DRAFT

Municipality		linois Department of Transportation	co	Name DLZ Illinois, Inc.
Township	A CO	л папэрогацоп	N S U	Address 8430 W. Bryn Mawr Ave.,Ste 100
County Lake County – Division of Transportation		minary Engineering rvices Agreement	L T A N	City Chicago
Section 21-00268-24-TL	C	For lotor Fuel Tax Funds	Т	State Illinois
THIS AGREEMENT is made and enter Agency (LA) and Consultant (ENGINE improvement of the above SECTION. supervision of the State Department of to finance ENGINEERING services as	ER) and covers on Non-Motor Fuel for Transportation,	Tax Funds, allotted to the hereinafter called the "DE	LA, by PARTI	the State of Illinois under the general
		ction Description		
Name 2021 PASSAGE Field Eleme Route Various Length	ents Mi.	FT		(Structure No)
Termini				
Description:				
	Agr	eement Provisions		
he Engineer Agrees,				
To perform or be responsible for the proposed improvements herein because the proposed improvements are the proposed improvements.			g servid	ces for the LA, in connection with the
a. 🛛 Make such detailed survey	s as are necessa	ry for the preparation of d	etailed	roadway plans
 b. Make stream and flood pla of detailed bridge plans. 	in hydraulic surve	eys and gather high water	data, a	nd flood histories for the preparation
	e required to furni	ish sufficient data for the d	design (cluding borings and soil profiles and of the proposed improvement. ents of the DEPARTMENT.
 d. Make or cause to be made furnish sufficient data for the 			l interse	ection studies as may be required to
	e of Water Resoບ	ırces Permit, Bridge wateı		ment Commission Permit, Department tetch, and/or Channel Change sketch,
f. Prepare Preliminary Bridge and high water effects on r			conomi	c analysis of bridge or culvert types)
with one (1) copy of each do	ocument in both l	nardcopy and electronic fo	ormat.	d estimates of cost and furnish the LA Additional copies of any or all ENGINEER's actual cost for
				ay dedications, construction f the corresponding plats and staking
i Π Assist the I Δ in the tabulat	ion and interprets	ation of the contractors' pr	onoeala	

	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.
	I. 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.
Th	ne 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 Under \$50,000 (see note) %
	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
۷.	** percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls.

2. 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 \$74647.45

- 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 centract 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.

Page 3 of 4 BLR 05510 (Rev. 11/06)

IN WITNESS WHEREOF, the parties have caused which shall be considered as an original by their du		EMENT to be executed in quintuplicate counterparts, each of ed officers.
Executed by the LA:		
		County of Lake of the (Municipality/Township/County)
ATTEST:		State of Illinois, acting by and through its
Ву		County Board
Lake County	Clerk	Ву
(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
ATTEST:		Street Address
		City, State
Ву		Ву
Title		Title



2021 PASSAGE Field Elements LDOT # 21-00268-24-TL DLZ Job # 2182-2172-00

SCOPE OF SERVICES

December 15, 2020

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

- Lewis Ave at 21st St
- IL 137 at IL 83
- IL 120 at IL 83
- IL 176 at Main St
- IL 132 at US 41
- IL 132 at Belle Plaine Ave
- IL 132 at IL 131
- IL 134 at Hart Rd

- Hart Rd at Cedar Lake Rd
- IL 134 at Fairfield Rd
- Fairfield Rd at Nippersink Rd
- US 41 at Casimer Pulaski Dr
- IL 83 at Robert Parker Coffin Rd
- Winchester Rd at Technology Way
- US 45 at Grass Lake 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 10-14-20, Exhibit A). The

8619 W Bryn Mawr Ave, Ste 602, Chicago, IL 60631-3538 | OFFICE 773.283.2600 | ONLINE WWW.DLZ.COM

2021 PASSAGE Field Elements LCDOT # 21-00268-24-TL DLZ Job #2182-2172-00 Page 2 of 2

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 biding 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 PARSONS 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.

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.

PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME PRIME/SUPPLEMENT	DLZ Illinois Prime		DATE 12/15/20 PTB NO. 2021 ITS PASSAGE Elements
	CONTRACT TERM START DATE RAISE DATE	6 MONTHS 12/1/2020 1/1/2021	OVERHEAD RATE 160.99% COMPLEXITY FACTOR 0 % OF RAISE 3.00%
		ESCALATION PER YEAR	
	12/1/2020 - 1/1/2021	1/2/2021 - 6/1/2021	
	<u> </u>	5	
	= 16.67% = 1.0250 The total escalation for this p	85.83% project would be:	50%

Bureau of Design and Environment Printed 12/15/2020 10:55 AM

PAYROLL RATES

FIRM NAME PRIME/SUPPLEMENT PSB NO. DLZ Illinois DATE 12/15/20

Prime

2021 ITS PASSAGE Elements

ESCALATION FACTOR

0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$70.00	\$70.00
Senior Engr/Civil Engr III	\$54.10	\$54.10
Engineer II	\$46.50	\$46.50
CAD Designer/Tech III	\$26.00	\$26.00
Administrative	\$28.00	\$28.00
		\$0.00
		\$0.00
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COST PLUS FIXED FEE COST ESTIMATE OF CONSULTANT SERVICES

FIRM DLZ Illinois DATE DF-824-039
REV 12/04

 PSB
 2021 ITS PASSAGE Elements
 OVERHEAD RATE
 1.6099

 PRIME/SUPPLEMENT
 Prime
 COMPLEXITY FACTOR
 0

DBE				OVERHEAD	IN-HOUSE		Outside	SERVICES			% OF
DROP	ITEM	MANHOURS	PAYROLL	&	DIRECT	FIXED	Direct	BY	DBE	TOTAL	GRAND
BOX				FRINGE BENF	COSTS	FEE	Costs	OTHERS	TOTAL		TOTAL
		(A)	(B)	(C)	(D)	(E)	(F)	4	(H)	(B-G)	
	1. Lewis Ave at 21st St	16	687.10	1,106.16	14.00	260.02				2,067.29	2.77%
	2. IL 137 at IL 83	16	687.10	1,106.16	14.00	260.02				2,067.29	2.77%
	3. IL 120 at IL 83	16	687.10	1,106.16	14.00	260.02				2,067.29	2.77%
	4. IL 176 at Main St	16	687.10	1,106.16	14.00	260.02				2,067.29	2.77%
	5. IL 132 at US 41	16	687.10	1,106.16	14.00	260.02				2,067.29	2.779
	6. IL 132 at Belle Plaine Ave	16	687.10	1,106.16	14.00	260.02				2,067.29	2.779
	7. IL 132 at IL 131	16	687.10	1,106.16	14.00	260.02				2,067.29	2.77%
	8. IL 134 at Hart Rd w/ Long Lake/Round Lake Rd Interconnect	84	3,509.10	5,649.30	14.00	1,327.97				10,500.37	14.07%
	9. Hart Rd at Cedar Lake Rd	16	687.10	1,106.16	14.00	260.02				2,067.29	2.779
	10. Fairfield Rd Corridor	113	4,721.00	7,600.34	14.00	1,746.77				14,082.11	18.86%
	11. US 41 at Casimer Pulaski Dr	42	1,736.70	2,795.91	14.00	642.58				5,189.19	6.95%
	12. IL 83 at Robert Parker Coffin Rd	16		1,106.16	14.00	254.23				2,061.49	2.76%
	13. Winchester Rd at Technology Way	16		1,106.16	14.00	254.23				2,061.49	2.769
	14. US 45 at Grass Lake Rd	16		1,106.16	14.00	254.23				2,061.49	2.76%
	15. Bid Documents and Utility Coordination	100	4,905.60	7,897.53		1,815.07	260.00			14,878.20	19.93%
	16. QA/QC	23	1,222.90	1,968.75		452.47				3,644.12	4.889
	17. Project Management	26	1,218.40	1,961.50		450.81				3,630.71	4.869
	Subconsultant DL					0.00				0.00	0.00
	TOTALS	564	24 074 00	40 041 11	196.00		260.00	0.00	0.00		100.009
	TOTALS	564	24,871.80	40,041.11	196.00	9,278.54	260.00	0.00	0.00	74,647.45	

