

8/31/2005

52-R-05

A RESOLUTION

**Authorizing the City Manager to Sign a
Joint Agreement with the
Transystems Corporation / Illinois Department of Transportation
for Construction Engineering Services for
McCormick Boulevard Reconstruction Project**

WHEREAS, the City of Evanston ("City"), Transystems Corporation ("Transystems"), and Illinois Department of Transportation ("IDOT"), in the interest of the safe and efficient movement of vehicular and pedestrian traffic, are desirous of reconstructing McCormick Boulevard from Green Bay Road to Emerson Street in the City of Evanston (See Location Map Exhibit A), said improvement to be identified as STATE Section: 2002-097R, MFT Section: 00-00218-00-FP and STATE Job: P-91-176-04, and hereinafter referred to as the "Project"; and

WHEREAS, the City, Transystems, and IDOT, parties hereto, are desirous of said Project in that same will be of immediate benefit to the residents of the area and permanent in nature; and

WHEREAS, the City, Transystems, and IDOT desire to avail themselves of State and Federal funds committed to improve this Project; and

WHEREAS, the City Council of the City of Evanston has determined it is in the best interests of the City to enter said Joint Agreement; and

WHEREAS, the City and Transystems Corporation will enter into a Joint Agreement relative to the construction inspection by the City under the supervision of IDOT; and

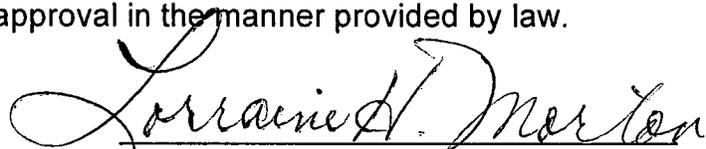
WHEREAS, the City Council has determined it is in the best interest of the City to approve said Joint Agreement;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EVANSTON, COOK COUNTY, ILLINOIS:

SECTION 1: That the City Manager is hereby authorized to sign and the City Clerk hereby authorized to attest to the Joint Agreement with Transystems Corporation /Illinois Department of Transportation for Construction Engineering Services the McCormick Boulevard Reconstruction Project, attached as "Exhibit 1".

SECTION 2: That the City Manager is hereby authorized and directed to negotiate any additional conditions of the Intergovernmental Agreement as may be determined to be in the best interests of the City.

SECTION 3: That this Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.


Lorraine H. Morton, Mayor

Attest:


Mary P. Morris, City Clerk

Adopted: September 12, 2005

Local Agency City of Evanston	 Illinois Department of Transportation Construction Engineering Services Agreement For Federal Participation	C O N S U L T A N T	Consultant TranSystems Corporation
County Cook			Address 1051 Perimeter Dr., Suite 1025
Section 00-00218-00-FP			City Schaumburg
Project No. STPM-8003(220)			State Illinois
Job No. D-91-281-02			Zip Code 60173-5058
Contact Name/Phone/E-mail Address Sat Nagar (847)866-2967 snagar@cityofevanston			Contact Name/Phone/E-mail Address Charles J. Stenzel, (847) 605-9600 cjstenzel@transystems.com

THIS AGREEMENT is made and entered into this _____ day of _____, 2005 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT described herein. Federal-aid funds allotted to the LA by the state of Illinois under the general supervision of the Illinois Department of Transportation (STATE) will be used entirely or in part to finance engineering services as described under AGREEMENT PROVISIONS.

WHEREVER IN THIS AGREEMENT the following terms are used, they shall be interpreted to mean:

Regional Engineer	Regional Engineer, Department of Transportation
Resident Engineer	LA Employee directly responsible for construction of the PROJECT
Contractor	Company or Companies to which the construction contract was awarded

Project Description

Name McCormick Boulevard Route FAU 2832 Length 4,650 ft Structure No. N/A

Termini Emerson Street (Golf Road) to Green Bay Road

Description: Phase III Construction Engineering for the reconstruction of McCormick Boulevard from Emerson Street to Green Bay Road in the City of Evanston, Cook County, Illinois. See Exhibit B for the detailed Scope of Services.

Agreement Provisions

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the engineering services for the LA, in connection with the PROJECT hereinbefore described and checked below:

- a. Proportion concrete according to applicable STATE Bureau of Materials and Physical Research (BMPR) Quality Control/Quality Assurance (QC/QA) training documents or contract requirements and obtain samples and perform testing as noted below.
- b. Proportion hot mix asphalt according to applicable STATE BMPR QC/QA training documents and obtain samples and perform testing as noted below.
- c. For soils, to obtain samples and perform testing as noted below.
- d. For aggregates, to obtain samples and perform testing as noted below.

