

Local Agency City of Peoria	L O C A L A G E N C Y	AMENDMENT 01 Preliminary Engineering Services Agreement For Federal Participation	C O N S U L T A N T	Consultant Crawford, Murphy & Tilly, Inc.
County Peoria				Address 401 SW Water Street, #209
Section 12-00296-02-PV				City Peoria
Project No. HPP-4096(001)				State IL
Job No. D-94-004-13				Zip Code 61602
Contact Name/Phone/E-mail Address Scott Reeise, P.E. City Engineer 309-494-8818/SReeise@peoriagov.org				Contact Name/Phone/E-mail Address Eric J. Hansen, P.E. 309-680-1301 ehansen@cmtengr.com

THIS AGREEMENT is made and entered into this _____ day of _____, _____ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT. 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.

Project Description

Name Pioneer Parkway Extension Route 6643 Length 3510 Structure No. N/A

Termini Villa Lake Drive to Allen Road

Description Reconstruction of the existing intersection at Allen Road and the westerly extension of Pioneer Parkway to Villa Lake Drive. Project includes the reconstruction of approximately 2400 feet of Allen Road. (See Exhibit 3.)

Agreement Provisions

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance, in accordance with STATE approved design standards and policies, of engineering services for the LA for the proposed improvement herein described.
2. To attend any and all meetings and visit the site of the proposed improvement at any reasonable time when requested by representatives of the LA or STATE.
3. To complete the services herein described within 730 calendar days from the date of the Notice to Proceed from the LA, excluding from consideration periods of delay caused by circumstances beyond the control of the ENGINEER.
4. The classifications of the employees used in the work should be consistent with the employee classifications and estimated man-hours shown in EXHIBIT A. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are indicated in Exhibit A to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
5. That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
6. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of work by the STATE will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or for clarification of any ambiguities.
7. That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will affix the ENGINEER's professional seal when such seal is required by law. Plans for structures to be built as a part of the improvement will be prepared under the supervision of a registered structural engineer and will affix structural engineer seal when such seal is required by law. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the STATE.
8. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

9. 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 judgment 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) 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.
10. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
11. To submit all invoices to the LA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
12. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the project (Exhibit B).
13. Scope of Services to be provided by the ENGINEER: **(The attached Estimate of Effort is part of this Agreement.)**
- Make such detailed surveys as are necessary for the planning and design of the PROJECT.
 - Make stream and flood plain hydraulic surveys and gather both existing bridge upstream and downstream high water data and flood flow histories.
 - Prepare applications for U.S. Army Corps of Engineers Permit, Illinois Department of Natural Resources Office of Water Resources Permit and Illinois Environmental Protection Agency Section 404 Water Quality Certification.
 - Design and/or approve cofferdams and superstructure shop drawings.
 - Prepare Bridge Condition Report and Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types and high water effects on roadway overflows and bridge approaches).
 - Prepare the necessary environmental and planning documents including the Project Development Report, Environmental Class of Action Determination or Environmental Assessment, State Clearinghouse, Substate Clearinghouse and all necessary environmental clearances.
 - Make such soil surveys or subsurface investigations including borings and soil profiles as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations to be made in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE.
 - Analyze and evaluate the soil surveys and structure borings to determine the roadway structural design and bridge foundation.
 - Prepare preliminary roadway and drainage structure plans and meet with representatives of the LA and STATE at the site of the improvement for review of plans prior to the establishment of final vertical and horizontal alignment, location and size of drainage structures, and compliance with applicable design requirements and policies.
 - Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - Complete the general and detailed plans, special provisions and estimate of cost. Contract plans shall be prepared in accordance with the guidelines contained in the Bureau of Local Roads and Streets manual. The special provisions and detailed estimate of cost shall be furnished in quadruplicate.
 - Furnish the LA with survey and drafts in quadruplicate all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

II. THE LA AGREES,

1. To furnish the ENGINEER all presently available survey data and information
2. To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis of the following compensation formulas:

Cost Plus Fixed Fee CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or
 CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or
 CPFF = 14.5%[(2.3 + R)DL + IHDC]

Where: DL = Direct Labor
 IHDC = In House Direct Costs
 OH = Consultant Firm's Actual Overhead Factor
 R = Complexity Factor

Specific Rate (Pay per element)

Lump Sum _____

3. To pay the ENGINEER using one of the following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:

With Retainage

- a) **For the first 50% of completed work**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **After 50% of the work is completed**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- c) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and the STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

Without Retainage

- a) **For progressive payments** – Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and STATE, a sum o money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

III. IT IS MUTALLY AGREED,

1. That no work shall be commenced by the ENGINEER prior to issuance by the LA of a written Notice to Proceed.
2. That tracings, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LA and that basic survey notes, sketches, charts and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request, to the LA or to the STATE, without restriction or limitation as to their use.

