



**DRAFT**

**Local Public Agency  
Engineering Services Agreement**

Agreement For  Agreement Type

Using Federal Funds?  Yes  No

**LOCAL PUBLIC AGENCY**

Local Public Agency Lake	County Lake	Section Number 24-00268-29-TL	Job Number 
Project Number 	Contact Name Charles Askar, PE	Phone Number (847) 377-7410	Email caskar@lakecountyiil.gov

**SECTION PROVISIONS**

Local Street/Road Name Various	Key Route Various	Length 	Structure Number 
Location Termini 			<input type="button" value="Add Location"/>
			<input type="button" value="Remove Location"/>

Project Description  
Design work for 2024 PASSAGE Field Elements. See attached exhibit.

Engineering Funding  MFT/TBP  State  Other

Anticipated Construction Funding  Federal  MFT/TBP  State  Other

**AGREEMENT FOR**

Phase I - Preliminary Engineering  Phase II - Design Engineering

**CONSULTANT**

Prime Consultant (Firm) Name DLZ Illinois, Inc.	Contact Name Daniel Wiktorzak	Phone Number (773) 283-2600	Email dwiktorzak@dlz.com
Address 8430 West Bryn Mawr Ave, Ste 100	City Chicago	State IL	Zip Code 60631

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 SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the 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 and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an 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:

- Regional Engineer: Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
- Resident Construction Supervisor: Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
- In Responsible Charge: A full time LPA employee authorized to administer inherently governmental PROJECT activities
- Contractor: 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 (BLR 05513 or BLR 05514 )
- EXHIBIT \_\_\_ : 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 that are 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 or DEPARTMENT 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, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
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 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 or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
  - (b) That all plans and other documents furnished by the ENGINEER pursuant to the 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 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. 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 COST 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. 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 and DEPARTMENT 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, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the 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:

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.

5. 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 Department 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. 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 Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, 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 DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
2. That the ENGINEER shall be responsible for any all damages to property or persons 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, the DEPARTMENT, 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.
3. 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 becomes 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.

4. In the event that the DEPARTMENT stops payment to the LPA, 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.
5. 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.
6. 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 have harmless the LPA, the DEPARTMENT, and their officers, 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.
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 the 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 the 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 the 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 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.

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.

8. 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 the 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, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that 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 DEPARTMENT 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 on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT 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 an 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 DEPARTMENT, as defined the Act.

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 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 (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) of 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, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. 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.

- 10. 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.).
- 11. 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 or to the DEPARTMENT, 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 current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT 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.

**AGREEMENT SUMMARY**

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
DLZ Illinois, Inc.	31-1683105	\$90,397.00
Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Subconsultant Total		
Prime Consultant Total		\$90,397.00
Total for all work		\$90,397.00

**AGREEMENT SIGNATURES**

Executed by the LPA:

Local Public Agency Type

Local Public Agency

Attest:

The

County

of

Lake

By (Signature & Date)

[Signature & Date box for LPA]

By (Signature & Date)

[Signature & Date box for Engineer]

Local Public Agency

Local Public Agency Type

Title

Lake

County

Clerk

[Title box for Engineer]

(SEAL)

Executed by the ENGINEER:

Prime Consultant (Firm) Name

Attest:

DLZ Illinois, Inc.

By (Signature & Date)

[Signature of Mona Horton]

By (Signature & Date)

[Signature of Gregory R. Burman]

Title

Title

Staff Accountant

President

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

[Signature & Date box for Regional Engineer]

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake	DLZ Illinois, Inc.	Lake	24-00268-29-TL

**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
Lake	DLZ Illinois, Inc.	Lake	24-00268-29-TL

**EXHIBIT B  
PROJECT SCHEDULE**

See attached.



Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake	DLZ Illinois, Inc.	Lake	24-00268-29-TL

**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)

**2024 PASSAGE Field Elements**  
**LDOT # 24-00268-29-TL**  
**DLZ Job # 2481-2201-00**

## SCOPE OF SERVICES

May 14, 2024

The scope of services for this project includes work at the following locations. Tasks A through E are included for each of these locations.

