



Agreement Type  
Supplement

LOCAL PUBLIC AGENCY

Local Public Agency		County	Section Number	Job Number
County of McHenry		McHenry	06-00329-01-PW	D-91-212-14
Project Number	Contact Name	Phone Number	Email	
PW2V(306)	Darrell Kuntz	(815) 334-4969	dwkuntz@McHenryCountyIL.gov	

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Randall Road		3.5 miles	
Location Termini			
County Line Road to Ackman Road			
Project Description			
Contract 2 is the North Contract for the corridor consisting of roadway reconstruction, additional lanes, retaining walls, proposed bridges to replace existing culverts, sidewalk and bike path construction, traffic signal modernization, interconnect and lighting from Polaris Drive/Acorn Lane to Ackman Road.			
Engineering/Right-of-Way Services Funding	<input checked="" type="checkbox"/> Local County		
Anticipated Construction Funding	<input checked="" type="checkbox"/> Federal <input type="checkbox"/> MFT/TBP <input type="checkbox"/> State <input checked="" type="checkbox"/> Other Federal and County		

AGREEMENT FOR

Phase I - Preliminary Eng  Phase II - Design Eng  Phase III - Construction Eng  Right-of-Way Services

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email	
TranSystems Corporation	Jesse Vuorenmaa	(847) 407-5352	jvuorenmaa@transystems.com	
Address	City	State	Zip Code	
1475 E. Woodfield Road, Suite 600	Schaumburg	IL	60173	

THIS AGREEMENT is made between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above roadway section. Local funding allotted to the LPA will be used entirely to finance ENGINEERING SERVICES (as defined in Exhibit A) for the PROJECT (as defined in the above Project Description).

Since the services contemplated under THIS AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into THIS AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Resident Construction Supervisor Authorized representative of the LPA in immediate charge of the engineering details of the construction of the PROJECT.  
 In Responsible Charge Contractor A full time LPA employee authorized to administer inherently governmental PROJECT activities, Company or Companies to which the construction contract was awarded.

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof THIS AGREEMENT:

- EXHIBIT A: Scope of Services
- EXHIBIT B: Project Schedule
- EXHIBIT C: Qualification Based Selection (QBS) Checklist
- EXHIBIT D: Cost Estimate of Consultant Services (CECS) Worksheets (BLR 05513 or BLR 05514)
- EXHIBIT E: Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**I. THE ENGINEER AGREES,**

1. To perform or be responsible for the performance of the Scope of Services presented in Exhibit A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA:
  - (a) For Preliminary and/or Design Engineering: The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in THIS AGREEMENT or any subsequent Amendment or Supplement.
  - (b) For Construction Engineering: The ENGINEER shall submit invoices, based on the ENGINEER's progress reports, to the LPA employee In Responsible Charge, no more than once a month for partial payment on account for the ENGINEER's work to date. Such invoices shall represent the value, to the LPA of the partially completed work, based on the sum of the actual costs incurred, plus a percentage (equal to the percentage of the construction engineering completed) of the fixed fee for the fully completed work.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of THIS AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the ENGINEER to carry out these requirements is a material breach of THIS AGREEMENT, which may result in the termination of THIS AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall not be construed to relieve the ENGINEER of any responsibility for the fulfillment of THIS AGREEMENT.
9. For Preliminary Engineering Contracts:
  - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA, as defined in Exhibit A (Scope of Services).
  - (b) That all plans and other documents furnished by the ENGINEER pursuant to THIS AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the State Department of Transportation, hereinafter called the "DEPARTMENT".
  - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. For Construction Engineering Contracts:
  - (a) For Quality Assurance services, provide personnel who have completed the appropriate DEPARTMENT's Bureau of Materials QC/QA trained technical classes.
  - (b) For all projects where testing is required, the ENGINEER shall obtain samples according to the DEPARTMENT's Bureau of Materials "Manual of Test Procedures for Materials," submit DEPARTMENT's Bureau of Materials inspection reports; and verify compliance with contract specifications.
11. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with THIS AGREEMENT (See DIRECT COSTS tab in BLR 05513 or BLR 05514).

## II. THE LPA AGREES,

1. To certify by execution of THIS AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications and project information.
3. For Construction Engineering Contracts:
  - (a) To furnish a full time LPA employee to be In Responsible Charge authorized to administer inherently governmental PROJECT activities.
  - (b) To prepare and approve forms BC 775 and BC 776 as necessary.
4. To pay the ENGINEER:
  - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
  - (b) Final Payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA, a sum of money equal to the basic fee as determined in THIS AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
  - (c) For Non-Federal County Projects - (605 ILCS 5/5-409)
    - (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
    - (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA (and STATE as required), a sum of money equal to the basic fee as determined in THIS AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
5. To pay the ENGINEER as compensation for all services rendered in accordance with THIS AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation

Percent

Lump Sum

Specific Rate

Cost plus Fixed Fee:      Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,  
DC is the total Direct Cost,  
OH is the firm's overhead rate applied to their DL and  
FF is the Fixed Fee.

Where FF = ( 0.33 + R ) DL + %SubDL, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

**Field Office Overhead Rates:** Field rates must be used for construction engineering projects expected to exceed one year in duration or if the construction engineering contract exceeds \$1,000,000 for any project duration.
6. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in THIS AGREEMENT. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of THIS AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the LPA may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

## III. IT IS MUTUALLY AGREED,

1. No work shall be commenced by the ENGINEER prior to issuance by the LPA of a written Notice to Proceed.
2. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the LPA or its

authorized representative, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the LPA for the recovery of any funds paid by the LPA under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

3. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy. The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
4. THIS AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials become the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of THIS AGREEMENT up to the date of the written notice of termination.
5. The LPA may suspend work on the project. If THIS AGREEMENT is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of THIS AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
6. THIS AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under THIS AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
7. The ENGINEER and LPA certify that their respective firm or agency:
  - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure THIS AGREEMENT,
  - (b) has not agreed, as an express or implied condition for obtaining THIS AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out THIS AGREEMENT or
  - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out THIS AGREEMENT.
  - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
  - (e) has not within a three-year period preceding THIS AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
  - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (e) and
  - (g) has not within a three-year period preceding THIS AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.
8. Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to THIS AGREEMENT.
9. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of THIS AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, as defined in Exhibit B, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

10. The LPA elects to enforce the certification and requirements of the Drug Free Workplace Act (30 ILCS 580) in THIS AGREEMENT, as modified herein. No grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the LPA unless that grantee or contractor will provide a drug free workplace.

False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract or grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the LPA for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or those entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the LPA.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
  - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
  - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
  - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
    - (a) abide by the terms of the statement; and
    - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
  - (1) The dangers of drug abuse in the workplace;
  - (2) The grantee's or contractor's policy to maintain a drug free workplace;
  - (3) Any available drug counseling, rehabilitation and employee assistance program; and
  - (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting or granting agency within ten (10) days after receiving notice under part (b) paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER and the LPA agree to meet the PROJECT SCHEDULE. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

11. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).
12. For Preliminary Engineering Contracts:
- (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with THIS AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with THIS AGREEMENT shall be made available upon request to the LPA without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
  - (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the DEPARTMENT's current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the LPA, it being understood that all such furnished documents shall be approved by the LPA before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

For Construction Engineering Contracts:

- (a) That all services are to be furnished as required by construction progress and as determined by the LPA employee In Responsible Charge. The ENGINEER shall complete all services herein within a time considered reasonable to the LPA, after the CONTRACTOR has completed the construction contract.
- (b) That all field notes, test records and reports shall be turned over to and become the property of the LPA and that during the performance of the engineering services herein provide for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

- (c) That any differences between the ENGINEER and the LPA concerning the interpretation of the provisions of THIS AGREEMENT shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LPA, and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
- (d) That in the event that engineering and inspection services to be furnished and performed by the ENGINEER (including personnel furnished by the ENGINEER's subconsultants) shall, in the opinion of the LPA be incompetent or inadequate, the LPA shall have the right to supplement the engineering and inspection force, or to replace the engineers or inspectors employed on such work, at the expense of the ENGINEER. This may be done through services of LPA staff or require the procurement of supplemental engineering services.
- (e) Inspection of all materials, when inspection is not provided by the LPA's selected material inspection consultant, shall have inspection reports submitted to the LPA in accordance with the DEPARTMENT's Central Bureau of Materials "Project Procedures Guide" and the policies of the STATE.

**AGREEMENT SUMMARY**

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
TranSystems Corporation	43-0839725	\$921,488.00

Subconsultants	TIN/FEIN/SS Number	Agreement Amount
BLA, Inc.	36-4263432	\$228,320.00
Huff & Huff, Inc.	36-3044842	\$380,203.00
Credits for work no longer needed (reflected in subconsultant total)		(\$54,396.00)
	<b>Subconsultant Total</b>	\$554,127.00
	<b>Prime Consultant Total</b>	\$921,488.00
	<b>Total for all work</b>	\$1,475,615.00

**AGREEMENT SIGNATURES**

Executed by the LPA:

Attest: The  of

By (Signature & Date)

By (Signature & Date)

(SEAL)

Executed by the ENGINEER:

Prime Consultant (Firm) Name

Attest:

By (Signature & Date)  
 Digitally signed by Matthew Smith  
Date: 2024.05.23 10:34:03 -05'00'

By (Signature & Date)  
 Digitally signed by Jesse  
Vuorenmaa  
Date: 2024.05.23 10:24:58 -05'00'

Title

Title

Local Public Agency

Prime Consultant (Firm) Name

County

Section Number

County of McHenry

TranSystems Corporation

McHenry

06-00329-01-PW

**EXHIBIT A  
SCOPE OF SERVICES**

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below:

See attached.



Local Public Agency

Prime Consultant (Firm) Name

County

Section Number

County of McHenry

TranSystems Corporation

McHenry

06-00329-01-PW

**EXHIBIT B  
PROJECT SCHEDULE**

Anticipated August 2024 or April 2025 Letting

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
County of McHenry	TranSystems Corporation	McHenry	06-00329-01-PW

**EXHIBIT C  
Qualification Based Selection (QBS) Checklist**

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

Form Not Applicable (engineering services less than the threshold)

**Items 1-13 are required when using federal funds and QBS process is applicable. Items 14-16 are required when using State funds and the QBS process is applicable.**

		No	Yes
1	Do the written QBS policies and procedures discuss the initial administration (procurement, management and administration) concerning engineering and design related consultant services?	<input type="checkbox"/>	<input type="checkbox"/>
2	Do the written QBS policies and procedures follow the requirements as outlined in Section 5-5 and specifically Section 5-5.06 (e) of the BLRS Manual?	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the scope of services for this project clearly defined?	<input type="checkbox"/>	<input type="checkbox"/>
4	Was public notice given for this project?	<input type="checkbox"/>	<input type="checkbox"/>
5	Do the written QBS policies and procedures cover conflicts of interest?	<input type="checkbox"/>	<input type="checkbox"/>
6	Do the written QBS policies and procedures use covered methods of verification for suspension and debarment?	<input type="checkbox"/>	<input type="checkbox"/>
7	Do the written QBS policies and procedures discuss the methods of evaluation?	<input type="checkbox"/>	<input type="checkbox"/>
	Project Criteria		
	Weighting		
	+		
	-		
8	Do the written QBS policies and procedures discuss the method of selection?	<input type="checkbox"/>	<input type="checkbox"/>
Selection committee (titles) for this project			
Top three consultants ranked for this project in order			
1			
2			
3			
9	Was an estimated cost of engineering for this project developed in-house prior to contract negotiation?	<input type="checkbox"/>	<input type="checkbox"/>
10	Were negotiations for this project performed in accordance with federal requirements.	<input type="checkbox"/>	<input type="checkbox"/>
11	Were acceptable costs for this project verified?	<input type="checkbox"/>	<input type="checkbox"/>
12	Do the written QBS policies and procedures cover review and approving for payment, before forwarding the request for reimbursement to IDOT for further review and approval?	<input type="checkbox"/>	<input type="checkbox"/>
13	Do the written QBS policies and procedures cover ongoing and finalizing administration of the project (monitoring, evaluation, closing-out a contract, records retention, responsibility, remedies to violations or breaches to a contract, and resolution of disputes)?	<input type="checkbox"/>	<input type="checkbox"/>
14	QBS according to State requirements used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Existing relationship used in lieu of QBS process?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	LPA is a home rule community (Exempt from QBS).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## MEMORANDUM

[www.transystems.com](http://www.transystems.com)**To:**

Darrell Kuntz, PE  
Assistant County Engineer  
Samantha Dittrich, PE  
Design Engineer IV  
McHenry County Division of Transportation (MCDOT)

**From:**

Jesse Vuorenmaa, PE, ENV SP  
Bill Lancaster, PE

**Date:**

May 23, 2024

**Subject:**

Randall Road – Polaris Drive to Acorn Lane  
Contract 2  
Supplement #3 Summary

**Summary of Supplemental Work**

As part of the scope of design engineering services for Contract 2, which is the segment of Randall Road from Polaris Drive/Acorn Lane to Ackman Road, additional work has been or will be required for the five categories identified below:

- 1) Environmental Studies and Phase I Re-Evaluation:
  - a. Coordination and documentation efforts to obtain approval of the Phase I Re-Evaluation document by IDOT.