NOTE: For 1a. through 1d. the ENGINEER is to obtain samples for testing according to the STATE BMPR "Project Procedures Guide", or as indicated in the specifications, or as attached herein by the LA; test according to the STATE BMPR "Manual of Test Procedures for Materials", submit STATE BMPR inspection reports; and verify compliance with contract specifications.

- e. Inspection of all materials when inspection is not provided at the sources by the STATE BMPR, and submit inspection reports to the LA and the STATE in accordance with the STATE BMPR "Project Procedures Guide" and the policies of the STATE.
- f. For Quality Assurance services, provide personnel who have completed the appropriate STATE BMPR QC/QA trained technician classes.
- g. Inspect, document and inform the resident engineer of the adequacy of the establishment and maintenance of the traffic control.

- h. Geometric control including all construction staking and construction layouts.
 - i. Quality control of the construction work in progress and the enforcement of the contract provisions in accordance with the STATE Construction Manual.
 - j. Measurement and computation of pay items.
 - k. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work.
 - l. Preparation and submission to the LA by the required form and number of copies, all partial and final payment estimates, change orders, records, documentation and reports required by the LA and the STATE.
 - m. Revision of contract drawings to reflect as built conditions.
2. Engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with the AGREEMENT.
 3. To furnish the services as required herein within twenty-four hours of notification by the resident engineer or authorized representative.
 4. To attend meetings and visit the site of the work at any reasonable time when requested to do so by representatives of the LA or STATE.
 5. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without the written consent of the LA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall not be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
 6. The ENGINEER shall submit invoices, based on the ENGINEER's progress reports, to the resident engineer, no more than once a month for partial payment on account for the ENGINEER's work completed to date. Such invoices shall represent the value, to the LA of the partially completed work, based on the sum of the actual costs incurred, plus a percentage (equal to the percentage of the construction engineering completed) of the fixed fee for the fully completed work.
 7. That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable to improvement of the SECTION; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
 8. That the ENGINEER shall be responsible for the accuracy of the ENGINEER's work and correction of any errors, omissions or ambiguities due to the ENGINEER'S negligence which may occur either during prosecution or after acceptance by the LA. Should any damage to persons or property result from the ENGINEER's error, omission or negligent act, the ENGINEER shall indemnify the LA, the STATE and their employees from all accrued claims or liability and assume all restitution and repair costs arising from such negligence. The ENGINEER shall give immediate attention to any remedial changes so there will be minimal delay to the contractor and prepare such data as necessary to effectuate corrections, in consultation with and without further compensation from the LA.
 9. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.
 10. The undersigned certifies neither the ENGINEER nor I have:
 - a) employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for me or the above ENGINEER) to solicit or secure this AGREEMENT;
 - b) agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - c) paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for me or the above ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - d) are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
 - e) have not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgement rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
 - f) are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (e) of this certification; and
 - g) have not within a three-year period preceding this AGREEMENT had one or more public transactions (Federal, State or local) terminated for cause or default.

other evidence pertaining to cost incurred and to make such materials available at their respective offices at all reasonable times during the AGREEMENT period and for three years from the date of final payment under this AGREEMENT, for inspection by the STATE, Federal Highway Administration or any authorized representatives of the federal government and copies thereof shall be furnished if requested.

2. That all services are to be furnished as required by construction progress and as determined by the RESIDENT ENGINEER. The ENGINEER shall complete all services specified herein within a time considered reasonable to the LA, after the CONTRACTOR has completed the construction contract.
3. That all field notes, test records and reports shall be turned over to and become the property of the LA and that during the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.
4. That this AGREEMENT may be terminated by the LA upon written notice to the ENGINEER, at the ENGINEER's last known address, with the understanding that should the AGREEMENT be terminated by the LA, the ENGINEER shall be paid for any services completed and any services partially completed. The percentage of the total services which have been rendered by the ENGINEER shall be mutually agreed by the parties hereto. The fixed fee stipulated in numbered paragraph 4d of Section II shall be multiplied by this percentage and added to the ENGINEER's actual costs to obtain the earned value of work performed. All field notes, test records and reports completed or partially completed at the time of termination shall become the property of, and be delivered to, the LA.
5. That any differences between the ENGINEER and the LA concerning the 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.
6. That in the event the engineering and inspection services to be furnished and performed by the LA (including personnel furnished by the ENGINEER) shall, in the opinion of the STATE be incompetent or inadequate, the STATE shall have the right to supplement the engineering and inspection force or to replace the engineers or inspectors employed on such work at the expense of the LA.
7. That the ENGINEER has not been retained or compensated to provide design and construction review services relating to the contractor's safety precautions, except as provided in numbered paragraph 1f of Section I.
8. This certification is required by the Drug Free Workplace Act (30ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the State unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract or grant payments, termination of a contract or grant and debarment of contracting or grant opportunities with the State for at least one (1) year but no more than five (5) years.

