


Municipality	L O C A L A G E N C Y	 Illinois Department of Transportation	C O N S U L T A N T	Name DLZ Illinois, Inc.
Township				Address 8430 W. Bryn Mawr Ave., Ste 100
County Lake County – Division of Transportation		City Chicago		
Section 19-00268-20-TL		State Illinois		

THIS AGREEMENT is made and entered into this _____ day of _____, 2019 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Non-Motor Fuel Tax Funds, allotted to the LA, ~~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.

Section Description

Name 2019 PASSAGE Field Elements

Route Various Length _____ Mi. _____ FT (Structure No. _____)

Termini _____

Description:

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. Prepare Army Corps of Engineers Permit, **Lake County Stormwater Management Commission Permit**, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with **one (1) copy of each document in both hardcopy and electronic format**. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at the ENGINEER's actual cost for reproduction.
 - h. Furnish the LA with survey and drafts in **duplicate** of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.
 - i. Assist the LA in the tabulation and interpretation of the contractors' proposals.

- j. Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
 - k. Prepare the Project Development Report when required by the DEPARTMENT.
 - l. **Services as included and/or defined in the attached Scope of Services.**
2. That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies **of the LA and** of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA ~~and the DEPARTMENT.~~
 3. To attend conferences at any reasonable time when requested to do so by representatives of the LA ~~or the Department.~~
 4. In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that the ENGINEER will perform such work without expense to the LA, even though final payment has been received by the ENGINEER. The ENGINEER shall give immediate attention to these changes so there will be a minimum delay to the CONTRACTOR.
 5. That basic survey notes and sketches, charts, computations and other data prepared or obtained by the ENGINEER pursuant to this AGREEMENT will be made available, upon request, to the LA ~~or the DEPARTMENT~~ without cost and without restriction or limitations as to their use.
 6. That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will show the ENGINEER's professional seal where such is required by law.

The LA Agrees,

1. ~~To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT according to the following method indicated by a check mark:~~
 - a. A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
 - b. A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

~~Schedule for Percentages Based on Awarded Contract Cost~~

Awarded Cost	Percentage Fees	(see note)
Under \$50,000	_____	%
	_____	%
	_____	%

~~Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.~~

2. To pay for all services rendered in accordance with this AGREEMENT at the actual cost of performing such work plus ****** percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at the ENGINEER's actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided in section 1 of the ENGINEER AGREES. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus an additional service charge of up to five (5) percent.

~~"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT~~ copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed. ****See the CECS**

The Total Not-to-Exceed Contract Amount shall be \$78,125

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed. ~~in accordance with the following schedule:~~

- ~~a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by section 1 of the ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.~~
- ~~b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.~~

By Mutual agreement, partial payments, ~~not to exceed 90 percent of the amount earned,~~ may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in sections 1 and 3 of the ENGINEER AGREES and prior to the completion of such services, the LA shall reimburse the ENGINEER for the ENGINEER's actual costs plus ****** percent incurred up to the time the ENGINEER is notified in writing of such abandonment - "actual cost" being defined as in paragraph 2 of the LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of the ENGINEER AGREES, ~~after they have been approved by the DEPARTMENT,~~ the LA will pay the ENGINEER for such changes on the basis of actual cost plus ****** percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 2 of the LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of the ENGINEER's responsibility to prepare a complete and adequate set of plans and specifications.

****See the CECS**

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their 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 LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA 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 LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with section 4 of the LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA ~~and their approval by the DEPARTMENT,~~ the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA ~~and the DEPARTMENT.~~
4. That the ENGINEER warrants that the ENGINEER has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that the ENGINEER has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quintuplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

ATTEST: _____ County of Lake _____ of the
(Municipality/Township/County)
State of Illinois, acting by and through its
County Board
By _____
Lake County Clerk By _____
(Seal) Title Chair, Lake County Board

RECOMMENDED FOR EXECUTION

Shane E. Schneider, P.E.
Director of Transportation/County Engineer
Lake County

Executed by the ENGINEER:

Engineering Firm
Street Address
City, State
ATTEST: _____
By _____ By _____
Title _____ Title _____

Note: Three (3) Original Executed Contracts – (2) LCDOT; (1) Consultant



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

2019 PASSAGE Field Elements
LDOT # 19-00268-20-TL
DLZ Job # 1982-2154-00

CONTRACT AMOUNT BREAKDOWN

August 14, 2019

Below is the breakdown of the contract amount for the above listed project. For specific scope and fee breakdown including CECS see attached contract documents.