To remain eligible for federal funding, IDOT policies now require projects to be re-evaluated if they have not started construction within 5 years of Phase I Design Approval. Phase I Design Approval for the project was given in December 2013, which exceeds this timeframe. While the previous supplement included scope tasks to prepare the Phase I Re-Evaluation document, additional effort was required to obtain approval. This included preparation of additional exhibits and other meeting material for the May 2023 Public Information Meeting, supplemental field work and analysis for the updated 2050 Traffic Noise Model (TNM) along the east side of Randall Road south of Miller Road and the west side of Randall Road from Village Road to Alexandra Boulevard, and preparation of the 4(f) De Minimis concurrence packets for impacts to Ken Carpenter Park (Village of Lake in the Hills) and the Winding Creek Bike Path (Crystal Lake Park District).

- b. Coordination, permitting, and plan development related to the potential existence of the endangered Hine's emerald dragonfly (HED) along the east side of Randall Road adjacent to the McHenry County Conservation District (MCCD)-managed Lake in the Hills FEN Conservation Area as well as the rusty patched bumble bee (RPBB) within the same location and also in the area along the east side of Randall Road adjacent to the Land Conservancy of McHenry County-owned Acorn Lane Conservation Area immediately south of Woods Creek.

The appearance of the two endangered species (HED and RPBB) created the need for additional coordination with multiple agencies which included the Illinois Department of Transportation (IDOT), Illinois Department of Natural Resources (IDNR), and US Fish and Wildlife Service (USFWS) to secure the permit approvals necessary to construct the project. Additional meetings, exhibits, and updates to the plans were required to advance the project to a letting.

- 2) Evaluation of previous design decisions and coordination with MCDOT to further minimize wetland impacts, land acquisition revisions and addressing MCDOT staff concerns regarding future maintenance.

TranSystems worked closely with MCDOT staff to implement design revisions that will improve future maintenance of the Randall Road corridor while also reducing costs related to the proposed improvements. Additional effort was required to implement these changes which included revisions to grading along the wetland areas near the Lake in the Hills Fen Preserve, evaluation of alternatives to enhance the connectivity with the Winding Creek Bike Path (a 4(f) property owned by the Crystal Lake Park District), evaluation of the grading along both the existing and proposed Woods Creek Tributary, improvements to the roadway profile along Randall Road between Woods Creek and Miller Road, modifying the geometry at the future signalized intersection at Alexandra Boulevard, reducing land acquisition along the north side of Miller Road, and incorporating additional temporary drainage elements to reduce the cost and time associated with complete removal of the dual cell box culvert at the Randall Road and Miller Road intersection. These changes occurred after Pre-Final (95%) plans, specifications, and estimates (PS&Es) were submitted to both MCDOT and IDOT. Each of these revisions required updates to multiple engineering disciplines (civil, staging, drainage, and structural) and to the contract documents (plans, quantities, estimates, and special provisions).

- 3) Coordination with the U.S. Army Corps of Engineers (USACOE), Illinois Environmental Protection Agency (IEPA) and Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) related to wetland impacts and revisions to Woods Creek and Woods Creek Tributary to obtain permit approvals.

TranSystems and their subconsultants have continued to work closely with the USACOE, IEPA, and IDNR-OWR to secure the Individual Section 404 permit (USACOE), Section 401 Water Quality Certification (IEPA), and Floodway Construction Permit (IDNR-OWR) required for construction. Due to the complexity of relocating Woods Creek Tributary and investigating various measures to minimize wetland mitigation requirements for impacts to Site 7 (located in the northwest corner of Randall Road at Miller Road), the hydraulic analysis, identification and evaluation of impacts and mitigation measures, and the extent of documentation necessary for the permitting approval process required additional effort. This coordination has resulted in hydraulic modeling updates, plan revisions, preparation of an Alternative Analysis Memorandum, permit submittal updates, and additional exhibits.

- 4) Plans, Specifications and Estimates:  
 The collective effort to incorporate the required design changes into the plans, specifications, and estimates. Portions of this effort needed to be done multiple times as the project was posted for bidding and then removed due to regulatory agencies and permitting.
- 5) Project Coordination:
  - a. Additional anticipated Phase III construction support including shop drawing reviews/approvals, conducting the required 5-year maintenance and monitoring program, and closing out permits.

Additional support is anticipated during construction to review and approve shop drawings for the bridges, retaining walls, and ground improvements to be constructed as part of this contract. TranSystems and their subconsultants have included additional effort to maintain and monitor the proposed vegetation along the relocated Woods Creek Tributary and adjacent wetland areas as well as manage and mitigate potential impacts to threatened and endangered species. They have also included effort to assist MCDOT with closing out the required permits.

- b. Coordination with the City of Crystal Lake, Village of Lake in the Hills, and Lake in the Hills Sanitary District to incorporate utility relocations and specific design requests such as landscaping into the contract documents.

While the original scope included coordination with the local municipalities and governing agencies, the actual effort and tasks exceeded the original scope. This involved providing additional support to the municipalities/agencies in the form of identifying utility relocation alternatives, developing landscape plans and details, conducting utility relocation plan reviews, evaluating alternatives to identify the preferred location of a new traffic signal along Randall Road at either Village Road, Angela Lane, or Alexandra Boulevard, identifying pay items and conducting quantity take-offs for the associated pay items, and including the necessary special provisions. Monthly meetings with the City of Crystal Lake, Village of Lake in the Hills, and Lake in the Hills Sanitary District were required to ensure conflicts were resolved, plans/special provisions/pay items/quantities were incorporated, and agreements were secured.

This additional work will be completed by TranSystems and two of their subconsultants, BLA, Inc. (BLA) and Huff and Huff, Inc. (H&H). The total fee for the additional work is **\$1,530,011** for which a summary is as follows:

- TranSystems – \$921,488
- BLA – \$228,320
- H&H – \$380,203

The Engineering Services Agreement, which includes a Workhour Summary and Cost Estimate of Consultant Services (CECS) Worksheets, provides a detailed breakdown of the effort and cost by individual task.

#### **Summary of Credits**

TranSystems has identified scope items that are no longer necessary and could be used as credits.

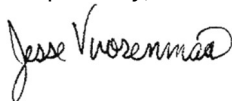
- There is a balance of **\$40,383** remaining in overhead and direct costs that will not be billed. This dollar amount converts into approximately **267 hours** that will be credited towards the supplement.
- There is a balance of **\$14,013** remaining in QC/QA that will not be billed. This dollar amount converts into approximately **93 hours** that will be credited towards the supplement.

Total Credits: 360 Hours which equates to **\$54,396**.

After deducting the total credits from the additional work amount of \$1,530,011, the total requested fee for Supplement #3 is \$1,475,615.

At this time, we politely request that MCDOT approve the scope of work and fee included with this supplement.

Respectfully,



Jesse Vuorenmaa, PE, ENV SP  
Project Manager  
TranSystems

Route	CR V29 – Randall Road [County Line Road to Ackman Road (CH A46)]
Local Public Agency	McHenry County Division of Transportation
Section	06-00329-01-PW
Job No.	D-91-212-14
Proj. No.	PW2V (306)
Type of Funding	MFT

**RANDALL ROAD  
COUNTY LINE ROAD TO ACKMAN ROAD  
SUPPLEMENT #3**

**McHENRY COUNTY DIVISION OF TRANSPORTATION**

**MAY 23, 2024**

**SCOPE OF SERVICES**

The McHenry County Division of Transportation (hereafter referred to as the Local Public Agency (“LPA”)) has requested changes to the current scope of services for a project requiring professional engineering services by TranSystems Corporation (hereafter referred to as the “ENGINEER”) to complete design engineering for the improvements along Randall Road from County Line Road to Ackman Road.

**UNDERSTANDING OF THE PROJECT**

**Existing Facility:** Randall Road is primarily a five-lane roadway within the corridor except for the segment from County Line Road to Harnish Drive which is an eight-lane roadway. The corridor is a mixture of a rural, open cross section with shoulders and ditches and an urban cross section with curb and gutter and storm sewer.

There are a total of thirteen (13) intersections along the corridor, including both County Line Road and Ackman Road at the termini. Of the thirteen (13) intersections, seven (7) are signalized (County Line Road, Harnish Drive, Bunker Hill Drive/Huntington Drive, Algonquin Road, Polaris Drive/Acorn Lane, Miller Road and Ackman Road) and the remaining six (6) are stop-controlled along the minor side street (Commerce Drive, Becky Lynn Lane, Stonegate Road, Village Road, Angela Lane, and Alexandra Boulevard). All intersections are full access except for Commerce Drive, Becky Lynn Lane, and Angela Lane which are right in/right out. There are multiple commercial entrances along the corridor as well, all of which are right in/right except for the entrance to Costco Wholesale which also allows a left in.

Left turn lanes currently exist along Randall Road at all the intersections listed above that are not right in/right out. Right turn lanes are currently present at all intersections except Bunker Hill Drive/Huntington Drive (NB), Algonquin Road (SB), and Miller Road.

The roadway profile is classified as rolling terrain. There are two waterway crossings within the project limits. The Woods Creek crossing is located north of Polaris Drive/Acorn Lane while the Woods Creek Tributary crossing is located at Miller Road.

**Roadway Functional Class.** The functional class of Randall Road is an Other Principal Arterial with a 2019 AADT ranging from approximately 37,000 vehicles at County Line Road and Ackman Road to 39,700 vehicles at Algonquin Road. (Source of AADT is the McHenry County Division of Transportation traffic map)

**Roadway Improvements.** To address the existing deficiencies along Randall Road which include severe congestion, safety and accident concerns, inconsistent access, and lack of pedestrian and bicycle access, anticipated improvements to the roadway include providing three (3) through lanes in each direction, dual left turn lanes, and an exclusive right turn lane at the major signalized

intersections. Other improvements include drainage, compensatory storage, and detention, traffic signals, lighting, multi-use paths, bike/pedestrian underpass, sidewalks, stream relocation, bridges, ground improvements, culvert extensions, retaining walls, and noise walls. The Randall Road and Algonquin Road intersection will be widened and reconstructed to accommodate future traffic and commercial access. A traffic signal is proposed at the intersection of Randall Road and Alexandra Boulevard. The geometric design criteria for suburban/urban arterials in Chapter 32 of the IDOT Bureau of Local Roads Manual will be applied for this Scope of Services.

**Scope of Supplemental Services Summary.** The supplemental Scope of Services for design engineering involves additional work for Contract 2 which is the segment of Randall Road from Polaris Drive/Acorn Lane to Ackman Road. The additional work is necessary for six main reasons: 1) environmental coordination with the resource agencies related to the Hines Emerald Dragonfly (HED) and Rusty Patch Bumble Bee (RPBB), 2) coordination with the United States Army Corps of Engineers (USACE), Illinois Environmental Protection Agency (IEPA), and Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) for impacts to Waters of the U.S. (WOUS), wetlands, and floodways and to obtain their associated permits, 3) additional support anticipated during construction, 4) coordination and documentation efforts to obtain approval of the Phase I Re-Evaluation document by the Illinois Department of Transportation (IDOT), 5) coordination with the municipalities and agencies regarding their utility relocations and design requests, and 6) evaluation of previous design decision to further minimize wetland impacts, MCDOT Design and Maintenance Department staff maintenance concerns, and land acquisition costs.

The appearance of two endangered species (HED and RPBB) created the need for additional coordination with multiple agencies which included the IDOT, IDNR, and US Fish and Wildlife Service (USFWS) to secure the permit approvals necessary to construct the project. The **Engineer** and their subconsultants attended additional meetings, prepared exhibits and other supporting documentation, and made multiple updates to the plans based on direction from the agencies.

The **Engineer** and their subconsultants have continued to work closely with the USACE, IEPA, and IDNR-OWR to secure the Individual Section 404 permit (USACOE), Section 401 Water Quality Certification (IEPA), and Floodway Construction Permit (IDNR-OWR) required for construction. Due to the complexity of relocating Woods Creek Tributary and request from the USACE to investigate measures to minimize wetland mitigation requirements for impacts to Site 7 (located in the northwest corner of Randall Road at Miller Road), the hydraulic analysis, identification and evaluation of impacts and mitigation measures, and the extent of documentation necessary for the permitting approval process required additional effort. This coordination has resulted in hydraulic modeling updates, plan revisions, preparation of an Alternative Analysis Memorandum, permit submittal updates, and additional exhibits.

Based on the improvements to be constructed in this contract, the **LPA** anticipates the **Engineer** and their subconsultants to expend more effort providing support during construction than what occurred during Contract 1. The additional support is to review and approve shop drawings for the bridges, retaining walls, and ground improvements, maintain and monitor the proposed vegetation along the relocated Woods Creek Tributary and adjacent wetland areas as well as manage and mitigate potential impacts to threatened and endangered species, and to assist the **LPA** with closing out the required permits.

To remain eligible for federal funding, IDOT policies now require projects to be re-evaluated if they have had not begun construction within 5 years of Phase I Design Approval. Phase I Design Approval for the project was given in December 2013 which exceeds this timeframe. While the previous supplement included scope tasks to prepare the Phase I Re-Evaluation document, the **Engineer** expended additional effort to obtain approval. This included preparation of additional exhibits and other meeting material for the May 2023 Public Information Meeting, supplemental field work and analysis for the updated 2050 Traffic Noise Model (TNM) along the east side of Randall Road south of Miller Road and the west side of Randall Road from Village Road to Alexandra Boulevard, and

preparation of the 4(f) De Minimis concurrence packets for impacts to Ken Carpenter Park (Village of Lake in the Hills) and the Winding Creek Bike Path (Crystal Lake Park District).

While the original scope included coordination with the local municipalities and governing agencies, the actual effort and tasks exceeded the original scope. The **Engineer** and their subconsultants provided additional support to the municipalities/agencies in the form of identifying utility relocation alternatives, developing landscape plans and details, conducting utility relocation plan reviews, evaluating alternatives to identify the preferred location of a new traffic signal along Randall Road at either Village Road, Angela Lane, or Alexandra Boulevard, identifying pay items and conducting quantity take-offs for the associated pay items, and including the necessary special provisions. The **LPA, Engineer**, and their subconsultants attended monthly meetings with the City of Crystal Lake, Village of Lake in the Hills, and Lake in the Hills Sanitary District to ensure conflicts were resolved, plans/special provisions/pay items/quantities were incorporated, and agreements were secured.

