

Martin G. Buehler, P.E. Director of Transportation/County Engineer

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Illinois Route 120 Corridor Feasibility Study LCDOT Change Order No. 1

TO:

Public Works and Transportation Committee

Financial Administrative Committee

FROM:

Martin G. Buehler County Engineer **Committee Action Meeting Date** 

**DATE:** November 10, 2009 **DATE:** November 10, 2009

SUBJECT:

Change Order No. 1

Section No. 06-00274-00-ES

Joint Committee action item approving Change Order No. 1 consisting of an increase of \$99,220.06 for additions to the IL Rte. 120 Corridor Feasibility Study's Engineering Services, designated as Section No. 06-00274-00-ES.

- IL Rte. 120 Corridor Feasibility Study Engineering Services: LCDOT Change Order No. 1
- Change Orders need to be approved by the standing committees for cumulative net increases over 10%.
- The IL Rte. 120 Corridor Feasibility Study project is under contract with Transystems, in the amount of \$865,439.29.
- Additional engineering services are being requested for several revisions to the original scope of work as detailed in the attached Supplement No. 1.

Summary:

Original awarded contract:

\$865,439.29

Change Order No. 1:

\$ 99,220.06

Sum of all changes:

\$ 99,220.06

### ILLINOIS DEPARTMENT OF TRANSPORTATION

# Request for Approval of Change in Consultant Contract

Date:	11/10/2009	Local Agency:	LAKE COU	NTY	
Request:	No. 1	Name:	IL Rte. 120	Corridor Feasibility Study	
To:	Department of Transportation LCDOT/SCHAUMBURG	Section:	06-00274-0	0-ES	
l recomme	and that an addition be made to the above consultant contract.	Consultant:	Transystem	ns	
	ated work is listed below		for services		\$865,439.29
			Sum of all p	orevious contract ers:	\$0.00
Item #	Description			Additions	Deductions
1	Additional engineering services are being requested for seve revisions to the original scope of work as detailed in the attch Supplement No. 1.			\$99,220.06	
		TOTALS		\$99,220.06	\$0.00
		NET CHANGE		\$99,220.06	\$0.00
Net ADDIT	TON change to date \$99,220.06 which is	11.46	% of the ori	ginal contract amount for s	ervices described
State fully	the nature and reason for change: Please see attached.		Revised cor for services	ntract amount described:	\$964,659.35
or the time	net increase or decrease in the cost of the contract is \$10,000 of completion is increased or decreased by 30 days or more, ng statements shall be checked.				
	The undersigned has determined that the circumstances that change were not reasonably foreseeable at the time the cont.  The undersigned has determined that the circumstances that	ract was signed.		APPROVE	
	change are germane to the original contract.		•	Approved	
XXX	The undersigned has determined that this change is in the bette local agency and is authorized by law.	est interest of			
Project Eng	gineerDate	10-23-0	9	Regional E	_
Design Eng	gineer Paula Tuge Date	10-28-09	-	County Ei On Behalf of IDOT pu of Understanding dat	ursuant to Agreement
Approval Recommer	nded Mark MBuchler Date County Engineer	10/28/0	19		

BLR13210 LCDOT Adaptation
Submit 3 copies of this form to Regional Engineer (4 copies for road district)

# SUPPLEMENT #1 EXHIBIT A - PROJECT SCOPE

Illinois Route 120 Corridor Feasibility Study

The supplement for the project includes scope of additional work not included in the original scope of work. All changes to the scope of work are to the following original study scope items - Road Placement, Public Involvement, and Study Tasks. Additional Road Placement work includes additional data collection and additional travel demand modeling. Additional Public Involvement work includes compiling public comments. Additional Study Tasks work includes additional meetings.