Work Order # 2019-01	\$54,361.00
Work Order # 2019-02	\$23,764.00
<hr/>	
Total Contract Amount	\$78,125.00



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

2019 PASSAGE Field Elements
LDOT # 19-00268-20-TL
DLZ Job # 1982-2154-00
Work Order # 2019-01

SCOPE OF SERVICES

August 12, 2019

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

Sheridan Rd at Washington Ave

IL 173 Corridor

- IL 173 at IL 59
- IL 173 at IL 83
- IL 173 at Savage Rd
- IL 173 at US 45
- IL 173 at Kilbourne Rd
- IL 173 at Delany Rd
- IL 173 at IL 131
- IL 173 at Kenosha Rd

IL 131 at 21st St

US 41 at Wadsworth Rd

I-94 at IL 120 (SE Ramp)

IL 21 at IL 137

IL 176 at IL 131

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. Check sight line to maximize visibility of proposed PTZ cameras. 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 8-6-19, 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. **WO# 2019-02 plan sheets and bid documents will be combined into bid documents for WO# 2019-01.** The plan set will include a cover sheet, location map, summary of quantities, signal and cable modification plans, and interconnect plans and schematics, and standard details. The bid documents will be prepared to allow for alternate bids for the project. This item will also include coordination with existing utility companies including providing plan sets for identifying potential utility conflicts.
- F. Various (ATSPM) - LCDOT will provide a list of intersections (up to 24 locations) for controller replacement. DLZ will include the quantities associated with the replacement of controllers at the locations within the Specifications and Schedule of Quantities. These locations will not require a field visit or any plan preparation.
- G. LCDOT will coordinate the proposed scope of work with PARSONS to obtain the Cabinet Detail and Fiber Splicing Diagram sheets. These sheets will be incorporated into the plan set by DLZ.
- H. DLZ will complete a QA/QC review for all signal and interconnect plans and quantities.
- I. Project management will include internal project scheduling, project invoicing and internal project team meetings.

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.

2019 ITS PASSAGE Elements
Scope of Work and Manhour Estimate (WO# 2019-01 & 2019-02)
 Prepared by DLZ Illinois; August 12, 2019