The **Engineer** and their subconsultants worked closely with the **LPA** to implement design revisions that will improve future maintenance of the Randall Road corridor while also reducing construction costs. Additional effort was required to implement these changes which included revisions to grading along the wetland areas near the Lake in the Hills Fen Preserve, evaluation of alternatives to enhance the connectivity with the Winding Creek Bike Path (a 4(f) property owned by the Crystal Lake Park District), evaluation of the grading along both the existing and proposed Woods Creek Tributary, improvements to the roadway profile along Randall Road between Woods Creek and Miller Road, modifying the geometry at the future signalized intersection at Alexandra Boulevard, reducing land acquisition along the north side of Miller Road, and incorporating additional temporary drainage elements to reduce the cost and time associated with complete removal of the dual cell box culvert at the Randall Road and Miller Road intersection. These changes occurred after Pre-Final (95%) plans, specifications, and estimates (PS&Es) were submitted to both the **LPA** and IDOT, requiring updates to multiple engineering disciplines (civil, staging, drainage, and structural) and to the contract documents (plans, quantities, estimates, and special provisions).

Included in this scope are preliminary design/geometric revisions, structural studies, environmental studies and permitting, Phase I re-evaluation, plans/specifications/estimates, Phase III support, project coordination, and project management/administration activities that are beyond the current scope of services.

### **TASK 1 –DESIGN/GEOMETRIC REVISIONS**

The following items were or will be completed based on direction provided by the **LPA**, IDOT, USACE, Village of Lake in the Hills, or other agencies that re-evaluated previous decisions to enhance design of the Woods Creek Tributary relocation, simplify future maintenance activities, and reduce impacts and construction cost. Bollinger Lach and Associates (BLA) served as a sub-consultant to the **ENGINEER** to assist in the completion of these services.

- Revise the Randall Road profile applied at the profile grade lines (PGLs) south of Miller Road to reduce the number of low points and identify the impacts.
- Develop the typical section and geometry for a 3-span slab bridge alternative for the Randall Road over Woods Creek Bridge.
- Evaluate the lane configuration and pavement markings at Village Road based on the decision to convert the intersection from full access to right-in/right-out.
- Reduce the length of the retaining wall (Wall 3) along the north side of Miller Road east of Randall Road and the proposed right-of-way for the property in the northwest corner of the Miller Road at Washington Avenue intersection.
- Evaluate the grading along the retaining wall (Wall 2) on the east side of Randall Road per feedback provided by the MCDOT Maintenance Department.



- Revise the proposed drainage design and grading on east side of Randall Road behind the retaining wall (Wall 2) to address drainage concerns from MCDOT design staff.
- Revise the grading and typical section of the proposed Woods Creek Tributary channel to provide 2-stage channel flow and maximize the shelf width to address concerns from the USACE.
- Update the hydrologic modeling, hydraulic/compensatory storage calculations, permits, and drainage design for revisions to the proposed Woods Creek Tributary channel and reduction of wetland impacts.
- Evaluate the proposed grading along the east side of Randall Road adjacent to the Lake in the Hills Fen Preserve to reduce wetland impacts.
- Develop proposed contours for the following areas: 1) relocated Woods Creek Tributary, 2) east side of Randall Road from Woods Creek to Miller Road, 3) Miller Road, and 4) east side of Randall Road adjacent to Lake in the Hills Fen Preserve.
- Evaluate the use of temporary culverts at the Randall Road at Woods Creek crossing to eliminate the need to temporarily extend the dual box culvert at the intersection of Randall Road at Miller Road.
- Evaluate the staging along the east leg of Miller Road to maintain WB traffic based on concerns from the Village of Lake in the Hills regarding the ability of police to respond to calls.
- Revise the pavement joints along the side streets based on the preferred location of the PCC/HMA joint interface to simplify future resurfacing of the side streets.
- Review and compile information on the gutter flag and turn lane cross slopes to minimize/validate the number of required drainage structures.
- Update the sidewalk/bike path/ADA layout at each of the intersections based on direction from IDOT to comply with the Public Rights-of-Way Access Guidelines (PROWAG) and other geometric revisions.
- Update the sidewalk/bike path/ADA layout on the east leg of the Randall Road at Ackman Road intersection based on the revised right-of-way and for compliance with PROWAG.
- Prepare a traffic memorandum, including an Intersection Design Study and Synchro Analysis, for the pedestrian/bicycle improvements at the Randall Road and Ackman Road intersection.

## **TASK 2 – STRUCTURAL STUDIES**

The following items have been completed based on geometric and profiles revisions to the bridges and retaining walls.

- Revise the Type Size and Location Plan, Bridge or Wall Type Study, and Form 10210 that were previously prepared for the following structures:
  - Randall Road over Woods Creek Bridge
  - Miller Road over Woods Creek Tributary Bridge
  - Retaining wall (Wall 1) along Randall Road south of the Woods Creek Bridge
  - Retaining wall (Wall 2) along Randall Road north of the Woods Creek Bridge
  - Retaining wall (Wall 3) along north side of Miller Road north of Randall Road
- Coordinate with the IDOT Bureau of Bridges and Structures (BBS) to expedite reviews and address comments.
- Prepare and submit updated Scour Critical Evaluation (SCE) calculations based on the revised design per request from IDOT BBS.
- Prepare and submit Abbreviated Bridge Condition Reports (ABCR) per request from IDOT.

**TASK 3 – ENVIRONMENTAL STUDIES AND PERMITTING**

The following items were and are necessary to complete the environmental studies and permitting requirements for the project. The following permits are required: Section 404 Permit (USACE), Section 401 Water Quality Certification (IEPA), McHenry County Stormwater Permit (McHenry County Planning and Development (P&D)), and Floodway Construction Permit (IDNR-OWR). BLA and Huff and Huff, Inc. (H&H) have and will serve as a sub-consultant to the **ENGINEER** to complete these services.

- Evaluate the Section 4(f) Impacts to Winding Creek Bike Path. This included evaluating the offset from the back of curb for the path along Miller Road and the connection to the existing path, preparing cross sections to determine the right-of-way requirements and impacts, and preparing exhibits which showed each alternative and its right-of-way requirements and impacts.
- Update the previous wetland delineations based on coordination with IDOT and USACE.
- Revise the wetland report, including wetland impact exhibits, based on the updated wetland delineations.
- Update the Preliminary Site Investigation (PSI) Report for the additional borings taken within the stormwater detention ponds in the northwest corners of the Randall Road at Miller Road and Randall Road at Alexandra Boulevard intersections.
- Update the Clean Construction or Demolition Debris (CCDD) Management Forms based on the updated PSI Report.
- Update the biological clearances including preparation of the IDOT Bridge Bat Assessment Form for the existing multi-cell box culverts under Randall Road.
- Conduct additional coordination with IDOT for the ESR addendum, including preparing additional exhibits as requested.
- Conduct additional coordination with USACE to obtain approval of the revised tributary grading, including attending virtual meetings and preparing exhibits and other meeting material.
- Conduct additional coordination with USACE regarding impacts to Wetland Site 7 in the northwest corner of the Randall Road at Miller Road intersection, including attending virtual meetings and preparing exhibits and other meeting material.
- Conduct additional coordination with IDOT and USFWS regarding impacts to the HED and RPBB, including attending virtual meetings and preparing exhibits and other meeting material.
- Conduct additional coordination with the **LPA**, USACE, and mitigation banks regarding wetland permitting requirements and credit mitigation.
- Prepare a hydraulic memorandum, including a map with the 100-year floodway/floodplain boundaries, to document the existing and proposed flood elevations for Woods Creek and Woods Creek Tributary based on two conditions: 1) published FEMA flows (Bulletin 70 rainfall data) and 2) updated flows based on Bulletin 75 rainfall data, relocation of Woods Creek Tributary, and compensatory storage provided by the Village of Lake in the Hills and MCDOT.
- Provide additional supporting documentation and coordination for the IDNR-OWR Floodway Construction and McHenry County P&D Stormwater Permits based on comments received, including conducting conference calls and virtual meetings.
- Prepare a LOMR/CLOMR for revisions to the Woods Creek and Woods Creek Tributary floodways and floodplains. The need to prepare the LOMR/CLOMR will be coordinated with the **LPA**, Village of Lake in the Hills, IDNR-OWR, and FEMA prior to beginning this work.
- Prepare the Draft Biological Assessment (BA) for the HED and RPBB. This includes developing the SELDM water quality model and preparing the Incidental Take Authorization (ITA). The need to prepare the Draft BA will be coordinated with the **LPA**, USFWS, and IDOT prior to beginning this work.
- Conduct coordination with IDOT, Federal Highway Administration (FHWA), USFWS, IDNR, USACE, MCDOT, and MCCD regarding the Draft BA, including conducting conference calls,

attending virtual meetings and field meetings, and preparing exhibits, meeting material, and minutes.

#### **TASK 4 – PHASE I RE-EVALUATION**

The following items were completed to conclude re-evaluation of the Phase I Design Approval which documented changes to the project that were incorporated after Design Approval was granted in December 2013.

- Prepare 4(f) De Minimis concurrence packets for impacts to Ken Carpenter Park and Winding Creek Bike Path for inclusion in the Phase I Re-Evaluation Document.
- Conduct additional coordination with IDOT, Crystal Lake, Crystal Lake Park District, and Village of Lake in the Hills regarding the Section 4(f) impacts.
- Prepare additional documents for the Public Information Meeting (PIM) which included a project brochure, proposed improvement plan, proposed roadway detours, and typical sections.
- Prepare invite letters and the PIM notice. This included mailing the letters and publishing the notice.
- Conduct additional analysis and field work for the updated Traffic Noise Model (TNM) on the east side of Randall Road south of Miller Road and the west side of Randall Road from Village Road to Alexandra Boulevard.
- Conduct additional coordination with IDOT, address comments, and resubmit the Phase 1 Re-Evaluation Document for formal concurrence.

#### **TASK 5 – PLANS/SPECIFICATIONS/ESTIMATES**

The following items were or will be completed to revise the prefinal plans which were submitted to the **LPA** in April 2023 and the final plans which were submitted to the **LPA** in October 2023. BLA has and will serve as a sub-consultant to the **ENGINEER** to complete these services.

- Revise the Pre-Final plans (plan & profile, retaining walls, and cross sections) and quantities to incorporate the updated Randall Road profile applied at the profile grade lines (PGLs) south of Miller Road.
- Revise the Pre-Final plans (plan & profile, landscaping, and cross sections) and quantities to incorporate the preferred geometry for the northbound left turn lane at Alexandra Boulevard.
- Revise the Pre-Final (typical section, plan & profile, landscaping, retaining wall (Wall 3), and cross sections) and quantities to incorporate the reduced ROW and retaining wall length along the north side of Miller Road east of Randall Road.
- Revise the Pre-Final plans (typical section, retaining wall (Wall 2), and cross sections) and quantities to incorporate the grading adjustments along the retaining wall on the east side of Randall Road per feedback provided by the MCDOT Maintenance Department.
- Revise the Pre-Final plans (typical section, drainage and utility plan & profile, retaining wall (Wall 2), and cross sections) and quantities for the updated storm sewer layout and drainage structure adjustments based on changes to the cross slope of the gutter flag and turn lanes.
- Revise the Final plans (typical section, drainage and utility plan & profile, retaining wall (Wall 2), and cross sections) and quantities to incorporate the revised drainage design and grading behind the retaining wall along the east side of Randall Road per MCDOT design staff concerns.
- Revise the Final plans (typical section, drainage and utility plan & profile, landscaping, retaining wall (Wall 2), and cross sections) and quantities to provide 2-stage channel flow and maximize the shelf width for the relocated Woods Creek Tributary per direction and comments from the USACE.

- Revise the Pre-Final plans (typical section and cross sections) and quantities to incorporate the grading adjustments along the east side of Randall Road adjacent to Lake in the Hills Fen Preserve to reduce wetland impacts.
- Revise the Pre-final plans (staging) for the installation of temporary culverts at the Randall Road at Woods Creek crossing to eliminate the need to temporarily extend the dual cell box culvert at the Randall Road at Miller Road intersection for the Woods Creek Tributary crossing.
- Revise the Pre-final plans (staging) to keep WB traffic open on the east leg of Miller Road based on comments from the Village of Lake in the Hills.
- Revise the Final Plans (jointing) based on the geometric revisions along Randall Road and the preferred location of the PCC/HMA joint interface on the side streets.
- Revise the Pre-final plans (plan & profile, landscaping, ADA, and cross sections) and quantities for the updated layout at intersections and transitions in offset from the back of curb.
- Revise the Preliminary plans (typical sections, landscaping, and cross sections) and quantities and prepare planting details for the landscaping requested by the City of Crystal Lake.
- Revise the Pre-final plans (typical section and cross sections) and quantities to incorporate extending the aggregate subgrade beyond the proposed back of curb.
- Revise the Pre-final plans (removal) and quantities to revise the tree removal to stump removal due to IDOT's tree removal policy restrictions for the Northern Long Eared Bat (NLEB).
- Revised the Final plans (typical section, plan & profile, landscaping, lighting, and cross sections) and quantities based on the sidewalk revision north of Village Road.
- Revise the Pre-final plans (retaining wall (Wall 2), Woods Creek Tributary Bridge, and cross sections) and quantities to accommodate the Lake in the Hills Sanitary District's existing and relocated sanitary sewer and the Village of Lake in the Hills' water main crossings at the Randall Road at Miller Road intersection.
- Revise the Final plans (landscaping and cross sections) for revisions to the stormwater detention pond due to comments from the USACE.
- Revise the anticipated construction schedule based on the letting moving incrementally from November 2023 to April 2024.
- Revise the Pre-final plans (staging) due to the letting changes and revised start of construction dates.
- Revised the Final plans (ADA) for compliance with PROWAG.
- Revised the traffic signal layout at the Randall Road at Miller Road intersection per MCDOT design staff direction including preparing the structural detail for the signal foundation.
- Revise Final plans (lighting) north of Alexandra Boulevard and along the side streets based on coordination with MCDOT design staff.
- Prepare a lighting memo with photometric calculations based on comments from IDOT Bureau of Local Roads and Streets (BLRS).
- Re-evaluate the unit costs due to recent market inflation as lettings changed.
- Revise the Final plans (typical section, plan & profile, staging, drainage and utility plan & profile, landscaping, and cross sections) and quantities based on USFWS guidance and direction regarding the HED and anticipated construction start date.
- Revise the Final PS&E submittal to incorporate changes to highway standards/details, specifications, and pay items for the future letting date.
- Prepare additional PS&E submittals to IDOT BLRS including disposition of comments from IDOT BLRS and MCDOT.

