

## ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval  
of Change in Consultant Contract

Date: 4/9/2020

Local Agency: LAKE COUNTY

Request: No. 1

Name: Wadsworth Rod at Lewis Ave.

To: Lake County Division of Transportation

Section: 13-00055-06-WR

Consultant: RS&amp;H

I recommend that an addition be made to the above consultant contract.

The estimated work is listed below

Original contract amount for services described:	\$498,506.90
---	--------------

Sum of all previous contract change orders:	\$0.00
--	--------

Item #	Description	Additions	Deductions
1	Additional scope for plan updates and ongoing coordination with the FAA/IDOT DOA	\$101,448.00	
TOTALS		\$101,448.00	\$0.00
NET CHANGE		\$101,448.00	\$0.00

Net ADDITION change to date \$101,448.00 which is 20.350 % of the original contract amount for services described

State fully the nature and reason for change:

Revised contract amount for services described:	\$599,954.90
--	--------------

Please see attached.

When the net increase or decrease in the cost of the contract is \$10,000 or more, or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

XXX The undersigned determined that the circumstances which necessitated this change were not reasonably foreseeable at the time the contract was signed.

\_\_\_\_\_ The undersigned has determined that the change is germane to the original contract as signed.

\_\_\_\_\_ The undersigned determined that this change is in the best interest of the local agency and is authorized by law.

Project Manager/Engineer [Signature] Date 4/9/2020

Department Head \_\_\_\_\_ Date \_\_\_\_\_

Chief Accounting Specialist \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_ Date \_\_\_\_\_

County Engineer





2580 Foxfield Rd, Suite 301  
St. Charles, IL 60174

630-505-1991  
[rsandh.com](http://rsandh.com)

April 8, 2020

Thomas Somodji, PE  
Project Manager  
Lake County Division of Transportation

Dear Mr. Somodji,

We are appreciative for the opportunity to provide additional services for the Wadsworth Road at Lewis Avenue Phase II project and have enclosed for your review our proposal documents, including the following:

- Scope of Services
- Tasks, Manhours, and Direct Costs
- CECS Form
- Subconsultants CECS Forms

Please feel free to call or email if you have any questions, comments, or require additional information.

Sincerely,  
RS&H, Inc.

A handwritten signature in black ink, appearing to read 'J. Shaw'.

James Shaw, PE  
Vice President, Transportation-Infrastructure

**WADSWORTH ROAD AT LEWIS AVENUE  
PHASE II ENGINEERING SERVICES**

**PREPARED FOR  
LAKE COUNTY DIVISION OF TRANSPORTATION**

**SCOPE OF SERVICES**

**APRIL 8, 2020**



**SCOPE OF ENGINEERING SERVICES  
LAKE COUNTY DIVISION OF TRANSPORTATION  
WADSWORTH ROAD AT LEWIS AVENUE  
Phase II – Supplement #1**

The scope items in this supplement include updates to plans and specifications to meet IDOT standards as well as additional coordination and Runway Protection Zone resubmittals for FAA/IDOT Division of Aeronautics coordination. Also included are administrative, coordination, and meetings ancillary to the additional scope.

**Task 1 – Meetings**

Due to additional needs required by the FAA, IDOT Division of Aeronautics, and Waukegan Port District to process the project, additional meetings are required. Additionally, coordination will be required with the Village of Beach park for their cost participation in the project. RS&H will continue the coordination with these agencies. Project coordination meetings with the Lake County Division of Transportation will take place following each submittal. RS&H will conduct coordination meetings with local agencies and stakeholders as appropriate. Coordination activities includes the materials preparation and attendance for up to 8 meetings.

**Task 2 – Survey**

The RS&H team will perform work associated with requesting and reviewing 12 additional title commitments than were originally scoped, due to the extension of the project limits for the multi-use path, change in parcel ownership in what were previously contiguous sections, and the Waukegan National Airport property, which is not a contiguous parcel, but rather comprised of numerous smaller parcels. This also includes coordination with IDOT and LCDOT for plats and legal description coordination.