	Scope of Work by Task	Manhours	
WO# 2019-01	1 Sheridan Rd at Washington Ave		<u>Sheridan Rd at Washington Ave</u>
	Field visit	1	
	Modify signal and cable plan (1 location @ 12 hrs)	12	
	Quantities/Specifications	1	
	Subtotal Task 1	14	
	2 IL 173 Corridor		<u>IL 173 Corridor</u>
	Field Visit (8 intersections @ 1hr. and 4000' interconnect)	12	IL 173 at IL 59 w/ 4000' fiber interconnect
	Modify signal and cable plans (8 locations, Assume 2 need to be redrawn)	108	IL 173 at IL 83 (coconnection of interconnect from IL 59)
	Interconnect plan (Includes creating base sheet)	50	IL 173 at Savage Rd
	Quantities/Specifications	10	IL 173 at US 45
			IL 173 at Kilbourne Rd
			IL 173 at Delany Rd
			IL 173 at IL 131
			IL 173 at Kenosha Rd
	Subtotal Task 2	180	
	3 IL 131 at 21st St		<u>IL 131 at 21st St</u>
	Field visit	1	
	Modify signal and cable plan (1 location @ 12 hrs)	12	
	Quantities/Specifications	1	
	Subtotal Task 3	14	
	4 US 41 at Wadsworth Rd		<u>US 41 at Wadsworth Rd</u>
	Field visit	1	
	Modify signal and cable plan (1 location @ 12 hrs)	12	
	Quantities/Specifications	1	
	Subtotal Task 4	14	
5 I-94 at IL 120 (SE Ramp)		<u>I-94 at IL 120 (SE Ramp)</u>	
Field visit	1		
Modify signal and cable plan (1 location @ 12 hrs)	12		
Quantities/Specifications	1		
Subtotal Task 5	14		
6 IL 21 at IL 137		<u>IL 21 at IL 137</u>	
Field visit	1		
Modify signal and cable plan (1 location @ 12 hrs)	12		
Quantities/Specifications	1		
Subtotal Task 6	14		
7 IL 176 at IL 131		<u>IL 176 at IL 131</u>	
Field visit	1		
Modify signal and cable plan (1 location @ 12 hrs)	12		
Quantities/Specifications	1		
Subtotal Task 7	14		
8 Various (ATSPM)		<u>IL 176 at IL 131</u>	
Quantities/Specifications	4		
Subtotal Task 8	4		
9 Bid Documents and Utility Coordination			
Cover sheet and location map	10		
Summary of Quantities	20		
Compile project specifications, list of standards, bid forms, etc.	10		
Utility coordination	30		
IDOT Permits Coordination	30		
Subtotal Task 9	100		
10 QA/QC			
Provide QA/QC for project	18		
Subtotal Task 10	18		
11 Project Management			
Project scheduling, invoicing, etc.	18		
Subtotal Task 11	18		
SUBTOTAL MANHOURS TASK 1-11	404		
WO# 2019-02	1 IL 59 Corridor		<u>IL 59 Corridor</u>
	Field Visit (7 intersections @ 1hr. and 5600' interconnect)	11	IL 59 at US 12 w/ 5600' fiber interconnect
	Modify signal and cable plans (7 locations, Assume 1 needs to be redrawn)	96	IL 59 at Roberts Rd (coconnection of interconnect from IL 59 at US 12)
	Interconnect plan (Includes creating base sheet)	50	IL 59 at Essex Rd/Indian Trail Rd
	Quantities/Specifications	10	IL 59 at Kelsey Rd
			IL 59 at Miller Rd
			IL 59 at IL 22
			IL 59 at Cuba Rd
	Subtotal Task 1	167	
	2 QA/QC		
Provide QA/QC for project	8		
Subtotal Task 2	8		
3 Project Management			
Project scheduling, invoicing, etc.	8		
Subtotal Task 3	8		
SUBTOTAL MANHOURS TASK 1-3	183		
TOTAL MANHOURS	587		

PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME DLZ Illinois
 PRIME/SUPPLEMENT Prime
 Prepared By DW

DATE 08/12/19
 PTB-ITEM# PASSAGE 2019
WO# 2019-01

CONTRACT TERM 8 MONTHS
 START DATE 9/1/2019
 RAISE DATE 1/1/2020
 END DATE 4/30/2020

OVERHEAD RATE 159.83%
 COMPLEXITY FACTOR 0
 % OF RAISE 3%

ESCALATION PER YEAR

year	First date	Last date	Months	% of Contract
0	9/1/2019	1/1/2020	4	50.00%
1	1/2/2020	5/1/2020	4	51.50%

The total escalation = 1.50%

PAYROLL RATES

FIRM NAME DLZ Illinois DATE 08/12/19
PRIME/SUPPLEMENT Prime
PTB-ITEM # PASSAGE 2019, WO# 2019-01

ESCALATION FACTOR 1.50%

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

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$70.00	\$71.05
Senior Engr/Civil Engr III	\$52.50	\$53.29
Engineer II	\$45.15	\$45.83
CAD Designer/Tech III	\$24.00	\$24.36
Administrative	\$27.00	\$27.41