For the purpose of this certification, "grantee" or "contractor" means a corporation, partnership or other entity with twenty-five (25) or more employees at the time of issuing the grant, or a department, division or other unit thereof, directly responsible for the specific performance under a contract or grant of \$5,000 or more from the State, as defined in the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (A) abide by the terms of the statement; and
 - (B) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) the dangers of drug abuse in the workplace;
 - (2) the grantee's or contractor's policy of maintaining a drug free workplace;
 - (3) any available drug counseling, rehabilitation and employee assistance program; and
 - (4) the penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.

- (d) Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is convicted, as required by section S of the Drug Free Workplace Act.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.
- (g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

9. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of DOT-assisted contracts. Failure by the ENGINEER to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination this AGREEMENT or such other remedy as the LA deems appropriate.

Executed by the LA:

City of Evanston of the
(Municipality/Township/County)

ATTEST:

By: _____
Clerk

By: _____
Title: _____

(SEAL)

Executed by the ENGINEER:

TranSystems Corporation

ATTEST:

By: *Yvonne L. Bugh*

By: *Heaven L. Payne*

Title: Assistant Vice President

Title: Vice President

Exhibit A - Construction Engineering

Route: McCormick Boulevard
 Local Agency: City of Evanston
 (Municipality/Township/County)
 Section: 00-00218-00-FP
 Project: STPM-8003(220)
 Job No.: D-91-281-02

*Firm's approved rates on file with IDOT'S Bureau of Accounting and Auditing:

Overhead Rate (OH) 159.46 %
 Complexity Factor (R) 0.00
 Calendar Days 365

Method of Compensation:

- Post Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
- Post Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
- Post Plus Fixed Fee 3 14.5%[(2.3 + R)DL + IHDC]
- Direct Labor Multiple [(2.8 + R)DL] + IHDC
- Specific Rate
- Lump Sum

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
Constr. Observation	Sr. Proj. Mangr.	2.00	\$60.00	\$120.00	\$191.35	\$0.00	\$0.00	\$45.14	\$ 356.49
Constr. Observation	Constr. Mangr.	102.00	\$49.85	\$5,084.70	\$8,108.06	\$0.00	\$0.00	\$1,912.95	\$15,105.71
Constr. Observation	Proj. Engr.	8.00	\$41.42	\$331.36	\$528.38	\$0.00	\$0.00	\$124.66	\$ 984.40
Constr. Observation	Sr. Res. Insp.	1688.00	\$39.08	\$65,967.04	\$105,191.04	\$0.00	\$0.00	\$24,817.92	\$195,976.0
Constr. Observation	Land Surveyor	56.00	\$41.59	\$2,329.04	\$3,713.88	\$0.00	\$0.00	\$876.22	\$6,919.14
Constr. Observation	Surv. Crew Chief	181.00	\$29.28	\$5,299.68	\$8,450.86	\$0.00	\$0.00	\$1,993.82	\$15,744.36
Constr. Observation	Instr. Person	181.00	\$23.23	\$4,204.63	\$6,704.70	\$0.00	\$0.00	\$1,581.85	\$12,491.18
Constr. Observation	CADD Tech. III	32.00	\$26.87	\$859.84	\$1,371.10	\$0.00	\$0.00	\$323.48	\$2,554.42
Constr. Observation	Other Costs	0.00	\$0.00	\$0.00	\$0.00	\$92,821.00	\$11,088.00	\$1,607.76	\$105,516.7
Administration	Constr. Mangr.	120.00	\$49.85	\$5,982.00	\$9,538.89	\$0.00	\$0.00	\$2,250.53	\$17,771.42
Administration	Land Surveyor	8.00	\$41.59	\$332.72	\$530.55	\$0.00	\$0.00	\$125.17	\$ 988.44
Administration	Other Costs	0.00	\$0.00	\$0.00	\$0.00	\$20.00	\$0.00	\$0.00	\$ 20.00
Totals		2,378.00		\$90,511.01	\$144,328.81	\$92,841.00	\$11,088.00	\$35,659.50	\$374,428.3

