

**SCOPE OF ENGINEERING SERVICES  
LAKE COUNTY DIVISION OF TRANSPORTATION  
WADSWORTH ROAD AT LEWIS AVENUE  
Phase II – Supplement #3**

This supplement is as a result of delays in acquiring the necessary land for the project. The scope items in this supplement include updates to the plans and specifications for Contract Package 1, Wadsworth Road & Lewis Avenue east leg intersection improvements, and the performance of other services as defined that are necessary to prepare the project for a construction letting in April 2024.

**Task 1 – Coordination**

This scope includes coordination with the Lake County Division of Transportation, Lake County Stormwater Management Commission, IDOT Local Roads, CMAP, and utility companies. Once all parcels have been acquired, the team will work with IDOT to get them certified prior to the construction letting date. Coordination activities include coordination material preparation and attendance of up to 7 virtual meetings and 1 in-person meeting.

**Task 2 – Aviation Services**

RS&H will prepare a resubmittal of the FAA 7460 Obstruction Evaluation/Airport Airspace Analysis to process the one-time extension of the OE Determination. This includes the resubmittal of the following 7460 studies:

- 2021-AGL-25344: Proposed Signal – SW Corner
- 2021-AGL-25345: Proposed Signal – NW Corner
- 2021-AGL-25347: Proposed Signal – SE Corner
- 2021-AGL-25348: Temporary Signal – NW Corner
- 2021-AGL-25349: Temporary Signal – SW Corner
- 2021-AGL-25350: Temporary Signal – SE Corner
- 2021-AGL-25351: Temporary Signal – NE Corner
- 2021-AGL-25351: Intersection – Wadsworth & Lewis
- 2021-AGL-25351: Project Limit – Wadsworth
- 2021-AGL-25351: Project Limit – Lewis

**Task 3 – Environmental Services**

To address the expiring clearances and environmental studies, the following scope will be performed:

- Addendum ESR #2 – The team will prepare and submit the addendum to IDOT to renew the biological/natural resources clearance. It is assumed that all trees identified for removal will be removed under a separate LCDOT contract and that there is no additional work required regarding the Northern Long Eared Bat.
- LCSMC Permit – Due to the required new wetland delineations, coordination will be required with LCSMC to update the permit and ensure that it will be valid for the new anticipated construction period.

Extensions are not an option for the following, so the following scope of work will need to be completed:

- New Wetland Delineations including record and document review, on site investigations, boundary survey, and the preparation of a wetland report. This will also include a Jurisdictional Determination (JD) with USACE including coordination with LCSMC to perform the JD request.

- Special Waste / PESA - The original PESA was completed in June 2016. Per IDOT BLRS Manual, PESAs require validation once 180 days have lapsed and a new PESA is required after 3 years have lapsed. Historical research, site evaluation, and records reviews will be performed and documented in a PESA report.
- Special Waste / PSI - A new PSI will be prepared based on the results of the PESA findings. This will include soil sampling, analysis, and the preparation of a PSI report. LPC forms will be completed for inclusion in the contract documents. It is assumed that contract document updates may be required to account for new pay items, quantities, and specifications. Additionally, this scope will include garnering pre-certification for soil disposal at CCDD/landfill locations.

#### Task 4 – Construction Document Preparation

Construction Package 1 construction documents will be prepared for a resubmittal of the Pre-Final plans, specifications, and estimates to IDOT per the BLRS Letting schedule. This will include updating the contract documents to utilize the latest standards and pay items, while also incorporating the findings of the PESA/PSI. The limits of classified soils, if applicable, will be added to the plans. Comments will be incorporated, and Final plans prepared for submittal to IDOT and LCDOT. With the environmental scope, it is anticipated that minor changes to the plans may be required to account for new pay items or quantities.

#### Task 5 – Quality Management

This task includes quality management reviews for the additional scope, changed scope items, and deliverables as noted above. RS&H will follow procedures outlined in the Quality Management Plan. All major submittals will follow internal technical reviews, and the project manager will review progress with respect to budget and schedule at least monthly to ensure that the project remains on track.