DBE 0.00%

AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois

PSB 2021 ITS PASSAGE Elements

DATE 12/15/20

PRIME/SUPPLEMENT Prime

SHEET 1 OF 3

					1. Lewis Ave at 21st St			2. IL 137 at IL 83 3. IL 120 at IL 83								-					
PAYROLL		TOTAL PRO										0 at IL 83		-	at Main S			2 at US 41			
	HOURLY	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd		
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		
Principal	70.00	5	0.89%	0.62																	
Senior Engr/Civil Eng		228	40.43%	21.87	6	37.50%	20.29	6	37.50%	20.29	6	37.50%	20.29	6	37.50%	20.29	6	37.50%	20.29		
Engineer II	46.50	174	30.85%	14.35	5	31.25%	14.53	5	31.25%	14.53	5	31.25%	14.53	5	31.25%	14.53	5	31.25%	14.53		
CAD Designer/Tech	26.00	150	26.60%	6.91	5	31.25%	8.13	5	31.25%	8.13	5	31.25%	8.13	5	31.25%	8.13	5	31.25%	8.13		
Administrative	28.00	7	1.24%	0.35																	
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TOTALS		564	100%	\$44.10	16	100.00%	\$42.94	16	100%	\$42.94	16	100%	\$42.94	16	100%	\$42.94	16	100%	\$42.94		

2 OF 3

AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois

PSB 2021 ITS PASSAGE Elements DATE 12/15/20

PRIME/SUPPLEMENT Prime
SHEET

PAYROLL	AVG	6. IL 132	at Belle Pla	ine Ave	7. IL 132	at IL 131		8. IL 134	at Hart Rd w	// Long La	9. Hart R	d at Cedar L	ake Rd	10. Fairfi	eld Rd Corri	dor	11. US 41	at Casimer	Pulaski Dr
	HOURLY	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg
Principal	70.00																		
Senior Engr/Civil Eng		6	37.50%	20.29	6	37.50%	20.29	26	30.95%	16.75	6	37.50%	20.29	35	30.97%	16.76	12	28.57%	15.46
Engineer II	46.50	5	31.25%	14.53	5	31.25%	14.53	29	34.52%	16.05	5	31.25%	14.53	39	34.51%	16.05	15	35.71%	16.61
CAD Designer/Tech	26.00	5	31.25%	8.13	5	31.25%	8.13	29	34.52%	8.98	5	31.25%	8.13	39	34.51%	8.97	15	35.71%	9.29
Administrative	28.00																		
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TOTALS		16	100%	\$42.94	16	100%	\$42.94	84	100%	\$41.78	16	100%	\$42.94	113	100%	\$41.78	42	100%	\$41.35

AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois

PSB 2021 ITS PASSAGE Elements DATE 12/15/20

PRIME/SUPPLEMENT Prime

SHEET 3 OF 3

PAYROLL	AVG	12. IL 83 at Robert Parker Coff 13. Winchester Rd at Technolo 14. U			14. US 45	at Grass La	ake Rd	15. Bid D	ocuments a	nd Utility	16. QA/Q	C		17. Project Management					
	HOURLY		%		Hours	%		Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg
Principal	70.00													2	8.70%	6.09	3	11.54%	8.08
Senior Engr/Civil Eng	54.10	6	37.50%		6	37.50%		6	37.50%	20.29	66	66.00%	35.71	14	60.87%	32.93	9	34.62%	18.73
Engineer II	46.50	5	31.25%	14.53	5	31.25%	14.53	5	31.25%	14.53	22	22.00%	10.23	7	30.43%	14.15	7	26.92%	12.52
CAD Designer/Tech	26.00	5	31.25%	8.13	5	31.25%	8.13	5	31.25%	8.13	12	12.00%	3.12						
Administrative	28.00																7	26.92%	7.54
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TOTALS		16	100%	\$42.94	16	100%	\$42.94	16	100%	\$42.94	100	100%	\$49.06	23	100%	\$53.17	26	100%	\$46.86