- Grass Lake Rd & Beck Rd
- IL 120 (Belvidere Rd) & Cedar Lake Rd
- IL 120 (Belvidere Rd) & IL 134
- US 12 (Rand Rd) & Pheasant Ridge Rd/Deerpath Rd
- Lake Cook Rd & Deer Park Blvd
- IL 131 (Green Bay Rd) & Kenosha Rd
- IL 131 (Green Bay Rd) & 21st St
- IL 176 (Park Ave) & Libertyville HS/Dawes St
- IL 176 (Park Ave) & Brainerd Ave/Garfield Ave
- US 41 (Skokie Hwy) & Deerfield Rd
- Saunders Rd & Parkway North
- IL 132 & Dilley Rd
- IL 22 & Telegraph Rd
- Midlothian Rd & Old McHenry Rd
- Midlothian Rd & Gilmer Rd

It has been assumed that there will be three project submittals: 1) preliminary submittal after field reviews are completed and recommendations on required equipment modification have been developed, 2) pre-final plans and 3) final plans. Submittals of the pre-final and final plans will also be made to IDOT. As part of the project it has also been assumed that two review meetings will be held with the County – after the preliminary submittal and after the pre-final plan submittal. The hours for all submittals and meetings have been included with the following work items.

- A. Field Visits – Conduct field inspection of existing traffic signal installations and field verification of existing signal plans. Inventory and photograph existing controller cabinet and traffic signal equipment (including inventory of fiber terminations). For proposed interconnect segments, field verification of Google Earth aerials and any available existing plans will be completed. This will include wheel survey as necessary to located additional topographic features that would be critical to the design and construction of the proposed interconnect.
- B. Prepare traffic signal and cable plans to show the proposed modifications to the installation (itemized list of improvements at each intersection was provide via email from LCDOT on 05-06-24, Exhibit A). The

plan sheets will be done using the existing signal and cable plans as a base and superimposing the proposed equipment over the existing plan. For intersections where the existing plan is poor quality, a new base sheet will be prepared by redrawing the existing plan or using aerial imagery.

- C. For locations where new interconnect is proposed, base sheets will be prepared using aerial photography provided by the County and existing roadway and right-of-way plans where available. The proposed interconnect equipment will be added to these base sheets. This work will also include preparation of new or modified interconnect schematics to show the new fiber network.
- D. Quantities will be calculated for each location and specifications will be prepared as necessary.
- E. Bid documents and plan sets will be prepared. The plan sets will include a cover sheet, location map, summary of quantities, signal and cable modification plans, and interconnect plans and schematics, and standard details. Alternate bidding is not anticipated for this project. This item will also include coordination with existing utility companies including providing plan sets for identifying potential utility conflicts.
- F. LCDOT will coordinate the proposed scope of work with its Network Integrator to obtain the equipment connection and Fiber Splicing Diagram sheets. These sheets will be incorporated into the plan set by DLZ.
- G. DLZ will complete a QA/QC review for all signal and interconnect plans and quantities.
- H. Project management will include internal project scheduling, project invoicing and internal project team meetings.
- I. Schedule
  - Anticipated LCDOT letting: January -February 2025
  - Final Plans Due: October – November 2024

No other services or responsibilities are inferred or implied in the Scope of Services except those expressly set forth above. Consultant shall not be obligated to provide nor entitled to compensation for any services except those set forth above or as otherwise agreed to in writing.

---

# EXHIBIT A - LIST OF IMPROVEMENTS

2024 PASSAGE FIELD ELEMENTS PROJECT LOCATIONS	REMOTE CONTROLLED VIDEO SYSTEM	CAMERA MOUNTING ASSEMBLY	CELLULAR MODEM	LAYER II NETWORK SWITCH	WIRELESS TRANSMISSION SYSTEM (POINT-TO-POINT)	FIBER OPTIC CABLE IN CONDUIT SM24F	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	VDS	HANDHOLE	CCTV CAMERA STRUCTURE, 50FT. MOUNTING HEIGHT	CCTV CAMERA STRUCTURE FOUNDATION, 30" DIA.	CCTV FIELD TERMINAL CABINET	SERVICE INSTALLATION GROUND MOUNTED METERED	TERMINATE FIBER IN CABINET	SPLICE FIBER IN CABINET	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	Installation Notes	
Grass Lake Rd & Beck Rd	1	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	
IL 120 (Belvidere Rd) & Cedar Lake Rd	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	P2P Wireless Radio to IL 120 & IL 134
IL 120 (Belvidere Rd) & IL 134	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	P2P Wireless Radio to IL 120 & Cedar Lake Rd
US 12 (Rand Rd) & Pheasant Ridge Rd/Deerpath Rd	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	-	1	
Midlothian Rd Redundant Fiber Installation	-	-	-	-	-	8500	8500	-	17	-	-	-	-	-	-	-	1	Conduit and Fiber Install from Old McHenry Rd to Gilmer Rd
Lake Cook Rd & Deer Park Blvd	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
IL 131 (Green Bay Rd) & Kenosha Rd	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	P2P Wireless Radio to IL 131 & 21st St
IL 131 (Green Bay Rd) & 21st St	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	P2P Wireless Radio to IL 131 & Kenosha Rd
IL 176 (Park Ave) & Libertyville HS/Dawes St	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
IL 176 (Park Ave) & Brainerd Ave/Garfield Ave	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
US 41 (Skokie Hwy) & Deerfield Rd	1	1	-	1	-	500	500	-	2	13	1	1	1	1	1	1	1	SE Corner - Stand Alone Pole w/PTZ near ramps. Intercept Fiber w/In-Ground Fiber Enclosure
Saunders Rd & Parkway North	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
IL 132 & Dilley's	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
IL 22 & Telegraph Rd	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
<b>TOTAL QUANTITIES:</b>	<b>10</b>	<b>10</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>9000</b>	<b>9000</b>	<b>1</b>	<b>19</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>14</b>		

## PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME  
PRIME/SUPPLEMENT  
Prepared By  
Work Order #(if applicable)

DLZ Illinois
Prime
DW

DATE 05/14/24  
PTB-ITEM# 2024 PASSAGE

CONTRACT TERM 10 MONTHS  
START DATE 6/1/2024  
RAISE DATE 1/1/2025  
END DATE 3/31/2025

OVERHEAD RATE 164.23%  
COMPLEXITY FACTOR 0  
% OF RAISE 3%  
CURRENT SALARY CAP \$86.00

### ESCALATION PER YEAR

year	First date	Last date	Months	% of Contract
0	6/1/2024	1/1/2025	7	70.00%
1	1/2/2025	4/1/2025	3	30.90%

---

The total escalation = **0.90%**

# PAYROLL RATES

FIRM NAME DLZ Illinois DATE 05/14/24  
 PRIME/SUPPLEMENT Prime  
 PTB-ITEM # 2024 PASSAGE  
 Work Order # 0

ESCALATION FACTOR **0.90%**

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

*WORK ORDERS - Classifications and Average Payrates need to match the master work order agreement.*

CLASSIFICATION	DEPARTMENT	
	AVG. PAYROLL RATES ON FILE	CALCULATED RATE (\$86.00 CAP)
Department Manager	\$71.76	\$72.41
Civil Engineer II	\$57.75	\$58.27
CAD Designer/Tech III	\$31.85	\$32.14
Intern	\$25.00	\$25.23
Administrative	\$35.00	\$35.32



### AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois  
 PTB-ITEM# 2024 PASSAGE  
 PRIME/SUPPLEMENT Prime  
 Work Order # 0

DATE 05/14/24

SHEET 1 OF 3

PAYROLL CLASSIFICATION	CALC. AVG. RATES	TOTAL			TASK Grass Lake Rd & Beck			TASK (Belvidere Rd) & Cedar			TASK 120 (Belvidere Rd) & IL			TASK d Rd) & Pheasant Ridge Rd			TASK Lake Cook Rd & Deer Park B		
		HOURS	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Department Manager	72.41	212.0	39.77%	28.80	6	35.29%	25.56	6	35.29%	25.56	6	35.29%	25.56	6	35.29%	25.56	6	35.29%	25.56
Civil Engineer II	58.27	172.0	32.27%	18.80	6	35.29%	20.57	6	35.29%	20.57	6	35.29%	20.57	6	35.29%	20.57	6	35.29%	20.57
CAD Designer/Tech III	32.14	95.0	17.82%	5.73	3	17.65%	5.67	3	17.65%	5.67	3	17.65%	5.67	3	17.65%	5.67	3	17.65%	5.67
Intern	25.23	49.0	9.19%	2.32	2	11.76%	2.97	2	11.76%	2.97	2	11.76%	2.97	2	11.76%	2.97	2	11.76%	2.97
Administrative	35.32	5.0	0.94%	0.33															
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
<b>TOTALS</b>		533.0	100%	\$55.98	17.0	100.00%	\$54.76	17.0	100%	\$54.76	17.0	100%	\$54.76	17.0	100%	\$54.76	17.0	100%	\$54.76



### AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois  
 PTB-ITEM# 2024 PASSAGE  
 PRIME/SUPPLEMENT Prime  
 Work Order # 0

