Phase II design if necessary.

4. Preliminary Environmental Site Assessment

The Preliminary Environmental Site Assessment will be performed by the Village approved firm, SEECO Consultants under separate contract.

As part of the environmental studies required for a Federal-aid project, it is necessary to perform a Hazardous Waste Screening Analysis to determine if there are any sites located along the project area that may result in the need for further environmental investigation. Due to the current and previous land use, it is anticipated that the initial screening will result in the need for a Preliminary Environmental Site Assessment (PESA) to determine the extent of any special remediation that may need to occur.

This item includes coordination and review of deliverables from the subconsultant.

5. Subsurface Pavement and Soils Investigation

Subsurface pavement and soils investigations will be performed by the Village approved firm, SEECO Consultants under separate contract.

In order to provide recommendations for proposed pavement design, pavement cores will be collected. Pavement cores/subgrade soil borings through all pavement layers to a depth of 10 feet will be collected, logged, and measured. Subgrade soil testing will be completed to report subgrade conditions. All field data will be summarized in a report, including a discussion of subgrade conditions and recommendations for pavement reconstruction, storm sewer and watermain design.

This item includes coordination and review of deliverables from the subconsultant; preparation of exhibits for the project report is included. Analysis of the pavement cores and a determination of the need for rehabilitation and reconstruction will be completed by Phase II staff. This will include a pavement design for any areas determined to need full pavement reconstruction.

6. Traffic Analyses

Traffic analyses will be required to determine the operational performance at the signalized intersections along the corridor under existing and proposed conditions and to confirm the traffic signals are warranted. The results of the proposed traffic analyses will determine the need for any geometric changes. It is assumed that all intersections will operate sufficiently in the design year and geometric improvements will not be required. This item includes the following tasks:

a. Obtain and analyze record signal timings from the Village of Lombard, Village of Downers Grove, and IDOT for the signalized intersections along the corridor.

b. Traffic counts were recently collected in 2024 at 22nd Street for an independent Phase I/II study. New traffic counts at this location are not included. Perform a 24-hour turning movement count at the following intersections using Video Collection Units:

   1. Finley Road and IL Route 56 (Butterfield Road)
   2. Finley Road and Finley Square Shopping Center
   3. Finley Road and Brook Drive
   4. Finley Road and Eisenhower Lane

c. Process and format turning movement count data. Prepare tables and exhibits.

d. Confirm existing signal warrants for each traffic signal.

e. Analyze the intersection traffic operations under existing traffic volumes and signal timings for the A.M. and P.M. peak hours at the above listed signalized intersections using the most current version of Synchro.

f. Obtain year 2050 Average Daily Traffic (ADT) projections from the Chicago Metropolitan Agency for Planning (CMAP) and develop projected design hourly volumes based on those projected ADTs.

g. Analyze the existing intersection configurations for the A.M. and P.M. peak hours at the above listed signalized intersections using Synchro under 2050 design year traffic volumes. Summarize Synchro delay and queuing results for existing conditions and design year at the above listed signalized intersections.

h. Prepare and submit an abbreviated IDOT Traffic Memo for the IL Route 56 (Butterfield Road) intersection. Includes one revision and preparation of disposition of comments.

i. Prepare and submit an IDOT Traffic Memo to IDOT-Local Roads for all locally-maintained signals. Includes one revision and preparation of a disposition of comments.

7. Intersection Design Studies

Intersection Design Studies (IDS) are anticipated to be required at the 22nd Street and Eisenhower Lane intersections due to proposed signal modernization needs. It is not anticipated that the intersections within the omission area will require IDSs as it is assumed they will operate sufficiently and not require geometric or signal modifications. IDSs under local jurisdiction will be incorporated into the Project Development Report; reviews by IDOT Geometric and Traffic Studies Units are not anticipated. Preparation of the IDSs will include the following tasks:

a. Summarize traffic data and analyses on IDS base sheets.

b. Incorporate horizontal and vertical geometric design into IDS base sheets and notate.

c. Design vehicle turning-template analyses will be completed using AutoTURN software for all turning movements at the signalized intersections as well as turning movements at all cross streets as necessary. AutoTURN exhibits will be prepared and included with the IDS submittals.

d. Prepare and submit IDS packages to the Village for review. Includes one revision and preparation of disposition of comments.

e. Assume one revision based on IDOT PDR review comments, including a disposition of comments.

8. Crash Analyses

In order to satisfy IDOT and FHWA requirements, it will be necessary to gather and review crash data for the study area to determine the existence of any safety hazards. This work item will include:

a. Collect most recent 5 years of crash data available from the Village, York Township, IDOT GIS, and the Village of Downers Grove.

b. Tabulate data and prepare collision diagrams for all signalized intersections and segments in between.

c. Prepare wet/dry crash analysis.

d. Prepare roadway lighting warrant analysis.

e. Evaluate safety improvement needs, identify countermeasures and write crash analysis text.

9. Wetland Study

Based upon the National Wetland Inventory map, wetlands located within 250 feet of the project area are located at the southeast corner of the Finley Road and 22nd Street intersection. These wetlands, and additional 2025 field identified wetlands and water bodies, were delineated and are presented in a wetland report prepared as part of the 22nd Street Corridor Signal Modernization project, which will expire on July 2, 2027. These delineations will be utilized for the Finley Road Improvement project and updated as necessary should the delineations expire prior to project letting.

No impacts to wetlands are anticipated; however, as required by IDOT when wetlands are presented in the wetland report, a Wetland Impact Evaluation (WIE) form submittal will be required. Therefore, the Wetland Delineation Report, the IDOT provided clearances, and the associated exhibit will be used to prepare and electronically submit IDOT's WIE form. These submittal documents will be provided for Village review prior to submittal. The final WIE form and the associated exhibit will be submitted to IDOT. One revision from the Village review and one from IDOT's review are included.

A Bridge Bat Assessment (BBA) for structures with 48-inch clearance and greater is required; one culvert located north of the Finley Road and 22nd Street intersection will require a BBA and completion of the associated BBA form. The BBA form will be submitted to the Village for review, and the final BBA to IDOT for processing.

10. Cost Estimate

A detailed construction cost estimate will be completed as part of the Phase II scope, following agency coordination and detailed determination of project improvements. The estimate will be formatted for Phase I use, as required, with the Phase I documentation. The detailed cost estimate will be provided to the Village for review.

11. Drainage Studies

The existing drainage system within the project limits is a closed system with curb and gutter and storm sewer. The purpose of this work item is to determine the existing drainage conditions, recommend any required drainage improvements based on the existing conditions, and also identify, mitigate, and/or accommodate impacts of the drainage within the project limits affected by the proposed improvement. It is assumed no work will be performed within the project omission limits south of the Lombard municipal limits; therefore, a Location Drainage Tech Memo to IDOT – Hydraulics at IL Route 56 (Butterfield Road) is not included.

Specifically, the following items will be performed as part of this task.

a. Existing Drainage Plan

- Prepare General Location Drainage Map.
- Obtain contour mapping of study area.
- Develop watershed divides and identify existing drainage features.
- Identify drainage outlets and determine interpreted divides.
- Identify any existing drainage problems within the project limits.
- Identify any existing floodplains within the project limits.
- Perform field reconnaissance of existing conditions and drainage structures within the project limits.
- Develop preliminary Existing Drainage Plan for the project limits, which will be a plan view existing at 1-inch = 50-feet scale and submit to the Village for review.

b. Proposed Drainage Plan

- Determine design criteria based on Village requirements as well as complying with the DuPage County Stormwater and Floodplain Ordinance (as required).
- Drainage Outlet Evaluation.
- Identify R.O.W. requirements for proposed drainage system.
- Stormwater detention and new storm sewer are not anticipated but we will evaluate the existing storm sewer, using current Bulletin 75 rainfall data, to ensure there is sufficient capacity to accommodate the proposed conditions.
- Prepare preliminary Proposed Drainage Plan (PDP) and submit to Village for review. The PDP will be a plan over profile sheet that matches the proposed roadway plan over profile sheet layout
- Meet with Village to review the Existing and Proposed Drainage Plan.
- Revise the Existing and Proposed Drainage Plans based on review comments. One revision included.
- Prepare and submit an IDOT Hydraulics Memo to IDOT-Local Roads for all locally-maintained routes. Includes one revision and preparation of a disposition of comments.

