

**V3 Companies**  
**Naperville Road (CH 23): Naperville-Wheaton Road/Ridgeland Avenue to Diehl**  
**Road (Widening, Resurfacing and Signal Improvements)**  
**Section 16-00195-06-CH**  
**Supplement Request #2 - Scope of Services**  
**February 5, 2025**

**PART A – PREVIOUSLY COMPLETED SUPPLEMENTAL SCOPE ITEMS**

The services detailed in Part A of the document represent the additional work effort required to complete various out of scope items subsequent to Supplement #1 approval.

**A.1 Supplemental Utility Coordination Efforts**

Overall utility coordination efforts exceeded the level of effort detailed in the original scope of work. This has included multiple on-site meetings with individual utility companies to assess extent of impacts and plans for relocation, frequent direct coordination with each utility company, and facilitation of coordination efforts among the utility companies when the same contractor was retained to perform relocation work. V3 also organized and attended a joint status meeting with impacted utility companies at the County's offices.

**Total Hours for this Item: 32 hours**

**A.2 Plan Updates due to Land Acquisition Process**

V3 updated the Plat of Highways to eliminate Parcel 006 (temporary easement from the office complex property on Diehl Road) and Parcel 003 (right of way corner take from restaurant property at the southwest corner of Lincoln Road intersection) in order to facilitate the land acquisition process. V3 also added decorative fencing to the plans along the portion of the church property fronting Naperville Road.

**Total Hours for this Item: 8 hours**

**PART B – NEW SUPPLEMENTAL SCOPE ITEMS TO BE COMPLETED**

The services detailed in Part B of this document represent the additional tasks that have been requested by DuPage County DOT to take the project through the end of the Phase III support and coordination phase. In general, these additional tasks are based on the following:

- Design changes that were requested upon the County's review of the December 2023 100% PS&E submittal (and as discussed with V3 at the May 23, 2024 plan review meeting).
- Modifications to the proposed roadway geometrics to enhance operations based on most up to date traffic information (as conceptualized by the County and presented and discussed with V3 on October 23, 2024).

- Additional tasks associated with the extension of the project schedule from the previously anticipated August 2023 contract advertisement (as captured in Supplement Request #1 - approved on July 18, 2023) to a new contract advertisement date (yet to be determined). This includes submittals to the County and City for review and comment and production of all resulting dispositions and revisions. This also includes an update to the special waste/CCDD assessment.

No updates to the approved stormwater permit submittal are anticipated. Additionally, the fee-in-lieu charge for not meeting the County's Post Construction Best Management Practices requirements has already been paid to DuPage County Stormwater Management.

Following are additional details with regard to the first two bullet points highlighted above:

***Scope change items based on County's review of December 2023 100% PS&E submittal:***

- Revisions to the currently proposed Maintenance of Traffic (MOT) scheme to avoid establishing concurrent work zones on either side of Naperville Road. This will result in one additional MOT stage, bringing the total to three major stages.
- Traffic signal layout and plan updates to provide one signal head per lane (at center of lane) per County direction. Plans also required to be updated to reflect current County preferences regarding ADA ramp layouts that will impact Accessible Pedestrian Signal (APS) locations.
- Suggested revisions to ADA ramp designs based on realigning walk paths to be located further from back of curb.

***Modifications to Proposed Roadway Geometrics to Better Accommodate Current Traffic Patterns:***

Diehl Road Intersection - South Leg

- Inside northbound through lane to be converted to a second left-turn lane.
- Large barrier island at the southwest corner will be eliminated and the corner radius reduced accordingly. Proposed retaining wall will be re-designed based on the revised configuration.
- The barrier median width will be increased from four to six feet wide to accommodate the new dual-left turn lane scenario. This will be accomplished utilizing 11-foot-wide turn lanes and six-inch-wide gutter.
- Proposed outside pavement edges and B-6.24 curb and gutter to be maintained.

Diehl Road Intersection - North Leg

- Inside northbound through lane to be striped out to receive two through lanes. The resulting wider median will then immediately taper down (via a 40:1 taper) to simultaneously shift traffic and develop a shadowed right-turn lane (for the I-88 ramp) via striping out the third (inner-most) northbound through lane.
- Southbound right-turn lane to be converted to a shared through/right turn lane.
- Proposed outside pavement edges and B-6.24 curb and gutter to be maintained.
- Pedestrian crossing will be removed and the PACE bus stop pad shifted to the south leg.