EXHIBIT B

SCOPE OF ENGINEERING SERVICES

EXHIBIT B - SCOPE OF PHASE III ENGINEERING SERVICES

McCormick Boulevard from Emerson Street to Green Bay Road
Section No. 00-00218-00-FP

SCOPE OF ENGINEERING SERVICES – PHASE III

The following scope of services is proposed for Phase III construction engineering:

- Conduct a Kick-off Meeting with the business community prior to construction with our staff, the Contractor, and City representatives on hand to define roles of each player and let the residents and business audience know who to call with any questions, concerns, or complaints. The first line of communication will be with TranSystems' staff. TranSystems will provide a liaison between the City, Contractor, businesses, and our staff.
- One-on-one meetings with residents, as needed, to coordinate construction activities.
- Provide weekly updates and distribute them to the businesses via email and/or flyers.

TranSystems Corporation (TS) along with Great Lakes Soil & Environmental Consultants, Inc. (GSE) and Omega and Associates (OA) will provide Construction Engineering services for the McCormick Boulevard Improvement Project. The scope of services and responsible party are identified below:

1. Daily construction observation and material testing services meeting IDOT guidelines and procedures. (TS, OA, & GSE)
2. Provide coordination between the City of Evanston, Illinois Department of Transportation (IDOT), Local Residents and Businesses, and the Contractor throughout the project, including holding weekly meetings. (TS)
3. Proportion concrete according to applicable IDOT Bureau of Materials and Physical Research (BMPR) Quality Control/Quality Assurance (QC/QA) training documents or contract requirements and obtain samples and perform testing as noted below. (TS & GSE)
4. Proportion hot mix asphalt according to applicable IDOT BMPR QC/QA training documents and obtain samples and perform testing as noted below. (GSE)

EXHIBIT B - SCOPE OF PHASE III ENGINEERING SERVICES

McCormick Boulevard from Emerson Street to Green Bay Road
Section No. 00-00218-00-FP

5. For soils, to obtain samples and perform testing as noted below. (GSE)
 - A qualified soils technician or engineer will be onsite when the Contractor performing any stripping operations, proof rolling, fill placement, and compaction.
6. For aggregates, to obtain samples and perform testing as noted below. (GSE)

Note: For 3 through 6 TranSystems Corporation will obtain samples for testing according to IDOT BMPR "Project Procedures Guide", or as indicated in the specifications, or as attached herein by the City of Evanston; test according to IDOT BMPR "Manual of Test Procedures for Materials", submit IDOT BMPR inspection reports; and verify compliance with contract specifications.

 - The Resident Engineer is responsible for the accuracy and completeness of material inspection reports.
 - The Resident Engineer will submit all material inspection reports to IDOT on a weekly basis as required.
7. Inspection of all materials when inspection is not provided at the sources by IDOT BMPR, and submit inspection reports to the City of Evanston and IDOT in accordance with IDOT BMPR "Project Procedures Guide" and the policies of IDOT. (TS, OA, & GSE)
 - The Resident Engineer will submit all RE Visual material inspection reports to IDOT on a weekly basis or as needed basis.
8. For Quality Assurance services, provide personnel who have completed the appropriate IDOT BMPR QC/QA trained technician classes. (TS & GSE)
 - All TranSystems and Omega field personnel are Level II QC/QA trained technicians in both PCC mixtures and bituminous mixtures.
 - All Great Lakes Soil & Environmental Consultants, Inc. personnel will be of the appropriate Level of QC/QA training for the work they will be performing.