**TASK 6 – PHASE III SUPPORT**

The following items will be completed to support the **LPA** and the Resident Engineer during construction. BLA and H&H have and will serve as a sub-consultant to the **ENGINEER** to complete these services.

- Conduct shop drawing reviews for two bridges, four retaining walls, and the timber pile ground improvements.
- Provide additional support and coordination during construction, including answering questions, providing clarifications, and/or making plan revisions.
- Conduct the required 5-yr Maintenance and Monitoring Program for the Section 404 Permit.
- Conduct the stream survey for the Section 404 Permit.
- Provide the necessary permit closeout support to MCDOT.

**TASK 7 – PROJECT COORDINATION**

The following items were completed to conduct coordination with the City of Crystal Lake, Village of Lake in the Hills, and Lake in the Hills Sanitary District to incorporate utility relocations and specific design requests such as landscaping into the contract documents.

- Conduct regular virtual meetings and coordinate the sanitary sewer relocation and adjustments with MCDOT and Lake in the Hills Sanitary District.
- Conduct regular virtual meetings and coordinate the water main relocation, IGA, 4(f) impacts and other Village related items with MCDOT and Lake in the Hills.
- Conduct regular virtual meetings and coordinate the water main abandonment, traffic signal location, IGA, landscaping, and other City related items with MCDOT and Crystal Lake.
- Coordinate with emergency responders and school district transportation staff regarding construction and the staging schedule, which included preparing exhibits and providing additional information to assist route planning during construction.
- Conduct regular virtual and as-needed design coordination meetings with MCDOT to keep the project on schedule.

**TASK 8 – PROJECT ADMINISTRATION/MANAGEMENT**

It is anticipated that the project duration will be extended an additional 18 months (November 2023 to April 2025) to complete preparation of contract documents (plans, specifications, and estimates).

**CREDITS**

The following items are included in the current scope of services but were tasks that were determined no longer necessary based on discussions between the **LPA** and **Engineer**. The hours for each of these tasks will be provided as a credit to MCDOT. These hours will be converted to a dollar amount by using the average hourly rate of TranSystems' Cost Estimate of Consultant Services (CECS) for Supplement #3 along with TranSystems current multiplier for the project prior to the application of any credits. The difference between the total amount shown on TranSystems' CECS and the total credits will be the dollar amount requested for Supplement #3.

- Consultant overhead and direct costs
- QC/QA

**Randall Road (CH V29)**  
**County Line Road to Ackman Road**  
**Workhour Summary**  
**Supplement #3**

Task and Description	Total Workhours	TS	GZA	BLA
<b>Task 1 - Design/Geometric Revisions</b>				
Modify profile (Randall Road PGLs) south of Miller Road to reduce number of low points and identify impacts (2 iterations @ 24 hrs/iteration)	48	48		
Develop typical section and geometry for 3-span slab bridge alternative for Randall Road Bridge over Woods Creek	32	32		
Evaluate lane configuration and pavement marking at Village Road (2 iterations @ 8 hrs/iteration)	16	16		
Revise geometry for NB left turn lane at Alexandra Boulevard (2 iterations @ 8 hrs/iteration)	16	16		
Reduce length of retaining wall (Wall 3) and proposed right-of-way along north side of Miller Road east of Randall Road				
Evaluate retaining wall offset and geometry (2 iterations @ 8 hrs/iteration)	16	16		
Update cross sections, determine ROW, and identify impacts (2 iterations @ 24 hrs/iteration)	48	48		
Prepare proposed contours (2 iterations @ 8 hrs/iteration)	16	16		
Prepare exhibits showing ROW and impacts (4 sheets @ 4 hrs/sheet)	16	16		
Evaluate grading along retaining wall on east side of Randall Road per MCDOT Maintenance Department feedback (2 iterations @ 40 hrs/iteration)	80	80		
Revise drainage and grading on east side of Randall Road to address drainage concerns of MCDOT staff (2 iterations @ 40 hrs/iteration)	122	80		42
Revise grading of proposed Woods Creek Tributary to provide 2-stage channel flow and maximize shelf to address concerns from USACE (4 iterations @ 36 hours/iteration)	164	144		20
Update hydrologic modeling, hydraulic/compensatory storage calculations, permits, and design for revisions to Woods Creek Tributary and wetland impacts	236	48		188
Evaluate grading along east side of Randall Road adjacent to Lake in the Hills Fen Preserve to reduce wetland impacts (2 iterations @ 12 hrs/iteration)	24	24		
Develop proposed contours for the following areas: 1) relocated Woods Creek Tributary, 2) east side of Randall Road from Woods Creek to Miller Road, 3) Miller Road, and 4) east side of Randall Road adjacent to Lake in the Hills Fen Preserve (2 iterations @ 4 locations @ 16 hrs/location)	128	128		
Evaluate temporary culverts at Woods Creek crossing to eliminate need to extend dual box culvert for Woods Creek Tributary crossing	24	24		
Evaluate staging on east leg of Miller Road to maintain WB traffic	16	16		
Revise pavement joints along side streets based on preferred location of PCC/HMA joint interface (4 locations @ 2 hrs/location)	8	8		
Review and compile information for gutter flag and turn lane cross slopes to minimize/validate number of required drainage structures	64	24		40
Update sidewalk/bike path/ADA layout at intersections for compliance with PROWAG and geometric revisions (14 locations @ 2 hrs/location)	28	28		
Update sidewalk/bike path/ADA layout on the east leg of the Randall Road at Ackman Road intersection based on revised right-of-way and for compliance with PROWAG	24	24		
Prepare traffic memorandum, including an IDS and Synchro Analysis, for the pedestrian/bicycle improvements at the Randall Road and Ackman Road intersection	80	80		
<b>Subtotal:</b>	<b>1,206</b>	<b>916</b>	-	<b>290</b>
<b>Task 2 - Structural Studies</b>				
Revise Type Size and Location Plan, Bridge/Wall Type Study and Form 10210 for the following structures based on additional geometric and profile revisions:				
Randall Road over Woods Creek Bridge	48	48		
Miller Road over Woods Creek Tributary Bridge	40	40		
Retaining wall along Randall Road south of Woods Creek Bridge (Wall 1)	40	40		
Retaining wall along Randall Road north of Woods Creek Bridge (Wall 2)	60	60		
Retaining wall along north side of Miller Road east of Randall Road (Wall 3)	32	32		
Coordinate with IDOT BBS to expedite reviews and address comments	16	16		
Prepare and submit updated SCE calculations based on revised design per IDOT BBS request	48	48		
Prepare and submit ABCRs per IDOT request (2 reports @ 40 hrs/report)	80	80		
<b>Subtotal:</b>	<b>364</b>	<b>364</b>	-	-

**Randall Road (CH V29)**  
**County Line Road to Ackman Road**  
**Workhour Summary**  
**Supplement #3**

Task and Description	Total Workhours	TS	GZA	BLA
<b>Task 3 - Environmental Studies &amp; Permitting</b>				
Evaluate Section 4(f) Impacts to Winding Creek Bike Path				
Evaluate bike path offset and geometry (2 iterations @ 8 hrs/iteration)	16	16		
Update cross sections, determine ROW, and identify impacts (2 iterations @ 12 hrs/iteration)	24	24		
Prepare exhibits showing ROW and impacts (2 sheets @ 12 hrs/sheet)	24	24		
Update wetland delineations	8		8	
Revise wetland report including wetland impact exhibits	89	60		29
Update Preliminary Site Investigation (PSI) Report for additional borings	18	4		14
Update CCDD Management Forms	13	4		9
Update biological clearances including preparation of Bat Assessment Forms	32	16		16
Conduct additional coordination with IDOT for ESR addendum (includes preparation of additional exhibits)	34	28		6
Conduct additional coordination with USACE for approval of revised tributary grading (includes virtual meetings and preparation of exhibits and meeting material)	200	140		60
Conduct additional coordination with USACE regarding impacts to Wetland Site 7 (includes virtual meetings and preparation of exhibits and meeting material)	140	100		40
Conduct additional coordination with IDOT/USFWS regarding the RPBB and HED (includes virtual meetings and preparation of exhibits and meeting material)	84	60		24
Conduct additional coordination regarding wetland permitting requirements and credit mitigation	56	24		32
Prepare hydraulic memorandum, including map with 100-year floodway/floodplain boundaries, documenting the existing and proposed flood elevations for Woods Creek and Woods Creek Tributary based on two conditions: 1) published FEMA flows (Bulletin 70 rainfall data) and 2) updated flows based on Bulletin 75 rainfall data, relocation of Woods Creek Tributary, and compensatory storage provided by the Village of Lake in the Hills and MCDOT	120			120
Provide additional supporting documentation and coordination for IDNR Floodway Construction and McHenry County P&D Stormwater Permits based on comments received (includes conference calls and virtual meetings)	264	24		240
Prepare LOMR/CLOMR for revisions to the Woods Creek and Woods Creek Tributary floodways and floodplains.	208	16		192
Prepare Draft Biological Assessment for HED and RPBB. This includes developing the SELDM water quality model and preparing the Incidental Take Authorization (ITA)	716	64	652	
Conduct coordination with IDOT/FHWA/USFWS/IDNR/USACE/MCDOT/MCCD regarding the Draft Biological Assessment (includes conference calls, virtual meetings, field meetings, and preparation of exhibits, meeting material, and minutes)	396	64	332	
<b>Subtotal:</b>	<b>2,442</b>	<b>668</b>	<b>1,222</b>	<b>552</b>
<b>Task 4 - Phase I Re-Evaluation</b>				
Prepare 4(f) De Minimis packets for Ken Carpenter Park and Winding Creek Bike Path for inclusion in Phase I Re-Evaluation Document (2 packets @ 40 hrs/packet)	80	80		
Conduct additional coordination with IDOT, Crystal Lake, Crystal Lake Park District, and Village of Lake in the Hills regarding Section 4(f) impacts	36	36		
Prepare additional documents for PIM				
Project Brochure	20	20		
Proposed Improvement Plan (5 sheets @ 12 hrs/sheet)	60	60		
Proposed Roadway Detours (3 sheets @ 8 hrs/sheet)	24	24		
Typical Sections (3 sheets @ 4 hrs/sheet)	12	12		
Prepare invite letters and PIM notice	36	36		
Conduct additional analysis and field work for updated Traffic Noise Model (TNM) on east side of Randall Road south of Miller Road and west side of Randall Road from Village Road to Alexandra Boulevard	40	40		
Conduct additional coordination with IDOT, address comments and resubmit Phase 1 Re-Evaluation Document for formal concurrence	24	24		
<b>Subtotal:</b>	<b>332</b>	<b>332</b>	-	-