#### Diehl Road Intersection - West Leg

- Proposed second left turn lane to be converted to a shared through/left-turn lane.
- The “free flow” right turn movement will be eliminated and a dual-right turn lane scenario created by converting the second through lane to a right-turn lane.
- Approximately 950’ of Diehl Road will be resurfaced/restriped west of the currently proposed reconstruction limit to match into the City’s recently completed resurfacing project.
- Proposed outside pavement edges and B-6.12 curb and gutter to be maintained.

#### Diehl Road Intersection - East Leg

- Geometrics will be evaluated and revised as necessary to accommodate the other modifications proposed at this intersection.
- Potential realignment to better match west leg

#### Lincoln Road Intersection - South Leg

- Stripe out inside through lane to be a striped median, thereby further “burying” the left-turn lane onto Lincoln Road
- Proposed outside pavement edges and B-6.24 curb and gutter to be maintained.

#### Lincoln Road Intersection - North Leg

- See “Diehl Road Intersection – South Leg” above for details

#### Naperville-Wheaton Road/Ridgeland Avenue Intersection - South Leg

- Stripe out inside through lane to be a striped median, thereby further “burying” the left-turn lane onto Naperville-Wheaton Road. Striping will follow along the length of the roadway taper currently proposed to introduce the third northbound through lane.
- Proposed outside pavement edges and B-6.24 curb and gutter to be maintained.

#### *Naperville-Wheaton Road/Ridgeland Avenue Intersection - North Leg*

- Inside northbound through lane to be striped out to receive two through lanes.
- Proposed outside pavement edges and B-6.24 curb and gutter to be maintained.

### **PART B TASK SUMMARY**

#### **B.1 Roadway Geometrics Concept Development**

V3 will review and evaluate the conceptual geometric revisions presented by the County at the October 24, 2024 meeting. The geometrics will be fully vetted to ensure that current IDOT and County design standards are met and that design vehicle turning movements are accommodated. Roadway and striping linework will be developed in CAD and plan exhibits prepared to detail the proposed revisions accordingly. A brief technical memorandum will be prepared to present the refined geometrics and discuss potential impacts to utilities, right of way, ADA accessibility, and any other design elements. The concept plan will then be refined accordingly based on County input, and upon approval, V3 will incorporate the revisions into the construction documents accordingly.

**Total Hours for this Item: 40 hours**

## **B.2 MOT Concept Plan Development**

V3 will develop a revised MOT concept staging plan which addresses the County's concerns with the current plan which proposes simultaneous work zones on either side of Naperville Road during Stage 1. V3 will provide typical sections and plan exhibits detailing the revised MOT concept for County review and comment. The concept plan will then be refined accordingly based on County input. Upon approval of the concept plan, V3 will incorporate the revisions into the MOT plans accordingly.

**Total Hours for this Item: 32 hours**

## **B.3 Special Waste Assessment**

Since the original Special Waste Assessment was conducted nearly four years ago (thus significantly limiting the County's ability to get demolition items accepted at a local CCDD facility), V3 will conduct a new CCDD Soil Disposal Evaluation in accordance with IL Title 35 Part 1150 Subtitle J: Clean Construction or Demolition Debris. CCDD facilities and Uncontaminated Soil Fill Operations are privately owned and maintain the right to accept or reject materials on any criteria decided on by the facility. Consequently, adherence to IL Title 35 Part 1150 Subtitle J does not guarantee acceptance at every CCDD facility. This proposed scope of work is consistent with IL Title 35 Part 1150 Subtitle J and industry standards.

The CCDD Soil Disposal Evaluation will be conducted to screen and characterize potentially excavated soils generated from proposed construction activities that cannot be reused or managed onsite. The CCDD Soil Disposal Evaluation will include the following tasks:

### **B.3.1 Screening for Potentially Impacted Properties (PIPs)**

The original sampling approach was based on a Preliminary Environmental Site Assessment (PESA) conducted by Huff & Huff in 2017. Land use adjacent to the project area has changed and the findings of the original PESA are no longer accurate. Consequently, the proposed project area must be rescreened for adjacent properties that are identified as PIPs. The PIP screening process includes the following:

- Review reasonably ascertainable regulatory information published by federal, state, local, tribal, health, and/or environmental agencies pertaining to properties adjacent to the Site.
- Review historical data sources for properties adjacent to the Site, including aerial photographs, topographic maps, fire insurance maps, city directories, and other readily available data.
- Determine if there are Potentially Impacted Property (PIP) adjacent to the project area.
- Develop a soil sampling plan based on the estimated excavation depths of proposed construction activities and the historic use of the adjoining properties in the project area.