12. Public Involvement

Since new sidewalk would change the form and function of facilities along Finley Road it is anticipated that IDOT will require coordination with the public. The purpose of the public involvement process is to promote a proactive and responsive approach by seeking input from the public at a key point in the decision-making process. This process will include one public information meeting to be held after submittal of the Draft Project Development Report. Following are the specific tasks to be completed as part of this item:

a. Coordinate meeting venue details.

b. Prepare and distribute public meeting notification letters to area residents and businesses. It is assumed the Village will provide all addresses.

c. Prepare public meeting newspaper legal notice advertisement or similar.

d. Prepare public meeting brochure.

e. Prepare public meeting exhibits.

f. Attend public information meeting.

g. Prepare meeting summary and respond to comments. It is assumed that the Village will provide assistance in preparing responses.

h. Provide public meeting materials to Village for inclusion on website.

13. Draft Project Development Report (PDR)

Documentation of the Phase I study will include design studies, traffic analyses, environmental impacts, and coordination. It is anticipated this project will be processed as a State Approved Categorical Exclusion. The inclusion of new sidewalk accommodations as part of the improvements will require the preparation of a Project Development Report (PDR) (BLR 22210). This item includes the following:

a. Write, proofread and edit the Draft PDR.

b. Prepare plan & profile exhibits suitable for inclusion in the PDR based on Phase II design plans.

c. Prepare other report exhibits.

d. Compile appendices.

e. Prepare Approval of Design Variances form and Design Exception Guidelines (BLR 22120 and BLR 22000), assume 4 design variances. Up to one revision of the design variances, including a disposition, is included.

f. Provide Draft PDR for Village review, including the Categorical Exclusion Checklist (BLR 19110).

g. Provide a disposition of Village comments and revise Draft PDR up to one time.

h. Submit Draft PDR to IDOT, including one hard copy delivered to IDOT District 1.

i. Attend review meeting/phone conference with the Village and IDOT, if required.

14. Pre-Final and Final Project Development Report (PDR)

Based on the outcome of the draft report review, public involvement and input from the Village, Township and IDOT, the final Project Development Report will be prepared. Design Approval would be requested from IDOT. This work item will include the following tasks:

a. Prepare a disposition of IDOT comments on the draft PDR.

b. Revise, proofread and edit the draft PDR report.

c. Revise draft PDR exhibits and appendices.

d. Provide Pre-Final PDR for Village review.

e. Provide a disposition of Village comments and revise Pre-Final PDR up to one time.

f. Submit Pre-Final PDR to IDOT for review, including one hard copy if requested.

g. Revise Pre-Final PDR based on IDOT comments and prepare disposition of comments.

h. Submit the Final PDR and State Approved CE Checklist (BLR 19110) to IDOT for Design Approval.

15. Meetings and Coordination

This item includes time for Village, IDOT, DMMC and other agency coordination. Preparation of materials for the meeting and meeting minutes are included with each meeting. The following meetings are included:

a. Attend Village Kick-off meeting.

b. Attend IDOT Kick-off meeting with Phase I and DMMC Liaison.

c. Prepare Initial Coordination Meeting Data form (BLR 22410).

d. Attend FHWA Coordination Meeting (assume one).

e. Attend York Township meeting (assume one).

f. Attend DuPage County Division of Transportation meeting, if necessary (assume one) due to 22nd Street being included in the County's interconnect system.

g. Phone/email coordination with Village of Lombard Police and Fire, postmaster, schools, Park District, and potentially local businesses to inform them of the project, discuss potential detours, and construction staging. Assume a maximum of one coordination meeting in total will be conducted, if requested.

h. Coordination with DMMC for quarterly updates associated with STP funding received.

i. Village Coordination Meeting (assume seven bimonthly meetings). Includes meeting prep and summary email.

j. Coordination with IDOT regarding processing of submittals and reviews.

k. Preparation of updated PPI form and submittal to DMMC.

16. Supervision, Administration and Project Coordination

This item includes project setup, monthly invoicing, preparation of status reports, and in-house coordination meetings. This item also includes client coordination and implementation of Civiltech's QA/QC in-house review process. It is assumed that the Phase I Study will take 14 months to complete.

II. PHASE II ENGINEERING SCOPE OF SERVICES

According to the RFP, the Village anticipates patching and concrete panel replacement along Finley Road. Improvements will match into the PCC/HMA joint at the southern Village limit. However in our review of the project cost estimate provided with the RFP, the pavement quantities appeared to cover the full area of pavement within the project limits. Based on our field observations, we don't feel that full reconstruction is warranted, and agree with the rehabilitation strategy indicated by the Village in the RFP. Therefore this proposal has been prepared based on patching the PCC pavement, rather than full reconstruction.

As stated in the proposal, the project will include the installation of sidewalk on the east side of Finley Road in the missing gap between Eisenhower Lane and the existing sidewalk to the south. This could allow users on the east side of the street to cross Finley Road at the signalized Eisenhower Lane intersection and utilize the complete network on the west side of the street. However the traffic signal at Eisenhower Lane currently does not provide a crosswalk across Finley Road, and will need to be modified to provide additional pedestrian crossing signals. All sidewalk improvements will be designed in compliance with the Americans with Disabilities Act (ADA) and Public Rights-of-Way Accessibility Guidelines (PROWAG) requirements. The pavement rehabilitation will require existing sidewalk ramps to be rebuilt and upgraded, if needed, to meet current ADA and PROWAG requirement standards. All crosswalks and side street corners with sidewalk ramps will need to be evaluated for compliance and replaced if not in line with the current requirements.

The need for proposed right-of-way to construct the improvements is currently unknown. Our goal will be to avoid the need for any new right-of-way, including temporary easements. If a land acquisition phase was required, it would have a significant effect on the project cost and schedule. This proposal does not include land acquisition tasks such as appraisals, review appraisals and negotiations. If it becomes evident that land acquisition will be necessary, we will coordinate with the Village and IDOT to add that work to the contract.

As noted above, the traffic signal at the intersection of Finley Road and Eisenhower Lane will need to be modified to accommodate additional pedestrian crossings. The new sidewalk on the east side of Finley Road will require a new pedestrian crossing on the east leg of the intersection. Since the existing sidewalk on the east side of Finley ends at St. Mary's Cemetery, adding a pedestrian crossing across Finley Road at the Eisenhower Lane traffic signal would allow pedestrians to continue traveling along Finley Road on the west side. Accessible pedestrian signals (APS) would also be added and placed in locations adjacent to the sidewalk meeting PROWAG requirements, which may require the addition or relocation of some signal posts. Based on the level of traffic signal improvements and the anticipated scope of pavement patching rather than full reconstruction, it is believed that the traffic signal could be modified to accommodate the proposed improvements without the full replacement of the traffic signal, and without the need for a temporary traffic signal.

1. Data Collection and Early Coordination

a. Obtain and Review Record Data - We will obtain and review available Village data including, but not limited to, subdivision plans and plats, record plans, geotechnical reports, right-of-way data, aerial photography and contour mapping, sewer videos, other existing plans, and water and sewer system maps.

b. Preliminary Utility Company Coordination - We will call in a Design-Stage J.U.L.I.E. locate request and send letters and project location maps to the utility companies within the project limits requesting copies of their utility atlases to update any information obtained during Phase I.

c. Non-Special Waste / C.C.D.D. – A PESA will be performed as part of the Phase I Engineering by the Village's consultant, SEECO. If necessary, based on the results of the PESA, we will coordinate with SEECO to complete a Preliminary Site investigation (PSI) in accordance with IDOT requirements. SEECO will also complete the LPC 662/663 forms to document the suitability of excess site excavated material to be disposed of at a C.C.D.D. landfill. If their work determines that there are materials present that cannot be disposed of at a C.C.D.D. landfill, we will ensure that the contract documents contain the appropriate pay items and quantities to address the material testing and subsequent disposal at a landfill.

d. Field Survey and Preparation of Base Sheets – Civiltech will obtain high resolution drone photography of the corridor for use in developing the resurfacing plan base sheets. Millennia Professional Services will obtain actual field survey at key areas such as sidewalk ramps for purposes of ADA detailed grading.

Base sheets will be prepared at a scale of 1"=50' and 1"=20'. Once prepared, we will perform a "plan-in-hand" field check during which we will:

- Verify the completeness and accuracy of the design survey while familiarizing ourselves with the project area and any special conditions in the field.
- Obtain additional field measurements to supplement the base drawing development and include the necessary information for the bidding plans.
- Review the project area for any problematic drainage conditions that could be remedied as part of this project.
- Prepare a detailed inventory of existing signage and any other topographic features which may affect or be affected by the proposed design.
- Establish as accurately as possible the locations of existing private utilities in the field using a combination of the atlases obtained, and visual observation in the field.
- Photo-document the project area for use during design.