EXHIBIT B - SCOPE OF PHASE III ENGINEERING SERVICES

McCormick Boulevard from Emerson Street to Green Bay Road

Section No. 00-00218-00-FP

9. Inspect, document and inform the resident engineer of the adequacy of the establishment and maintenance of the traffic control. (TS)
 - The Resident Engineer will drive and check the project site traffic control at the beginning and end of each day.
 - The Resident Engineer will periodically drive the project site at night to check for deficiencies which may only be noticeable at night.
 - The Resident Engineer will complete weekly inspection reports.
 - The Resident Engineer will submit the Traffic Control Authorization Report (Oper-725) prior to the setup of traffic control.
10. Geometric control including all construction staking and construction layout.(OA)
11. Quality control in the construction work in progress and the enforcement of the contract provisions in accordance with the IDOT Construction Manual. (TS)
 - The Resident Engineer and Construction Engineers will follow the Inspector's Check Lists that are part of the Construction Manual.
12. Measurement and computation of pay items. (TS & OA)
 - All measurements and computations will be done in accordance with IDOT Documentation Manual Procedures.
 - Cross sections will be taken prior to the start of the Contractor work and at the conclusion of the various stages of earthwork operations. Earthwork calculation will be calculated in accordance with IDOT requirements and utilizing Pizer Earth computer software (Pizer Earth is the only approved computer method of calculating earthwork.)
13. Maintain a daily record of the contractor's activities throughout construction including sufficient information to permit verification of the nature and cost of changes in plans and authorized extra work. (TS)
 - The Resident Engineer will maintain an Inspector's Daily Report book with all daily reports.
 - Field Books will be used for all field measurements.

EXHIBIT B - SCOPE OF PHASE III ENGINEERING SERVICES

McCormick Boulevard from Emerson Street to Green Bay Road
Section No. 00-00218-00-FP

14. Preparation and submission to IDOT in the required form and number of copies, all partial and final payment estimates, changes orders, records, documentation, and reports required by the City of Evanston and IDOT. (TS)
15. Verify that the Contractor is following the requirement of the NPDES permit as set forth in the Contract documents.
 - Verify the SWPP and Notice of Intent is included in the contract documents for projects that disturb more than 1 acre.
 - Verify BDE 2342A has been signed and submitted by the Contractor. The project can not commence until this is submitted.
 - Prior to the start of construction, meet with the Contractor to discuss erosion control plans and implementation. Record this meeting in the project diary.
 - Perform weekly inspections of erosion control and effectiveness (BC 2259).
 - Upon final completion submit the Notice of Termination.
16. Redline mark-up of contract drawings to reflect record conditions. (TS).
17. Construction Manager to provide guidance to field personnel as to Contract requirements and daily documentation. (TS)

EXHIBIT C

COST ESTIMATE OF CONSULTANT SERVICES

MANHOUR UTILIZATION WORKSHEET

ROUTE: FAU 2632 (McCormick Blvd)
 SECTION: 00-00218-00-FP
 PROJECT: STPM-8003 (220)
 COUNTY: Cook
 JOB NO.: D-91-281-02

Firm: TranSystems Corporation

Date: August 22, 2005

TASK		Principal in Charge	Senior Project Manager	Chief Structural Engineer	Project Engineer	Construction Manager	Senior Resident Inspector	SR. INSPECTOR (OMEGA)	Design Engineer I	Land Surveyor	Survey Crew Chief	Instrument Person	Cadd Technician III	TOTAL HOURS
1 PRE-CONSTRUCTION MEETING														
1.1			2			2	4							8
SUBTOTAL		0	2	0	0	2	4	0	0	0	0	0	0	8
2 SHOP DRAWING REVIEW														
2.1	Structural Plans													0
2.2	Electrical - Catalog Cuts				8									8
2.3	Misc. Review						8							8
SUBTOTAL		0	0	0	8	0	8	0	0	0	0	0	0	16
3 CROSS SECTIONS														
3.1	Before Cross Sections									4	32	32		68
3.2	After Cross Sections									4	32	32		68
3.3	Quantity Calculation						4	16						20
SUBTOTAL		0	0	0	0	0	4	16	0	8	64	64	0	156
4 LAYOUT/LAYOUT														
4.1	Center Line and Stationing									8	18	18		44
4.2	Row / Easement Layout									12	24	24		60
4.3	Drainage Structure Layout						4			12	32	32		80
4.4	Sanitary Sewer Layout													0
4.5	Watermain Layout													0
4.6	Pavement/ Curb Layout					24	24			16	40	40		144
4.7	Structural Layout													0
4.8	Pavement Marking and Signs Layout						4							4
4.9	Lighting Layout						4				2	2		8
4.10	Electrical Utility Layout													0
4.11	Misc. Layout						8				1	1		10
4.12	Removal Limits						4							4
SUBTOTAL		0	0	0	0	0	48	24	0	48	117	117	0	354
5 CONSTRUCTION OBSERVATION														
5.1	Observation and Records					80	1280	496						1856
5.2	Weekly Meeting					20	80							100
5.3	Pay Estimates						16							16
5.4	Final Quantities						240	0						240
SUBTOTAL		0	0	0	0	100	1616	496	0	0	0	0	0	2212
6 RECORD DRAWINGS														
6.1							8						32	40
SUBTOTAL		0	0	0	0	0	8	0	0	0	0	0	32	40
CONSTRUCTION OBSERVATION		0	2	0	8	102	1688	536	0	56	181	181	32	2786
TASK ADMIN / MANAGEMENT														
7 MEETINGS AND COORDINATION														
SUBTOTAL		0	0	0	0	10	10	0	0	0	0	0	0	10
8 PROJECT MANAGEMENT														
SUBTOTAL		0	0	0	0	38	38	0	0	0	0	0	0	38
9 QUALITY CONTROL AND ASSURANCE														
SUBTOTAL		0	0	0	0	72	72	0	0	8	0	0	0	80
ADMIN / MANAGEMENT		0	0	0	0	120	0	0	0	8	0	0	0	128
TOTAL		0	2	0	8	222	1688	536	0	64	181	181	32	2914
PERCENT PARTICIPATION		0.0%	0.1%	0.0%	0.3%	7.6%	57.9%	18.4%	0.0%	2.2%	6.2%	6.2%	1.1%	100.0%

