

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Consultant Contract

Date: 10/5/2016

Local Agency: LAKE COUNTY

Request: No. 2

Name: Hart Road at US Route 14 (Northwest Highway) Intersection Improvement

To: Lake County Division of Transportation

Section: 09-00174-05-CH

Consultant: TranSystems Corporation

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

The estimated work is listed below

Original contract amount for services described:	\$927,604.31
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Sum of all previous contract change orders:	\$119,832.67
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Item #	Description	Additions	Deductions
1	Plat revisions for 2 parcels for changes in right-of-way and easements requested through property owner negotiations	\$4,177.57	
2	Revised PESA and updated wetland delineations for expiration	\$8,791.18	
TOTALS		\$12,968.75	\$0.00
NET CHANGE		\$12,968.75	\$0.00

Net ADDITION change to date \$132,801.42 which is 14.32 % of the original contract amount for services described

State fully the nature and reason for change:

Revised contract amount for services described:	\$1,060,405.73
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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.

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

The undersigned determined that the circumstances which necessitated this change were not within the contemplation of the contract as signed.

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

Consultant [Signature] Date 10/6/16

Project Manager/Engineer [Signature] Date 10/6/16

Department Head [Signature] Date 10/7/16

Chief Accounting Specialist [Signature] Date 10/10/16

Approved _____ Date _____
County Engineer



JORGENSEN & ASSOCIATES, INC.
LAND SURVEYORS
Est. 1990

September 24, 2016

Mr. Joseph W. Cwynar, P.E.
TranSystems Corporation
1475 East Woodfield Road
Suite 600
Schaumburg, Illinois 60173-5440

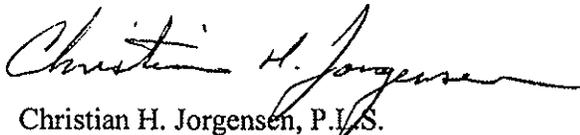
Re: Hart Road at U.S. Route 14 Second Supplemental Survey Proposal

Dear Mr. Cwynar:

Enclosed, please find our second supplemental proposal to revise 2 parcels, revise 9 sheets, revise 3 legal descriptions, prepare 3 new legal descriptions, monument 7 additional proposed R.O.W. corners and remove 3 monuments for the existing land acquisition project, as contained in your email of September 23rd.

Should you have any questions, comments or require any further information concerning our proposal, please feel free to call me at (847)356-3371.

Respectfully submitted,
Jorgensen & Associates, Inc.



Christian H. Jorgensen, P.L.S.
President

CHJ/pt

Enclosures

E:\TranSystems\US 14^{2nd} Supplement\Letter

Route: Hart Road
Section: @ U.S. Route 14
County: Lake
Job No.:

Exhibit "A"

Payroll Burden & Fringe Costs

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act _____	11.37%
State Unemployment Compensation _____	0.97%
Federal Unemployment Compensation _____	0.11%
Workmen's Compensation Insurance _____	0.96%
Paid Holidays, Vacation, Sick Leave, Personal Leave _____	10.79%
Bonus _____	7.01%
Pension _____	0.93%
Group Insurance _____	<u>35.63%</u>
Total Payroll Burden & Fringe Costs	67.77%

Route: Hart Road
Section: @ U.S. Route 14
County: Lake
Job No.:

Exhibit "B"

Overhead and Indirect Costs

	<u>% of Direct Productive Payroll</u>
Business Insurance _____	4.48%
Depreciation _____	12.02%
Indirect wages and salaries _____	38.85%
Reproductive and printing costs _____	0.18%
Office Supplies _____	3.57%
Computer Costs _____	1.98%
Professional Fees _____	2.54%
Telephone _____	1.85%
Fees, license & dues _____	0.98%
Repairs and maintenance _____	0.96%
Business space rent _____	4.92%
Facilities - capital _____	0.66%
Travel - Meals _____	0.08%
Survey Supplies _____	2.80%
Automobile/travel expense _____	1.45%
Miscellaneous Expense _____	0.31%
State Income Tax _____	1.05%
Postage _____	0.20%
Educational & Professional Registrations _____	<u>0.05%</u>
Total Overhead	78.93%

**PAYROLL ESCALATION TABLE
FIXED RAISES**

**FIRM NAME
PRIME/SUPPLEMENT**

Jorgensen & Associates, Inc.
Prime

DATE 09/24/16
PTB NO. _____

CONTRACT TERM
START DATE 10/1/2016
RAISE DATE 4/1/2017

MONTHS 12
OVERHEAD RATE 146.70%
COMPLEXITY FACTOR
% OF RAISE 3.00%

ESCALATION PER YEAR

10/1/2016 - 4/1/2017
6
12

4/2/2017 - 10/1/2017
6
12

= 50.00%
= 1.0150

51.50%

1.50%

The total escalation for this project would be:

Route: Hart Road
 Section: @ U.S. Route 14
 County: Lake
 Job No.:

**Supplemental
 Manhour Breakdown
 Land Acquisition Estimate**

Length of Project

Hart Road	=	<u>+ 3,500'</u>	=	<u>+ 0.663 mile</u>
U.S. Route 14	=	<u>+ 3,800'</u>	=	<u>+ 0.720 mile</u>
 Total Length	=	 <u>+ 7,300'</u>	=	 <u>+ 1.383 miles</u>

2 Revised Parcels: 1 Fee Simple, Permanent Easement-A & B & Temporary Easement and 1 Fee Simple & Temporary Easement-A & B

- | | | | |
|----|--|---|--------------------|
| 1. | Pre-Survey Phase
Research available records | | |
| | a. Title Co. |) | |
| | |) | |
| | b. Recorder's Office |) | |
| | |) | |
| | c. I.D.O.T. |) | |
| | |) | |
| | d. Utilities |) | |
| | |) | |
| | e. Private Surveyors |) | |
| | |) | |
| | f. Land Owners |) | <u>0 MH</u> |
| | | | Sub-total Item # 1 |
| | | | 0 MH |
| 2. | Reconnaissance Survey | | 0 MH |

3.	Project Survey Plan		<u>± 2,640'/sheet</u>	
	a.	Alignment info)	
)	
	b.	Existing R.O.W. info)	
)	
	c.	Land line data)	
)	
	d.	Subdivision data)	<u>0 MH</u>
			Sub-total Item #3	0 MH
4.	First Submittal Plat of Highways & Descriptions			
	a.	Ownership info)	
)	
	b.	Total holding boundaries)	
)	
	c.	Total holding area listing)	1 MH
)	
	d.	Private survey info)	
)	
	e.	Deed calculated closures)	
)	
	f.	Mark up existing plat of highways – 9 sheets		3 MH
	g.	Layout and drafting – 7 sheets		
		6 hours x 1 man =		6 MH
		Total Holding sheets - 2 sheets		
		1 hour x 1 man =		1 MH
	h.	Legal descriptions	6 descriptions	<u>3 MH</u>
			Sub-total Item #4	14 MH

5.	Survey (Field)		
	a.	Monument center line alignments at 100 foot intervals	
	b.	Reference center line alignments	
	c.	Measure existing R.O.W., property & section lines	
	d.	Appraisal topography	
	e.	Monument & tie proposed right of way 10 hours x 2 men =	<u>20 MH</u>
		Sub-total Item #5	20 MH
6.	Survey (Office)		
	a.	Compute traverse	
	b.	Compute existing R.O.W., property & section lines	
	c.	Compile appraisal topography	
	d.	Compute center line alignment	
	e.	Compute proposed right of way 2 hours x 1 man =	<u>2 MH</u>
		Sub-total Item #6	2 MH
7.	Final Submittal Plat of Highways & Descriptions		
	a.	Final drafting \pm 9 sheets 2 hours x 1 man =	2 MH
	b.	Final descriptions 9 descriptions	1 MH
	c.	Prepare and Record Monument Records	
	d.	Assembly of final papers & delivery	<u>2 MH</u>
		Sub-total Item #7	5 MH

8.	Coordination Meetings	
9.	QC/QA	
a.	Check preliminary plats 9 sheets	3 MH
b.	Check preliminary legal descriptions 6 legal descriptions	1 MH
c.	Check final plats 9 sheets	1 MH
d.	Check final legal descriptions 6 legal descriptions	<u>1 MH</u>
	Total All Items	47 MH

Route: Hart Road
Section: @ U.S. Route 14
County: Lake
Job No.:

**Breakdown of
In House Direct Costs**

Item

4. First Submittal Plat of Highways & Descriptions

a. Plat of Highways Mylars
9 sheets @ \$5.00/sheet = \$ 45.00

5. Survey (Field)

a. Trips to project site – 2 ea.
± 50 miles/trip x 2 trips = ± 100 miles
± 100 miles @ \$0.54/mile = \$ 54.00

7. Final Submittal Plat of Highways & Descriptions

a. Trips to District One office – 1 ea.
± 60 miles/trip x 1 trip = ± 60 miles
± 60 miles @ \$0.54/mile = \$ 32.40