**Task 3 – Land/Right-of-Way (ROW) Acquisition Services**

The RS&H team will perform all necessary services in preparation of appraisals and review appraisals and the negotiation of the acquisitions of necessary properties required for the completion of the Project. The initial scope included an estimate for the number of additional parcels due to the inclusion of the multi-use path extension into the project limits based on parcel data available at the time. This scope is for 2 additional projected parcels of right-of-way due to the change in parcel ownership in what were previously contiguous sections. All services will be performed at the direction of the LCDOT. This includes up to 46 hours of preparation of a Concurrent Use Agreement with the airport for the proposed temporary and permanent easements on airport property.

**Task 4 – Aviation Services**

To date RS&H has had extensive coordination with the FAA, IDOT Division of Aeronautics, and the Waukegan Port District including the preparation of multiple analysis, memorandums of understanding, and alternative studies, including RPZ Studies with design alternatives minimizing impacts to the runway protection zone and 7460 Analyses for proposed vertical clearances to airport surfaces. RS&H will continue coordination with these agencies. The following tasks are included:

- Resubmittal of the Runway Protection Zone Study addressing FAA/IDOT comments
- Resubmittal of the 7460 Airspace Clearance Study
- Coordination activities for approval of the above items

**Task 5 – Environmental**

Due to the timing of airport coordination activities, RS&H will prepare an Addendum Environmental Survey Request for submittal to IDOT to update the expired environmental clearances.

#### Task 6 – Construction Document Preparation

RS&H was originally contracted to prepare all documents to meet LCDOT CAD, plan, and specification standards, however IDOT no longer accepts formats differing from their standards. RS&H will update the construction documents that were previously prepared to meet IDOT Standards for future submittals. Work will include the following changes:

- Update all sheet borders, line styles, and text styles to IDOT standard.
- Update all standard LCDOT general notes to meet IDOT general note requirements.
- Update project specifications to meet IDOT formatting and standards.

#### Task 7 – 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 8 – 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 will prepare bidding documents.
2. Waukegan National Airport will assist in the preparation of the Concurrent Use Agreement. Fees associated with the Concurrent Use Agreement will be the responsibility of the Airport or the County.

**WADSWORTH ROAD AT LEWIS AVENUE  
PHASE II ENGINEERING SERVICES**

**PREPARED FOR  
LAKE COUNTY DIVISION OF TRANSPORTATION**

**TASK, WORKHOUR, AND DIRECT COSTS**

**APRIL 8, 2020**





2580 Foxfield Rd  
Suite 301  
St. Charles, IL 60174

630-505-1991  
[rsandh.com](http://rsandh.com)

**WORKHOURS AND DIRECT COSTS  
LAKE COUNTY DIVISION OF TRANSPORTATION  
WADSWORTH ROAD AT LEWIS AVENUE  
Phase II – Supplement #1**

**1. Meetings**

a. Meetings with Lake County/Agencies – Up to 8 (2 staff, 4 hrs + 4 hrs prep)	128
TOTAL WORKHOURS	128

Mileage to Lake County DOT 6 trips @ 120miles/round trip = 720 miles @\$0.545/mile	\$392
ESTIMATED DIRECT COSTS	\$392

**2. Survey**

a. Subconsultant/IDOT/LCDOT Coordination	8
TOTAL WORKHOURS	8
TOTAL WORKHOURS – SUBCONSULTANT (SERVICES BY EDI)	38

ESTIMATED DIRECT COSTS – SUBCONSULTANT (SERVICES BY EDI)	\$6,720
--	---------

**3. Land/ROW Acquisition Services**

a. Subconsultant/IDOT/LCDOT Coordination	8
b. Concurrent Use Agreement Preparation	30
TOTAL WORKHOURS	38
TOTAL WORKHOURS – SUBCONSULTANT (SERVICES BY SANTACRUZ)	\$14,000

ESTIMATED DIRECT COSTS – SUBCONSULTANTS (SERVICES BY SANTACRUZ)	\$1,000
---	---------

**4. Aviation Services**

a. Runway Protection Zone Study Resubmittal	24
b. 7460 Resubmittal	40
c. Additional Coordination	24
TOTAL WORKHOURS	88