AVERAGE HOURLY PROJECT RATES

FIRM
PTB-ITEM#
PRIME/SUPPLEMENT

DLZ Illinois
PASSAGE 2019, WO# 2019-01
Prime

DATE 08/12/19

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			1. Sheridan at Washington			2. IL 173 Corridor			3. IL 131 at 21st			4. US 41 at Wadsworth			5. I-94 at IL 120		
		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	71.05	5.0	1.24%	0.88															
Senior Engr/Civil Engr III	53.29	158.0	39.11%	20.84	4	28.57%	15.23	50	27.78%	14.80	4	28.57%	15.23	4	28.57%	15.23	4	28.57%	15.23
Engineer II	45.83	163.0	40.35%	18.49	7	50.00%	22.91	90	50.00%	22.91	7	50.00%	22.91	7	50.00%	22.91	7	50.00%	22.91
CAD Designer/Tech III	24.36	73.0	18.07%	4.40	3	21.43%	5.22	40	22.22%	5.41	3	21.43%	5.22	3	21.43%	5.22	3	21.43%	5.22
Administrative	27.41	5.0	1.24%	0.34															
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TOTALS		404.0	100%	\$44.95	14.0	100.00%	\$43.36	180.0	100%	\$43.13	14.0	100%	\$43.36	14.0	100%	\$43.36	14.0	100%	\$43.36



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

2019 PASSAGE Field Elements

LDOT # 19-00268-20-TL

DLZ Job # 1982-2154-00

Work Order # 2019-02

SCOPE OF SERVICES

August 12, 2019

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

IL 59 Corridor

- IL 59 at US 12 (connection of proposed fiber from south to existing PTZ communications cabinet)
- IL 59 at Roberts Rd (Layer 2 Switch, Controller, PTZ, 5,600' of fiber north to IL 59 at US12)
- IL 59 at Essex Rd/Indian Trail Rd (Layer 2 Switch & Controller)
- IL 59 at Kelsey Rd (Layer 2 Switch, Controller, PTZ)
- IL 59 at Miller Rd (Layer 2 Switch, Controller, PTZ)
- IL 59 at IL 22 (Layer 2 Switch, Controller, PTZ)
- IL 59 at Cuba Rd (Layer 2 Switch, Controller, PTZ)

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. Check sight line to maximize visibility of proposed PTZ cameras. 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 8-9-19, 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. **WO# 2019-02 plan sheets and bid documents will be combined into bid documents for WO# 2019-01.** The plan set will include a cover sheet, location map, summary of quantities, signal and cable modification plans, and interconnect plans and schematics, and standard details. The bid documents will be prepared to allow for alternate bids for the 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 PARSONS to obtain the Cabinet Detail 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.

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.

2019 ITS PASSAGE Elements
Scope of Work and Manhour Estimate (WO# 2019-01 & 2019-02)
 Prepared by DLZ Illinois; August 12, 2019

Scope of Work by Task		Manhours
WO# 2019-01	1 Sheridan Rd at Washington Ave	
	Field visit	1
	Modify signal and cable plan (1 location @ 12 hrs)	12
	Quantities/Specifications	1
	Subtotal Task 1	14
	2 IL 173 Corridor	
	Field Visit (8 intersections @ 1hr. and 4000' interconnect)	12
	Modify signal and cable plans (8 locations, Assume 2 need to be redrawn)	108
	Interconnect plan (Includes creating base sheet)	50
	Quantities/Specifications	10
Subtotal Task 2	180	
3 IL 131 at 21st St		
Field visit	1	
Modify signal and cable plan (1 location @ 12 hrs)	12	
Quantities/Specifications	1	
Subtotal Task 3	14	
4 US 41 at Wadsworth Rd		
Field visit	1	
Modify signal and cable plan (1 location @ 12 hrs)	12	
Quantities/Specifications	1	
Subtotal Task 4	14	
5 I-94 at IL 120 (SE Ramp)		
Field visit	1	
Modify signal and cable plan (1 location @ 12 hrs)	12	
Quantities/Specifications	1	
Subtotal Task 5	14	
6 IL 21 at IL 137		
Field visit	1	
Modify signal and cable plan (1 location @ 12 hrs)	12	
Quantities/Specifications	1	
Subtotal Task 6	14	
7 IL 176 at IL 131		
Field visit	1	
Modify signal and cable plan (1 location @ 12 hrs)	12	
Quantities/Specifications	1	
Subtotal Task 7	14	
8 Various (ATSPM)		
Quantities/Specifications	4	
Subtotal Task 8	4	
9 Bid Documents and Utility Coordination		
Cover sheet and location map	10	
Summary of Quantities	20	
Compile project specifications, list of standards, bid forms, etc.	10	
Utility coordination	30	
IDOT Permits Coordination	30	
Subtotal Task 9	100	
10 QA/QC		
Provide QA/QC for project	18	
Subtotal Task 10	18	
11 Project Management		
Project scheduling, invoicing, etc.	18	
Subtotal Task 11	18	
SUBTOTAL MANHOURS TASK 1-11	404	
WO# 2019-02	1 IL 59 Corridor	
	Field Visit (7 intersections @ 1hr. and 5600' interconnect)	11
	Modify signal and cable plans (7 locations, Assume 1 needs to be redrawn)	96
	Interconnect plan (Includes creating base sheet)	50
	Quantities/Specifications	10
	Subtotal Task 1	167
	2 QA/QC	
	Provide QA/QC for project	8
	Subtotal Task 2	8
3 Project Management		
Project scheduling, invoicing, etc.	8	
Subtotal Task 3	8	
SUBTOTAL MANHOURS TASK 1-3	183	
TOTAL MANHOURS	587	