Total All Items \$ 131.40



A Subsidiary of GZA

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT

915 Harger Road
Suite 330
Oak Brook, IL 60523
T: 630.684.9100
F: 630.684.9120
www.huffnhuff.com
www.gza.com



October 4, 2016

Mr. Joseph W. Cwynar, P.E.
Project Manager
TranSystems Corporation
1475 Woodfield Road, Suite 600
Schaumburg, Illinois 60173-5058

**Re: Phase II Environmental Services – PESA and Wetlands Supplement
Hart Road at US 14 Intersection Improvement Project
Barrington and Barrington Hills, Cook County, Illinois
Proposal No. 81.PT00095.17**

Dear Mr. Cwynar:

Huff & Huff, Inc., a subsidiary of GZA GeoEnvironmental, Inc. (H&H) is pleased to submit this supplemental proposal to TranSystems Corporation (Client) to conduct a Preliminary Environmental Site Assessment (PESA) and supplemental wetland services for the above referenced project.

1. PROJECT BACKGROUND

The Lake County Division of Transportation (LCDOT) is proposing roadway improvements at the intersection of Hart Road and U.S. Route 14 (US 14) in the Villages of Barrington and Barrington Hills, Lake County, Illinois. The project extends along the north and south sides of US 14 between North 20th Street to Western Avenue, along the north side of US 14 between Western Avenue and Cumnor Avenue, and along both sides of Hart Road extending south from West Taylor Road past US 14 extending southeast for approximately 1,700 feet. Existing land use within the project limits is residential, commercial, and open undeveloped land.

H&H completed a PESA for this project in June 2010. Due to the age of this document, Client has requested that H&H provide this supplemental scope and fee to conduct a new PESA prior to engaging in Preliminary Site Investigation (PSI) activities per the scope and fee documented in the February 27, 2012 Proposal No. T12-021. This proposal presents our project approach, the scope of services, cost, and schedule for completing the project.

2. SCOPE OF SERVICES

Regarding contract T12-021 (Phase 2), H&H is requesting that direct cost funds originally allocated for coordination, insurance, permits, and flagger services for work within the railroad right-of-way (RR ROW), be partially transferred to funds available for labor. Borings originally intended for completion within the RR ROW are now proposed for completion outside of the RR ROW, within the IDOT ROW.

Outside direct costs for this activity were originally identified at \$5,050.00 and we are requesting that \$4,500.00 be transferred to labor to be utilized within the PSI task. The



remaining \$550.00 is intended for IDOT permitting costs related to submitting and obtaining a permit for work within IDOT ROW. This includes direct costs anticipated to be incurred by the drilling subcontractor related to bonding requirements above the originally identified drilling costs. This would be a zero-sum change to this contract value.

Task 1 – Preliminary Environmental Site Assessment (PESA)

Illinois Department of Transportation (IDOT) performs PESAs for state-jurisdiction roadways, H&H will conduct a PESA for non-IDOT jurisdiction routes. The process will follow general protocols contained within:

- A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation (IDOT) Highway Projects (Erdmann et al., 2012)
- ASTM International (ASTM) standard 1527-13
- The IDOTs Bureau of Design and Environment (BDE) Procedure Memorandum Number 10-07, *Special Waste Procedures*. This memo was incorporated into Chapter 27-3 of the IDOT BDE Manual in June 2012.
- IDOT Bureau of Local Roads and Streets (BLRS) Manual, Chapter 20-12, *Special Waste*, July 2013.
- Public Act 96-1416
- Clean Construction or Demolition Debris Fill Operations (CCDD) and Uncontaminated Soil Fill Operations: Amendments to 35 Illinois Administrative Code 1100. Effective on August 27, 2012.

A. Historical Research

The site's historical land use/ownership record will be developed from standard historical sources. Historic aerial photographs will be reviewed to identify land use over time and potential areas of environmental concern, such as areas of surface disturbance and outside storage.

B. Site Evaluation

Current environmental features and conditions of sites adjacent to the right-of-way/project area will be evaluated. A site walkover of potential right-of-way/project areas designated for excavation and/or acquisition will be conducted for first-hand evaluation of current environmental conditions within the project limits. All the features and conditions listed above will be investigated and, as appropriate, documented in photographs. The land-use and housekeeping practices of adjacent properties also will be evaluated in accordance with ASTM protocols.

C. Records Review

A records review will be conducted to determine potential environmental concerns within the study area. It will include a search of standard state and federal environmental record databases in accordance with the specifications of ASTM standards. This search is based on the outline of the study area.