**Total Hours for this Sub-Task: 38 hours**

### **B.3.2 Drilling and Sample Collection**

Based on the updated sampling plan V3 will conduct the field sampling. Field sampling activities include the following tasks:

- V3 will subcontract an environmental driller to conduct soil borings for sample collection.

- Drillers and V3 field sampling staff will mobilize for the sample collection effort. The proposed boring locations will be marked out in the field by V3 field staff prior to the drillers obtaining utility clearance through the JULIE one call system. Mobilization also includes obtaining ROW permits for conducting borings in the ROW.
- Soil sampling collection will be conducted by a V3 geologist or environmental engineer.
- Sample analysis will be performed by an Illinois NELAP accredited laboratory.
- Considering the proposed design has not been finalized and soil sampling is dependent on the findings of the records review of adjacent site histories, the costs associated with the CCDD Soil Disposal Evaluation were based on the following assumptions and could be subject to change depending on the project design and if certain Sites are identified as a PIPs. Proposed costs are based on the following assumptions:
  - A maximum of 3 days of drilling.
  - Up to 18 borings for the project.
  - Up to 1 soil sample per boring.
  - Assumed sample analysis for one or more of the following:
    - VOCs
    - BTEX + MTBE
    - PNAs
    - PCBs
    - SVOCs
    - RCRA 8 Metals (Total and/or TCLP/SPLP)
    - Target Analyte List TAL Metals (Total and/or TCLP/SPLP)
    - pH
  - Assumes standard 5 to 7-day turn-around time for lab sample results (expedited turnaround time is available for an added surcharge).

Total Hours for this Sub-Task: 52 hours

### B.3.3 Reporting and CCDD Certification

The findings of the PIP screening, the proposed sampling plan, field sampling activities, and the lab analytical results will be detailed in the CCDD Soil Disposal Evaluation Report which will include:

- Brief project summary and propose excavation associated with the Site.
- The proposed sampling plan, the justification for sampling, and propose sample analysis.
- Summary of field activities and observations.
- Detected concentrations of contaminants of concern based on laboratory analysis.
- Comparison of detected concentrations of contaminants to the Maximum Allowable Concentrations (MACs) specified in 35 IAC Part 1100, Subpart F. to evaluate excavated soils for CCDD acceptance, and comparison to Tier 1 soil remediation objectives (ROs) specified in 35 Illinois Administrative Code (IAC), Part 742 Tiered Approach to Corrective Action Objectives (TACO) for industrial/commercial and, residential land use, and Construction Worker exposure routes to evaluate the ability of the soil to be reused as fill, or the need for construction worker notification.
- Figures depicting the limits of any soil management areas.
- LPC 663 form to certify soils qualifying for CCDD disposal will be included in the appendix of the CCDD Soil Disposal Evaluation.

- Depending on the sampling results and specifics of proposed soils export, there may be justification for additional soil sampling or soil management strategies to maximize CCDD disposal and provide cost savings.

Total Hours for this Sub-Task: 45 hours

**Total Hours for this Item: 135 hours**

#### **B.4 Updates to Plans, Specifications, and Cost Estimates**

Upon approval of the revised MOT scenario and geometric modifications, V3 will update the plans, specifications, and cost estimates accordingly. The County has requested that V3 make submittals at the 90% pre-final and 100% final milestones to the County and City for review and comment. Following is a summary of the additional work effort anticipated:

- Title Sheet – **No changes**
- Index of Drawings, Highway Standards, and General Notes – (3 sheets)(2 hours/sheet) = 6 hours
- Summary of Quantities – (14 sheets)(2.3 hours/sheet) = 32 hours
- Schedules of Quantities – (7 sheets)(4 hours/sheet) = 28 hours
- Existing Typical Sections – **No changes**
- Proposed Typical Sections – (3 sheets)(5 hours/sheet) = 15 hours
- Alignment and Ties – **No changes**
- Removal Plans – *add one sheet to capture extended resurfacing limits on Diehl Road* = 8 hours
- Plan and Profile – (11 sheets)(6 hours/sheet) + 1 new sheet to capture extended resurfacing limits on Diehl Road (8 hours) = 74 hours
- Retaining Wall Plan – (1 sheet)(16 hours/sheet) = 16 hours
- Maintenance of Traffic Notes – (2 sheets)(3 hours/sheet) = 6 hours
- Maintenance of Traffic Typical Sections – (3 sheets)(4 hours/sheet) + 1 new sheet to capture additional MOT stage (8 hours) = 20 hours
- Maintenance of Traffic Plans – **3<sup>rd</sup> MOT stage on Naperville Road added** – (19 existing sheets)(4 hours/sheet) + (8 new sheets)(5 hours/sheet) = 116 hours
- Erosion Control Plans - (7 sheets)(1 hour/sheet) = 7 hours
- Landscaping Plans - (7 sheets)(1 hour/sheet) = 7 hours
- Drainage and Utility Plan - (11 sheets)(2 hours/sheet) = 22 hours
- Diehl Road Intersection Grading Plan – (1 sheet)(24 hours/sheet) = 24 hours
- Naperville-Wheaton Road/Ridgeland Avenue Intersection Grading Plan **No changes**
- Driveway Grading Plans - **No changes**
- Sidewalk/ADA Ramp Grading Plans - (5 sheets)(13 hours/sheet) = 65 hours
- Pavement Marking Plans - (6 sheets)(5 hours/sheet) = 1 new sheet to capture extended resurfacing limits on Diehl Road (5 hours) = 35 hours
- Signing Plans - (6 sheets)(1 hour/sheet) = 6 hours
- IDOT District 1 Traffic Signal Standards - **No changes**
- Temporary Traffic Signal Plans – **3<sup>rd</sup> MOT stage added** – (11 existing sheets)(2 hours/sheet) + (2 new sheets)(8 hours/sheet) = 38 hours

- Temporary Interconnect Plan and Schematic – **No changes**
- Traffic Signal Modernization Plans at Naperville-Wheaton Road/Ridgeland Road – (4 sheets)/(4 hours/sheet) = 16 hours
- Traffic Signal Modernization Plans at Diehl Road – (4 sheets)/(12 hours/sheet) = 48 hours
- Proposed Interconnect Plan and Schematic – **No changes**
- Temporary Lighting and Removal Plans – **No changes**
- Proposed Lighting Plans – **No changes**
- Standard County/City/IDOT Details – 4 hours
- Cross Sections – 32 hours
- Special Provision/Specifications – 24 hours
- Cost Estimate – 12 hours

Additional quantity calculation efforts are included in the hours noted above.

**Total Hours for this Item: 661 hours**

#### **B.5 Additional Utility Coordination Efforts**

Additional utility coordination efforts will be required to coordinate plan revisions with both public and private utilities. This will include:

- Preparation of letters and exhibits to re-initiate utility coordination efforts
- Review and identify potential utility conflicts against the revised proposed improvements
- Coordinate utility relocations required to accommodate the proposed improvements
- Review utility plans for relocation
- Field meetings for utility relocations

**Total Hours for this Item: 24 hours**

#### **B.6 Additional Project Administration/Management Efforts**

Additional hours for project administration and management are requested due to the extension of the project schedule from the previously anticipated August 2023 contract advertisement (as captured in Supplement Request #1) to a new contract advertisement date (yet to be determined). 26 hours during plan production and 14 hours during construction is requested to account for the additional costs associated with contract management, budgeting, invoicing, team meetings, internal coordination, subconsultant coordination, and billing reviews. Hours are summarized as follows:

- Remaining plan production through bidding phase = 26 hours
- During Phase III support and coordination phase = 14 hours

**Total Hours for this Item: 40 hours**

#### **B.7 Additional Meetings and Coordination**

Additional coordination efforts and meetings are anticipated with the following entities as noted below:

- DuPage County: (3 meetings)(2 hours/meeting) = 6 hours + 12 hours (emails, phone calls, etc) = 18 hours
- City of Naperville: (1 meeting)(2 hours/meeting) = 2 hours + 4 hours (emails, phone calls, etc) = 6 hours
- PACE = 2 hours
- Illinois Tollway = 2 hours

**Total Hours for this Item: 28 hours**

#### **B.8 Additional QA/QC Reviews**

Hours for QA/QC review efforts associated with all remaining milestone submittals are summarized as follows:

- Pre-final QA/QC reviews: 32 hours
- Final QA/QC review: 24 hours

**Total Hours for this Item: 56 hours**

**Total Additional V3 Manhours Requested for Supplement #2 = 1056 hours**