DIRECT COST SUMMARY

ROUTE: FAU 2832 (McCormick Blvd)
 SECTION: 00-00218-00-FP
 PROJECT: STPM-8003 (220)
 COUNTY: Cook
 JOB NO.: D-91-281-02

Firm: TranSystems Corporation
 Date: August 22, 2005

	In-House	Outside Direct Cost
1. <u>Construction Observation</u>		
Vehicle		
308 days @ \$36.00 / Day	\$ 11,088.00	\$ -
Blueline Reproductions - 24"X36"		
150 sheets @ \$0.80 /sheet	\$ -	\$ - 120
Photocopies - 8"x10"		
200 sheets @ \$0.10 /sheet	\$ -	\$ 20
Photocopies - 11"x17"		
150 sheets @ \$0.15 /sheet	\$ -	\$ 23
Mylar Reproductions - 24"x36"		
150 sheets @ \$9.00 /sheet	\$ -	\$ 1,350
SUBTOTAL	\$ 11,088	\$ 1,513
2. <u>Admin. & Management</u>		
Photocopies - 8"x10"		
200 sheets @ \$0.10 /sheet	\$ -	\$ 20
SUBTOTAL	\$ -	\$ 20
TOTAL DIRECT COSTS	\$ 11,088	\$ 1,533

SERVICES BY OTHERS SUMMARY

ROUTE: FAU 2832 (McCormick Blvd)
SECTION: 00-00218-00-FP
PROJECT: STPM-8003 (220)
COUNTY: Cook
JOB NO.: D-91-281-02

Firm: TranSystems Corporation

Date: August 22, 2005

1. Construction Observation

Omega & Associates
(Construction Inspection) \$ 50,183.00

Great Lakes Soil & Environmental Consultants, Inc.
(Material Inspection) \$ 41,105.00

SUBTOTAL \$ 91,288.00

2. Admin. & Management

SUBTOTAL \$ -

TOTAL SERVICES BY OTHERS COSTS \$ 91,288.00

EXHIBIT D

PROJECT SCHEDULE

Exhibit D

ROUTE: FAU 2832 (McCormick Blvd)
 SECTION: 00-00218-00-FP
 PROJECT: STPM-8003 (220)
 COUNTY: Cook
 JOB NO.: D-91-281-02

Date: August 22, 2005

MONTH	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	TOTAL
ESTIMATED CONTRACTOR'S SCHEDULE															
NO. OF WEEK DAYS	0	0	0	0	23	21	21	22	20	23	10	0	0	0	140
NO. OF WEEKEND DAYS	0	0	0	0	0	4	4	4	4	4	0	0	0	0	20
TOTAL DAYS	0	0	0	0	23	25	25	26	24	27	10	0	0	0	160
TOTAL HOURS (8 HOURS/DAY)	0	0	0	0	184	200	200	208	192	216	80	0	0	0	1280
TASK (HOURS PER TASK)															
1.0 PRE-CONSTRUCTION MEETING			8												8
2.0 SHOP DRAWING REVIEW			8	8											16
3.0 CROSS SECTIONS					68						88				156
4.0 LAYOUT/ LAYOUT					104	60	60	60	60	10					354
5.0 CONSTRUCTION OBSERVATION					296	312	307	315	299	323	116	200	40		2208
6.0 RECORD DRAWINGS													40		40
7.0 MEETINGS AND COORDINATION			2		8								40		10
8.0 PROJECT MANAGEMENT			1	1	4	4	4	4	4	4	4	4	4	4	38
9.0 QUALITY CONTROL AND ASSURANCE					10	10	8	10	10	8	8	8	8	8	80
Total Hours	0	0	19	9	490	386	379	389	373	345	216	212	92	0	2910
7. Vehicle Days (Items 3,4 & 5)	0	0	0	0	48	43	42	43	41	41	20	25	5	0	308