Specifically, Consultant will search each database to identify any potential sources requiring further investigation. As appropriate, Freedom of Information Act (FOIA) requests will be filed with the IEPA to obtain additional data pertaining to identified sites.

D. Report Preparation

One report summarizing the results of the evaluation will be prepared. The following information will be included in this report:



- a) The project location and description
- b) Historical uses of corridor.
- c) The area geology and hydrology.
- d) The environmental status of sites adjacent to the corridor regarding chemical use and storage, underground and aboveground storage tanks, solid waste, special waste, and hazardous waste, and PCBs.
- e) An analysis of the site inspection.
- f) A summary of the findings regarding any environmental concerns. This will include IDOT's per Memo 66-10 and identification of Potentially Impacted Properties (PIPs) per Subpart F, Section 1100, 35 IAC, related to Clean Construction Demolition Debris management.

The findings contained in the original, 2010 PESA indicated that one (1) site presents a MODERATE risk and three (3) sites present a HIGH risk of encountering contamination and subsurface sampling was recommended to address potential impacts from the following identified sites:

Site Name	Address	Risk
Brian's Cleaners	720 West Northwest Highway	HIGH
AT&T	101 Hart Road	MODERATE
Wickstrom Lincoln Mercury	660 West Northwest Highway	HIGH
Union Pacific Railroad	Parallel to the south side of US 14	HIGH

It should be noted that if the findings of the PESA indicate that additional PIPs exist, the scope of the PSI presented in the original February 27, 2012 proposal may require adjustment to account for the newly identified PIPs.

Task 2 – Supplemental Wetland Delineation and Permitting Services

The following summarizes the out-of-scope work conducted for this project, for which H&H is requesting a supplement. This work was not covered in the Proposal No. T12-021 contract or the original Phase I contract which was executed in 2008 or the Supplement to Phase 2 (Proposal #81.PW00047.15).

The additional services were required as the original delineation conducted in 2009 for this project expired in 2015. H&H is required to conduct a wetland delineation update for the entire project.

Task 3 – QA/QC

Time under this task includes QA/QC time for the PESA report as described above.

3. PROJECT COSTS

The project costs for the proposed tasks are included on the attached spreadsheets.



4. LEVEL OF EFFORT AND SCHEDULE

PESA work will commence within 10 business days of project approval, with a target completion date of six weeks from the date of approval and the PSI will require an additional six weeks after completion of the PESA.

5. TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

CONDITIONS OF ENGAGEMENT

The conditions of engagement are described in the attached Terms and Conditions for Professional Services. H&H's report will be prepared on behalf of and for the exclusive use of Client. Client acknowledges and agrees that the report and the findings in the report shall not, in whole or in part, be disseminated or conveyed to any other party, or used or relied upon by any other party, in whole or in part, except for the specific purpose and to the specific parties alluded to above, without the written consent of H&H. H&H would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

ACCEPTANCE

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to H&H. Issuance of a Purchase Order implicitly acknowledges acceptance of this proposal. This proposal is valid for a period of 30 days from the date of issue.

We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-9100 with any questions.

Very truly yours,

Huff & Huff, Inc.

Jeremy J. Reynolds, P.G.
Associate Principal

Attachments: Terms and Conditions

This Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of _____.

By: _____

Title: _____

Printed/Typed Name: _____

Date: _____



Payroll Escalation Table
Fixed Raises

FIRM NAME Huff & Huff, Inc.
PRIME/SUPPLEMENT TransSystems

DATE 10/4/2016
PTB NO. _____

CONTRACT TERM 18 MONTHS
START DATE 10/10/2016
RAISE DATE 3/1/2017

OVERHEAD RATE 171.26%
COMPLEXITY FACTOR 0
% OF RAISE 3.00%

ESCALATION PER YEAR

10/10/2016 - 3/1/2017
5
18

3/2/2017 - 3/1/2018
12
18

3/2/2018 - 4/1/2018
1
18

= 27.78%
= 1.0234

66.67%

5.89%

The total escalation for this project would be:

2.34%



**Illinois Department
of Transportation**

**Cost Estimate of
Consultant Services
(CPFF)**

Firm Huff & Huff, Inc.
 Route Hart Road @ US 14
 Section 08-00084-00-PV
 County Lake
 Job No. _____
 PTB & Item _____