#### Task 6 – Administration

The RS&H team will undertake all other administrative duties necessary to support the successful completion of the above tasks. This work will include:

- General Project Management duties including Project Officer over site
- Writing and filing project correspondence including phone memos, meeting minutes, etc.
- Monitoring project schedule and budget, and preparing monthly invoices and progress reports for submission to the Lake County Division of Transportation Project Manager

#### ASSUMPTIONS

1. LCDOT/IDOT are responsible for the preparation of bidding documents.
2. LCDOT is responsible for fees associated with any permit applications.
3. LCDOT will coordinate with CMAP regarding scope/schedule revisions and any required preparation of forms for transmittal. RS&H to support this effort by providing exhibits and/or estimates.
4. This scope does not include the preparation of any documents, or the performance of any coordination associated with Construction Package 2, west leg of Wadsworth Road at Lewis Avenue.
5. It is assumed that no Special Waste/Hazardous Waste materials are located within the project limits.
6. This scope does not include any efforts for the 10 parcels with temporary easements or support for the acquisition of Parcel 0003. Should the property owner change or the easement expire, additional work would be considered out of scope.
7. RS&H is not to provide any Phase III support for Construction Package 1 under this contract. If required, it will be negotiated as a separate contract during the construction phase.
8. This scope does not include the complete resubmittal of FAA 7460, should the expiration date pass and an extension not be accepted. That work would be considered supplemental and will need to be negotiated separately.

**WORKHOURS AND DIRECT COSTS  
LAKE COUNTY DIVISION OF TRANSPORTATION  
WADSWORTH ROAD AT LEWIS AVENUE  
Phase II – Supplement #3**

**1. Coordination**

a. Coordination with LCDOT – Plus up to 3 virtual meetings and 1 in-person meeting	60
b. Coordination with LCSMC – Plus up to 1 virtual meeting	12
c. Coordination with Beach Park	16
d. Coordination with IDOT at Pre-Final and Final Submittals – Up to 2 virtual meetings	16
e. Coordination with IDOT for Land Acquisition Certification	4
f. Coordination with CMAP – 4 Quarterly CMAQ Funding Updates	10
g. Utility Coordination – Plus up to 1 virtual meeting	32

**WORKHOURS 150**

**DIRECT COST – MILEAGE \$87.77**

**2. Aviation Services**

a. Prepare Ten 7460 OE Clearance Extensions	40
b. FAA/IDOT/Airport Coordination	16

**WORKHOURS 56**

**3. Environmental**

a. Addendum ESR #2	8
b. Wetland Delineations/Impact Evaluation	8
c. Jurisdictional Determination	8
d. PESA/PSI Evaluation – Prepare supporting documents for PESA/PSI	32
e. PESA/PSI Coordination	12
f. LPC Forms	8
g. LCSMC Permit Extension	4
h. Pre-certification for soil disposal at CCDD/Landfill locations	16

**WORKHOURS 96**

**SUBCONSULTANT WORKHOURS – HUFF & HUFF, INC. 243**

**SUBCONSULTANT DIRECT COSTS – HUFF & HUFF, INC. \$16,045**

**4. Construction Document Preparation – Construction Package 1**

a. Update Pre-Final Plans with latest standards/pay items & incorporate PSI findings	80
b. Prepare Pre-Final Specs	32
c. Prepare Pre-Final Quantities & Estimates	24
d. Prepare Pre-Final Local Agency Cost Participation	4
e. Review & Address IDOT/LCDOT Pre-Final Comments	24
f. Prepare Final Plans	40
g. Prepare Final Specs	16
h. Prepare Final Quantities & Estimates	16
i. Prepare Final Local Agency Cost Participation	4

**WORKHOURS 240**

**SUBCONSULTANT WORKHOURS – DLZ 120**

#### 5. Quality Management

<b>WORKHOURS (4%)</b>	<b>22</b>
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#### 6. Administration

<b>WORKHOURS (4%)</b>	<b>22</b>
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<b>TOTAL WORKHOURS – RS&amp;H</b>	<b>584</b>
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<b>TOTAL DIRECT COSTS – RS&amp;H</b>	<b>\$87.77</b>
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<b>TOTAL WORKHOURS – HUFF &amp; HUFF</b>	<b>243</b>
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<b>TOTAL DIRECT COSTS – HUFF &amp; HUFF</b>	<b>\$16,045</b>
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<b>TOTAL WORKHOURS – DLZ</b>	<b>120</b>
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<b>Local Public Agency</b> Lake County Division of Transportation	<b>County</b> Lake	<b>Section Number</b> 13-00055-06-WR
<b>Prime Consultant (Firm) Name</b> RS&H, Inc.	<b>Prepared By</b> Arielle Malinowski	<b>Date</b> 2/3/2023
<b>Consultant / Subconsultant Name</b>  	<b>Job Number</b> C-91-126-18	