This item will also include a separate field survey by Phase III staff to document locations of required pavement and curb and gutter patching.

2. Preliminary Plans (65%)

a. Pavement Design – We will complete the design of the pavement rehabilitation in accordance with the Bureau of Local Roads and Streets Manual and any Village requirements. 3R guidelines are anticipated for the pavement design.

b. Preliminary Plans – We will prepare preliminary plans containing the following drawings:

- Cover Sheet and Index of Sheets
- General Notes and List of State and Local Standards
- Typical Sections
- Pavement Rehabilitation Plan Sheets 1"=20' dual view
- Pavement Marking and Signing 1"=50' dual view
- ADA Grading Details 1"=5'

Preliminary Plans will be developed using the findings and recommendations of the approved Phase I documents and the design criteria contained in the Illinois Department of Transportation's Bureau of Local Roads and Streets (BLRS) manual. The Preliminary Plan preparation and submittal will serve as a progress submittal for review by the Village staff, to identify and address any significant design issues prior to completing pre-final plans. We will communicate with the Village throughout the design process to resolve any current design issues.

To alert the various utility companies of possible conflicts and to advise them of the overall project schedule, we will submit the preliminary plans for their review. It is our intention that this submittal will allow the utility companies to review the plans to determine where additional information is needed concerning the location of their facilities.

c. Preliminary Estimate of Cost – In order to ensure that the project is tracking within the projected budget, a cost estimate will be prepared using the portions of the plans that have been completed. Estimated costs will be included for those items that have not yet been designed or detailed.

d. Preliminary Design Review Meeting - We will coordinate a meeting with Village staff to discuss the project. The meeting will be scheduled such that all parties will have had an opportunity to review the preliminary plans and provide comments.

3. Pre-Final (95%) Plans, Special Provisions and Estimates

a. Pre-Final Plans – The development of Pre-Final Contract Plans and documents will proceed throughout the Village's review of the Preliminary Plan Submittal. We will prepare pre-final contract plans based on comments received on the preliminary plans and in accordance with the approved PDR, the applicable sections of the BLRS manual, BDE manual, applicable IDOT Standards and in accordance with current Village standards and practices. We anticipate that the contract plans will contain the following drawings based on anticipated improvements that rehabilitate the Finley Road pavement, as opposed to full reconstruction.

- Cover Sheet and Index of Sheets (1 sheet)
- General Notes and List of State and Local Standards (2 sheets)
- Summary of Quantities (5 sheets)
- Typical Sections (2 sheets)
- Alignment and Benchmarks 1″=100′ (1 sheet)
- Pavement Rehabilitation Plan Sheets 1"=20' dual view (6 sheets)
- Construction Staging, Notes and Typical Sections (1 sheet)
- Pavement Marking and Signing 1"=50' dual view (2 sheets)
- ADA Grading Details 1″=5′ (4 sheets)
- Traffic Signal Plans (2 sheets)
- Traffic Signal Details (7 sheets)
- Construction Details (6 sheets)

The pre-final contract documents will be submitted to the Village and IDOT for review. We also anticipate a set will be submitted to DuPage County Division of Transportation (DCDOT), as the traffic signal at Finley Road and Eisenhower Lane is interconnected to DCDOT's traffic signal network. We will also submit the contract plans to the various utility companies. This submittal will sufficiently define the conflicts so that the utility companies can, at a minimum, perform the necessary engineering for any required utility relocations. This allows relocations to be performed in advance of the actual construction. Civiltech will perform the necessary coordination with the utility companies and follow up as needed on each of our submittals to ensure that no utility company is neglecting the project. Depending on the complexity of the utility involvement it may be necessary to conduct periodic coordination meetings.

b. Pre-Final Special Provisions - We will prepare special provisions that supplement or amend the specifications contained in the latest edition of the Standard Specifications for Road and Bridge Construction adopted by the Illinois Department of Transportation and the latest edition of the Standard Specifications for Sewer and Watermain Construction in Illinois. Applicable Village special provisions will be utilized to supplement the Standard Specifications. In addition, we will include the latest IDOT Recurring Special Provisions Check Sheet. The most recent set of IDOT's Bureau of Design and Environment (BDE) Special Provisions and District 1 Special Provisions will be reviewed and included in the special provisions where applicable.

c. Pre-Final Quantity Calculations - We will perform detailed quantity calculations at the pre-final stage of the plan development. Two sets of calculations will be performed by separate engineers in order to ensure the accuracy of the calculations.

d. Pre-Final Estimate of Cost and Construction Time - We will use the quantities of work in order to calculate an Engineer's Estimate of Cost and Time. The unit prices for the various items of work will be developed based on review and analysis of recent bid tabulations for projects of similar scope and magnitude.

e. Pre-Final QC/QA Review - Prior to submission of the pre-final plans for review, we will perform an internal Quality Control / Quality Assurance review of the work completed. The review will be performed by a professional engineer independent of the design team. The Construction Engineer will also complete a full contract document review at this time. The review will consider constructability issues as well as identification of missing pay items, quantities of work, and special provisions required. The design team will also perform a "plan-in-hand" field check to confirm the existing conditions and design.

f. Pre-Final Project Review Meeting - A project review meeting will be held with the Village, and IDOT if required, to address design issues and plan comments generated from the pre-final contract document review.

4. Final (100%) Plans, Special Provisions and Estimates

a. **Final Plans** - After completion of all agency reviews and resolution of any other agency or utility company concerns, the contract plans will be finalized. In order to assist the Resident Engineer (RE) we will furnish the Village, as part of our deliverables, detailed information including all design and quantity calculations. We will also prepare a technical memorandum to the RE highlighting any key issues, commitments, or special concerns that arose during the design stage of the project.

Since this is a Federal-aid project, IDOT will be responsible for letting the project. Therefore, we will provide IDOT with pdf's of the plans, as well as the number of reduced size copies that they request. We will also furnish the Village the requested type and number of copies of the final documents.

b. **Final Special Provisions** - All comments received pertaining to the pre-final special provisions and bid documents will be addressed and a disposition will be submitted with the final bid documents. The status and schedule of all utility relocations, as of the date of the final plans, will be included in the bid documents.

c. **Final Quantity Calculations** - The quantities will be updated based on changes made to the plans after the pre-final stage.

d. **Final Estimate of Cost and Construction Time** - The estimates will be updated based on the revised quantities. Civiltech will assist the Village and prepare a draft version of the joint agreement for construction (BLR 05310) between IDOT and the Village.

e. **Final QC/QA Review** - Prior to the final submittal, a second QC/QA review of the plans and special provisions will be performed.

5. Project Administration, Coordination and Permits

a. **Project Administration** - This item includes project setup, monthly invoicing, and preparation of status reports. In addition, this item includes coordinating meetings with the Village as well as internal project team coordination.

b. **Project Submittals** - As noted above, we will make the necessary document submittals, and follow through with each agency in regards to their review comments or arrange a review meeting to discuss plan changes necessary to resolve conflicts if possible.

c. **Utility Company Coordination** - As noted above, we will analyze the project for potential impacts to existing utilities. If encountered, we will provide the utility companies with a list of areas of potential conflict so that additional information, such as horizontal locates or depth borings, can be obtained where necessary to further define the extent of conflicts. We will first attempt to address utility conflicts through design modifications while considering the impact those changes will have on the overall improvement.

d. **Stormwater and Erosion Control Permitting** - All stormwater elements of the project will be designed to meet the requirements of the DuPage County Stormwater Management Ordinance. The Village of Lombard is a waiver community and can review all aspects of the project for compliance with the County ordinance.

e. **DOT BLRS Coordination and Joint Agreement Preparation** - We have included a nominal amount of time in our proposal to work with the Village and IDOT in the preparation of project update forms, Job Number Request forms and the joint agreements for construction. This item will also include coordination with the DMMC Planning Liaison to ensure that they are up to date on the project status from schedule and funding standpoints.

f. **Stakeholder Involvement and Public Coordination** – We anticipate stakeholder involvement throughout the project development and expect that the Village will hold an open house type meeting during the Phase I/Design engineering Phase. Civiltech will provide the Village with necessary supporting services to prepare public meeting exhibits and materials, present the project to the public at the meeting, and support the Village public involvement efforts. This may also include working with the Village's Communications Coordinator, Stephanie Calvillo, to support website and/or other social media strategies.

g. **Pre-Construction Meeting Attendance** - We will attend the pre-construction meeting at IDOT, Bureau of Construction to answer any questions regarding the design and contract documents.