Sheridan Rd at Washington Ave

IL 173 Corridor
 IL 173 at IL 59 w/ 4000' fiber interconnect
 IL 173 at IL 83 (coconnection of interconnect from IL 59)
 IL 173 at Savage Rd
 IL 173 at US 45
 IL 173 at Kilbourne Rd
 IL 173 at Delany Rd
 IL 173 at IL 131
 IL 173 at Kenosha Rd

IL 131 at 21st St

US 41 at Wadsworth Rd

I-94 at IL 120 (SE Ramp)

IL 21 at IL 137

IL 176 at IL 131

IL 176 at IL 131

IL 59 Corridor
 IL 59 at US 12 w/ 5600' fiber interconnect
 IL 59 at Roberts Rd (coconnection of interconnect from IL 59 at US 12)
 IL 59 at Essex Rd/Indian Trail Rd
 IL 59 at Kelsey Rd
 IL 59 at Miller Rd
 IL 59 at IL 22
 IL 59 at Cuba Rd

Lake County PASSAGE NOFO

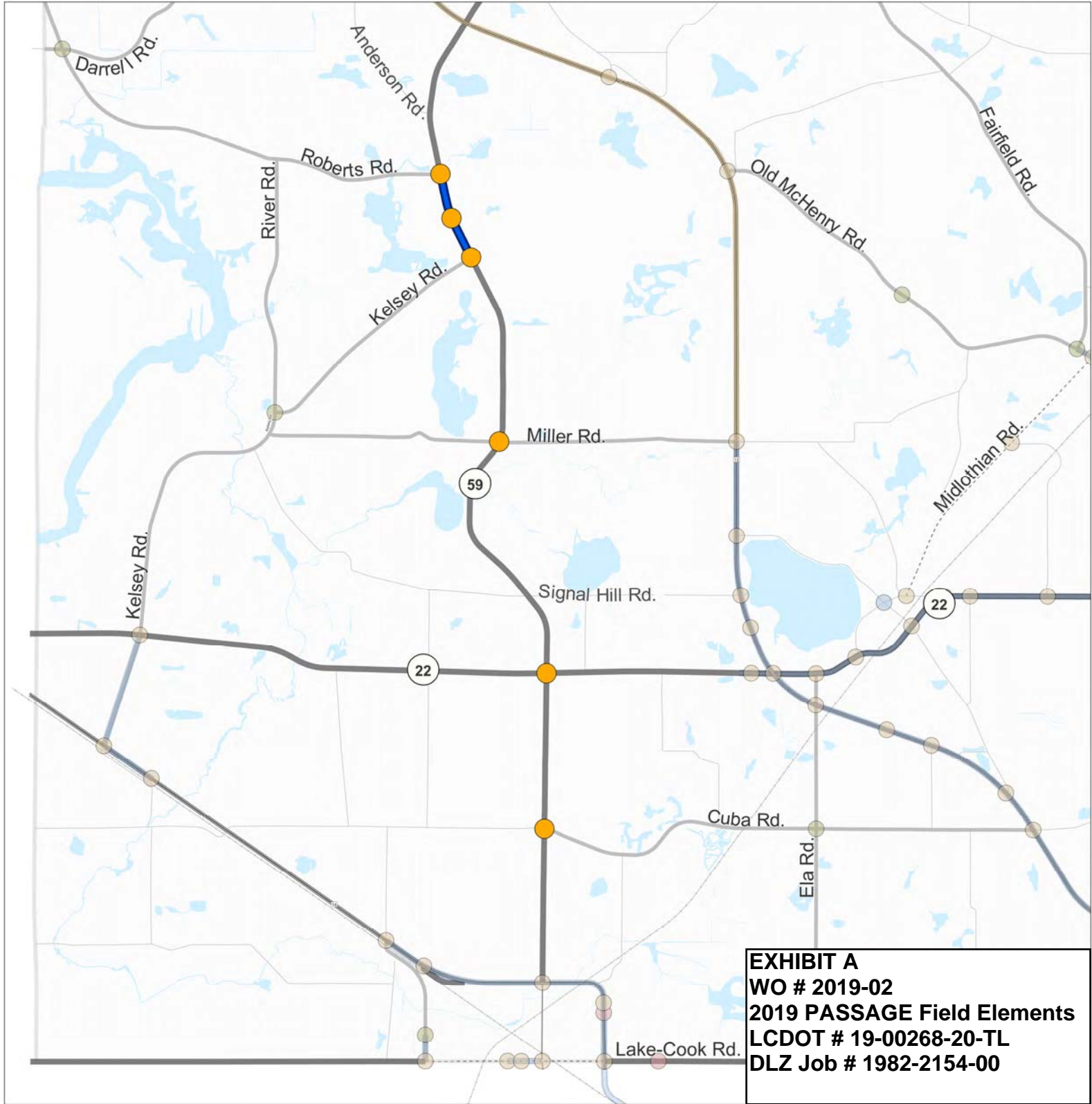


EXHIBIT A
WO # 2019-02
2019 PASSAGE Field Elements
LCDOT # 19-00268-20-TL
DLZ Job # 1982-2154-00

Signals

- LCDOT
- IDOT
- Cook County
- Proposed

Interconnect

- Fiber
- Construction
- Planned
- CMAQ
- - - CMAQ Applied

Daniel Wiktorzak

From: Effinger, Justin <JEffinger@lakecountyil.gov>
Sent: Friday, August 09, 2019 10:51 AM
To: Daniel Wiktorzak; Gregory R Brumm P.E.
Subject: RE: 2019 PASSAGE Field Elements - Notification Letter
Attachments: NOFO 2.pdf

EXTERNAL: Message origin is from an external network. Use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Thank you Dan.

I have a few comments.

Please make off this Task A. We will need a separate Task B, in which the funds will be coming from a state grant. Each task will have to be billed separately.

Task B will incorporate the six traffic signals in the attached map. Please include new fiber from the PTZ camera at US 12/IL 59 to Roberts Rd, then splices and terminations needed at IL 59/Essex/Indian Trail and IL 59/Kelsey. LCDOT will conduct a sight survey to see wireless options at IL 59/Miller, IL 59/IL 22 and IL 59/Cuba. All 6 traffic signals will get a new controller and Layer II switch. All intersections except IL 59/Essex/Indian Trail will get a PTZ camera. One or more may need a cell modem depending on the sight survey.

For field visits in Task A, please check the appropriate location for PTZ to maximize visibility.

We are in the process of checking the hourly rate for someone over \$70/hour, but I thought you could get started on the above items until we get our question answered.

Let me know if you have any questions.