**Randall Road (CH V29)**  
**County Line Road to Ackman Road**  
**Workhour Summary**  
**Supplement #3**

Task and Description	Total Workhours	TS	GZA	BLA
<b>Task 5 - Plans/Specifications/Estimates</b>				
Revise Pre-Final plans (plan & profile, retaining walls, and cross sections) and quantities to incorporate updated profile (Randall Road PGLs) south of Miller Road	80	80		
Revise Pre-Final plans (plan & profile, landscaping, and cross sections) and quantities to incorporate preferred geometry for northbound left turn lane at Alexandra Boulevard	24	24		
Revise Pre-Final plans (typical section, plan & profile, landscaping, retaining wall (Wall 3), and cross sections) and quantities to incorporate reduced ROW and retaining wall length along north side of Miller Road east of Randall Road	60	60		
Revise Pre-Final plans (typical section, retaining wall (Wall 2), and cross sections) and quantities to incorporate grading adjustments along east side of Randall Road per MCDOT Maintenance Department feedback (2 iterations @ 48 hrs/iteration)	96	96		
Revise Pre-Final plans (typical section, drainage and utility plan & profile, retaining wall (Wall 2), and cross sections) and quantities for updated storm sewer layout and drainage structure adjustments due to gutter and turn lane cross slopes	70	48		22
Revise Final plans (typical section, drainage and utility plan & profile, retaining wall (Wall 2), and cross sections) and quantities to incorporate storm sewer and grading adjustments along east side of Randall Road per MCDOT staff concerns	226	160		66
Revise Final plans (typical section, drainage and utility plan & profile, landscaping, retaining wall (Wall 2), and cross sections) and quantities to provide 2-stage channel flow for Woods Creek Tributary per USACE comments (2 iterations at 80 hours/iteration)	182	160		22
Revise Pre-Final plans (typical section and cross sections) and quantities to incorporate grading adjustments along east side of Randall Road adjacent to Lake in the Hills Fen Preserve to reduce wetland impacts	20	20		
Revise Pre-final plans (staging) for temporary culverts at Woods Creek crossing to eliminate need for culvert extension at Woods Creek Tributary crossing	20	20		
Revise the Pre-final plans (staging) to keep WB traffic open on east leg of Miller Road (3 sheets @ 12 hours/sht)	36	36		
Revise the Final Plans (jointing) for geometric revisions along Randall Road and PCC/HMA interface on side streets	72	16		56
Revise Pre-final plans (plan & profile, landscaping, ADA, and cross sections) and quantities for updated layout at intersections and transitions in offset from back of curb	80	80		
Revise Preliminary plans (typical sections, landscaping, and cross sections) and quantities and prepare planting details for landscaping requested by City of Crystal Lake	120	120		
Revise Pre-final plans (typical section and cross sections) and quantities to incorporate aggregate subgrade extension beyond the proposed back of curb	60	60		
Revise Pre-final plans (removal) and quantities to revise tree removal to stump removal due to IDOT tree removal policy restrictions	16	16		
Revise Final plans (typical section, plan & profile, landscaping, lighting, and cross sections) and quantities based on sidewalk revision north of Village Road	40	40		
Revise Pre-final plans (retaining wall (Wall 2), Woods Creek Tributary Bridge, and cross sections) and quantities to accommodate existing and relocated sanitary sewer and water main crossings at Miller Road	24	24		
Revise Final plans (landscaping and cross sections) for revisions to the stormwater detention pond due to USACE comments	48	48		
Revise construction schedule based on letting moving incrementally from November 2023 to April 2024	48	48		
Revise Pre-final plans (staging) due to letting changes and revised start of construction dates	32	32		
Revise Final plans (staging) to prevent construction activities in 2024 and accommodate environmental restrictions along Lake in the Hills Fen Preserve.	120	120		
Revise Final plans (ADA) for compliance with PROWAG	40	40		
Revise traffic signal layout at Miller Road intersection per MCDOT staff direction including structural detail for signal foundation	48	48		
Revise Final plans (lighting) north of Alexandra Boulevard and along side streets based on coordination with MCDOT staff	60	60		
Prepare lighting memo with photometric calculations per comment from IDOT BLRS	40	40		
Re-evaluate unit costs due to recent market inflation as lettings changed	60	60		
Revise plans to remove addendum bubbles and notes	52	40		12
Revise Final plans (typical section, plan & profile, staging, drainage and utility plan & profile, landscaping, and cross sections) and quantities based on USFWS guidance and direction regarding the HED and anticipated construction start date	448	100		348
Revise the Final PS&E submittal to incorporate changes to highway standards/details, specifications, and pay items for the future letting date (Assume 2 potential lettings)	120	80		40
Prepare additional PS&E submittals to IDOT BLRS including disposition of comments from IDOT BLRS and MCDOT (4 submittals @ 80 hrs/submittal)	390	320		70
<b>Subtotal:</b>	<b>2,732</b>	<b>2,096</b>	-	<b>636</b>



**Randall Road (CH V29)**  
**County Line Road to Ackman Road**  
**Workhour Summary**  
**Supplement #3**

Task and Description	Total Workhours	TS	GZA	BLA	
<b>Task 6 - Phase III Support</b>					
Conduct shop drawing reviews for 2 bridges, 4 retaining walls, and the timber pile ground improvements	160	160			
Provide additional Phase III support and coordination	120		40	80	
Conduct 5-yr Maintenance and Monitoring Program for Section 404 Permit	525		525		
Conduct stream survey for Section 404 Permit	208		208		
Provide permit closeout support	164	20		144	
<b>Subtotal:</b>	<b>1,177</b>	<b>180</b>	<b>773</b>	<b>224</b>	
<b>Task 7 - Project Coordination</b>					
Conduct regular virtual meetings and coordinate sanitary sewer relocation and adjustments with MCDOT and Lake in the Hills Sanitary District (12 months @ 4 hours/month)	48	48			
Conduct regular virtual meetings and coordinate water main relocation, IGA, 4(f) impacts and other Village related items with MCDOT and Lake in the Hills (12 months @ 4 hours/month)	48	48			
Conduct regular virtual meetings and coordinate water main abandonment, traffic signal location, IGA, landscaping and other City related items with MCDOT and Crystal Lake (12 months @ 4 hours/month)	48	48			
Coordinate with emergency responders and school district transportation staff regarding construction and staging schedule (includes preparing exhibits and providing additional information to assist route planning during construction)	72	72			
Conduct regular virtual and as-needed design coordination meetings with MCDOT to keep project on schedule (16 months @ 24 hours/month and 10 months @ 16 hrs/month)	544	544			
<b>Subtotal:</b>	<b>760</b>	<b>760</b>	-	-	
<b>Task 8 - Project Administration/Management</b>					
Extend project duration 18 months (18 months @ 6 hrs/month)	189	108	45	36	
Conduct additional QC/QA due to revisions listed above	240	160	46	34	
<b>Subtotal:</b>	<b>429</b>	<b>268</b>	<b>91</b>	<b>70</b>	
<b>Out of Scope Work Total:</b>		<b>9,442</b>	<b>5,584</b>	<b>2,086</b>	<b>1,772</b>
<b>Credits</b>					
Remaining Overhead and Direct Costs	267	267			
Remaining QC/QA Labor	93	93			
<b>Credits Total:</b>	<b>360</b>	<b>360</b>	-	-	
<b>Supplement Request Total:</b>		<b>9,082</b>	<b>5,224</b>	<b>2,086</b>	<b>1,772</b>



<b>Local Public Agency</b> McHenry Co. Div. of Transportation	<b>County</b> McHenry	<b>Section Number</b> 06-00329-01-PW
<b>Prime Consultant (Firm) Name</b> TranSystems Corporation	<b>Prepared By</b> William Lancaster	<b>Date</b> 5/20/2024
<b>Consultant / Subconsultant Name</b> TranSystems Corporation	<b>Job Number</b> D-91-214-23	

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

**Remarks**

Randall Road Phase II - Supplement #3

**PAYROLL ESCALATION TABLE**

<b>CONTRACT TERM</b>	18	MONTHS		<b>OVERHEAD RATE</b>	149.49%
<b>START DATE</b>	5/1/2024			<b>COMPLEXITY FACTOR</b>	
<b>RAISE DATE</b>	4/1/2025			<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	10/31/2025				

**ESCALATION PER YEAR**

Year	First Date	Last Date	Months	% of Contract
0	5/1/2024	4/1/2025	11	61.11%
1	4/2/2025	11/1/2025	7	39.67%

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The total escalation = 0.78%

<b>Local Public Agency</b>	<b>County</b>	<b>Section Number</b>
McHenry Co. Div. of Transportation	McHenry	06-00329-01-PW
<b>Consultant / Subconsultant Name</b>		<b>Job Number</b>
TranSystems Corporation		D-91-214-23

**PAYROLL RATES**

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

<b>MAXIMUM PAYROLL RATE</b>	<b>78.00</b>
<b>ESCALATION FACTOR</b>	<b>0.78%</b>

<b>CLASSIFICATION</b>	<b>IDOT PAYROLL RATES ON FILE</b>	<b>CALCULATED RATE</b>
Engineer 5 (E5)	\$78.00	\$78.00
Engineer 4 (E4)	\$78.00	\$78.00
Engineer 3 (E3)	\$72.96	\$73.53
Engineer 2 (E2)	\$52.00	\$52.40
Engineer 1 (E1)	\$40.00	\$40.31
Planner 5 (P5)	\$78.00	\$78.00
Planner 4 (P4)	\$72.55	\$73.11
Planner 3 (P3)	\$49.97	\$50.36
Planner 2 (P2)	\$54.87	\$55.30
Architect 4 (AR4)	\$74.80	\$75.38
Architect 3 (AR3)	\$57.38	\$57.83
Architect 2 (AR2)	\$46.52	\$46.88
Architect 1 (AR1)	\$35.86	\$36.14
Analyst 2 (AN2)	\$36.40	\$36.68
Environmental Scientist 4 (SC4)	\$78.00	\$78.00
Industry Specialist 4 (IS4)	\$78.00	\$78.00
Industry Specialist 3 (IS3)	\$66.82	\$67.34
Surveyor 4 (S4)	\$78.00	\$78.00
Construction Services 5 (CS5)	\$78.00	\$78.00
Construction Services 4 (CS4)	\$66.60	\$67.12
Construction Services 3 (CS3)	\$50.43	\$50.82
Construction Services 2 (CS2)	\$38.42	\$38.72
Construction Services 1 (CS1)	\$35.64	\$35.92
Technician 3 (T3)	\$44.02	\$44.36
Technician 1 (T1)	\$20.96	\$21.12
Administrative 3 (A3)	\$54.82	\$55.25
Administrative 2 (A2)	\$33.40	\$33.66



**Local Public Agency**  
McHenry Co. Div. of Transportation

**County**  
McHenry

**Section Number**  
06-00329-01-PW

**Consultant / Subconsultant Name**  
TranSystems Corporation

**Job Number**  
D-91-214-23

**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
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
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
Utiilty 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
				\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$0.00</b>



**Local Public Agency**

McHenry Co. Div. of Transportation

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

TranSystems Corporation

**Job Number**

D-91-214-23

**AVERAGE HOURLY PROJECT RATES**

**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Design Revisions			Structural Studies			Environmental Studies & Permitting			Phase I Re-Evaluation			Plans, Specifications and Estimates		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Engineer 5 (E5)	78.00	284.0	5.09%	3.97	24	2.62%	2.04	32	8.79%	6.86	48	7.19%	5.60	16	4.82%	3.76	48	2.29%	1.79
Engineer 4 (E4)	78.00	724.0	12.97%	10.11	100	10.92%	8.52	48	13.19%	10.29	100	14.97%	11.68	48	14.46%	11.28	280	13.36%	10.42
Engineer 3 (E3)	73.53	1,040.0	18.62%	13.69	132	14.41%	10.60	64	17.58%	12.93	120	17.96%	13.21	64	19.28%	14.17	348	16.60%	12.21
Engineer 2 (E2)	52.40	1,984.0	35.53%	18.62	400	43.67%	22.88	104	28.57%	14.97	200	29.94%	15.69	96	28.92%	15.15	820	39.12%	20.50
Engineer 1 (E1)	40.31	1,484.0	26.58%	10.71	260	28.38%	11.44	116	31.87%	12.85	200	29.94%	12.07	108	32.53%	13.11	600	28.63%	11.54
Planner 5 (P5)	78.00	0.0																	
Planner 4 (P4)	73.11	0.0																	
Planner 3 (P3)	50.36	0.0																	
Planner 2 (P2)	55.30	0.0																	
Architect 4 (AR4)	75.38	0.0																	
Architect 3 (AR3)	57.83	0.0																	
Architect 2 (AR2)	46.88	0.0																	
Architect 1 (AR1)	36.14	0.0																	
Analyst 2 (AN2)	36.68	0.0																	
Environmental Scientist 4 (S4)	78.00	0.0																	
Industry Specialist 4 (IS4)	78.00	0.0																	
Industry Specialist 3 (IS3)	67.34	0.0																	
Surveyor 4 (S4)	78.00	0.0																	
Construction Services 5 (CS5)	78.00	0.0																	
Construction Services 4 (CS4)	67.12	0.0																	
Construction Services 3 (CS3)	50.82	0.0																	
Construction Services 2 (CS2)	38.72	0.0																	
Construction Services 1 (CS1)	35.92	0.0																	
Technician 3 (T3)	44.36	0.0																	
Technician 1 (T1)	21.12	0.0																	
Administrative 3 (A3)	55.25	0.0																	
Administrative 2 (A2)	33.66	68.0	1.22%	0.41															
<b>TOTALS</b>		5584.0	100%	\$57.52	916.0	100.00%	\$55.48	364.0	100%	\$57.89	668.0	100%	\$58.25	332.0	100%	\$57.48	2096.0	100%	\$56.46

**Local Public Agency**

McHenry Co. Div. of Transportation

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

TranSystems Corporation

**Job Number**

D-91-214-23

**AVERAGE HOURLY PROJECT RATES**

**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Phase III Support			Project Coordination			Project Admin/Management											
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Engineer 5 (E5)	78.00	4	2.22%	1.73	80	10.53%	8.21	32	11.94%	9.31									
Engineer 4 (E4)	78.00	20	11.11%	8.67	80	10.53%	8.21	48	17.91%	13.97									
Engineer 3 (E3)	73.53	60	33.33%	24.51	164	21.58%	15.87	88	32.84%	24.14									
Engineer 2 (E2)	52.40	60	33.33%	17.47	240	31.58%	16.55	64	23.88%	12.51									
Engineer 1 (E1)	40.31	36	20.00%	8.06	164	21.58%	8.70												
Planner 5 (P5)	78.00																		
Planner 4 (P4)	73.11																		
Planner 3 (P3)	50.36																		
Planner 2 (P2)	55.30																		
Architect 4 (AR4)	75.38																		
Architect 3 (AR3)	57.83																		
Architect 2 (AR2)	46.88																		
Architect 1 (AR1)	36.14																		
Analyst 2 (AN2)	36.68																		
Environmental Scientist 4 (SC4)	78.00																		
Industry Specialist 4 (IS4)	78.00																		
Industry Specialist 3 (IS3)	67.34																		
Surveyor 4 (S4)	78.00																		
Construction Services 5 (CS5)	78.00																		
Construction Services 4 (CS4)	67.12																		
Construction Services 3 (CS3)	50.82																		
Construction Services 2 (CS2)	38.72																		
Construction Services 1 (CS1)	35.92																		
Technician 3 (T3)	44.36																		
Technician 1 (T1)	21.12																		
Administrative 3 (A3)	55.25																		
Administrative 2 (A2)	33.66				32	4.21%	1.42	36	13.43%	4.52									
<b>TOTALS</b>		180.0	100%	\$60.44	760.0	100%	\$58.95	268.0	100%	\$64.46	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00