COST ESTIMATE OF CONSULTANT SERVICES

	Personnel & Hours															
	Senior Project Manager	Project Manager	Project Engineer	Design Engineer	Senior Traffic Engineer	Traffic Engineer	Senior Wetland Scientist	Wetland Scientist	Senior Drainage Engineer	Drainage Engineer	Graphic Artist	Design Technician	Construction Engineer	Total Hours	% of Hours	Labor Cost
	$86.00	$70.00	$60.00	$44.00	$62.00	$48.00	$80.00	$35.00	$86.00	$45.00	$43.00	$45.00	$86.00			
PHASE I ENGINEERING																
1 Data Collection and Early Coordination	8	0	14	16	0	0	0	0	0	0	0	0	0	38	1.4%	$2,232.00
2 Field Survey and Preparation of Base Maps	5	0	12	16	0	0	0	0	0	0	0	32	0	65	2.3%	$3,294.00
3 Environmental Survey Request	6	0	14	64	0	0	0	0	0	0	0	28	0	112	4.0%	$5,432.00
4 Preliminary Environmental Site Assessment	8	0	8	0	0	0	0	0	0	0	0	0	0	16	0.6%	$1,168.00
5 Subsurface Pavement and Soils Investigation	8	0	8	0	0	0	0	0	0	0	0	0	0	16	0.6%	$1,168.00
6 Traffic Analyses	15	0	12	24	34	94	0	0	0	0	0	26	0	205	7.4%	$10,856.00
7 Intersection Design Studies	24	0	38	76	12	24	0	0	0	0	0	0	0	174	6.3%	$9,584.00
8 Crash Analysis	6	0	14	38	0	0	0	0	0	0	0	0	0	58	2.1%	$3,026.00
9 Wetland Study	5	0	9	12	0	0	22	94	0	0	0	0	0	142	5.1%	$6,548.00
10 Cost Estimate	6	0	12	16	0	0	0	0	0	0	0	0	0	34	1.2%	$1,940.00
11 Drainage Studies	10	0	2	2	0	0	0	0	40	201	0	0	0	255	9.2%	$13,553.00
12 Public Involvement	22	0	33	48	0	0	0	0	0	0	40	32	0	175	6.3%	$9,144.00
13 Draft Project Development Report	24	0	56	116	2	6	2	0	2	0	0	21	0	229	8.3%	$12,217.00
14 Pre-Final and Final Project Development Report	16	0	32	58	0	0	0	0	0	4	0	17	0	129	4.7%	$6,965.00
15 Meetings and Coordination	64	0	40	20	0	0	0	0	0	0	0	16	0	140	5.1%	$9,504.00
16 Supervision, Administration and Project Coordination	86	0	32	14	8	0	0	0	8	0	0	0	0	148	5.3%	$11,116.00
Sub-Total (Phase I Engineering)	315	0	336	520	56	124	24	94	50	205	40	172	0	1936	69.97%	$107,749.00
	16%	0%	17%	27%	3%	6%	1%	5%	3%	11%	2%	9%	0%			
PHASE II ENGINEERING																
1 Data Collection and Early Coordination	0	14	17	52	0	0	0	0	0	0	0	16	16	115	4.2%	$6,384.00
2 Preliminary Plans (65%)	2	25	75	108	0	0	0	0	0	0	0	0	0	210	7.6%	$11,174.00
3 Pre-Final (95%) Plans, Special Provisions and Estimates	10	39	83	162	0	0	0	0	0	0	0	0	8	302	10.9%	$16,386.00
4 Final (100%) Plans, Special Provisions and Estimates	6	11	27	30	0	0	0	0	0	0	0	0	4	78	2.8%	$4,570.00
5 Project Administration, Coordination and Permits	15	33	36	34	0	0	0	0	0	8	0	0	0	126	4.6%	$7,616.00
Sub-Total (Phase II Engineering)	33	122	238	386	0	0	0	0	0	8	0	16	28	831	30.0%	$46,130.00
Total Labor Cost																$153,879.00
Multiplier = 2.70																$415,473.30
Direct Costs and Sub Consultant Expense (See attached calculation)																$40,517.75
													Total Engineering Cost:	2767	100.0%	$455,991.05

CIVILTECH

Proposal for Phase I and Phase II Design Services

Finley Road Reconstruction/Rehabilitation Project

Village of Lombard

WORKHOURS

Item No.	Task	Personnel & Hours													Total Hours	% of Hours
		Senior Project Manager	Project Manager	Project Engineer	Design Engineer	Senior Traffic Engineer	Traffic Engineer	Senior Wetland Scientist	Wetland Scientist	Senior Drainage Engineer	Drainage Engineer	Graphic Artist	Design Technician	Construction Engineer		
PHASE I ENGINEERING																
1	**Data Collection and Early Coordination**															
A.	Collect and review previous studies, databases, Geographic Information System (GIS) resources, and existing roadway plans.	2		2	4										8	21.1%
B.	Collect Land Use, Zoning, School District, Park District, etc. maps and plans.			2	2										4	10.5%
C.	Obtain recent digital aerial photography of study area at a scale of 1" = 50'.			4	4										8	21.1%
D.	Perform two plan-in-hand field visits.	8		6	6										18	47.4%
	Sub-total Item No. 1	8	0	14	16	0	0	0	0	0	0	0	0	0	38	100.0%
2	**Field Survey and Preparation of Base Maps**															
A.	Coordination with subconsultant. Review of subconsultant deliverables.	4		8	8								16		36	55.4%
B.	Prepare base map including right-of-way and property lines, street names, and individual addresses.	1		4	8								16		29	44.6%
	Sub-total Item No. 2	5	0	12	16	0	0	0	0	0	0	0	32	0	65	100.0%
3	**Environmental Survey Request**															
A.	Prepare ESR exhibits.	2		4	40								24		70	62.5%
B.	40-year old building summary and photolog.	1		4	8										13	11.6%
C.	Prepare and submit ESR Pre-Screen forms.	1		2	8										11	9.8%
D.	Prepare ESR Form and Submit Files.	2		2	4										8	7.1%
E.	Prepare GIS Shape Files.			2	4								4		10	8.9%
	Sub-total Item No. 3	6	0	14	64	0	0	0	0	0	0	0	28	0	112	100.0%
4	**Preliminary Environmental Site Assessment**															
A.	Coordination with subconsultant.	4		4											8	50.0%
B.	Review of subconsultant deliverables.	4		4											8	50.0%
	Sub-total Item No. 4	8	0	8	0	0	0	0	0	0	0	0	0	0	16	100.0%
5	**Subsurface Pavement and Soils Investigation**															
A.	Coordination with subconsultant.	4		4											8	50.0%
B.	Review of subconsultant deliverables.	4		4											8	50.0%
	Sub-total Item No. 5	8	0	8	0	0	0	0	0	0	0	0	0	0	16	100.0%
6	**Traffic Analyses**															
A.	Obtain record signal timings for all signalized intersections.					2	2								4	2.0%
B.	Perform a 24-hour turning movement count at all signalized intersections.					2	10						10		22	10.7%
C.	Process and format turning movement count data. Prepare tables and exhibits.					4	10								14	6.8%
D.	Confirm existing signal warrants for each traffic signal.	1				4	12								17	8.3%
E.	Analyze Existing Conditions traffic volumes for the A.M. and P.M. peak hours at all signalized intersections using the most current version of Synchro.	2				4	16								22	10.7%
F.	Obtain year 2050 projections from the Chicago Metropolitan Agency for Planning (CMAP) and develop projected design hourly volumes.	2				2	8								12	5.9%
G.	Analyze Existing Conditions for the A.M. and P.M. peak hours at all signalized intersections using Synchro under 2050 design year traffic volumes. Summarize Synchro delay and queuing results for existing conditions and design year.	2				4	12								18	8.8%
H.	Prepare and submit an abbreviated IDOT Traffic Memo for the IL Route 56 (Butterfield Road) intersection.	4		8	16	8	16						8		60	29.3%
I.	Prepare and submit an abbreviated IDOT Traffic Memo to IDOT-Local Roads for locally-maintained signals.	4		4	8	4	8						8		36	17.6%
	Sub-total Item No. 6	15	0	12	24	34	94	0	0	0	0	0	26	0	205	100.0%
7	**Intersection Design Studies**															
	Local Roads IDS (Assume 2 Signalized Intersections)															
A.	Summarize traffic data and analyses on IDS base sheets.	4		4		12	24								44	25.3%
B.	Incorporate horizontal and vertical geometric design into IDS base sheets and notate.	8		12	24										44	25.3%
C.	Complete vehicle turning-template analyses using AutoTURN software. AutoTURN exhibits will be prepared and included with the IDS submittals.			2	24										26	14.9%
D.	Prepare and submit IDS package to the Village for review, includes one revision and preparation of Disposition of Comments.	4		8	12										24	13.8%
E.	Assume one revision based on IDOT PDR review comments, including a disposition.	8		12	16										36	20.7%
	Sub-total Item No. 7	24	0	38	76	12	24	0	0	0	0	0	0	0	174	100.0%
8	**Crash Analysis**															
A.	Collect most recent 5 years of crash data available.	2		2											4	6.9%