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

**Remarks**

### PAYROLL ESCALATION TABLE

<b>CONTRACT TERM</b>	11	MONTHS			<b>OVERHEAD RATE</b>	178.83%
<b>START DATE</b>	2/1/2023				<b>COMPLEXITY FACTOR</b>	0
<b>RAISE DATE</b>	6/3/2023				<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	12/31/2023					

### ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	2/1/2023	6/3/2023	4	36.36%
1	6/4/2023	1/3/2024	7	64.91%

The total escalation = 1.27%

Lake County Division of Transportation

Lake

13-00055-06-WR
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**C-91-126-18**

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

ESCALATION FACTOR	1.27%
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[illegible]

<b>Local Public Agency</b>	<b>County</b>	<b>Section Number</b>
Lake County Division of Transportation	Lake	13-00055-06-WR
<b>Consultant / Subconsultant Name</b>		<b>Job Number</b>
		C-91-126-18

## SUBCONSULTANTS

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

[illegible]

<b>Total</b>	<b>15,182.00</b>	<b>1,518.20</b>
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**NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.**

**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number**

13-00055-06-WR

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

C-91-126-18

**DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

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

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	134	\$0.66	\$87.77
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$87.77</b>



**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number**

13-00055-06-WR

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

C-91-126-18

**COST ESTIMATE WORKSHEET**

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

OVERHEAD RATE **178.83%**COMPLEXITY FACTOR **0**

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Coordination	88	150	10,531	18,833	3,475		32,839	17.67%
Aviation Services		56	3,919	7,009	1,293		12,221	6.58%
Environmental		96	5,674	10,146	1,872	58,214	75,906	40.85%
Construction Documents		240	11,345	20,289	3,744	18,716	54,094	29.11%
Quality Management		22	1,540	2,754	508		4,802	2.58%
Administration		22	1,390	2,486	459		4,335	2.33%
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			-	-	-		-	
Subconsultant DL							\$1,518.20	0.82%
Direct Costs Total ==>	\$87.77						<b>\$87.77</b>	0.05%
TOTALS		586	34,399	61,517	11,351	76,930	185,803	99.95%

95,916

**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number**

13-00055-06-WR

**Consultant / Subconsultant Name**

**Job Number**

C-91-126-18

**AVERAGE HOURLY PROJECT RATES**

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

**SHEET** 1 **OF** 2

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Coordination			Aviation Services			Environmental			Construction Documents			Quality 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	78.00	46.0	7.85%	6.12	46	30.67%	23.92												
Engineer V	78.00	82.0	13.99%	10.91	46	30.67%	23.92				16	16.67%	13.00	6	2.50%	1.95			
Engineer IV	69.99	176.0	30.03%	21.02	34	22.67%	15.86	56	100.00%	69.99	40	41.67%	29.16	24	10.00%	7.00	22	100.00%	69.99
Engineer III	50.75	40.0	6.83%	3.46										40	16.67%	8.46			
Engineer II	40.65	126.0	21.50%	8.74	24	16.00%	6.50				40	41.67%	16.94	62	25.83%	10.50			
Engineer I	34.65	46.0	7.85%	2.72										46	19.17%	6.64			
Technician/Designer IV	49.25	62.0	10.58%	5.21										62	25.83%	12.72			
Admin Assistant IV	37.30	8.0	1.37%	0.51															
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<b>TOTALS</b>		586.0	100%	\$58.70	150.0	100.00%	\$70.21	56.0	100%	\$69.99	96.0	100%	\$59.10	240.0	100%	\$47.27	22.0	100%	\$69.99

## Lake County Division of Transportation

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Lake
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13-00055-06-WR

**C-91-126-18**

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

**SHEET 2 OF 2**

## PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME DLZ Illinois  
PRIME/SUPPLEMENT Supplement #4 (Wadsworth @  
Prepared By DLZ