DATE 05/14/24

SHEET 2 OF 3

PAYROLL CLASSIFICATIONS	CALC. AVG. RATES	TASK			TASK			TASK			TASK			TASK					
		31 (Green Bay Rd) & Kenos			131 (Green Bay Rd) & 21st			Park Ave) & Libertyville HS			Park Ave) & Brainerd Ave/G			S 41 (Skokie Hwy) & Deerfie			Saunders Rd & Parkway No		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Department Manager	\$72.41	6	35.29%	25.56	6	35.29%	25.56	6	35.29%	25.56	6	35.29%	25.56	12	28.57%	20.69	6	35.29%	25.56
Civil Engineer II	\$58.27	6	35.29%	20.57	6	35.29%	20.57	6	35.29%	20.57	6	35.29%	20.57	15	35.71%	20.81	6	35.29%	20.57
CAD Designer/Tech III	\$32.14	3	17.65%	5.67	3	17.65%	5.67	3	17.65%	5.67	3	17.65%	5.67	10	23.81%	7.65	3	17.65%	5.67
Intern	\$25.23	2	11.76%	2.97	2	11.76%	2.97	2	11.76%	2.97	2	11.76%	2.97	5	11.90%	3.00	2	11.76%	2.97
Administrative	\$35.32																		
<b>TOTALS</b>		17.0	100%	\$54.76	17.0	100%	\$54.76	17.0	100%	\$54.76	17.0	100%	\$54.76	42.0	100%	\$52.15	17.0	100%	\$54.76

**AVERAGE HOURLY PROJECT RATES**

FIRM DLZ Illinois  
 PTB-ITEM# 2024 PASSAGE  
 PRIME/SUPPLEMENT Prime  
 Work Order # 0

DATE 05/14/24

SHEET 3 OF 3

PAYROLL CLASSIFICATION	CALC. AVG. RATES	TASK 12. IL 132 & Dilleys Rd			TASK 13. IL 22 & Telegraph Rd			TASK 14. Midlothian Rd Corridor			TASK Documents and Utility Coord			TASK 16. QA/QC			TASK 17. Project Management		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
		Department Manager	\$72.41	6	35.29%	25.56	6	35.29%	25.56	35	30.97%	22.43	65	50.00%	36.20	11	50.00%	36.20	17
Civil Engineer II	\$58.27	6	35.29%	20.57	6	35.29%	20.57	39	34.51%	20.11	35	26.92%	15.69	11	50.00%	29.13			
CAD Designer/Tech III	\$32.14	3	17.65%	5.67	3	17.65%	5.67	29	25.66%	8.25	20	15.38%	4.94						
Intern	\$25.23	2	11.76%	2.97	2	11.76%	2.97	10	8.85%	2.23	10	7.69%	1.94						
Administrative	\$35.32																5	22.73%	8.03
<b>TOTALS</b>		17.0	100%	\$54.76	17.0	100%	\$54.76	113.0	100%	\$53.02	130.0	100%	\$58.78	22.0	100%	\$65.34	22.0	100%	\$63.98

**COMPANY NAME:** DLZ Illinois, Inc.  
**PTB NUMBER:** 2024 PASSAGE Field Elements  
**TODAY'S DATE:** 5/14/2024

ITEM	ALLOWABLE	UTILIZE W.O. ONLY	QUANTITY J.S. ONLY	CONTRACT RATE	TOTAL
Per Diem (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00	\$0.00
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost (Up to state rate maximum)			\$0.00	\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost			\$0.00	\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00	\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.000	\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	X	4	\$65.00	\$260.00
Vehicle Rental	Actual cost (Up to \$55/day)			\$0.00	\$0.00
Tolls	Actual cost			\$0.75	\$0.00
Parking	Actual cost			\$0.00	\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00	\$0.00
Shift Differential	Actual cost (Based on firm's policy)			\$0.00	\$0.00
Overnight Delivery/Postage/Courier Service	Actual cost (Submit supporting documentation)	X	2	\$30.00	\$60.00
Copies of Deliverables/Mylars (In-house)	Actual cost (Submit supporting documentation)			\$0.00	\$0.00
Copies of Deliverables/Mylars (Outside)	Actual cost (Submit supporting documentation)	X	2,000	\$0.10	\$200.00
Project Specific Insurance	Actual cost			\$0.00	\$0.00
Monuments (Permanent)	Actual cost			\$0.00	\$0.00
Photo Processing	Actual cost			\$0.00	\$0.00
2-Way Radio (Survey or Phase III Only)	Actual cost			\$0.00	\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual cost			\$0.00	\$0.00
CADD	Actual cost (Max \$15/hour)			\$0.00	\$0.00
Web Site	Actual cost (Submit supporting documentation)			\$0.00	\$0.00
Advertisements	Actual cost (Submit supporting documentation)			\$0.00	\$0.00
Public Meeting Facility Rental	Actual cost (Submit supporting documentation)			\$0.00	\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual cost (Submit supporting documentation)			\$0.00	\$0.00
Recording Fees	Actual cost			\$0.00	\$0.00
Transcriptions (specific to project)	Actual cost			\$0.00	\$0.00
Courthouse Fees	Actual cost			\$0.00	\$0.00
Storm Sewer Cleaning and Televising	Actual cost (Requires 2-3 quotes with IDOT approval)			\$0.00	\$0.00
Traffic Control and Protection	Actual cost (Requires 2-3 quotes with IDOT approval)			\$0.00	\$0.00
Aerial Photography and Mapping	Actual cost (Requires 2-3 quotes with IDOT approval)			\$0.00	\$0.00
Utility Exploratory Trenching	Actual cost (Requires 2-3 quotes with IDOT approval)			\$0.00	\$0.00
Testing of Soil Samples*	Actual cost			\$0.00	\$0.00
Lab Services*	Actual cost (Provide breakdown of each cost)			\$0.00	\$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	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
<b>TOTAL DIRECT COST</b>					<b>\$520.00</b>