WORKHOURS (EXTENDED)

Item No.	Task	Personnel & Hours													Total Hours	% of Hours
		Senior Project Manager	Project Manager	Project Engineer	Design Engineer	Senior Traffic Engineer	Traffic Engineer	Senior Wetland Scientist	Wetland Scientist	Senior Drainage Engineer	Drainage Engineer	Graphic Artist	Design Technician	Construction Engineer		
B.	Tabulate data and prepare collision diagrams.	2		4	30										36	62.1%
C.	Prepare wet/dry crash analysis.			2	2										4	6.9%
D.	Prepare roadway lighting warrant analysis.			2	2										4	6.9%
E.	Evaluate safety improvement needs, identify countermeasures and write crash analysis text.	2		4	4										10	17.2%
	Sub-total Item No. 8	6	0	14	38	0	0	0	0	0	0	0	0	0	58	100.0%
9	Wetland Study															
A.	Update Aquatic Resources Delineation Report, as needed.	1		1				8	52						62	43.7%
B.	Bridge Bat Assessment (BBA) Forms	1		1				6	18						26	18.3%
C.	Wetland Impact Evaluation (WIE) Forms	1		1				6	24						32	22.5%
D.	Wetland Impact Evaluation (WIE) Exhibits	2		6	12			2							22	15.5%
	Sub-total Item No. 9	5	0	9	12	0	0	22	94	0	0	0	0	0	142	100.0%
10	Cost Estimate															
A.	Preparation of cost estimate.	2		8	12										22	64.7%
B.	Submittal of estimate for Village review.	2		2											4	11.8%
C.	Revise cost estimate up to one time.	2		2	4										8	23.5%
	Sub-total Item No. 10	6	0	12	16	0	0	0	0	0	0	0	0	0	34	100.0%
11	Drainage Studies															
A.	Existing Drainage Plan															
	Prepare General Location Drainage Map.									1	6				7	2.7%
	Obtain contour mapping of study area.										4				4	1.6%
	Develop watershed divides and identify existing drainage features.										8				8	3.1%
	Identify drainage outlets and determine interpreted divides.										8				8	3.1%
	Identify any existing drainage problems within the project limits.									1	4				5	2.0%
	Identify any existing floodplains within the project limits.										1				1	0.4%
	Perform field reconnaissance of existing conditions and drainage structures within the project limits.									4	4				8	3.1%
	Develop preliminary Existing Drainage Plan for the project limits.	2								8	40				50	19.6%
B.	Proposed Drainage Plan															
	Determine design criteria based on Village requirements as well as complying with the DuPage County Stormwater and Floodplain Ordinance (as required).									1	4				5	2.0%
	Drainage Outlet Evaluation.									1	4				5	2.0%
	Identify R.O.W. requirements for proposed drainage system.									1	32				33	12.9%
	Stormwater detention and new storm sewer are not anticipated but we will evaluate the existing storm sewer, using current Bulletin 75 rainfall data, to ensure there is sufficient capacity to accommodate the proposed conditions.									8	32				40	15.7%
	Prepare preliminary Proposed Drainage Plan (PDP) and submit to Village for review. The PDP will be a plan over profile sheet that matches the proposed roadway plan over profile sheet layout	2								12	48				62	24.3%
	Meet with Village to review the Existing and Proposed Drainage Plan.	2								2	2				6	2.4%
	Revise the Existing and Proposed Drainage Plans based on review comments. One revision included.									1	4				5	2.0%
	Prepare and submit an IDOT Hydraulics Memo to IDOT-Local Roads for all locally-maintained routes.	4		2	2										8	3.1%
	Sub-total Item No. 11	10	0	2	2	0	0	0	0	40	201	0	0	0	255	100.0%
12	Public Involvement															
A.	Coordinate meeting venue details.			1											1	0.6%
B.	Prepare and distribute public meeting notification letters to area residents and businesses.	1		2	8										11	6.3%
C.	Prepare public meeting newspaper legal notice advertisement or similar.	1		2											3	1.7%
D.	Prepare public meeting brochure.	2		6								8			16	9.1%
E.	Prepare public meeting exhibits.	8		12	32							32	32		116	66.3%
F.	Attend public information meeting.	4		4	4										12	6.9%
G.	Prepare meeting summary and respond to comments.	4		4	4										12	6.9%
H.	Provide public meeting materials to Village for inclusion on website.	2		2											4	2.3%
	Sub-total Item No. 12	22	0	33	48	0	0	0	0	0	0	40	32	0	175	100.0%
13	Draft Project Development Report															
A.	Write, proofread and edit the Draft PDR.	8		16	40	2		2		2					70	30.6%
B.	Prepare plan & profile exhibits suitable for inclusion in the PDR based on Phase II design plans.	2		6	20										28	12.2%
C.	Prepare other report exhibits.	2		8	12		2						16		40	17.5%
D.	Compile appendices.	2		8	12										22	9.6%

WORKHOURS (EXTENDED)

Item No.	Task	Personnel & Hours													Total Hours	% of Hours
		Senior Project Manager	Project Manager	Project Engineer	Design Engineer	Senior Traffic Engineer	Traffic Engineer	Senior Wetland Scientist	Wetland Scientist	Senior Drainage Engineer	Drainage Engineer	Graphic Artist	Design Technician	Construction Engineer		
E.	Prepare Approval of Design Variances form and Design Exception Guidelines (BLR 22120 and BLR 22000), assume 4 design variances. Includes one revision and disposition of comments.	4		10	16		4								34	14.8%
F.	Provide Draft PDR for Village review, including BLR 19110, Categorical Exclusion Checklist.	1		2	6										9	3.9%
G.	Provide a disposition of Village comments and revise Draft PDR up to one time.	1		2	4								4		11	4.8%
H.	Submit Draft PDR to IDOT.	2		2	2								1		7	3.1%
I.	Attend review meeting/phone conference with the Village and IDOT, if required.	2		2	4										8	3.5%
	Sub-total Item No. 13	24	0	56	116	2	6	2	0	2	0	0	21	0	229	100.0%
14	Pre-Final and Final Project Development Report															
A.	Prepare a disposition of IDOT comments on the draft PDR.	2		4	8										14	10.9%
B.	Revise, proofread and edit the draft PDR report.	4		8	16						4				32	24.8%
C.	Revise draft PDR exhibits and appendices.			4	12								12		28	21.7%
D.	Provide Pre-Final PDR for Village review.	2		2											4	3.1%
E.	Provide a disposition of Village comments and revise Pre-Final PDR for IDOT Submittal, up to one time.	2		2	4										8	6.2%
F.	Submit Pre-Final PDR to IDOT for review.	2		2	2								1		7	5.4%
G.	Revise Pre-Final based on IDOT comments and prepare disposition of comments.	4		8	16								4		32	24.8%
H.	Submit the Final PDR and State Approved CE Checklist (BLR 19110) to IDOT for Design Approval.	2		2											4	3.1%
	Sub-total Item No. 14	18	0	32	58	0	0	0	0	0	4	0	17	0	129	100.0%
15	Meetings and Coordination															
A.	Attend Village Kick-off meeting.	4		4											8	5.7%
B.	Attend IDOT Kick-off meeting with Phase I staff and DMMC Liaison.	4		4									4		12	8.6%
C.	Prepare Initial Coordination Meeting Data form (BLR 22410).	2		4	12										18	12.9%
D.	Attend FHWA Coordination Meeting (assume one).	4		4	2								4		14	10.0%
F.	Attend York Township meeting (assume one).	4		4	2								2		12	8.6%
G.	Attend DuPage County Division of Transportation meeting, if necessary (assume one).	4		4									4		12	8.6%
H.	Phone/email coordination with Village of Lombard Police and Fire, postmaster, schools, Park District, and potentially local businesses to inform them of the project, discuss potential detours, and construction staging. Assume a maximum of one coordination meetings total will also be necessary if requested.	8		8	4										20	14.3%
I.	Coordination with DMMC for quarterly updates associated with STP funding received.	10													10	7.1%
J.	Village Coordination Meeting (assume seven bimonthly meetings). Includes meeting prep and summary email.	8													8	5.7%
K.	Coordination with IDOT regarding processing of submittals and reviews.	8		8									2		18	12.9%
L.	Preparation of updated PPI Form and submittal to DMMC.	8													8	5.7%
	Sub-total Item No. 15	64	0	40	20	0	0	0	0	0	0	0	16	0	140	100.0%
16	Supervision, Administration and Project Coordination															
A.	Project setup.	4		4											8	5.4%
B.	Monthly invoicing and status report. Assume 14 months.	14													14	9.5%
C.	In-House Coordination meetings. Assume 3 people, 14 meetings, 1 hour/each.	14		14	14										42	28.4%
D.	Regular client coordination as needed including email and phone coordination.	14		14											28	18.9%
E.	QA/QC Reviews.	40				8				8					56	37.8%
	Sub-total Item No. 16	88	0	32	14	8	0	0	0	8	0	0	0	0	148	100.0%
	Sub-total (Phase I Engineering)	315	0	336	520	56	124	24	94	50	205	40	172	0	1936	
PHASE II ENGINEERING																
1	Data Collection and Early Coordination															
A.	Collect and Review Record Data		1	4	4										9	7.8%
B.	Preliminary Utility Company Coordination		1	1	8										10	8.7%
C.	Non-Special Waste/CCDD		4	4											8	7.0%
D.	Field Survey and Preparation of Base Sheets		8	8	40								16	16	88	76.5%
	Sub-total Item No. 1	0	14	17	52	0	0	0	0	0	0	0	16	16	115	100.0%
2	Preliminary Plans (65%)															
A.	Pavement Design		2	4	4										10	4.8%
B.	Preliminary Plans															
	Cover Sheet and Index of Sheets			1	4										5	2.4%
	General Notes and List of State Standards		1	4	4										9	4.3%
	Typical Sections		1	3	8										12	5.7%
	Pavement Rehabilitation Plan Sheets 1"=20' dual view	2	8	24	24										58	27.6%
	Pavement Marking and Signing 1"=50' dual view		1	4	8										13	6.2%