DATE 12/16/22  
PTB-ITEM# 0

CONTRACT TERM 12 MONTHS  
START DATE 1/1/2023  
RAISE DATE 1/1/2024  
  
END DATE 12/31/2023

OVERHEAD RATE 165.55%  
COMPLEXITY FACTOR 0  
% OF RAISE 3%

### ESCALATION PER YEAR

year	First date	Last date	Months	% of Contract
0	1/1/2023	12/31/2023	12	100.00%

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The total escalation = 0.00%

## PAYROLL RATES

FIRM NAME DLZ Illinois DATE 12/16/22  
PRIME/SUPPLEMENT Supplement #4 (Wadsworth @ Lewis)  
PTB-ITEM # 0

ESCALATION FACTOR 0.00%

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

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$78.00	\$78.00
Civil Engineer IV	\$64.08	\$64.08
Civil Engineer II	\$53.58	\$53.58
Technician II	\$29.71	\$29.71

Bureau of Design and Environment  
Prepared By: Consultant  
**DATE** 12/16/22

0

**DBE 0.00%**

# AVERAGE HOURLY PROJECT RATES

FIRM DLZ Illinois  
PTB-ITEM# 0  
PRIME/SUPPLEMENT Supplement #4 (Wadsworth @ Lewis)

DATE 12/16/22

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Traffic Signal & Inter. Update														
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Principal	78.00	0.0																	
Civil Engineer IV	64.08	45.0	37.50%	24.03	45	37.50%	24.03												
Civil Engineer II	53.58	45.0	37.50%	20.09	45	37.50%	20.09												
Technician II	29.71	30.0	25.00%	7.43	30	25.00%	7.43												
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TOTALS		120.0	100%	\$51.55	120.0	100.00%	\$51.55	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

<b>Local Public Agency</b> Lake County Division of Transportation	<b>County</b> Lake	<b>Section Number</b> 
<b>Prime Consultant (Firm) Name</b> RS&H	<b>Prepared By</b> H&H	<b>Date</b> 12/8/2022
<b>Consultant / Subconsultant Name</b> Huff & Huff, Inc., a subsidiary of GZA	<b>Job Number</b> 	

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

**Remarks**

### PAYROLL ESCALATION TABLE

<b>CONTRACT TERM</b>	12	<b>MONTHS</b>			<b>OVERHEAD RATE</b>	190.00%
<b>START DATE</b>	1/1/2023				<b>COMPLEXITY FACTOR</b>	0.035
<b>RAISE DATE</b>	3/1/2023				<b>% OF RAISE</b>	2.00%
<b>END DATE</b>	12/31/2023					

### ESCALATION PER YEAR

Year	First Date	Last Date	Months	%	of Contract
0	1/1/2023	3/1/2023	2	16.67%	
1	3/2/2023	1/1/2024	10	85.00%	

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**The total escalation = 1.67%**



**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number****Consultant / Subconsultant Name**

Huff &amp; Huff, Inc., a subsidiary of GZA

**Job Number****DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.  
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	600	\$0.63	\$375.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	20	\$3.00	\$60.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	0	\$3,200.00	\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)	30	\$490.00	\$14,700.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Database Package	Actual Cost	1	\$450.00	\$450.00
Field Kit Expendible Materials	Daily Rate	2	\$30.00	\$60.00
PID/GPS to locate borings	Daily Rate	2	\$200.00	\$400.00
Driller	Daily Rate (SEE SERVICES BY OTHERS SHEET)	0	\$3,200.00	\$0.00
<b>TOTAL DIRECT COSTS:</b>				<b>\$16,045.00</b>

 BLR 05514 (Rev. 11/04/22)  
 DIRECT COSTS

Lake County Division of Transportation

Lake

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Huff & Huff, Inc., a subsidiary of GZA

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

<b>COMPLEXITY FACTOR</b>	<b>0.035</b>
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26,086