**PAYROLL ESCALATION TABLE  
ANNIVERSARY RAISES**

FIRM NAME  
PRIME/SUPPLEMENT  
Prepared By

BLA, Inc.  
Supplement  
Jacob Thede

DATE 05/20/24  
PTB-ITEM # 0

CONTRACT TERM 18 MONTHS  
START DATE 5/1/2024  
RAISE DATE

OVERHEAD RATE 124.68%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

**DETERMINE THE MID POINT OF THE AGREEMENT**

**9**

**CACULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT**

**2.25%**

**The total escalation for this project would be:                    2.25%**

# PAYROLL RATES

FIRM NAME \_\_\_\_\_ DATE 05/20/24  
PRIME/SUPPLEMENT Supplement  
PTB-ITEM # 0

ESCALATION FACTOR **2.25%**

*Note: Rates should be capped on the AVG 1 tab as necessary*

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Project Manager	\$55.00	\$56.24
Project Engineer	\$45.00	\$46.01
Design Engineer	\$37.74	\$38.59
Senior Drainage Manager	\$62.00	\$63.40
Senior Drainage Engineer	\$52.00	\$53.17

# Subconsultants

FIRM NAME BLA, Inc.  
PRIME/SUPPLEMENT Supplement  
PTB-ITEM # 0

DATE 05/20/24

NAME	Direct Labor Total	Contribution to Prime Consultant
------	--------------------	----------------------------------



**Total** 0.00 0.00



## AVERAGE HOURLY PROJECT RATES

FIRM BLA, Inc.  
 PTB-ITEM# 0  
 PRIME/SUPPLEMENT Supplement

DATE 05/20/24

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Woods Creek Tributary			Storm Sewer Design			Drainage Calculations			Jointing Updates			General Updates for Extended		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Manager	56.24	320.0	18.06%	10.16	40	21.28%	11.97	24	18.18%	10.23	16	20.00%	11.25	8	14.29%	8.03	40	28.57%	16.07
Project Engineer	46.01	464.0	26.19%	12.05	24	12.77%	5.87	48	36.36%	16.73	24	30.00%	13.80	24	42.86%	19.72	60	42.86%	19.72
Design Engineer	38.59	508.0	28.67%	11.06	60	31.91%	12.32	60	45.45%	17.54	40	50.00%	19.29	24	42.86%	16.54	40	28.57%	11.03
Senior Drainage Manager	63.40	272.0	15.35%	9.73	40	21.28%	13.49												
Senior Drainage Engineer	53.17	208.0	11.74%	6.24	24	12.77%	6.79												
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<b>TOTALS</b>		1772.0	100%	\$49.24	188.0	100.00%	\$50.43	132.0	100%	\$44.50	80.0	100%	\$44.35	56.0	100%	\$44.29	140.0	100%	\$46.81

## AVERAGE HOURLY PROJECT RATES

FIRM BLA, Inc.  
 PTB-ITEM # 0  
 PRIME/SUPPLEMENT Supplement

DATE 05/20/24  
 SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Hydraulic Memo			LOMR/CLOMR			Plan Updates			Permit Updates & Coordinatio			Phase III Coordination			Permit Closeout		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Project Manager	56.24				24	12.50%	7.03	64	16.00%	9.00	40	16.67%	9.37	40	50.00%	28.12	24	16.67%	9.37
Project Engineer	46.01				24	12.50%	5.75	140	35.00%	16.10	60	25.00%	11.50	20	25.00%	11.50	40	27.78%	12.78
Design Engineer	38.59				24	12.50%	4.82	140	35.00%	13.51	60	25.00%	9.65	20	25.00%	9.65	40	27.78%	10.72
Senior Drainage Manager	63.40	80	66.67%	42.26	80	41.67%	26.41	16	4.00%	2.54	40	16.67%	10.57				16	11.11%	7.04
Senior Drainage Engineer	53.17	40	33.33%	17.72	40	20.83%	11.08	40	10.00%	5.32	40	16.67%	8.86				24	16.67%	8.86
<b>TOTALS</b>		120.0	100%	\$59.99	192.0	100%	\$55.10	400.0	100%	\$46.46	240.0	100%	\$49.95	80.0	100%	\$49.27	144.0	100%	\$48.78



<b>Local Public Agency</b> McHenry County DOT	<b>County</b> McHenry	<b>Section Number</b> 06-00329-01-PW
<b>Prime Consultant (Firm) Name</b> Transystems Corporation	<b>Prepared By</b> J. Novak	<b>Date</b> 5/15/2024
<b>Consultant / Subconsultant Name</b> Huff & Huff, Inc.	<b>Job Number</b> 	

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

**Remarks**

Supplement for updated wetland delineations/permitting, environmental clearances, and Phase III Support

**PAYROLL ESCALATION TABLE**

<b>CONTRACT TERM</b>	12	MONTHS		<b>OVERHEAD RATE</b>	190.00%
<b>START DATE</b>	9/15/2023			<b>COMPLEXITY FACTOR</b>	0
<b>RAISE DATE</b>	3/1/2024			<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	9/14/2024				

**ESCALATION PER YEAR**

Year	First Date	Last Date	Months	% of Contract
0	9/15/2023	3/1/2024	6	50.00%
1	3/2/2024	9/1/2024	6	51.00%

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The total escalation = 1.00%

**Local Public Agency****County****Section Number**

McHenry County DOT

McHenry

06-00329-01-PW

**Consultant / Subconsultant Name****Job Number**

Huff &amp; Huff, Inc.

**PAYROLL RATES****EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE**

<b>MAXIMUM PAYROLL RATE</b>	<b>86.00</b>
<b>ESCALATION FACTOR</b>	<b>1.00%</b>

<b>CLASSIFICATION</b>	<b>IDOT PAYROLL RATES ON FILE</b>	<b>CALCULATED RATE</b>
Principal	\$84.29	\$85.13
Associate Principal III	\$79.45	\$80.24
Associate Principal II	\$72.15	\$72.87
Associate Principal I	\$68.96	\$69.65
Senior Consultant II	\$78.93	\$79.72
Senior Consultant I	\$43.23	\$43.66
Senior Project Manager III	\$68.98	\$69.67
Senior Project Manager II	\$57.21	\$57.78
Senior Project Manager I	\$53.79	\$54.33
Senior Landscape Architect	\$59.54	\$60.14
Senior Planning PM	\$56.62	\$57.19
Senior Technical Specialist I	\$55.05	\$55.60
Senior Scientist PM II	\$57.08	\$57.65
Senior Technical Scientist	\$54.50	\$55.05
Scientist PM II	\$49.25	\$49.74
Scientist PM I	\$42.33	\$42.75
Assistant PM Scientist	\$37.61	\$37.99
Environmental Engineer PM II	\$49.99	\$50.49
Environmental Engineer PM I	\$45.82	\$46.28
Assistant PM Engineer I	\$43.04	\$43.47
Engineer II	\$30.26	\$30.56
Engineer I	\$33.19	\$33.52
Scientist SII	\$28.38	\$28.66
Scientist SI	\$32.21	\$32.53
Technical Graphics Technician	\$25.96	\$26.22
Administrative Manager	\$48.89	\$49.38
Senior Administrative Assistant	\$34.50	\$34.85





**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff, Inc.

**Job Number**

**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
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	235	\$0.66	\$153.93
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	8	\$3.00	\$24.00
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
Utlility 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)	5	\$740.00	\$3,700.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Private Locate	Actual Cost	1	\$1,000.00	\$1,000.00
driller	Actual Cost	1	\$2,500.00	\$2,500.00
				\$0.00
				\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$7,377.93</b>



**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff, Inc.

**Job Number**

**AVERAGE HOURLY PROJECT RATES  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Task 1 - Wetland Delineation			Task 2 - Wetland Report Revisions			Task 5 - Updated PSI			Task 6 - Updated CCDD Management Forms			Task 7 - Updated Wetland Permitting		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	85.13	0.0																	
Associate Principal III	80.24	0.0																	
Associate Principal II	72.87	153.0	45.54%	33.18				5	17.24%	12.56							80	51.28%	37.37
Associate Principal I	69.65	6.0	1.79%	1.24							1	7.14%	4.97	1	11.11%	7.74			
Senior Consultant II	79.72	0.0																	
Senior Consultant I	43.66	0.0																	
Senior Project Manager III	69.67	0.0																	
Senior Project Manager II	57.78	2.0	0.60%	0.34															
Senior Project Manager I	54.33	0.0																	
Senior Landscape Architect	60.14	0.0																	
Senior Planning PM	57.19	0.0																	
Senior Technical Specialist I	55.60	8.0	2.38%	1.32													8	5.13%	2.85
Senior Scientist PM II	57.65	0.0																	
Senior Technical Scientist	55.05	144.0	42.86%	23.59	8	100.00%	55.05	22	75.86%	41.76							68	43.59%	23.99
Scientist PM II	49.74	0.0																	
Scientist PM I	42.75	0.0																	
Assistant PM Scientist	37.99	12.0	3.57%	1.36							8	57.14%	21.71	4	44.44%	16.88			
Environmental Engineer PM II	50.49	0.0																	
Environmental Engineer PM I	46.28	0.0																	
Assistant PM Engineer I	43.47	0.0																	
Engineer II	30.56	0.0																	
Engineer I	33.52	9.0	2.68%	0.90							5	35.71%	11.97	4	44.44%	14.90			
Scientist SII	28.66	0.0																	
Scientist SI	32.53	0.0																	
Technical Graphics Technician	26.22	2.0	0.60%	0.16				2	6.90%	1.81									
Administrative Manager	49.38	0.0																	
Senior Administrative Assistant	34.85	0.0																	
<b>TOTALS</b>		336.0	100%	\$62.10	8.0	100.00%	\$55.05	29.0	100%	\$56.13	14.0	100%	\$38.65	9.0	100%	\$39.52	156.0	100%	\$64.22

**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff, Inc.

**Job Number**

**AVERAGE HOURLY PROJECT RATES**

**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Task 11 ESR Addendum			Task 12 Biological Clearances			Task 14 - QA/QC Project Mgmt			Task 15 - Phase III Requests for Information								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	85.13																		
Associate Principal III	80.24																		
Associate Principal II	72.87	6	100.00%	72.87	12	75.00%	54.65	42	72.41%	52.77	8	20.00%	14.57						
Associate Principal I	69.65							4	6.90%	4.80									
Senior Consultant II	79.72																		
Senior Consultant I	43.66																		
Senior Project Manager III	69.67																		
Senior Project Manager II	57.78							2	3.45%	1.99									
Senior Project Manager I	54.33																		
Senior Landscape Architect	60.14																		
Senior Planning PM	57.19																		
Senior Technical Specialist I	55.60																		
Senior Scientist PM II	57.65																		
Senior Technical Scientist	55.05				4	25.00%	13.76	10	17.24%	9.49	32	80.00%	44.04						
Scientist PM II	49.74																		
Scientist PM I	42.75																		
Assistant PM Scientist	37.99																		
Environmental Engineer PM II	50.49																		
Environmental Engineer PM I	46.28																		
Assistant PM Engineer I	43.47																		
Engineer II	30.56																		
Engineer I	33.52																		
Scientist SII	28.66																		
Scientist SI	32.53																		
Technical Graphics Technician	26.22																		
Administrative Manager	49.38																		
Senior Administrative Assistant	34.85																		
<b>TOTALS</b>		6.0	100%	\$72.87	16.0	100%	\$68.41	58.0	100%	\$69.06	40.0	100%	\$58.61	0.0	0%	\$0.00	0.0	0%	\$0.00



<b>Local Public Agency</b> McHenry County DOT	<b>County</b> McHenry	<b>Section Number</b> 06-00329-01-PW
<b>Prime Consultant (Firm) Name</b> Transystems Corporation	<b>Prepared By</b> J. Novak	<b>Date</b> 5/17/2024
<b>Consultant / Subconsultant Name</b> Huff & Huff/GZA	<b>Job Number</b> 	

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

**Remarks**

Supplement for 5 year Maintenance and Monitoring Program

### PAYROLL ESCALATION TABLE

<b>CONTRACT TERM</b>	72	MONTHS	<b>OVERHEAD RATE</b>	190.00%
<b>START DATE</b>	2/1/2025		<b>COMPLEXITY FACTOR</b>	0
<b>RAISE DATE</b>	3/1/2025		<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	1/31/2031			

### ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	2/1/2025	3/1/2025	1	1.39%
1	3/2/2025	3/1/2026	12	17.00%
2	3/2/2026	3/1/2027	12	17.34%
3	3/2/2027	3/1/2028	12	17.69%
4	3/2/2028	3/1/2029	12	18.04%
5	3/2/2029	3/1/2030	12	18.40%
6	3/2/2030	2/1/2031	11	17.21%

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**The total escalation = 7.06%**

<b>Local Public Agency</b>	<b>County</b>	<b>Section Number</b>
McHenry County DOT	McHenry	06-00329-01-PW
<b>Consultant / Subconsultant Name</b>		<b>Job Number</b>
Huff & Huff/GZA		