### Task 1 Road Placement

- A It was anticipated that task force completed GIS data would be provided from each task force. Project assumptions assumed scope would not include supplementing the information completed by the task forces. The task forces were not able to supply the completed files. GIS data was collected from each resource agency after additional coordination, meetings, and training was completed. Each individual GIS file was converted to workable MicroStation files for use on the project. All task force created sheets and labels were then recreated to replicate the task force completed GIS data in MicroStation.
- B Three additional travel demand model scenarios were completed.
  - 1 It was anticipated that the following six model scenarios would be developed.
    - a Existing model Completed
    - b 2030 no-build model Completed
    - c 2030 IL 120 four-lane bypass Completed
    - d 2030 IL 120 six-lane expressway bypass Completed
    - e 2030 IL 120 four-lane bypass with IL 53 expressway extension Not Completed
    - f 2030 IL 120 six-lane expressway bypass with IL 53 expressway extension Completed
  - 2 In addition to the five model scenarios completed, the following four model scenarios were developed.
    - a 2030 widen existing IL 120 to four lanes Completed
    - b 2030 IL 120 six-lane bypass Completed
    - c 2030 widen existing IL 120 to four lanes and IL 120 four-lane bypass Completed
    - d 2030 widen existing IL 120 to four lanes and IL 120 six-lane expressway bypass -Completed
- C It was anticipated that the following conceptual drainage studies would be completed and are removed from the scope and hours reduced from the supplement.
  - 1 Identify locations of storm water detention, compensatory storage, and wetland mitigation
  - 2 Identify existing drainage conditions and prepare general location drainage map
  - 3 Analyze drainage alternatives
  - 4 Develop proposed drainage concept plan (1"=500")

# SUPPLEMENT #1 EXHIBIT A - PROJECT SCOPE

Illinois Route 120 Corridor Feasibility Study

### Task 5 Public Involvement

- A Conduct Open House Public Meeting #1
  - 1 Collect, compile, and summarize public input and comments from meeting.
- B Conduct Open House Public Meeting #2
  - 1 Collect, compile, and summarize public input and comments from meeting.

## Task 6 Study Tasks – Preparation, Coordination, Scheduling and Administration, and Deliverables

- A Meet and coordinate with LCDOT
  - 1 Anticipated 12 meetings. 43 meetings through project completion.
- **B** CPC Meetings
  - 1 Attend Governance Board meetings
    - a Anticipated 8 meetings. 12 meetings through project completion.
  - 2 Attend Public Information Task Force meetings
    - a Anticipated 8 meetings. 7 meetings through project completion.
  - 3 Attend Environmental Task Force meetings
    - a Anticipated 12 meetings. 10 meetings through project completion.
  - 4 Attend Land Use Task Force meetings
    - a Anticipated 8 meetings. 9 meetings through project completion.
  - 5 Attend Technical Task Force meetings
    - a Anticipated 12 meetings. 15 meetings through project completion.



Cost Estimate of
Consultant Services
(CPFF)

 Firm
 TranSystems

 Route
 Illinois Route 120

 Section
 Lake

 County
 Lake

 Job No.
 Corridor Feasibility Study

 PTB & Item
 Supplement #1

Date 06/30/09

Overhead Rate 156.44%

Complexity Factor 0

12.64% 22.25% 65.12% 100.00% % of Grand Total 22,073.46 64,608.39 99,220.06 (B+C+D+E+F+G) (B+C+D+E+F+G) 12,538.21 Total 0.00 DBE Total 0.00 Services By Others <u>©</u> 0.00 Outside Direct Costs Œ (E) 1,587.81 2,795.33 8,181.85 12,564.99 Fixed 0.00 In-House Direct Costs ê Ove. & & | Fringe Benefits | (c) | (c) | 6,680.24 11,760.53 34,422.74 52,863.52 Overhead 4,270.16 7,517.60 22,003.80 33,791.56 Payroll <u>@</u> 720 116 160 444 Manhours ₹ 5-Public Involvement 6-Study Tasks 1-Road Placement TOTALS Item DBE Drop Box

**DBE 0.00%** 

BDE 025 (Rev. 11/06)

# **Average Hourly Project Rates**

Lake Corridor Feasibility Study Illinois Route 120 Section County Job No. PTB/Item Route

Consultant

TranSystems

Date 06/30/09

P Sheet

Payroll	Avg	Total P	Total Project Rates		1-Road F	1-Road Placement		5-Public	5-Public Involvement		6-Study Tasks	Tasks							
	Hourly	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Watd	Hours	%	Watd
Classification	Rates		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Ava
Project Manager	55.70	292	40.56%	22.59	12	10.34%	5.76	80	20.00%	27.85	200	45.05%	25.09						
Project Engineer	48.06	256	35.56%	17.09	16	13.79%	6.63	40	25.00%	12.02	200	45.05%	21.65						
Design Engineer III	42.70	16	2.22%	96'0	$\vdash$	13.79%	5.89												
Design Engineer II	34.70	16	2.22%	0.77	16	13.79%	4.79												
Design Engineer I	28.45	09	8.33%	2.37	16	13.79%	3.92				44	9.91%	2.82	_					
CADD Technician III	28.48	80	11.11%	3.16	40	34.48%	9.82	40	25.00%	7.12									
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\$49.56

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\$46.99 444

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160

\$36.81

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\$46.93 116

100%

720

TOTALS

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