COST EST

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET1OF2

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Wetland Delineation			Wetland Report			PESA			PSI			QA		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Associate Principal III	77.97	0.0																	
Associate Principal II	70.91	11.0	4.53%	3.21							2	3.70%	2.63	1	0.89%	0.63	6	40.00%	28.37
Associate Principal I	64.98	10.0	4.12%	2.67							2	3.70%	2.41	3	2.68%	1.74	4	26.67%	17.33
Seniort Consultant II	78.00	0.0																	
Senior Consultant I	44.54	0.0																	
Senior Project Manager III	67.21	0.0																	
Senior Project Manager II	54.71	0.0																	
Senior Project Manager I	51.67	2.0	0.82%	0.43													2	13.33%	6.89
Senior Landscape Architect	58.18	0.0																	
Senior Planning PM	54.87	3.0	1.23%	0.68													3	20.00%	10.97
Senior Technical Specialist I	51.45	0.0																	
Senior Scientist PM II	54.61	4.0	1.65%	0.90				4	10.00%	5.46									
Senior Technical Scientist	51.98	0.0																	
Scientist PM II	49.19	0.0																	
Scientist PM I	42.70	1.0	0.41%	0.18															
Assistant PM Scientist	35.67	100.0	41.15%	14.68	15	93.75%	33.45	30	75.00%	26.76				54	48.21%	17.20			
Environmental Engineer PM I	46.98	0.0																	
Geotechnical Engineer PM I	43.86	0.0																	
Architect PM	49.37	0.0																	
Assistant PM Engineert I	42.72	0.0																	
Engineer II	29.70	18.0	7.41%	2.20										18	16.07%	4.77			
Engineer I	32.70	66.0	27.16%	8.88							42	77.78%	25.43	24	21.43%	7.01			
Scientist E1	30.25	0.0																	
Technical Graphics Technician	25.57	22.0	9.05%	2.31	1	6.25%	1.60	6	15.00%	3.84	5	9.26%	2.37	10	8.93%	2.28			
Administrative Manager	47.42	1.0	0.41%	0.20							1	1.85%	0.88						
Senior Administrative Assistant	33.36	5.0	2.06%	0.69							2	3.70%	1.24	2	1.79%	0.60			
Lead Word Processor	41.13	0.0																	
TOTALS		243.0	100%	\$37.02	16.0	100.00%	\$35.04	40.0	100%	\$36.05	54.0	100%	\$34.94	112.0	100%	\$34.23	15.0	100%	\$63.55

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

Consultant / Subconsultant Name

Huff & Huff, Inc., a subsidiary of GZA

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET2OF2

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	Project Administration																	
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Associate Principal III	77.97																		
Associate Principal II	70.91	2	33.33%	23.64															
Associate Principal I	64.98	1	16.67%	10.83															
Seniort Consultant II	78.00																		
Senior Consultant I	44.54																		
Senior Project Manager III	67.21																		
Senior Project Manager II	54.71																		
Senior Project Manager I	51.67																		
Senior Landscape Architect	58.18																		
Senior Planning PM	54.87																		
Senior Technical Specialist I	51.45																		
Senior Scientist PM II	54.61																		
Senior Technical Scientist	51.98																		
Scientist PM II	49.19																		
Scientist PM I	42.70	1	16.67%	7.12															
Assistant PM Scientist	35.67	1	16.67%	5.95															
Environmental Engineer PM I	46.98																		
Geotechnical Engineer PM I	43.86																		
Architect PM	49.37																		
Assistant PM Engineert I	42.72																		
Engineer II	29.70																		
Engineer I	32.70																		
Scientist E1	30.25																		
Technical Graphics Technician	25.57																		
Administrative Manager	47.42																		
Senior Administrative Assistant	33.36	1	16.67%	5.56															
Lead Word Processor	41.13																		
TOTALS		6.0	100%	\$53.09	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

**HUFF & HUFF, INC.**  
**SUMMARY OF SERVICES BY OTHERS**  
#REF!

				<u><b>OUTSIDE</b></u>
<b><i>Task 4 - PSI</i></b>				
Traffic Control and Protection	2	x	\$ 3,200.00	= \$ 6,400.00
<u>Driller</u>	2	x	\$ 3,200.00	= \$ 6,400.00
<b>Task Total</b>				<b>\$ 12,800.00</b>

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**GRAND TOTAL      \$ 12,800.00**

F:\Proposal-FY2023\RS&H\[RSH Lewis at Wadsworth 12-16-2022 UPDATED Services by Others.xls]Services by Others