Date 10/4/2016
 Overhead Rate 171.26%
 Complexity Factor 0

Item	Manhours	Payroll	Overhead & Fringe Benefits	In-House Direct Costs	Fixed Fee	Outside Direct Costs	Services By Others	Total	% of Grand Total
PESA	43	1,402.94	2,402.67	58.50	560.30	270.00	0.00	4,694.40	53.40%
Supplemental Wetland Delineation and Permitting Services	31	1,134.98	1,943.77	39.40	452.13	0.00	0.00	3,570.29	40.61%
QA/QC	3	169.51	290.31	0.00	66.67	0.00	0.00	526.50	5.99%
Contract T12-021 PSI Task zero-Net Change	36	1,442.54	2,470.50	17.09	569.87	0.00	-4,500.00	0.00	0.00%
TOTALS	113	4,149.97	7,107.25	114.99	1,648.97	270.00	-4,500.00	8,791.18	100.00%

Method of Compensation:

- Cost Plus Fixed Fee 1
- Cost Plus Fixed Fee 2
- Cost Plus Fixed Fee 3
- Specific Rate
- Lump Sum

HUFF & HUFF, INC.
SUMMARY OF INHOUSE DIRECT COSTS
 Project: TranSystems Hart Road PESA

						<u>DIRECT</u>
Task 1 - PESA						
Trips - Company	65 miles	x	1 x	\$ 0.54	= \$	35.10
Reproduction	3 sets	x	150 x	\$ 0.03	= \$	13.50
Color copies	3 sets	x	10 x	\$ 0.11	= \$	3.30
Photo sheets	3 sets	x	10 x	\$ 0.22	= \$	6.60
			0 x	\$ -	= \$	-
<hr/>						
Task Total						\$ 58.50
 Task 2 - Supplemental Wetland Delineation and Permitting Services						
Trips - Company	60 miles	x	1 x	\$ 0.54	= \$	32.40
Reproduction	2 sets	x	25 x	\$ 0.03	= \$	1.50
Color copies	2 sets	x	25 x	\$ 0.11	= \$	5.50
<hr/>						
Task Total						\$ 39.40
 Task 3 - QAQC						
<hr/>			0 x	\$ -	= \$	-
<hr/>						
Task Total						\$ -
 Contract T12-021 PSI Task net-zero change						
Trips - Company	0 miles	x	0 x	\$ 0.54	= \$	-
Tolls			0 x	\$ 1.50	= \$	-
Parking			0 x	\$ 5.00	= \$	-
Reproduction	sets	x	0 x	\$ 0.03	= \$	-
Color copies	sets	x	0 x	\$ 0.11	= \$	-
Photo sheets	sets	x	0 x	\$ 0.22	= \$	-
CAD Plots			0 x	\$ 1.85	= \$	-
<hr/>			0 x	\$ -	= \$	-
<hr/>						
Task Total						\$ -
<hr/>						
GRAND TOTAL						\$ 97.90

HUFF & HUFF, INC.
SUMMARY OF OUTSIDE DIRECT COSTS
 Project: TranSystems Hart Road PESA

					<u>OUTSIDE</u>
Task 1 - PESA					
Maps/Aerials	x	\$ 90.00	=	\$	-
Federal Express	1 x	\$ 20.00	=	\$	20.00
Records Search	1 x	\$ 250.00	=	\$	250.00
	0 x	\$ -	=	\$	-
		Task Total		\$	270.00
 Task 2 - Supplemental Wetland Delineation and Permitting Services					
	0 x	\$ -	=	\$	-
		Task Total		\$	-
 Task 3 - QAQC					
	0 x	\$ -	=	\$	-
		Task Total		\$	-
 Contract T12-021 PSI Task net-zero change					
Federal Express	1 x	\$ 17.09	=	\$	17.09
	0 x	\$ -	=	\$	-
		Task Total		\$	17.09
 GRAND TOTAL					\$ 287.09

HUFF & HUFF, INC.
SUMMARY OF SERVICES BY OTHERS
 Project: TranSystems Hart Road PESA

OUTSIDE

Task 1 - PESA

	0 x	\$	-	=	\$	-
					Task Total	\$ -

Task 2 - Supplemental Wetland Delineation and Permitting Services

	0 x	\$	-	=	\$	-
					Task Total	\$ -

Task 3 - QAQC

	0 x	\$	-	=	\$	-
					Task Total	\$ -

Contract T12-021 PSI Task net-zero change

Railroad Permit/Flagger/Insuranc	1 x	\$	(4,500.00)	=	\$	(4,500.00)
	0 x	\$	-	=	\$	-
					Task Total	\$ (4,500.00)

GRAND TOTAL \$ (4,500.00)