**PAYROLL RATES**

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

<b>MAXIMUM PAYROLL RATE</b>	<b>86.00</b>
<b>ESCALATION FACTOR</b>	<b>7.06%</b>

<b>CLASSIFICATION</b>	<b>IDOT PAYROLL RATES ON FILE</b>	<b>CALCULATED RATE</b>
Principal	\$85.96	\$86.00
Associate Principal III	\$83.37	\$86.00
Associate Principal II	\$76.01	\$81.38
Associate Principal I	\$71.92	\$77.00
Senior Project Manager III	\$73.19	\$78.36
Senior Project Manager I	\$56.56	\$60.55
Senior Landscape Architect	\$61.47	\$65.81
Senior Planning PM	\$59.03	\$63.20
Senior Technical Specialist II	\$62.64	\$67.06
Senior Technical Specialist I	\$55.79	\$59.73
Senior Scientist PM II	\$61.17	\$65.49
Senior Technical Scientist	\$57.15	\$61.19
Scientist PM II	\$53.34	\$57.11
Scientist PM I	\$46.97	\$50.29
Assistant PM Scientist	\$39.32	\$42.10
Environmental Engineer PM II	\$49.99	\$53.52
Environmental Engineer PM I	\$47.00	\$50.32
Assistant PM Engineer I	\$41.15	\$44.06
Engineer II	\$31.75	\$33.99
Engineer I	\$35.69	\$38.21
Scientist SI	\$34.50	\$36.94
Scientist SII	\$30.16	\$32.29
Technical Graphics Technician	\$27.73	\$29.69
Administrative Executive	\$52.42	\$56.12
Senior Administrative Assistant	\$36.31	\$38.87
Billing Administrator	\$25.00	\$26.77





**Local Public Agency**  
McHenry County DOT

**County**  
McHenry

**Section Number**  
06-00329-01-PW

**Consultant / Subconsultant Name**  
Huff & Huff/GZA

**Job Number**

**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
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	3080	\$0.67	\$2,063.60
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	108	\$2.50	\$270.00
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
Utlility 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)	1	\$900.00	\$900.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$3,233.60</b>

**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff/GZA

**Job Number**

**COST ESTIMATE WORKSHEET**

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

**OVERHEAD RATE** 190.00%

**COMPLEXITY FACTOR** 0

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
5 Year M&M Plan update		16	1,060	2,014	350	0	3,424	2.90%
Field Inspections Year 1		36	1,766	3,356	583	0	5,705	4.84%
Year 1 Annual Report		24	1,072	2,037	354	0	3,463	2.93%
Field Inspections Year 2		36	1,766	3,356	583	0	5,705	4.84%
Year 2 Annual Report		24	1,072	2,037	354	0	3,463	2.93%
Field Inspections Year 3		36	1,766	3,356	583	0	5,705	4.84%
Year 3 Annual Report		24	1,072	2,037	354	0	3,463	2.93%
Field Inspections Year 4		36	1,766	3,356	583	0	5,705	4.84%
Year 4 Annual Report		24	1,072	2,037	354	0	3,463	2.93%
Field Inspections Year 5		36	1,766	3,356	583	0	5,705	4.84%
Year 5 Annual Report		24	1,072	2,037	354	0	3,463	2.93%
Year 1 Vegetation Mgmt		32	1,500	2,850	495	0	4,845	4.11%
Year 2 Vegetation Mgmt		32	1,500	2,850	495	0	4,845	4.11%
Year 3 Vegetation Mgmt		32	1,500	2,850	495	0	4,845	4.11%
Year 4 Vegetation Mgmt		32	1,500	2,850	495	0	4,845	4.11%
Year 5 Vegetation Mgmt		32	1,500	2,850	495	0	4,845	4.11%
Year 5 Wetland and WOUS delineation		49	2,288	4,347	755	0	7,390	6.26%
Stream Survey (Optional)		208	10,488	19,928	3,461	0	33,877	28.71%
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			-	-	-		-	
			-	-	-		-	
			-	-	-		-	
<b>Subconsultant DL</b>							\$0.00	
<b>Direct Costs Total ==&gt;</b>	\$0.00						<b>\$3,233.60</b>	2.74%
<b>TOTALS</b>		733	35,526	67,504	11,726	-	117,990	100.00%

**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff/GZA

**Job Number**

**AVERAGE HOURLY PROJECT RATES  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 1 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			5 Year M&M Plan update			Field Inspections Year 1			Year 1 Annual Report			Field Inspections Year 2			Year 2 Annual Report		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00	0.0																	
Associate Principal III	86.00	0.0																	
Associate Principal II	81.38	25.0	3.41%	2.78	4	25.00%	20.34				2	8.33%	6.78				2	8.33%	6.78
Associate Principal I	77.00	0.0																	
Senior Project Manager III	78.36	0.0																	
Senior Project Manager II	64.71	0.0																	
Senior Project Manager I	60.55	0.0																	
Senior Landscape Architect	65.81	0.0																	
Senior Planning PM	63.20	0.0																	
Senior Technical Specialist II	67.06	6.0	0.82%	0.55															
Senior Technical Specialist I	59.73	0.0																	
Senior Scientist PM II	65.49	16.0	2.18%	1.43															
Senior Technical Scientist	61.19	178.0	24.28%	14.86	12	75.00%	45.89	18	50.00%	30.59	4	16.67%	10.20	18	50.00%	30.59	4	16.67%	10.20
Scientist PM II	57.11	0.0																	
Scientist PM I	50.29	120.0	16.37%	8.23															
Assistant PM Scientist	42.10	160.0	21.83%	9.19															
Environmental Engineer PM II	53.52	0.0																	
Environmental Engineer PM I	50.32	0.0																	
Assistant PM Engineer I	44.06	0.0																	
Engineer II	33.99	0.0																	
Engineer I	38.21	0.0																	
Scientist SI	36.94	220.0	30.01%	11.09				18	50.00%	18.47	18	75.00%	27.70	18	50.00%	18.47	18	75.00%	27.70
Scientist SII	32.29	0.0																	
Technical Graphics Technician	29.69	6.0	0.82%	0.24															
Administrative Executive	56.12	0.0																	
Senior Administrative Assistant	38.87	2.0	0.27%	0.11															
Billing Administrator	26.77	0.0																	
<b>TOTALS</b>		733.0	100%	\$48.47	16.0	100.00%	\$66.23	36.0	100%	\$49.06	24.0	100%	\$44.68	36.0	100%	\$49.06	24.0	100%	\$44.68

**Local Public Agency**

McHenry County DOT

**Consultant / Subconsultant Name**

Huff & Huff/GZA

**County**

McHenry

**Section Number**

06-00329-01-PW

**Job Number**

**AVERAGE HOURLY PROJECT RATES**  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET  2  OF  4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Field Inspections Year 3			Year 3 Annual Report			Field Inspections Year 4			Year 4 Annual Report			Field Inspections Year 5			Year 5 Annual Report		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Associate Principal III	86.00																		
Associate Principal II	81.38				2	8.33%	6.78				2	8.33%	6.78				2	8.33%	6.78
Associate Principal I	77.00																		
Senior Project Manager III	78.36																		
Senior Project Manager II	64.71																		
Senior Project Manager I	60.55																		
Senior Landscape Architect	65.81																		
Senior Planning PM	63.20																		
Senior Technical Specialist II	67.06																		
Senior Technical Specialist I	59.73																		
Senior Scientist PM II	65.49																		
Senior Technical Scientist	61.19	18	50.00%	30.59	4	16.67%	10.20	18	50.00%	30.59	4	16.67%	10.20	18	50.00%	30.59	4	16.67%	10.20
Scientist PM II	57.11																		
Scientist PM I	50.29																		
Assistant PM Scientist	42.10																		
Environmental Engineer PM II	53.52																		
Environmental Engineer PM I	50.32																		
Assistant PM Engineer I	44.06																		
Engineer II	33.99																		
Engineer I	38.21																		
Scientist SI	36.94	18	50.00%	18.47	18	75.00%	27.70	18	50.00%	18.47	18	75.00%	27.70	18	50.00%	18.47	18	75.00%	27.70
Scientist SII	32.29																		
Technical Graphics Technician	29.69																		
Administrative Executive	56.12																		
Senior Administrative Assistant	38.87																		
Billing Administrator	26.77																		
<b>TOTALS</b>		36.0	100%	\$49.06	24.0	100%	\$44.68	36.0	100%	\$49.06	24.0	100%	\$44.68	36.0	100%	\$49.06	24.0	100%	\$44.68

**Local Public Agency**

McHenry County DOT

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**Section Number**

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**Consultant / Subconsultant Name**

Huff & Huff/GZA

**Job Number**

**AVERAGE HOURLY PROJECT RATES**

**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 3 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Year 1 Vegetation Mgmt			Year 2 Vegetation Mgmt			Year 3 Vegetation Mgmt			Year 4 Vegetation Mgmt			Year 5 Vegetation Mgmt			Year 5 Wetland and WOUS delineation		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Associate Principal III	86.00																		
Associate Principal II	81.38																3	6.12%	4.98
Associate Principal I	77.00																		
Senior Project Manager III	78.36																		
Senior Project Manager II	64.71																		
Senior Project Manager I	60.55																		
Senior Landscape Architect	65.81																		
Senior Planning PM	63.20																		
Senior Technical Specialist II	67.06																		
Senior Technical Specialist I	59.73																		
Senior Scientist PM II	65.49																		
Senior Technical Scientist	61.19	8	25.00%	15.30	8	25.00%	15.30	8	25.00%	15.30	8	25.00%	15.30	8	25.00%	15.30	16	32.65%	19.98
Scientist PM II	57.11																		
Scientist PM I	50.29																		
Assistant PM Scientist	42.10	24	75.00%	31.57	24	75.00%	31.57	24	75.00%	31.57	24	75.00%	31.57	24	75.00%	31.57			
Environmental Engineer PM II	53.52																		
Environmental Engineer PM I	50.32																		
Assistant PM Engineer I	44.06																		
Engineer II	33.99																		
Engineer I	38.21																		
Scientist SI	36.94																24	48.98%	18.09
Scientist SII	32.29																		
Technical Graphics Technician	29.69																6	12.24%	3.64
Administrative Executive	56.12																		
Senior Administrative Assistant	38.87																		
Billing Administrator	26.77																		
<b>TOTALS</b>		32.0	100%	\$46.87	32.0	100%	\$46.87	32.0	100%	\$46.87	32.0	100%	\$46.87	32.0	100%	\$46.87	49.0	100%	\$46.69

**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff/GZA

**Job Number**

**AVERAGE HOURLY PROJECT RATES**  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 4 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Stream Survey (Optional)																	
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal	86.00																		
Associate Principal III	86.00																		
Associate Principal II	81.38	8	3.85%	3.13															
Associate Principal I	77.00																		
Senior Project Manager III	78.36																		
Senior Project Manager II	64.71																		
Senior Project Manager I	60.55																		
Senior Landscape Architect	65.81																		
Senior Planning PM	63.20																		
Senior Technical Specialist II	67.06	6	2.88%	1.93															
Senior Technical Specialist I	59.73																		
Senior Scientist PM II	65.49	16	7.69%	5.04															
Senior Technical Scientist	61.19																		
Scientist PM II	57.11																		
Scientist PM I	50.29	120	57.69%	29.01															
Assistant PM Scientist	42.10	40	19.23%	8.10															
Environmental Engineer PM II	53.52																		
Environmental Engineer PM I	50.32																		
Assistant PM Engineer I	44.06																		
Engineer II	33.99																		
Engineer I	38.21																		
Scientist SI	36.94	16	7.69%	2.84															
Scientist SII	32.29																		
Technical Graphics Technician	29.69																		
Administrative Executive	56.12																		
Senior Administrative Assistant	38.87	2	0.96%	0.37															
Billing Administrator	26.77																		
<b>TOTALS</b>		208.0	100%	\$50.42	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00



<b>Local Public Agency</b> McHenry County DOT	<b>County</b> McHenry	<b>Section Number</b> 06-00329-01-PW
<b>Prime Consultant (Firm) Name</b> Transystems Corporation	<b>Prepared By</b> J. Novak	<b>Date</b> 5/13/2024
<b>Consultant / Subconsultant Name</b> Huff & Huff/GZA	<b>Job Number</b> 	

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

**Remarks**

Supplement for formal consultation on the HED if needed.