3. That all reports, plans, estimates and special provisions furnished by the ENGINEER shall be in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE, it being understood that all such furnished documents shall be approved by the LA and the STATE before final acceptance. 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 none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without 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.
5. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General and the STATE; and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the STATE for the recovery of any funds paid by the STATE under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
6. The payment by the LA in accordance with numbered paragraph 3 of Section II will be considered payment in full for all services rendered in accordance with this AGREEMENT whether or not they be actually enumerated in this AGREEMENT.
7. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LA, the STATE, and their officers, agents and employees from all suits, claims, actions or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
8. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such material becomes the property of the LA. The LA will be responsible for reimbursement of all eligible expenses to date of the written notice of termination.
9. 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 the 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,
- 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.

10. 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 of this AGREEMENT or such other remedy as the LA deems appropriate.
11. The attached Estimating Data and Project Scope, Exhibit 1, Exhibit 2, Exhibit 3, Exhibit A, B & C are included and made a part of this Agreement.
12. The ENGINEER certifies that its principals agree to abide by Ch. 17, Sec. 17-120 Paragraphs (a) through (e) of the Code of the City of Peoria, Illinois, entitled, "Fair Employment Practice."
13. Employee/Employment Restrictions – The ENGINEER agrees, as a condition of accepting this contract with the City of Peoria, that, for a period of one (1) year following completion of this contract, it shall be prohibited from hiring, directly or indirectly, any City employee or official who was involved, directly or indirectly in: (1) the selection and or recommendation to select the ENGINEER for performance of this contract; (2) coordinating the efforts of the ENGINEER in consummation or completion of this contract; or (3) monitoring or determining the performance of the ENGINEER. The ENGINEER further acknowledges and agrees that, upon the City's determination that a violation of this provision has occurred, the penalty imposed, at the sole discretion of the City, may include one or more of the following: (1) cancellation of any other contract(s) between the City of Peoria and the ENGINEER; (2) disqualification of the ENGINEER from bidding or being awarded future contracts with the City of Peoria for a period of two [2] years; and/or (3) payment of liquidated damages to the City of Peoria in the amount of Twenty five thousand dollars (\$25,000).

Agreement Summary

Prime Consultant:	TIN Number	Agreement Amount
Crawford, Murphy & Tilly, Inc.	37-0844662	\$70,277.00
Sub-Consultants:	TIN Number	Agreement Amount
Millenia Professional Services	20-0886076	
Testing Service Corporation	35-0937582	
Sub-Consultant Total:		\$0.00
Prime Consultant Total:		\$70,277.00
Total for all Work:		\$70,277.00

Executed by the LA:

City of Peoria

(Municipality/Township/County)

ATTEST:

REVIEWED AND APPROVED:

By: _____
Beth Ball

By: _____
James Ardis

Title City Clerk
(SEAL)

Title: Mayor

By: _____
Sonni Williams

Title: Interim Corporation Counsel

By: _____
Michael Rogers

Title: Public Works Director

Executed by the ENGINEER:

Crawford, Murphy & Tilly, Inc.

Peoria EEO Certification Number for Crawford, Murphy & Tilly, Inc: 01746-111231

ATTEST:

By: _____
Eric J. Hansen, PE

By: 
Louis H. Dixon, PE

Title Associate & Sr. Project Manager

Titl Sr. Vice President & Director, Highways & Bridges

Estimate of Effort by Task Amendment 01

FIRM NAME:	<u>CRAWFORD, MURPHY AND TILLY, INC.</u>	
ROUTE:	<u>Pioneer Parkway (FAU 6643)</u>	
SECTION:	<u>12-00296-02-PV</u>	DATE: <u>01/31/14</u>
COUNTY:	<u>Peoria County</u>	

Task	Additional Hours
1 Route Surveys & Mapping	
Horizontal and Vertical Control	16
Centerline Survey	
Alignment Control Ties	Sub-Consultant Service by MPS
Topographic Features	
Mapping of Existing Topography	24
	Sub-total <u>40</u>
2 Phased Construction Plan	
Intersection Design Study (Pioneer & Allen)	
Cross section considerations	
Storm drainage considerations	
Phased Land-Use Development	44
Trip Generation & Traffic Distribution Plan	216
Alternate Intersection Concepts	60
Traffic Analysis and Simulation	54
Policy & Procedure Coordination for Phased Improvements	20
Public Meeting Activities & Exhibits	110
	Sub-total <u>504</u>
3 Storm Drainage Design	
Inlet & Sewer Design	
Detention Analysis	
Storage Need	
Bio-Retention Options	
Storm Water Pollution Prevention Plan & Permitting	
	Sub-total <u>0</u>
4 Geotechnical Analysis	
Soil Borings & Report	Sub-Consultant Service
Pavement Design	
Topsoil stripping, storage & placement	
	Sub-total <u>0</u>
5 Traffic Signal Design & Plans	
Signal Design for temporary & permanent installation	
Traffic Signal Plan & Details	8 shts 20 hrs/sht
	Sub-total <u>0</u>
6 Work Zone Safety & Mobility	
Staged construction options	