Assumptions

8 Hour work day

Anticipated Schedule

Letting November 5, 2005

Award December 20, 2005

Begin Construction March 1, 2006

Interim Completion Date June 6, 2006

Complete Construction August 29, 2006

10 Guaranteed Working Days September 24, 2006

Finalize Documentation November 5, 2006

EXHIBIT E

PAYROLL ESCALATION TABLE

**PAYROLL ESCALATION TABLE
FIXED RAISES**

PM NAME TranSystems Corporation
TIME/SUPPLEMENT

DATE 08/23/05
PTB NO. _____

CONTRACT TERM 12 MONTHS
START DATE 1/1/2006
RAISE DATE 4/1/2006

OVERHEAD RATE 159.46%
COMPLEXITY FACTOR _____
% OF RAISE 5.00%

ESCALATION PER YEAR

1/1/2006 - 4/1/2006

4/2/2006 - 1/1/2007

3
12

9
12

= 25.00%
= 1.0375

78.75%

3.75%

The total escalation for this project would be:

PAYROLL RATES

FIRM NAME
PRIME/SUPPLEMENT
PTB NO.

TranSystems Corporation

DATE 08/23/05

ESCALATION FACTOR 3.75%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Principal in Charge	\$ 60.00	\$60.00
Senior Project Manager	\$ 58.22	\$60.00
Project Manager	\$ 49.94	\$51.81
Construction Manager	\$ 48.05	\$49.85
Chief Structural Engineer	\$ 58.15	\$60.00
Senior Project Engineer	\$ 44.25	\$45.91
Senior Transportation Plann	\$ 47.44	\$49.22
Transportation Planner	\$ 32.82	\$34.05
Project Engineer	\$ 39.92	\$41.42
Resident Engineer	\$ 44.84	\$46.52
Senior Resident Inspector	\$ 37.66	\$39.08
Resident Inspector	\$ 31.91	\$33.11
Assistant Resident Inspector	\$ 28.42	\$29.49
Design Engineer III	\$ 34.60	\$35.89
Design Engineer II	\$ 29.63	\$30.74
Design Engineer I	\$ 25.85	\$26.82
Construction Inspector V	\$ 42.32	\$43.90
Construction Inspector IV	\$ 33.08	\$34.32
Construction Inspector III	\$ 24.15	\$25.06
Land Surveyor	\$ 40.09	\$41.59
Survey Crew Chief	\$ 28.22	\$29.28
Instrument Person	\$ 22.39	\$23.23
Rodman	\$ 16.55	\$17.17
Senior Engineering Technici	\$ 29.80	\$30.92
CADD Technician III	\$ 25.90	\$26.87
CADD Technician II	\$ 21.92	\$22.75
CADD Technician I	\$ 16.36	\$16.97
Administrative Assistant	\$ 23.19	\$24.06
Clerical	\$ 17.07	\$17.71
		\$0.00

DIRECT COST SUMMARY

ROUTE: FAU 2832 (McCormick Blvd)
 SECTION: 00-00218-00-FP
 PROJECT: STPM-8003 (220)
 COUNTY: Cook
 JOB NO.: D-91-281-02

Firm: OMEGA and Associates

Date: August 22, 2005

	In-House	Outside Direct Cost
1. <u>Construction Observation</u>		
Vehicle		
68 days @ \$36.00 / Day	\$ 2,448.00	\$ -
Blueline Reproductions - 24"X36"		
sheets @ \$0.80 /sheet	\$ -	\$ -
Photocopies - 8"x10"		
sheets @ \$0.10 /sheet	\$ -	\$ -
Photocopies - 11"x17"		
sheets @ \$0.15 /sheet	\$ -	\$ -
Mylar Reproductions - 24"x36"		
sheets @ \$9.00 /sheet	\$ -	\$ -
SUBTOTAL	\$ 2,448	\$ -
2. <u>Admin. & Management</u>		
Photocopies - 8"x10"		
sheets @ \$0.10 /sheet	\$ -	\$ -
SUBTOTAL	\$ -	\$ -
TOTAL DIRECT COSTS	\$ 2,448	\$ -

PAYROLL RATES

FIRM NAME Omega & Associates, Inc. DATE 08/23/05
PRIME/SUPPLEMENT TranSystem
PTB NO. _____