**5. Environmental**

a. Prepare Addendum to ESR	12
TOTAL WORKHOURS	12

**6. Construction Documents**

a. Update PS&E to IDOT Federal Letting Requirements.	180
TOTAL WORKHOURS	180

**7. Quality Management**

TOTAL WORKHOURS (4%)	18
----------------------	----

**8. Administration**

TOTAL WORKHOURS (4%)	18
----------------------	----

**WADSWORTH ROAD AT LEWIS AVENUE  
PHASE II ENGINEERING SERVICES**

**PREPARED FOR  
LAKE COUNTY DIVISION OF TRANSPORTATION**

**CECS  
RS&H**

**APRIL 8, 2020**





## PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME RS&H, Inc.  
PRIME/SUPPLEMENT Supplement  
Prepared By Arielle Malinowski

DATE 04/09/20  
PTB-ITEM# 0

CONTRACT TERM 20 MONTHS  
START DATE 5/1/2020  
RAISE DATE 4/25/2021  
  
END DATE 12/31/2021

OVERHEAD RATE 178.83%  
COMPLEXITY FACTOR 0  
% OF RAISE 3%

### ESCALATION PER YEAR

year	First date	Last date	Months	% of Contract
0	5/1/2020	4/25/2021	12	60.00%
1	4/26/2021	12/25/2021	8	41.20%

---

The total escalation = 1.20%

## PAYROLL RATES

PTB-ITEM #

**Q**

**04/09/20**

**1.20%**

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

Principal	\$98.80	\$99.99
Engineer V	\$82.99	\$83.99
Engineer IV	\$65.45	\$66.24
Engineer III	\$47.80	\$48.37
Engineer II	\$34.61	\$35.03
Engineer I	\$29.03	\$29.38
Technician/Designer IV	\$41.88	\$42.38
Admin Assistant IV	\$29.73	\$30.09

## Subconsultants

FIRM NAME	RS&H, Inc.
PRIME/SUPPLEMENT	Supplement
PTB-ITEM #	0

DATE 04/09/20

NAME	Direct Labor Total	Contribution to Prime Consultant
EDI	1,494.00	149.40
Santacruz	14,000.00	1,400.00
Total	15,494.00	1,549.40

## COST PLUS FIXED FEE COST ESTIMATE OF CONSULTANT SERVICES

**FIRM** RS&H, Inc.  
**PTB-ITEM #** 0  
**PRIME/SUPPLEMENT** Supplement

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

**DATE** 04/09/20

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENF (C)	DIRECT COSTS (D)	FIXED FEE (E)	SERVICES BY OTHERS (G)	DBE TOTAL (H)	TOTAL (B-G)	% OF GRAND TOTAL
	Meetings	128	6,657	11,905	392	2,463		-	21,417	21.11%
	Survey	8	473	847		175	10,867	-	12,362	12.19%
	Land/ROW Acquisition	38	1,881	3,365		696	15,000	-	20,942	20.64%
	Aviation Services	88	3,747	6,701		1,386		-	11,834	11.67%
	Environmental	12	624	1,115		231		-	1,970	1.94%
	Construction Documents	180	7,753	13,865		2,869		-	24,487	24.14%
	Quality Management	18	1,160	2,074		429		-	3,663	3.61%
	Administration	18	1,021	1,825		378		-	3,224	3.18%
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
			-	-		-		-	-	
	Subconsultant DL					1,549			1,549	1.53%
	<b>TOTALS</b>	490	23,316	41,697	392	10,176	25,867	-	101,448	100.00%

65,013

**DBE 0.00%**

## AVERAGE HOURLY PROJECT RATES

**FIRM** RS&H, Inc.  
**PTB-ITEM#** 0  
**PRIME/SUPPLEMENT** Supplement

**DATE** 04/09/20

**SHEET** 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Meetings			Survey			Land/ROW Acquisition			Aviation Services			Environmental		
		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	70.00	72.0	14.69%	10.29	40	31.25%	21.88	4	50.00%	35.00	2	5.26%	3.68	4	4.55%	3.18			
Engineer V	70.00	6.0	1.22%	0.86													2	16.67%	11.67
Engineer IV	60.00	30.0	6.12%	3.67										4	4.55%	2.73			
Engineer III	48.37	186.0	37.96%	18.36	56	43.75%	21.16	4	50.00%	24.19	36	94.74%	45.83	32	36.36%	17.59	10	83.33%	40.31
Engineer II	35.03	50.0	10.20%	3.57										20	22.73%	7.96			
Engineer I	29.38	62.0	12.65%	3.72	16	12.50%	3.67							16	18.18%	5.34			
Technician/Designer IV	42.38	78.0	15.92%	6.75	16	12.50%	5.30							12	13.64%	5.78			
Admin Assistant IV	30.09	6.0	1.22%	0.37															
		0.0																	
<b>TOTALS</b>		490.0	100%	\$47.58	128.0	100.00%	\$52.01	8.0	100%	\$59.19	38.0	100%	\$49.51	88.0	100%	\$42.58	12.0	100%	\$51.98