WORKHOURS (EXTENDED)

Item No.	Task	Personnel & Hours													Total Hours	% of Hours
		Senior Project Manager	Project Manager	Project Engineer	Design Engineer	Senior Traffic Engineer	Traffic Engineer	Senior Wetland Scientist	Wetland Scientist	Senior Drainage Engineer	Drainage Engineer	Graphic Artist	Design Technician	Construction Engineer		
	ADA Grading Details 1"=5'		8	24	40										72	34.3%
C.	Preliminary Estimate of Cost		2	8	16										26	12.4%
D.	Preliminary Design Review Meeting		2	3											5	2.4%
	Sub-total Item 2	2	25	75	108	0	0	0	0	0	0	0	0	0	210	100.0%
3	Pre-Final (95%) Plans, Special Provisions and Estimates															
A.	Pre-Final Plans															
	Cover Sheet and Index of Sheets (1 sheet)				2										2	0.7%
	General Notes and List of State Standards (2 sheets)				2										2	0.7%
	Summary of Quantities (5 sheets)				6										6	2.0%
	Typical Sections (2 sheets)		1	2	4										7	2.3%
	Alignment and Benchmarks 1"=100' (1 sheet)		1	2	8										11	3.6%
	Resurfacing Plan Sheets 1"=20' dual view (6 sheets)	1	8	24	40										73	24.2%
	Construction Staging, Notes and Typical Sections (1 sheet)		1	2	2										5	1.7%
	Pavement Marking and Signing 1"=50' dual view (2 sheets)		1	2	4										7	2.3%
	ADA Grading Details 1"=5' (4 sheets)		4	16	24										44	14.6%
	Traffic Signal Plans 1"=20' (2 sheets)		16		40										56	18.5%
	Traffic Signal Details (7 sheets)				2										2	0.7%
	Construction Details (6 sheets)		1	2	4										7	2.3%
B.	Pre-Final Special Provisions		2	12	8										22	7.3%
C.	Pre-Final Quantity Calculations			16	16										32	10.6%
D.	Pre-Final Estimate of Cost and Construction Time	1	2	2											5	1.7%
E.	Pre-Final QC/QA Review	8												8	16	5.3%
F.	Pre-Final Project Relvew Meeting		2	3											5	1.7%
	Sub-total Item 3	10	39	83	162					0	0		0	8	302	100.0%
4	Final (100%) Plans, Special Provisions and Estimates															
A.	Final Plans	2	8	16	24										50	64.1%
B.	Final Special Provisions		2	4											6	7.7%
C.	Final Quantity Calculations			6	6										12	15.4%
D.	Final Estimate of Cost and Construction Time		1	1											2	2.6%
E.	Final QC/QA Review	4												4	8	10.3%
	Sub-total Item 4	6	11	27	30					0	0		0	4	78	100.0%
5	Project Administration, Coordination and Permits															
A.	Project Administration	12	16												28	22.2%
B.	Project Submittals		3	12	12										27	21.4%
C.	Utility Company Coordination		4	16	16										36	28.6%
D.	Stormwater and Erosion Control Permitting		2	4	4						8				18	14.3%
E.	IDOT BLRS Coordination and Joint Agreement Preparation	1	4	2											7	5.6%
F.	Stakeholder Involvement and Public Coordination	2	2	2	2										8	6.3%
G.	Pre-Construction Meeting Attendance		2												2	1.6%
	Sub-total Item 5	15	33	36	34					0	8		0	0	126	100.0%
	Sub-total Task No. II (Phase II Engineering)	33	122	238	386	0	0	0	0	0	8	0	16	28	831	
	Total Hours:	348	122	574	906	56	124	24	94	50	213	40	186	28	2767	
	% of Hours:	12.6%	4.4%	20.7%	32.7%	2.0%	4.5%	0.9%	3.4%	1.8%	7.7%	1.4%	6.8%	1.0%	100.0%	

DIRECT COSTS

DIRECT COSTS

PHASE I ENGINEERING		
ITEM 1 - Data Collection and Early Coordination		
Mileage - 2 trips @ 30 miles @ $0.725/mile for 2 staff	$	87.00
Total Item 1		**$87.00**
ITEM 2 - Field Survey and Preparation of Base Maps		
Mileage - 1 trip @ 30 miles @ $0.725/mile for 2 staff	$	43.50
Subconsultant Expense - Millennia Professional Services (Topographic Survey)	$	34,837.00
Total Item 2		**$34,880.50**
ITEM 6 - Traffic Analyses		
Mileage - 2 trips @ 30 miles @ $0.725/mile for 2 staff	$	87.00
Miovision Video Count - $410 per intersection for 4 Intersections	$	1,640.00
Total Item 6		**$1,727.00**
ITEM 9 - Wetland Study		
Mileage - 1 trip @ 30 miles @ $0.725/mile for 2 staff	$	43.50
Total Item 9		**$43.50**
ITEM 11 - Drainage Studies		
Mileage - 1 trip @ 30 miles @ $0.725/mile for 2 staff	$	43.50
Total Item 11		**$43.50**
ITEM 12 - Public Involvement		
Mileage - 1 trip @ 30 miles @ $0.725/mile for 3 staff	$	65.25
Printing		
Invite Letters - 500 sheets @ $0.50/sheet	$	250.00
Display Exhibits - 10 sheets @ $50/sheet	$	500.00
Brochures - 50 sheets @ $1/sheet	$	50.00
Public Meeting Supplies (foam core boards, easels, etc.)	$	500.00
Postage		
1 meeting @ 500 letters @ $0.78/letter	$	390.00
1 meeting @ 15 certified letters @ $15/letter	$	225.00
Legal Advertisement - 2 postings @ $300 each	$	600.00
Total Item 12		**$2,580.25**
ITEM 13 - Draft Project Development Report		
Printing - 400 sheets @ $0.50/sheet	$	200.00
Total Item 13		**$200.00**
ITEM 14 - Pre-Final and Final Project Development Report		
Printing - 400 sheets @ $0.50/sheet	$	200.00
Total Item 14		**$200.00**

DIRECT COSTS (EXTENDED)