Estimate of Effort by Task Amendment 01

FIRM NAME:	<u>CRAWFORD, MURPHY AND TILLY, INC.</u>	
ROUTE:	<u>Pioneer Parkway (FAU 6643)</u>	
SECTION:	<u>12-00296-02-PV</u>	DATE: <u>01/31/14</u>
COUNTY:	<u>Peoria County</u>	

Task	Additional Hours
Traffic Control per stage	Sub-total <u>0</u>
7 Construction Plans	
Cover, Index, Gen. Notes, & Utility Status	12 0
Summary of Quantities & Schedules	12 0
Typical Sections	12 0
Right of Way Plans	12 0
Alignment Control Ties & Benchmarks	12 0
Plan & Profile Sheets	18 0
Removal Plans	12 0
Staging & Traffic Control Plans	12 0
Storm Water Pollution Prevention Plan	included above
Drainage Plan, Profile, & Details	24 0
Retention Pond Plan & Details	24 0
Landscaping Plan & Details	24 0
Traffic Signal Plans & Details	included above
Pavement Marking & Street Lighting Plans & Details	12 0
Intersection Grading Plans	12 0
Project Detail Sheets	12 0
District Standard Details	2 0
Cross Sections	12 0
	<u>0</u> Sub-total <u>0</u>
8 Special Provisions	
Selection of Supplemental & Recurring Special Provisions	
Selection of BDE Special Provisions	
Selection of Local Roads Special Provisions	
Selection of District 4 Special Provisions	
Creation of Contract Special Provisions	
	Sub-total <u>0</u>
9 Quantities, Cost Opinion & Construction Time Estimate	
Computation of Pay Item quantities	15
Estimate of Time	2
Estimate of Construction Cost	3
	Sub-total <u>20</u>
10 Implement Quality Assurance Plan	
Create a Project specific Quality Assurance Plan	
Review Project Deliverables	

Estimate of Effort by Task Amendment 01

FIRM NAME:	<u>CRAWFORD, MURPHY AND TILLY, INC.</u>	
ROUTE:	<u>Pioneer Parkway (FAU 6643)</u>	
SECTION:	<u>12-00296-02-PV</u>	DATE: <u>01/31/14</u>
COUNTY:	<u>Peoria County</u>	

Task	Additional Hours
Perform Constructability Review of Preliminary Plans	Sub-total <u>0</u>
11 Project Management	
Monthly progress meetings (1 person, 9 mtgs, 2 hrs/mtg)	18
Property owner design coordination meetings (19 mtgs @ 2hrs each)	
Utility company coordination (6 companies @ 8 hrs each)	
Coordination with Dist. 4 Local Roads staff (9 months @ 2hrs/month)	18
Contract Administration (9 months @ 2hrs/month)	18
	Sub-total <u>54</u>

EXHIBIT A
Amendment 01
COST ESTIMATE OF CONSULTANT SERVICES

FIRM: CRAWFORD, MURPHY AND TILLY, INC.

DATE : 01/31/14

ROUTE: FAU 6643

OVERHEAD RATE (OH): 146.32%

SECTION: 12-00296-02-PV

COMPLEXITY FACTOR (R) : 0.035

COUNTY: Peoria County

Formulas

(C)=(A)x(B)

(D)=(C)x(OH)

(F)=0.145x(C+(RxC)+(OHxC)+E)

(H)=(C)+(D)+(E)+(F)+(G)