Thank You,

Justin Effinger

From: Daniel Wiktorzak <dwiktorzak@dlz.com>
Sent: Thursday, August 8, 2019 11:04 AM
To: Effinger, Justin <JEffinger@lakecountyil.gov>; Gregory R Brumm P.E. <gbrumm@dlz.com>
Subject: Re: 2019 PASSAGE Field Elements - Notification Letter

Justin,

Attached for your review is the proposed scope and fee for PASSAGE 2019 expansion.

Please let me know if you need anything else.

Thanks,

<p>EXHIBIT A WO # 2019-02 2019 PASSAGE Field Elements LCDOT # 19-00268-20-TL DLZ Job # 1982-2154-00</p>
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PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME DLZ Illinois
 PRIME/SUPPLEMENT Prime
 Prepared By DW

DATE 08/12/19
 PTB-ITEM# PASSAGE 2019
WO# 2019-02

CONTRACT TERM 8 MONTHS
 START DATE 9/1/2019
 RAISE DATE 1/1/2020
 END DATE 4/30/2020

OVERHEAD RATE 159.83%
 COMPLEXITY FACTOR 0
 % OF RAISE 3%

ESCALATION PER YEAR

year	First date	Last date	Months	% of Contract
0	9/1/2019	1/1/2020	4	50.00%
1	1/2/2020	5/1/2020	4	51.50%

The total escalation = 1.50%

PAYROLL RATES

FIRM NAME DLZ Illinois DATE 08/12/19
 PRIME/SUPPLEMENT Prime
 PTB-ITEM # PASSAGE 2019, WO# 2019-02

ESCALATION FACTOR **1.50%**

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

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$70.00	\$71.05
Senior Engr/Civil Engr III	\$52.50	\$53.29
Engineer II	\$45.15	\$45.83
CAD Designer/Tech III	\$24.00	\$24.36
Administrative	\$27.00	\$27.41

AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois
PTB-ITEM# PASSAGE 2019, WO# 2019-02
PRIME/SUPPLEMENT Prime

DATE 08/12/19

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			IL 59 Corridor			QA/QC			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
Principal	71.05	0.0																	
Senior Engr/Civil Engr III	53.29	55.0	30.05%	16.02	47	28.14%	15.00	4	50.00%	26.64	4	50.00%	26.64						
Engineer II	45.83	90.0	49.18%	22.54	83	49.70%	22.78	4	50.00%	22.91	3	37.50%	17.19						
CAD Designer/Tech III	24.36	37.0	20.22%	4.93	37	22.16%	5.40												
Administrative	27.41	1.0	0.55%	0.15							1	12.50%	3.43						
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TOTALS		183.0	100%	\$43.63	167.0	100.00%	\$43.17	8.0	100%	\$49.56	8.0	100%	\$47.25	0.0	0%	\$0.00	0.0	0%	\$0.00



VENDOR DISCLOSURE STATEMENT

Vendor Name:	DLZ Illinois, Inc.		
Address:	8430 West Bryn Mawr, Suite 100 Chicago, Illinois 60631		
Contact Person:	Gregory R Brumm	Contact Phone #:	773-283-2600
Bid/RFP/SOI/Contract/Renewal:	2019 PASSAGE Field Elements		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, or officers of the vendor’s company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, officer, manager, lobbyist, agent, consultant, counsel, subcontractor or corporate entity under the control of the vendor to any county board member, county board chair, or countywide elected official as well as contributions to any political action committees within the last five years.

FAMILIAL RELATIONSHIPS

List below the names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor’s company have a familial relationship and the nature of the relationship. Please attach additional pages as necessary.

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship
N/A	

CAMPAIGN CONTRIBUTIONS

List below the campaign contributions that have been made within the last five years. Please attach additional pages as necessary.

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made
N/A				

Continuing disclosure is required if information changes. This Vendor Disclosure Statement form is available at www.lakecountyil.gov.

The full text of the County’s Ethics and Procurement policies and ordinances are available at www.lakecountyil.gov.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	President
Printed Name:	Gregory R Brumm	Date:	August 12, 2019