\*If other allowable costs are needed and not listed, please add in the above spaces provided.

**LEGEND**

W.O. = Work Order

J.S. = Job Specific

**2024 PASSAGE Field Elements  
Scope of Work and Manhour Estimate  
Prepared by DLZ Illinois; May 14, 2024**

Scope of Work by Task	Manhours
<b>1 Grass Lake Rd &amp; Beck Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 1</b>	<b>17</b>
<b>2 IL 120 (Belvidere Rd) &amp; Cedar Lake Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 2</b>	<b>17</b>
<b>3 IL 120 (Belvidere Rd) &amp; IL 134</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 3</b>	<b>17</b>
<b>4 US 12 (Rand Rd) &amp; Pheasant Ridge Rd/Deerpath Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 4</b>	<b>17</b>
<b>5 Lake Cook Rd &amp; Deer Park Blvd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 5</b>	<b>17</b>
<b>6 IL 131 (Green Bay Rd) &amp; Kenosha Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 6</b>	<b>17</b>
<b>7 IL 131 (Green Bay Rd) &amp; 21st St</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 7</b>	<b>17</b>
<b>8 IL 176 (Park Ave) &amp; Libertyville HS/Dawes St</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 8</b>	<b>17</b>
<b>9 IL 176 (Park Ave) &amp; Brainerd Ave/Garfield Ave</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 9</b>	<b>17</b>
<b>10 US 41 (Skokie Hwy) &amp; Deerfield Rd</b>	
Field visit	1
Create PTZ plan sheet	20
Service Coordination	20
Quantities/Specifications	1
<b>Subtotal Task 10</b>	<b>42</b>
<b>11 Saunders Rd &amp; Parkway North</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 11</b>	<b>17</b>
<b>12 IL 132 &amp; Dilley Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 12</b>	<b>17</b>
<b>13 IL 22 &amp; Telegraph Rd</b>	
Field visit	1
Modify signal and cable plan (1 location @ 14 hrs)	15
Quantities/Specifications	1
<b>Subtotal Task 13</b>	<b>17</b>
<b>14 Midlothian Rd Corridor</b>	
<i>Midlothian Rd &amp; Old McHenry Rd</i>	
<i>Midlothian Rd &amp; Gilmer Rd</i>	
Field Visit (2 intersections @ 1hr. and 8500' interconnect)	6
Modify signal and cable plans (2 locations, Assume 1 need to be redrawn)	34
Interconnect plan (Includes creating base sheet)	65
Quantities/Specifications	8
<b>Subtotal Task 14</b>	<b>113</b>
<b>15 Bid Documents and Utility Coordination</b>	
Cover sheet and location map	10
Summary of Quantities	20
Compile project specifications, list of standards, bid forms, etc.	10
Utility coordination	30
IDOT Permit Coordination	30
DoTH Permit Coordination	30
<b>Subtotal Task 15</b>	<b>130</b>
<b>16 QA/QC</b>	
Provide QA/QC for project	22
<b>Subtotal Task 16</b>	<b>22</b>
<b>17 Project Management</b>	
Project scheduling, invoicing, etc.	22
<b>Subtotal Task 17</b>	<b>22</b>
<b>TOTAL MANHOURS</b>	<b>533</b>