JOB NO: D-94-004-13

ITEM	MANHOURS (A)	AVERAGE HOURLY RATE (B)	PAYROLL (C)	OVERHEAD & FRINGE BENEFITS (D)	DIRECT COSTS (E)	FIXED FEE (F)	SERVICE BY OTHERS (G)	TOTAL (H)	% OF GRAND TOTAL (I)
01. Route Surveys & Mapping	40	\$36.66	\$1,467	\$2,146	\$65	\$541		\$4,218	6.00%
02. Phased Construction Plan	504	\$39.42	\$19,870	\$29,074	\$107	\$7,213		\$56,265	80.06%
03. Storm Drainage Design	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
04. Geotechnical Analysis	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
05. Traffic Signal Design & Plans	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
06. Work Zone Safety & Mobility	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
07. Construction Plans	0	\$0.00	\$0	\$0	\$ 160.20	\$23		\$183	0.26%
08. Special Provisions	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
09. Quantities & Cost Opinion	20	\$36.24	\$725	\$1,061		\$263		\$2,048	2.91%
10. Implement Quality Assurance Plan	0	\$0.00	\$0	\$0		\$0		\$0	0.00%
11. Project Management	54	\$49.15	\$2,654	\$3,883	\$56	\$970		\$7,563	10.76%
			\$0	\$0		\$0		\$0	0.00%
			\$0	\$0		\$0		\$0	0.00%
			\$0	\$0		\$0		\$0	0.00%
			\$0	\$0		\$0		\$0	0.00%
			\$0	\$0		\$0		\$0	0.00%
TOTALS	618		\$24,716	\$36,164	\$388	\$9,009	\$0	\$70,277	100.00%

PAYROLL ESCALATION TABLE ANNIVERSARY RAISES

FIRM NAME: CRAWFORD, MURPHY AND TILLY, INC.

ROUTE: FAU 6643

SECTION: 12-00296-02-PV

COUNTY: Peoria County

DATE 01/31/14

CONTRACT TERM	<u>16</u>	MONTHS	OVERHEAD RATE	<u>146.32%</u>
START DATE	<u>1/1/2014</u>		COMPLEXITY FACTOR	<u>0.035</u>
DATE OF NEXT PAYROLL INCREASE	<u>1/1/2015</u>		% OF ANNUAL RAISE	<u>3.00%</u>
COMPLETION DATE	<u>5/2/2015</u>			

ESCALATION PER YEAR

Start Date is 12.0 months before the next Payroll Increase
 Completion Date is 4.0 months after the next Payroll Increase

	Current Year Rates	Year 2 Rates	Year 3 Rates	Year 4 Rates	Sum
Months of Work	12.0	4.0	0.0	0.0	
Annual Escalation Factor	75.00%	25.75%	0.00%	0.00%	100.75%

CALCULATE THE ESCALATION FACTOR OVER THE CONTRACT TERM

0.75%

PAYROLL RATES

FIRM NAME: CRAWFORD, MURPHY AND TILLY, INC.

ROUTE: FAU 6643

SECTION: 12-00296-02-PV

COUNTY: Peoria County

ESCALATION FACTOR 0.75%

DATE: 01/31/14

CLASSIFICATION		JANUARY 2014 RATES	ESCALATED RATE
10	PRINCIPAL	\$68.33	\$68.33
20	SR. PROJECT ENGINEER/MANAGER	\$56.51	\$56.93
30	PROJECT ENGINEER / MANAGER	\$43.94	\$44.27
40	SENIOR ENGINEER	\$33.98	\$34.23
42	SENIOR TECHNICAL MANAGER	\$39.55	\$39.85
50	ENGINEER	\$27.55	\$27.76
65	TECHNICAL MANAGER	\$24.97	\$25.16
70	REGISTERED LAND SURVEYOR	\$39.23	\$39.52
80	SENIOR TECHNICIAN	\$33.55	\$33.80
90	TECHNICIAN	\$25.20	\$25.39
100	TECHNICAL ASSISTANT	\$19.43	\$19.58
110	CLERICAL/WORD PROCESSOR	\$19.27	\$19.41