ESCALATION FACTOR 2.92%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Senior Inspector	\$31.00	\$31.90

CONTRACT TERM 14 MONTHS OVERHEAD RATE 142.01%
START DATE 3/28/2005 COMPLEXITY FACTOR 0
RAISE DATE Anniversary % OF RAISE 5.00%

ESCALATION PER YEAR

DETERMINE THE MID POINT OF THE AGREEMENT

7

CALCULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT

2.92%

The total escalation for this project would be:

2.92%

Great Lakes Soil & Environmental Consultants, Inc.
Cost Estimate of Consultant Services
Phase III – Materials Testing Services



Great Lakes Soil & Environmental Consultants, Inc. (GLSEC)
 Cost Estimate for QA Material Testing Services (Phase III Services)

Project: Village of Evanston
Route: McCormick Boulevard Improvements (FAU 2832)
District No.: One
Section No.: 00-00218-00-FP
Bid Date: 4/28/2005 (submitted)
Prepared For: TranSystems Corporation

(QA at the Plant for PCC & HMA will be IDOT's responsibility. GLSEC will provide QA on the jobsite only)

Mix adjustments if needed will be contractor's(QC) responsibility and changes will be communicated by QA Field Tech to QAM.

Estimated Testing Cost: \$41,105.00

Pay Item	Quantity	Unit	Days	Hours	Technician	No.	Rate	Cost (\$)
Soil Subgrade Cone Test			5	8.0	Soils Technician	1	65.00	2600.00
Aggregate Base & Subbase, 6" & 12"	30479.0	SQYD	4	8.0	Field Density Tech	1	65.00	2080.00
PCC Base Course 9"	24100.0	SQYD	15	8.0	Concrete Field Tech	1	65.00	7800.00
PCC Base Course 9" (High Early)	825.0	SQYD	2	8.0	Concrete Field Tech	1	65.00	1040.00
PCC Driveway Pavt, 8"	80.0	SQYD	1	8.0	Concrete Field Tech	1	65.00	520.00
PCC Sidewalk 5"	12623.0	SQFT	3	8.0	Concrete Field Tech	1	65.00	1560.00
Class C Patches, Types I thru IV, 10"	400.0	SQYD	2	8.0	Concrete Field Tech	1	65.00	1040.00
Combination Conc. C & G, All Types	10392.0	FOOT	14	8.0	Concrete Field Tech	1	65.00	7280.00
Handholes - All	12.0	EACH	4	8.0	Concrete Field Tech	1	65.00	2080.00
Conc Foundations - All	99.0	FOOT	1	8.0	Concrete Field Tech	1	65.00	520.00
Bit Base Course Superpave, 6" & 8"	310.0	SQYD	1	8.0	HMA Field Density Tech	1	65.00	520.00
Bit Surface Superpave, Mix C, N50	340.0	TON	1	8.0	HMA Field Density Tech	1	65.00	520.00
Bit Surface Superpave, Mix D, N70	2560.0	TON	4	8.0	HMA Field Density Tech	1	65.00	2080.00
Bit Binder Superpave, IL 19.0, N70	570.0	TON	1	8.0	HMA Field Density Tech	1	65.00	520.00
Leveling Binder, Superpave N70	1270.0	TON	0	0.0	HMA Field Density Tech	1	65.00	0.00
Concrete Cylinders	172	EACH					20.00	3440.00
HMA Sets (Air Voids, Extractions)	0	EACH					400.00	0.00
Proctors	2	EACH				1	150.00	300.00
Density Gauge Rental	7	EACH				1	35.00	245.00
Cylinder/Sample Pick up					Trips	42	125.00	5250.00
Travel Costs (Trip Fee)					Trips	58	55.00	3190.00
Project Management & Reports				40.0	Project Engineer	1	80.00	3200.00
Totals			58					41,105.00

Notes:

- (1) Cylinders will be tested at the GLSEC's Burr Ridge Laboratory.
- (2) Quantity for the above items was provided to us by the TranSystems Corp.
- (3) The above rates are valid until 12/31/06. Rates are subject to change after 12/31/06.
- (4) Minimum Charge for Field or Plant Technician Time is 8.0 hrs at the above unit rates.
- (5) Work Performed over 8.0 hours on a weekday will be charged at 1.5 times the above unit rates.
- (6) Work Performed on a Saturday will be charged at 1.5 times the above unit rates.
- (7) Work Performed on a Sunday will be charged at 2.0 times the above unit rates.