### PAYROLL ESCALATION TABLE

<b>CONTRACT TERM</b>	12	MONTHS	<b>OVERHEAD RATE</b>	190.00%
<b>START DATE</b>	6/1/2024		<b>COMPLEXITY FACTOR</b>	0
<b>RAISE DATE</b>	3/1/2025		<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	5/31/2025			

### ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	6/1/2024	3/1/2025	9	75.00%
1	3/2/2025	6/1/2025	3	25.50%

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The total escalation = 0.50%

**Local Public Agency****County****Section Number**

McHenry County DOT

McHenry

06-00329-01-PW

**Consultant / Subconsultant Name****Job Number**

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**PAYROLL RATES****EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE**

<b>MAXIMUM PAYROLL RATE</b>	<b>86.00</b>
<b>ESCALATION FACTOR</b>	<b>0.50%</b>

<b>CLASSIFICATION</b>	<b>IDOT PAYROLL RATES ON FILE</b>	<b>CALCULATED RATE</b>
Principal	\$85.96	\$86.00
Associate Principal III	\$83.37	\$83.79
Associate Principal II	\$76.01	\$76.39
Associate Principal I	\$71.92	\$72.28
Senior Project Manager III	\$73.19	\$73.56
Senior Project Manager I	\$56.56	\$56.84
Senior Landscape Architect	\$61.47	\$61.78
Senior Planning PM	\$59.03	\$59.33
Senior Technical Specialist II	\$62.64	\$62.95
Senior Technical Specialist I	\$55.79	\$56.07
Senior Scientist PM II	\$61.17	\$61.48
Senior Technical Scientist	\$57.15	\$57.44
Scientist PM II	\$53.34	\$53.61
Scientist PM I	\$46.97	\$47.20
Assistant PM Scientist	\$39.32	\$39.52
Environmental Engineer PM II	\$49.99	\$50.24
Environmental Engineer PM I	\$47.00	\$47.24
Assistant PM Engineer I	\$41.15	\$41.36
Engineer II	\$31.75	\$31.91
Engineer I	\$35.69	\$35.87
Scientist SI	\$34.50	\$34.67
Scientist SII	\$30.16	\$30.31
Technical Graphics Technician	\$27.73	\$27.87
Administrative Executive	\$52.42	\$52.68
Senior Administrative Assistant	\$36.31	\$36.49
Billing Administrator	\$25.00	\$25.13





**Local Public Agency**

McHenry County DOT

**County**

McHenry

**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

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**Job Number**

**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
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	360	\$0.67	\$241.20
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	16	\$2.50	\$40.00
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
Utlility 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)	1	\$2,500.00	\$2,500.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)	1	\$300.00	\$300.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$3,081.20</b>

**Local Public Agency**

McHenry County DOT

**County**

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**COST ESTIMATE WORKSHEET**

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE **190.00%**

COMPLEXITY FACTOR **0**

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
FWS Conference Meetings		76	4,263	8,100	1,407	0	13,770	7.35%
Field Meetings	281	68	3,986	7,573	1,315	0	12,874	6.87%
Draft BA Executive Summary		28	1,584	3,010	523	0	5,117	2.73%
Draft BA Undertaking		20	1,149	2,184	379	0	3,712	1.98%
Draft BA Lit Research		22	892	1,695	294	0	2,881	1.54%
Draft BA Life history		18	924	1,756	305	0	2,985	1.59%
Draft BA Environmental Baseline		51	2,620	4,978	865	0	8,463	4.51%
Draft BA Alts Analysis		8	611	1,161	202	0	1,974	1.05%
Draft BA Construction, Operations, maintenance		28	1,651	3,137	545	0	5,333	2.85%
Draft Indirect/Cumulative		32	2,022	3,841	667	0	6,530	3.48%
Draft BA Conservation Plan		60	3,076	5,845	1,015	0	9,936	5.30%
Draft BA Minimization		49	2,662	5,057	878	0	8,597	4.59%
Draft BA Mitigation		44	2,461	4,675	812	0	7,948	4.24%
Draft BA Effects Determination		37	2,177	4,136	718	0	7,031	3.75%
Internal Review Draft BA		42	2,461	4,677	812	0	7,950	4.24%
Agency Review Draft BA		44	2,466	4,685	814	0	7,965	4.25%
Progress Internal Meetings		64	4,239	8,054	1,399	0	13,692	7.30%
USFWS Interim Meetings		80	5,298	10,067	1,748	0	17,113	9.13%
IDNR Coordination		24	1,508	2,866	498	0	4,872	2.60%
ITA		52	2,274	4,321	751	0	7,346	3.92%
SELDM Modeling/FROST (FWS depe	2,800	115	4,741	9,008	1,565	0	15,314	8.17%
Project Admin		13	953	1,811	315	0	3,079	1.64%
QA/QC		20	1,379	2,619	455	0	4,453	2.38%
Initial Coordination Meetings		20	1,528	2,903	504	0	4,935	2.63%
Drainage Feasibility Studies		2	153	290	50	0	493	0.26%
			-	-	-		-	
			-	-	-		-	
			-	-	-		-	
			-	-	-		-	
<b>Subconsultant DL</b>							\$0.00	
<b>Direct Costs Total ==&gt;</b>	<b>\$3,081.20</b>						<b>\$3,081.20</b>	1.64%
<b>TOTALS</b>		1017	57,078	108,449	18,836	-	187,444	100.00%

**Local Public Agency**

McHenry County DOT

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**Section Number**

06-00329-01-PW

**Consultant / Subconsultant Name**

Huff & Huff/GZA

**Job Number**

**AVERAGE HOURLY PROJECT RATES  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			FWS Conference Meetings			Field Meetings			Draft BA Executive Summary			Draft BA Undertaking			Draft BA Lit Research		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00	0.0																	
Associate Principal III	83.79	0.0																	
Associate Principal II	76.39	224.0	22.03%	16.83	24	31.58%	24.12	24	35.29%	26.96	1	3.57%	2.73	2	10.00%	7.64	1	4.55%	3.47
Associate Principal I	72.28	0.0																	
Senior Project Manager III	73.56	0.0																	
Senior Project Manager II	60.74	0.0																	
Senior Project Manager I	56.84	0.0																	
Senior Landscape Architect	61.78	0.0																	
Senior Planning PM	59.33	0.0																	
Senior Technical Specialist II	62.95	25.0	2.46%	1.55	4	5.26%	3.31	4	5.88%	3.70	2	7.14%	4.50	1	5.00%	3.15			
Senior Technical Specialist I	56.07	470.0	46.21%	25.91	24	31.58%	17.71	24	35.29%	19.79	24	85.71%	48.06	16	80.00%	44.86	4	18.18%	10.19
Senior Scientist PM II	61.48	38.0	3.74%	2.30															
Senior Technical Scientist	57.44	0.0																	
Scientist PM II	53.61	0.0																	
Scientist PM I	47.20	0.0																	
Assistant PM Scientist	39.52	0.0																	
Environmental Engineer PM II	50.24	0.0																	
Environmental Engineer PM I	47.24	0.0																	
Assistant PM Engineer I	41.36	100.0	9.83%	4.07															
Engineer II	31.91	0.0																	
Engineer I	35.87	0.0																	
Scientist SI	34.67	148.0	14.55%	5.05	24	31.58%	10.95	16	23.53%	8.16							16	72.73%	25.22
Scientist SII	30.31	0.0																	
Technical Graphics Technician	27.87	0.0																	
Administrative Executive	52.68	0.0																	
Senior Administrative Assistant	36.49	12.0	1.18%	0.43							1	3.57%	1.30	1	5.00%	1.82	1	4.55%	1.66
Billing Administrator	25.13	0.0																	
<b>TOTALS</b>		1017.0	100%	\$56.12	76.0	100.00%	\$56.09	68.0	100%	\$58.61	28.0	100%	\$56.59	20.0	100%	\$57.47	22.0	100%	\$40.54

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**AVERAGE HOURLY PROJECT RATES**  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Draft BA Life history			Draft BA Environmental Baseline			Draft BA Alts Analysis			Draft BA Construction, Operations, maintenance			Draft Indirect/Cumulative			Draft BA Conservation Plan		
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Principal	86.00																		
Associate Principal III	83.79																		
Associate Principal II	76.39	1	5.56%	4.24	4	7.84%	5.99	8	100.00%	76.39	4	14.29%	10.91	8	25.00%	19.10	2	3.33%	2.55
Associate Principal I	72.28																		
Senior Project Manager III	73.56																		
Senior Project Manager II	60.74																		
Senior Project Manager I	56.84																		
Senior Landscape Architect	61.78																		
Senior Planning PM	59.33																		
Senior Technical Specialist II	62.95				6	11.76%	7.41										2	3.33%	2.10
Senior Technical Specialist I	56.07	12	66.67%	37.38	24	47.06%	26.39				24	85.71%	48.06	12	37.50%	21.03	40	66.67%	37.38
Senior Scientist PM II	61.48													12	37.50%	23.05			
Senior Technical Scientist	57.44																		
Scientist PM II	53.61																		
Scientist PM I	47.20																		
Assistant PM Scientist	39.52																		
Environmental Engineer PM II	50.24																		
Environmental Engineer PM I	47.24																		
Assistant PM Engineer I	41.36																		
Engineer II	31.91																		
Engineer I	35.87																		
Scientist SI	34.67	4	22.22%	7.71	16	31.37%	10.88										16	26.67%	9.25
Scientist SII	30.31																		
Technical Graphics Technician	27.87																		
Administrative Executive	52.68																		
Senior Administrative Assistant	36.49	1	5.56%	2.03	1	1.96%	0.72												
Billing Administrator	25.13																		
<b>TOTALS</b>		18.0	100%	\$51.36	51.0	100%	\$51.38	8.0	100%	\$76.39	28.0	100%	\$58.97	32.0	100%	\$63.18	60.0	100%	\$51.27

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**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 3 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Draft BA Minimization			Draft BA Mitigation			Draft BA Effects Determination			Internal Review Draft BA			Agency Review Draft BA			Progress Internal Meetings		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Associate Principal III	83.79																		
Associate Principal II	76.39	2	4.08%	3.12	6	13.64%	10.42	6	16.22%	12.39	2	4.76%	3.64	2	4.55%	3.47	32	50.00%	38.20
Associate Principal I	72.28																		
Senior Project Manager III	73.56																		
Senior Project Manager II	60.74																		
Senior Project Manager I	56.84																		
Senior Landscape Architect	61.78																		
Senior Planning PM	59.33																		
Senior Technical Specialist II	62.95										3	7.14%	4.50	3	6.82%	4.29			
Senior Technical Specialist I	56.07	36	73.47%	41.19	32	72.73%	40.78	30	81.08%	45.46	24	57.14%	32.04	36	81.82%	45.87	32	50.00%	28.03
Senior Scientist PM II	61.48	4	8.16%	5.02							12	28.57%	17.56						
Senior Technical Scientist	57.44																		
Scientist PM II	53.61																		
Scientist PM I	47.20																		
Assistant PM Scientist	39.52																		
Environmental Engineer PM II	50.24																		
Environmental Engineer PM I	47.24																		
Assistant PM Engineer I	41.36																		
Engineer II	31.91																		
Engineer I	35.87																		
Scientist SI	34.67	6	12.24%	4.25	6	13.64%	4.73							2	4.55%	1.58			
Scientist SII	30.31																		
Technical Graphics Technician	27.87																		
Administrative Executive	52.68																		
Senior Administrative Assistant	36.49	1	2.04%	0.74				1	2.70%	0.99	1	2.38%	0.87	1	2.27%	0.83			
Billing Administrator	25.13																		
<b>TOTALS</b>		49.0	100%	\$54.32	44.0	100%	\$55.92	37.0	100%	\$58.84	42.0	100%	\$58.61	44.0	100%	\$56.04	64.0	100%	\$66.23

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 4 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	USFWS Interim Meetings			IDNR Coordination			ITA			SELDM Modeling/FROST (FWS dependent)			Project Admin			QA/QC		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Associate Principal III	83.79																		
Associate Principal II	76.39	40	50.00%	38.20	8	33.33%	25.46	1	1.92%	1.47	2	1.74%	1.33	12	92.31%	70.51	10	50.00%	38.20
Associate Principal I	72.28																		
Senior Project Manager III	73.56																		
Senior Project Manager II	60.74																		
Senior Project Manager I	56.84																		
Senior Landscape Architect	61.78																		
Senior Planning PM	59.33																		
Senior Technical Specialist II	62.95																		
Senior Technical Specialist I	56.07	40	50.00%	28.03	16	66.67%	37.38	20	38.46%	21.56									
Senior Scientist PM II	61.48																10	50.00%	30.74
Senior Technical Scientist	57.44																		
Scientist PM II	53.61																		
Scientist PM I	47.20																		
Assistant PM Scientist	39.52																		
Environmental Engineer PM II	50.24																		
Environmental Engineer PM I	47.24																		
Assistant PM Engineer I	41.36										100	86.96%	35.96						
Engineer II	31.91																		
Engineer I	35.87																		
Scientist SI	34.67							30	57.69%	20.00	12	10.43%	3.62						
Scientist SII	30.31																		
Technical Graphics Technician	27.87																		
Administrative Executive	52.68																		
Senior Administrative Assistant	36.49							1	1.92%	0.70	1	0.87%	0.32	1	7.69%	2.81			
Billing Administrator	25.13																		
<b>TOTALS</b>		80.0	100%	\$66.23	24.0	100%	\$62.84	52.0	100%	\$43.74	115.0	100%	\$41.23	13.0	100%	\$73.32	20.0	100%	\$68.93

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**EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**

SHEET 5 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Initial Coordination Meetings			Drainage Feasibility Studies														
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg			
Principal	86.00																		
Associate Principal III	83.79																		
Associate Principal II	76.39	20	100.00%	76.39	2	100.00%	76.39												
Associate Principal I	72.28																		
Senior Project Manager III	73.56																		
Senior Project Manager II	60.74																		
Senior Project Manager I	56.84																		
Senior Landscape Architect	61.78																		
Senior Planning PM	59.33																		
Senior Technical Specialist II	62.95																		
Senior Technical Specialist I	56.07																		
Senior Scientist PM II	61.48																		
Senior Technical Scientist	57.44																		
Scientist PM II	53.61																		
Scientist PM I	47.20																		
Assistant PM Scientist	39.52																		
Environmental Engineer PM II	50.24																		
Environmental Engineer PM I	47.24																		
Assistant PM Engineer I	41.36																		
Engineer II	31.91																		
Engineer I	35.87																		
Scientist SI	34.67																		
Scientist SII	30.31																		
Technical Graphics Technician	27.87																		
Administrative Executive	52.68																		
Senior Administrative Assistant	36.49																		
Billing Administrator	25.13																		
<b>TOTALS</b>		20.0	100%	\$76.39	2.0	100%	\$76.39	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00