AVERAGE HOURLY PROJECT RATES

FIRM NAME: CRAWFORD, MURPHY AND TILLY, INC.
 ROUTE: FAU 6643
 SECTION: 12-00296-02-PV
 COUNTY: Peoria County

DATE 01/31/14
 SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATE			01. Route Surveys & Mapping			02. Phased Construction Plan			03. Storm Drainage Design			04. Geotechnical Analysis			05. Traffic Signal Design & Plans		
		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	\$ 68.33	3	0.44%	\$0.30	0			0			0			0			0		
SR. PROJECT ENGINEER/MANAGER	\$ 56.93	180	29.16%	\$16.60	0			151	30.00%	\$17.08	0	15.00%		0	10.00%		0	5.00%	
PROJECT ENGINEER / MANAGER	\$ 44.27	18	2.83%	\$1.25	0			0			0	30.00%		0			0	70.00%	
SENIOR ENGINEER	\$ 34.23	239	38.71%	\$13.25	0			227	45.00%	\$15.41	0	20.00%		0	80.00%		0		
SENIOR TECHNICAL MANAGER	\$ 39.85	0			0			0			0			0			0		
ENGINEER	\$ 27.76	138	22.39%	\$6.22	0			126	25.00%	\$6.94	0	25.00%		0			0		
TECHNICAL MANAGER	\$ 25.16	0			0			0			0			0			0		
REGISTERED LAND SURVEYOR	\$ 39.52	20	3.24%	\$1.28	20	50.00%	\$19.76	0			0			0			0		
SENIOR TECHNICIAN	\$ 33.80	20	3.24%	\$1.09	20	50.00%	\$16.90	0			0			0			0		
TECHNICIAN	\$ 25.39	0			0			0			0	10.00%		0	10.00%		0	25.00%	
TECHNICAL ASSISTANT	\$ 19.58	0			0			0			0			0			0		
CLERICAL/WORD PROCESSOR	\$ 19.41	0			0			0			0			0			0		
TOTALS		618	100%	\$39.99	40	100.00%	\$36.66	504	100%	\$39.42		100%	\$0.00	0	100%	\$0.00		100%	\$0.00

AVERAGE HOURLY PROJECT RATES

FIRM NAME: CRAWFORD, MURPHY AND TILLY, INC.
 ROUTE: FAU 6643
 SECTION: 12-00296-02-PV
 COUNTY: Peoria County

DATE 01/31/14
 SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	06. Work Zone Safety & Mobility			07. Construction Plans			08. Special Provisions			09. Quantities & Cost Opinion			10. Implement Quality Assurance Plan			11. Project Management		
		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	\$ 68.33	0			0			0			0			0	5.00%		3	5.00%	\$3.42
SR. PROJECT ENGINEER/MANAGER	\$ 56.93	0	10.00%		0	15.00%		0	25.00%		2	10.00%	\$5.69	0	30.00%		27	50.00%	\$28.47
PROJECT ENGINEER / MANAGER	\$ 44.27	0	30.00%		0	20.00%		0	25.00%		4	20.00%	\$8.85	0	20.00%		14	25.00%	\$11.07
SENIOR ENGINEER	\$ 34.23	0	35.00%		0	20.00%		0	25.00%		7	35.00%	\$11.98	0	35.00%		5	10.00%	\$3.42
SENIOR TECHNICAL MANAGER	\$ 39.85	0			0			0			0			0			0		
ENGINEER	\$ 27.76	0			0	20.00%		0	25.00%		7	35.00%	\$9.71	0	10.00%		5	10.00%	\$2.78
TECHNICAL MANAGER	\$ 25.16	0			0			0			0			0			0		
REGISTERED LAND SURVEYOR	\$ 39.52	0			0			0			0			0			0		
SENIOR TECHNICIAN	\$ 33.80	0			0			0			0			0			0		
TECHNICIAN	\$ 25.39	0	25.00%		0	25.00%		0			0			0			0		
TECHNICAL ASSISTANT	\$ 19.58	0			0			0			0			0			0		
CLERICAL/WORD PROCESSOR	\$ 19.41	0			0			0			0			0			0		
					0			0			0			0			0		
					0			0			0			0			0		
					0			0			0			0			0		
TOTALS			100%	\$0.00		100%	\$0.00		100%	\$0.00	20	100%	\$36.24		100%	\$0.00	54	100%	\$49.15

FIRM NAME: CRAWFORD, MURPHY AND TILLY, INC.
ROUTE: FAU 6643
SECTION: 12-00296-02-PV
COUNTY: Peoria County

DATE: 01/31/14

SERVICES BY OTHERS

Task Sub-Consultant

- 01. Millenia Professional Services
- 04. Testing Service Corporation

DIRECT COSTS

<u>Task</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Total</u>
01.	Survey Vehicle (\$65 per day)	1 day	\$ 65.00	\$ 65.00
	Employee Vehicle (\$0.56 per mile)			
11.	Client Meetings (10 meetings, 10 mile trip)	100.00	\$ 0.56	\$ 56.00
07.	Project visits (15 trips, 18 mile trip)	270.00	\$ 0.56	\$ 151.20
02.	Photo Paper for public exhibits (\$200 per roll)	1/4 roll	\$ 200.00	\$ 50.00
	Printing - External service (11" x 17" \$0.20 per page)			
02.	Concept plans (20 pages 3 sets)	60	\$ 0.20	\$ 12.00
	Mylar Prints (\$1.50 per Sq Ft)			
02.	IDS Submittal (5 D size sheets)	30	\$ 1.50	\$ 45.00
07.	Final Plan Cover & Sum of Quant. (4-11"x17")	6	\$ 1.50	\$ 9.00