PHASE II ENGINEERING		
ITEM 1 - Data Collection and Early Coordination		
Mileage		
3 trips X 30 miles	$	90.00
Total Item 1		**$90.00**
ITEM 2 - Preliminary Plans (65%)		
Printing (Plan Sets)		
Utility Co. 8 sets X 17 sheets/set X $0.25/sheet	$	34.00
Total Item 2		**$34.00**
ITEM 3 - Pre-Final (95%) Plans, Special Provisions & Estimates		
Printing (Plan Sets)		
Utility Co. 8 sets X 39 sheets/set X $0.25/sheet	$	78.00
IDOT 8 sets X 39 sheets/set X $0.25/sheet	$	78.00
Printing (Specs)		
IDOT 8 books x $20/book	$	160.00
Total Item 3		**$316.00**
ITEM 4 - Final (100%) Plans, Special Provisions & Estimates		
Printing (Plan Sets)		
Utility Co. 8 sets X 70 sheets/set X $0.25/sheet	$	78.00
IDOT 8 sets X 70 sheets/set X $0.25/sheet	$	78.00
Printing (Specs)		
IDOT 8 books x $20/book	$	160.00
Total Item 4		**$316.00**
TOTAL DIRECT EXPENSES:		**$40,517.75**

MILLENNIA
PROFESSIONAL SERVICES

2600 Warrenville Rd. Suite 203 · Downers Grove, IL 60515 · (Phone) 630.705.0110 · (Fax) 630.839.2566

SCOPE OF WORK

Project:	Finley Road Reconstruction/Rehabilitation
Location:	From 22nd Street to North of Brook Drive
County:	DuPage
Client:	Civiltech Engineering Inc./Village of Lombard

SCOPE OF SERVICES

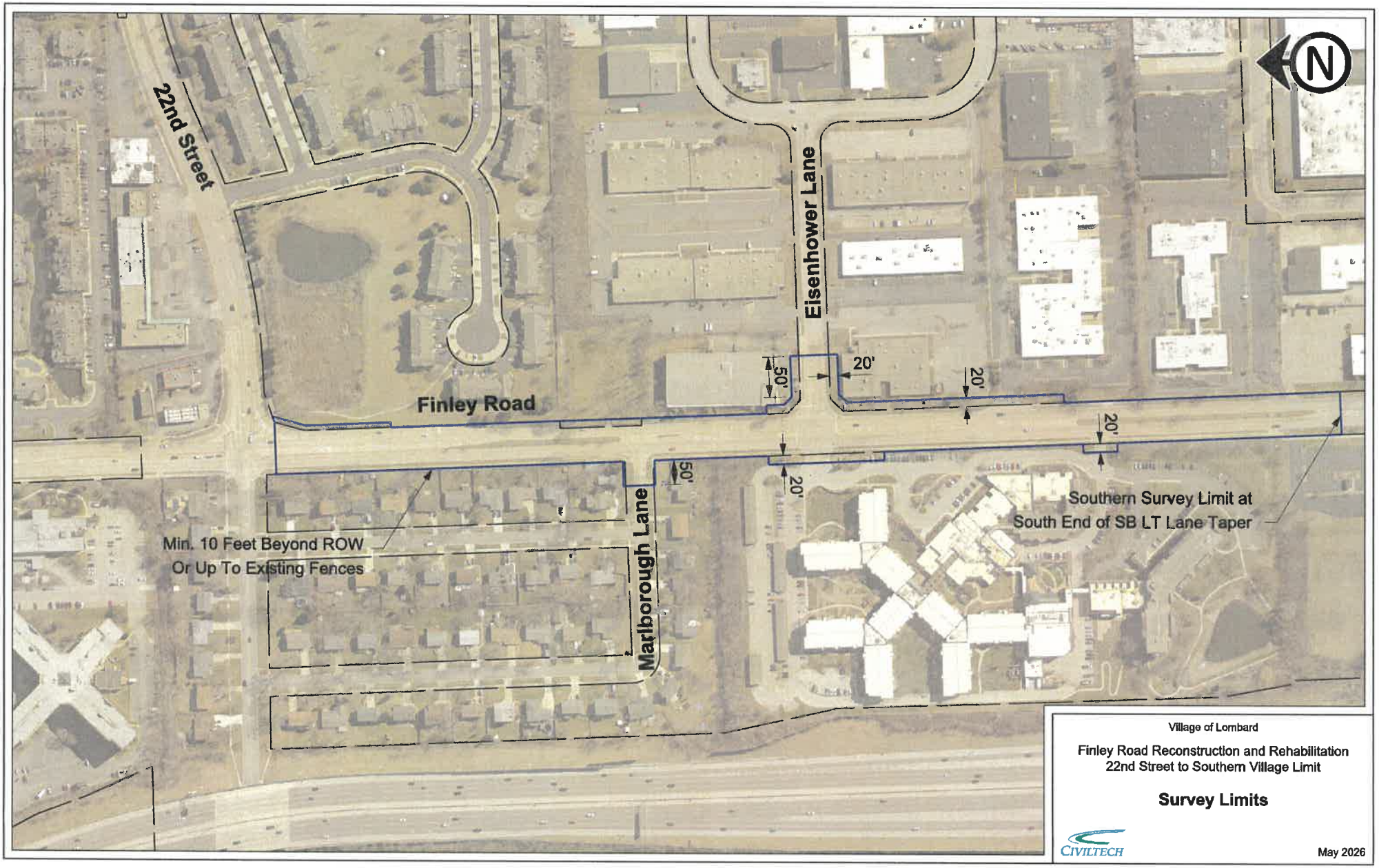
Millennia will perform the following tasks:

1. Topographic survey along Finley Road from 22nd Street to just north of Brook Drive
   - The topo limits are depicted on the attached Exhibit 1.
   - The breakdown of the survey tasks is shown on the survey hours estimate
2. Supplemental Survey
   - Two (2) days included for additional/miscellaneous
3. Survey Data Processing
   - Process survey data and develop existing plans
4. QAQC
5. Project Management/Administration

Deliverables:

- Provide Microstation ORD CAD files in accordance with IDOT CADD Standards.
- Provide survey field notes, control ties, and point files.

Project Schedule:
Work shall commence within 5 days upon notice to proceed.



Village of Lombard

Finley Road Reconstruction and Rehabilitation
22nd Street to Southern Village Limit

Survey Limits

CIVILTECH

May 2026

Exhibit 1

Illinois Department of Transportation

EXHIBIT D

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

FIXED RAISE

Local Public Agency	County	Section Number
Village of Lombard	DuPage	
Prime Consultant (Firm) Name	**Prepared By**	**Date**
Civiltech Engineering, Inc.	Ramon Dela Cruz	5/3/2026
Consultant / Subconsultant Name	**Job Number**	
Millennia Professional Services of Illinois		

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	5	MONTHS	OVERHEAD RATE	138.33%
START DATE	6/23/2026		COMPLEXITY FACTOR	0
RAISE DATE	1/10/2027		% OF RAISE	3.00%
END DATE	11/22/2026			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	6/23/2026	11/22/2026	5	100.00%

The total escalation = 0.00%

Local Public Agency	County
Village of Lombard	DuPage

Consultant / Subconsultant Name

Millennia Professional Services of Illinois

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSI

MAXIMUM PAYROLL RATE	**90.00**
ESCALATION FACTOR	**0.00%**

JOB SPECIFIC - Classifications and Average Payrates need to match current payrolls submitted to the Department.

CLASSIFICATION	IDOT AVG PAYROLL RATES ON FILE	CALCULATED RATE
Senior Project Manager	$82.43	$82.43
Senior Project Engineer	$71.25	$71.25
Project Manager	$60.31	$60.31
Project Engineer	$52.00	$52.00
Engineer III	$43.28	$43.28
Engineer II	$37.26	$37.26
Engineer I	$32.98	$32.98
Geologist III	$41.50	$41.50
Technician VII	$68.00	$68.00
Technician V	$49.71	$49.71
Technician IV	$42.90	$42.90
Technician III	$35.28	$35.28
Technician II	$28.11	$28.11
Technician I	$23.29	$23.29
Intern	$20.67	$20.67
Union Technician - Level F	$58.79	$58.79
Union Technician - Level C	$49.55	$49.55
Union Technician - Level B	$46.68	$46.68
Union Technician - Level A	$50.10	$50.10
Administrator III	$48.50	$48.50
Administrator II	$29.01	$29.01
Administrator I	$25.82	$25.82

Local Public Agency	County	Section Number
Village of Lombard	DuPage	
Consultant / Subconsultant Name		**Job Number**
Millennia Professional Services of Illinois		