## AVERAGE HOURLY PROJECT RATES

**FIRM** RS&H, Inc.  
**PTB-ITEM#** 0  
**PRIME/SUPPLEMENT** Supplement

**DATE** 04/09/20

**SHEET** 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Construction Documents			Quality Management			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
Principal	70.00	2	1.11%	0.78	8	44.44%	31.11	12	66.67%	46.67									
Engineer V	70.00	4	2.22%	1.56															
Engineer IV	60.00	16	8.89%	5.33	10	55.56%	33.33												
Engineer III	48.37	48	26.67%	12.90															
Engineer II	35.03	30	16.67%	5.84															
Engineer I	29.38	30	16.67%	4.90															
Technician/Designer IV	42.38	50	27.78%	11.77															
Admin Assistant IV	30.09							6	33.33%	10.03									
<b>TOTALS</b>		180.0	100%	\$43.07	18.0	100%	\$64.44	18.0	100%	\$56.70	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

BDE 436 (Rev. 02/02/17)

**WADSWORTH ROAD AT LEWIS AVENUE  
PHASE II ENGINEERING SERVICES**

**PREPARED FOR  
LAKE COUNTY DIVISION OF TRANSPORTATION**

**CECS - SUBCONSULTANT  
ENVIRONMENTAL DESIGN INTERNATIONAL, INC.**

**OCTOBER 7, 2019**



FIRM NAME	PRIME/SUPPLEMENT
Environmental Design International inc.	Supplement

OVERHEAD RATE	140.53%
COMPLEXITY FACTOR	0
% OF RAISE	3.00%

[illegible]

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

Bureau of Design and  
Environment (Rev. 11/19/15)

# PAYROLL RATES

FIRM NAME Environmental Design Inc DATE 10/04/19  
 PRIME/SUPPLEMENT Supplement  
 PSB NO. LCDOT

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principal	\$70.00	\$70.00
Senior Consulting Engineer	\$66.50	\$66.50
Surveyor III	\$55.50	\$55.50
Surveyor II	\$43.50	\$43.50
Surveyor I	\$36.13	\$36.13
Survey Crew Chief	\$30.42	\$30.42
Instrument Person	\$19.81	\$19.81
Engineer III	\$57.95	\$57.95
Engineer I	\$30.50	\$30.50
Engineer Intern	\$15.00	\$15.00
Inspector IV	\$53.50	\$53.50
Inspector III	\$43.50	\$43.50
Inspector II	\$41.50	\$41.50
Inspector I	\$23.38	\$23.38
Environmental Scientist III	\$55.63	\$55.63
Environmental Scientist II	\$31.00	\$31.00
Environmental Scientist I	\$22.60	\$22.60
Environmental Technician	\$16.25	\$16.25
Environmental Engineer III	\$50.75	\$50.75
Environmental Engineer II	\$43.30	\$43.30
Industrial Hygienist III	\$59.50	\$59.50
Industrial Hygienist II	\$30.17	\$30.17
Industrial Hygienist I	\$21.60	\$21.60
CADD Technician	\$28.50	\$28.50
Admin Support III	\$70.00	\$70.00
Admin Support II	\$39.75	\$39.75
Admin Support I	\$22.83	\$22.83
Clerical	\$15.25	\$15.25