COMPANY NAME: DLZ Illnois

PTB NUMBER: 21-00268-24-TL (2021 ITS PASSAGE Elements)

TODAY'S DATE: 12/15/2020

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
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		300	\$0.58	\$174.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00	\$0.00
Vehicle Rental	Actual cost (Up to \$55/day)			\$0.00	\$0.00
Tolls	Actual cost		1	\$22.00	\$22.00
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)		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)			\$0.00	\$0.00
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
Printing/Copying 11x17 (blac & white)	Actual cost (Nequires 2-5 quotes with 1501 approval)		2,000	\$0.10	\$200.00
			0		\$0.00
Printing/Copying 22x34 (blac & white)	Actual cost		U	\$3.00 \$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	\$0.00
				\$0.00	\$0.00
TOTAL DIRECT COS	ase add in the above spaces provided				\$456.00

^{*}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

PRINTED 12/15/2020 BDE 436 (Rev. 09/30/13)

2021 ITS PASSAGE Elements Scope of Work and Manhour Estimate Prepared by DLZ Illinois; December 15, 2020

1 Lewis Ave at 21st St Field visit	
Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	1
2 4 422 4 4 22	
2 IL 137 at IL 83 Field visit	
Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	
ubtotal Task 2	:
3 IL 120 at IL 83	
Field visit Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	
subtotal Task 3	
4 IL 176 at Main St	
Field visit	
Modify signal and cable plan (1 location @ 14 hrs) Quantities/Specifications	:
Subtotal Task 4	
5 IL 132 at US 41	
Field visit	
Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	
6 IL 132 at Belle Plaine Ave	
Field visit Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	
ubtotal Task 6	
7 IL 132 at IL 131	
Field visit	
Modify signal and cable plan (1 location @ 14 hrs)	
Quantities/Specifications	
8 IL 134 at Hart Rd w/ Long Lake/Round Lake Rd Interconnect	
Field Visit (1 intersections @ 1hr. and 4000' interconnect) Modify signal and cable plans (1 location, Assume 1 need to be redrawn)	
Interconnect plan (Includes creating base sheet)	
Quantities/Specifications	
ubtotal Task 8	
9 Hart Rd at Cedar Lake Rd Field visit Modify signal and cable plan (1 location @ 14 hrs)	
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Location	Notes	PTZ	Layer 2 Switch	Conduit	Hand holes	Fiber + Tracer	Cell Modem	PTP Radio	Wireless Radio	Camera Mtg Assy	Maint. of TS	Controller	Term/ Splice	ONC	Modify Cabinet	M/C	TC&P
Lewis/21st	New PTZ	1								1	1			200	1		1
IL137/IL 83	New PTZ, Wireless P2P	1	1					2		1	1			600	1	·	1
IL 176/Main	Wireless/New PTZ	1	1						2	1	1	1		400	1	·	1
IL 132 (Belle Plaine to 41)	IL 132 (Belle Plaine to US 41 - 2 PTZs on at US 41/IL 132), New controller	2	2					4		2	3	1		600	1	·	1
IL 134/Hart	Wireless to Cedar Lake/Hart, New PTZ/controllers	1	1					2		1	2	1		600	1	·	1
IL 134/Fairfield	IL 134/Farifield to IL 134/Hart - Fiber, new PTZ/controller	1	1	4200	8	4440				1	1	1		200	1	·	1
Fairfield/Nippersink	Farifield/Nippersink to IL 134/Fairfield - Fiber			5900	10	6200					1				1	·	1
US 41/Pulaski	US 41/Pulaski - Fiber (short run) w/CCTV cabinet	1	1	200		230				1	1			200	1	·	1
IL 83/Robert Parker Coffin	New PTZ	1	1							1	1		12	200	1	1	1
Winchester/Technology	New PTZ	1	1							1	1			200	1		1
US 45/Grass Lake	New PTZ	1	1				1			1	1			200	1	<u> </u>	1

EXHIBIT A
2021 PASSAGE Field Elements
LCDOT # 21-00268-24-TL
DLZ Job # 2082-2172-00