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Per Diem (per Federal GSA)	Up to federal maximum			$0.00
Lodging (per Federal GSA)	Actual Cost (Up to Federal rate maximum)			$0.00
Lodging Taxes and Fees (per Federal GSA)	Actual Cost			$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			$0.00
Vehicle Mileage (per Federal GSA)	Up to Federal rate maximum			$0.00
Vehicle Owned or Leased (no mileage charge allowed)	$45.00/half day (4 hours or less) or $90/full day	15	$90.00	$1,350.00
Vehicle Rental	Actual Cost (Up to $55/day)			$0.00
Tolls	Actual Cost			$0.00
Parking	Actual Cost			$0.00
Overtime	Premium portion (Submit supporting documentation)			$0.00
Shift Differential	Actual Cost (Based on firm's policy)			$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			$0.00
Project Specific Insurance	Actual Cost			$0.00
Monuments (Permanent)	Actual Cost			$0.00
Photo Processing	Actual Cost			$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			$0.00
CADD	Actual Cost (Max $15/hour)			$0.00
Web Site	Actual Cost (Submit supporting documentation)			$0.00
Advertisements	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			$0.00
Recording Fees	Actual Cost			$0.00
Transcriptions (specific to project)	Actual Cost			$0.00
Courthouse Fees	Actual Cost			$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
Testing of Soil Samples	Actual Cost			$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			$0.00
				$0.00
				$0.00
				$0.00
			TOTAL DIRECT COSTS:	**$1,350.00**

Local Public Agency
Village of Lombard

County
DuPage

Section Number

Consultant / Subconsultant Name
Millennia Professional Services of Illinois

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 138.33%   **COMPLEXITY FACTOR** 0

TASK	DIRECT COSTS (not included in row totals)	MANHOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Survey	1,350	231	11,007	15,226	3,632		31,215	89.60%
QAQC		3	181	250	60		491	1.41%
Project Management/Administration		14	1,154	1,596	381		3,131	8.99%
			-	-	-		-	
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Subconsultant DL					0.00			
TOTALS	1,350	248	12,342	17,072	4,073	-	34,837	100.00%

Local Public Agency
Village of Lombard

County
DuPage

Section Number

Consultant / Subconsultant Name
Millennia Professional Services of Illinois

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Survey			QAQC			Management/Administration								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Project Manager	82.43	14.0	5.65%	4.65							14	100.00%	82.43						
Senior Project Engineer	71.25	0.0																	
Project Manager	60.31	3.0	1.21%	0.73				3	100.00%	60.31									
Project Engineer	52.00	0.0																	
Engineer III	43.28	0.0																	
Engineer II	37.26	0.0																	
Engineer I	32.98	0.0																	
Geologist III	41.50	0.0																	
Technician VII	68.00	0.0																	
Technician V	49.71	198.0	79.84%	39.69	198	85.71%	42.61												
Technician IV	42.90	0.0																	
Technician III	35.28	33.0	13.31%	4.69	33	14.29%	5.04												
Technician II	28.11	0.0																	
Technician I	23.29	0.0																	
Intern	20.67	0.0																	
Union Technician - Level F	58.79	0.0																	
Union Technician - Level C	49.55	0.0																	
Union Technician - Level B	46.68	0.0																	
Union Technician - Level A	50.10	0.0																	
Administrator III	48.50	0.0																	
Administrator II	29.01	0.0																	
Administrator I	25.82	0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
TOTALS		248.0	100%	$49.77	231.0	100.00%	$47.65	3.0	100%	$60.31	14.0	100%	$82.43	0.0	0%	$0.00	0.0	0%	$0.00

Location: Finley Rd
(22nd Street to North of Brook Drive
(South End of SB LT Lane Taper)

Project: Finley Road
Reconstruction/Rehabilitation
Village of Lombard

Survey Hours Estimate

DATA COLLECTION

				HOURS
DATA COLLECTION AND REVIEW				0.0

DESIGN SURVEY

FIELD SURVEY

RECONNAISSANCE EXISTING CONTROL	DAYS	HRS/DAY	CREW	HOURS
HORIZONTAL (NAD 83) GPS	1.00	8.00	1	8.0
VERTICAL (NAVD 88) GPS	1.00	8.00	1	8.0

SET & TIE MAIN TRAVERSE POINTS	EACH	HRS/EA	CREW	HOURS
	10.00	0.50	2	10.0

SET & TIE BENCHES	EACH	HRS/EA	CREW	HOURS
New Benches	6.00	0.50	1	3.0
Existing Benches	1.00	0.50	1	0.5

SET SECONDARY TRAVERSE POINTS	EACH	HRS/EA	CREW	HOURS
				0.0

BENCHES CIRCUITS	EACH	HRS/EA	CREW	HOURS
EXISTING BENCHES	1.00	1.00	2	2.0
USE GPS TO BRING INTO PROJECT AREA				
NEW BENCHES	6.00	1.00	2	12.0
USE TOTAL STATION				
LOOPS TO CONTROL POINTS	10.00	0.75	2	15.0

MAIN TRAVERSE	EACH	HRS/EA	CREW	HOURS
PROJECT CONTROL USING TOTAL STATION	10.00	0.25	1	2.5

TOPOGRAPHY (50 FT INTERVALS)	STA	HRS/ STA	CREW	HOURS
	52.00	0.65	1	33.8

TOPOGRAPHY VERIF (50 FT INTERVALS)	STA	HRS/ STA	CREW	HOURS
	52.00	0.13	1	6.8

ADA RAMP SURVEY	LOC	HRS/ LOC	CREW	HOURS
NOT IN SCOPE	0.00	0.75	1	0.0

CROSS SECTIONS (EVERY 25 FT)	STA	HRS/ STA	CREW	HOURS
SEE TOPOGRAPHY	0.00	0.50	1	0.0

DRIVEWAY PROFILES	EACH	HRS/EA	CREW	HOURS
	13.00	0.15	1	2.0

TREE SURVEY (MEASURE DIAMETER)	EACH	HRS/EA	CREW	HOURS
	50.00	0.05	1	2.5

STORM SEWER SURVEY (STRUCTURE INFO)	STR	HRS/STR	CREW	HOURS
	52.00	0.25	2	26.0

Location: Finley Rd
(22nd Street to North of Brook Drive
(South End of SB LT Lane Taper)

Project: Finley Road
Reconstruction/Rehabilitation
Village of Lombard

Survey Hours Estimate

UTILITY STRUCTURE SURVEY (STRUCTURE INFO)	STR	HRS/STR	CREW	HOURS
DOES NOT INCLUDE HANDHOLES	20.00	0.25	2	10.0
SUPPLEMENTAL SURVEY	DAYS	HRS/DAY	CREW	HOURS
	2.00	9.00	1	18.0
FIELD NOTE REDUCTION		DAYS	HRS/DAY	HOURS
		15.00	1	15.0
PROCESS FIELD DATA INTO BASE DRAWING				HOURS
				16.0
GENERATE BASE DRAWING				HOURS
				24.0
DELIVERABLES (SURVEY DRAWINGS AND DATA)				HOURS
				16.0
TOTAL ESTIMATED SURVEY HOURS				**231.0**
QAQC				HOURS
				3.0
PROJECT MANAGEMENT/ADMINISTRATION				HOURS
				14.0
TOTAL ESTIMATED PROJECT HOURS				**248.0**

Location: Finley Rd
(22nd Street to North of Brook Drive
(South End of SB LT Lane Taper)

Project: Finley Road
Reconstruction/Rehabilitation
Village of Lombard

Survey Direct Costs Estimate

ITEM DESCRIPTION						DIRECT COST
Printing						
0	full size plot vellum	0	sets X	$9.00	per sheet =	$0.00
0	full size copies	0	sets X	$1.50	per sheet =	$0.00
0	1/4 size copies	0	sets X	$0.18	per sheet =	$0.00
0	Misc Copies	0	sets X	$0.10	per sheet =	$0.00
Premium Overtime		% hours	Total Hr	Prem Hrs	Pre Rate	
EI/Technicians		0%	0	-		$0.00
Misc Expenses						
CADD Charges		0	hours @	$15.00	per hour =	$0.00
Overnight Delivery		0	pks X	$30.00	per pks =	$0.00
Survey						
Visits/Field Check (Vehicle Days)		15	days @	$90.00	per day =	$1,350.00
Misc. Survey Supplies						$0.00
Subdivision Plats (Est)		0	plats X	$50.00	per plat =	$0.00
Title Reports		0	rpts @	$325.00	per rpt =	$0.00
Sidwell Maps		0	docs @	$13.00	per doc =	$0.00
Misc Documents		0	docs @	$2.00	per doc =	$0.00
Recording Fees Parcel Plats		0	docs @	$25.00	per doc =	$0.00
Parking (Recorders Office)		0	visits X	$25.00	per visit =	$0.00
Tolls						$0.00
					Total =	**$1,350.00**