# AVERAGE HOURLY PROJECT RATES

**FIRM** Environmental Design International inc.  
**PSB** LCDOT  
**PRIME/SUPPLEMENT** Supplement

DATE 10/04/19

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Title Work & Research														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00	0																	
Senior Consulting En	66.50	0																	
Surveyor III	55.50	4	10.53%	5.84	4	10.53%	5.84												
Surveyor II	43.50	24	63.16%	27.47	24	63.16%	27.47												
Surveyor I	36.13	0																	
Survey Crew Chief	30.42	0																	
Instrument Person	19.81	0																	
Engineer III	57.95	0																	
Engineer I	30.50	0																	
Engineer Intern	15.00	0																	
Inspector IV	53.50	0																	
Inspector III	43.50	0																	
Inspector II	41.50	0																	
Inspector I	23.38	0																	
Environmental Scien	55.63	0																	
Environmental Scien	31.00	0																	
Environmental Scien	22.60	0																	
Environmental Techn	16.25	0																	
Environmental Engin	50.75	0																	
Environmental Engin	43.30	0																	
Industrial Hygienist II	59.50	0																	
Industrial Hygienist II	30.17	0																	
Industrial Hygienist I	21.60	0																	
CADD Technician	28.50	0																	
Admin Support III	70.00	0																	
Admin Support II	39.75	0																	
Admin Support I	22.83	10	26.32%	6.01	10	26.32%	6.01												
Clerical	15.25	0																	
<b>TOTALS</b>		38	100%	\$39.32	38	100.00%	\$39.32	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

BDE 436 (Rev. 09/30/13)

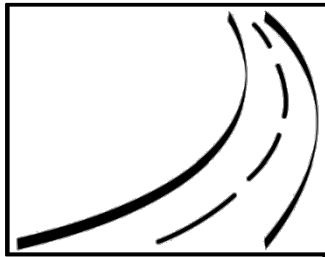
**WADSWORTH ROAD AT LEWIS AVENUE  
PHASE II ENGINEERING SERVICES**

**PREPARED FOR  
LAKE COUNTY DIVISION OF TRANSPORTATION**

**CECS - SUBCONSULTANT  
SANTACRUZ LAND ACQUISITIONS**

**OCTOBER 7, 2019**





## SUMMARY

---

Santacruz Land Acquisitions has provided a proposal (the "Proposal") for the benefit of the Lake County Division of Transportation, the Local Public Agency ("LPA"), for land acquisition services necessary to complete the reconstruction of the intersection of Wadsworth Road and Lewis Avenue (the "Project"). The Proposal was provided to RS&H, Engineer for the LPA, ("Consultant"). Since the original proposal was provided, revisions have been made to the Project necessitating a change to the Proposal.

## COMPENSATION

Santacruz Land Acquisitions shall be entitled to the compensation as shown on the attached schedule. Our cost proposal, based on **two (2) additional** projected parcels of right-of-way, is as follows:

<b><u>APPRAISALS:</u></b>	<b>\$6,000.00.</b>
<b><u>REVIEW APPRAISALS:</u></b>	<b>\$2,600.00.</b>
<b><u>NEGOTIATIONS:</u></b>	<b>\$5,400.00.</b>

As directed, Santacruz Land Acquisitions shall invoice the LPA or Consultant for any fees and charges related to the acquisitions including, without limitation, (i) the cost of the later date title commitments, (ii) the cost of title insurance policies obtained on the parcels to be acquired, (iii) the cost of recording any necessary documents to complete the conveyance and obtain clear title, (iv) lender's fees related to the processing of any partial releases needed to provide clear title, and (v) land trustee processing fees. Santacruz Land Acquisitions shall include **\$500.00** per parcel for these charges. Santacruz Land Acquisitions shall pay any such fees and charges in excess of the **\$500.00** per parcel allowance for which Santacruz Land Acquisitions shall be entitled to additional compensation in the amount of any such payments pursuant to a separate work order issued.

Based on the above, the *additional* land acquisition negotiation services provided herein are offered a cost not to exceed of **\$15,000.00** as follows:

Land Acquisition Services	<b>\$14,000.00</b>
Direct Billable Expenses	<b>\$1,000.00</b>



# Compensation for Services

## Appraisal Services

Appraisals	\$3,000.00
------------	------------

## Review Appraisal Services

Review Appraisals	\$1,300.00
-------------------	------------

## Negotiation Services

Negotiation and acquisition services for Right of Way including, without limitation, documentation of conveyance of property interest	\$2,700.00
--	------------