

Local Public Agency	L O C A L A G E N C Y	 Illinois Department of Transportation	C O N S U L T A N T	Consultant
City of Peoria				Maurer-Stutz Inc
County Peoria				Address 3116 N. Dries Lane
Section 14-00365-00-BR				City Peoria
Project No. KEQG(103)				State IL
Job No. C-94-001-17				Zip Code 61604
Contact Name/Phone/E-mail Address Bill Lewis blewis@peoriagov.org	Contact Name/Phone/E-mail Address Rick Anderson / 309-693-7615 rjanderson@mstutz.com			

THIS AGREEMENT is made and entered into this 28th day of February, 2018 between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT described herein. Federal-aid funds allotted to the LPA 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 or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director Division of Highways, Regional Engineer, Department of Transportation
Resident Construction Supervisor In Responsible Charge	Authorized representative of the LPA in immediate charge of the engineering details of the PROJECT A full time LPA employee authorized to administer inherently governmental PROJECT activities
Contractor	Company or Companies to which the construction contract was awarded

Project Description

Name MacArthur Highway Bridge Route FAU 6593 Length .204 Mi Structure No. 072-6015

Termini Martin Luther King Drive to 1100' south

Description: Construction Engineering Services for the reconstruction of the MacArthur Highway Bridge and collateral improvements in Peoria, IL

Agreement Provisions

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the engineering services for the LPA, 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 LPA; 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 LPA 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 LPA employee In Responsible Charge 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 LPA by the required form and number of copies, all partial and final payment estimates, change orders, records, documentation and reports required by the LPA and the STATE.
 - m. Revision of contract drawings to reflect as built conditions.
 - n. Act as resident construction supervisor and coordinate with the LPA employee In Responsible Charge.
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 LPA employee In Responsible Charge.
4. To attend meetings and visit the site of the work at any reasonable time when requested to do so by representatives of the LPA 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 LPA. 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 LPA employee In Responsible Charge, 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 LPA 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 LPA. Should any damage to persons or property result from the ENGINEER's error, omission or negligent act, the ENGINEER shall indemnify the LPA, 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 LPA.
9. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LPA.
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 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) 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.
11. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
 12. To submit all invoices to the LPA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
 13. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the work called for in the AGREEMENT.
 14. To be prequalified with the STATE in Construction Inspection when the ENGINEER or the ENGINEER's assigned staff is named as resident construction supervisor. The onsite resident construction supervisor shall have a valid Documentation of Contract Quantities certification.
 15. Will provide, as required, project inspectors that have a valid Documentation of Contract Quantities certification.

II. THE LPA AGREES,

1. To furnish a full time LPA employee to be In Responsible Charge authorized to administer inherently governmental PROJECT activities.
2. To furnish the necessary plans and specifications.
3. To notify the ENGINEER at least 24 hours in advance of the need for personnel or services.
4. 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 Formulas

- FF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or
- FF = 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
 FF=Fixed Fee
 SBO = Services by Others

Total Compensation = DL +IHDC+OH+FF+SBO

- Specific Rate (Pay per element)
- Lump Sum _____

5. 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 LPA, 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 LPA, 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 LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA 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 LPA, 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 LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and 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.
6. The recipient shall not discriminate on the basis 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.).
 7. To submit approved form BC 775 (Exhibit C) and BC 776 (Exhibit D) with this AGREEMENT.
 8. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Local Government Professional Services Selection Act 50 ILCS 510, the Brooks Act 40USC 11, and Procurement, Management, and Administration of Engineering and Design related Services (23 CFR part 172). Exhibit C is required to be completed with this agreement.

III. It is Mutually Agreed,

1. That the ENGINEER and the ENGINEER's subcontractors will maintain all books, documents, papers, accounting records and 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 LPA employee In Responsible Charge. The ENGINEER shall complete all services specified herein within a time considered reasonable to the LPA, 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 LPA 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 LPA upon written notice to the ENGINEER, at the ENGINEER's last known address, with the understanding that should the AGREEMENT be terminated by the LPA, 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 LPA.
5. That any differences between the ENGINEER and the LPA 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 LPA, 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 LPA (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 LPA.
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 LPA deems appropriate.
 10. When the ENGINEER is requested to complete work outside the scope of the original AGREEMENT, a supplemental AGREEMENT will be required. Supplements will also be required for the addition or removal of subconsultants, direct costs, the use of previously unspecified staff, and other material changes to the original AGREEMENT.

Agreement Summary

Prime Consultant:	TIN Number	Agreement Amount
Maurer-Stutz Inc	27-1013849	\$552,400.81
Sub-Consultants:	TIN Number	Agreement Amount
Prairie Engineers	27-3286656	\$67,201.61
Millennia Professional Services	20-0886076	\$29,997.00
	Sub-Consultant Total:	\$97,198.61
	Prime Consultant Total:	\$552,400.81
	Total for all Work:	\$649,599.41

Executed by the LPA:

(Municipality/Township/County)

ATTEST:

By: Beth Ball
City Clerk

By: [Signature]
Title: Mayor

(SEAL)

Executed by the ENGINEER:

MAURER-STUTZ, INC.

ATTEST:

By: [Signature]
Title: PROJECT ENGINEER

By: [Signature]
Title: VICE PRESIDENT

FILE NO 18-040-A

Exhibit A - Phase III Engineering - Maurer-Stutz, Inc.

Route: FAU 6593 MacArthur Highway
 Local Agency: City of Peoria
 (Municipality/Township/County)
 Section: 14-00365-00-BR
 Project: KEQG(103)
 Job No.: C-94-001-17

*Firm's **approved rates** on file with IDOT'S
 Bureau of Accounting and Auditing:
 Overhead Rate (OH) 179.51 %
 Complexity Factor (R) 0
 Calendar Days 447

Method of Compensation:

- Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 14.5%[(2.3 + 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
MAURER-STUTZ				-	-		-	-	-
Construction Obsertvation - PM	PE VIII	78	56.000	4,368.00	7,841.00		-	1,770.30	13,979.30
Construction Obsertvation - RE	PE IV	2080	33.920	70,553.60	126,650.77		16,900.00	31,045.13	245,149.50
Construction Obser. - Assist. RE	Sci/Tech VI	1890	35.000	66,150.00	118,745.87		17,325.00	29,322.03	231,542.89
Material Tester	Sci/Tech V	408	28.500	11,628.00	20,873.42			4,712.71	37,214.13
Surveyor	Tech V	40	29.500	1,180.00	2,118.22			478.24	3,776.46
Construction Observation - Intern	Tech I	480	13.500	6,480.00	11,632.25			2,626.28	20,738.52
PRAIRIE ENGINEERS				-	-			-	-
Construction Observation				-	-	67,201.61		-	67,201.61
MILLENNIA PROFESSIONAL				-	-			-	-
Material Testing				-	-	29,997.00		-	29,997.00
				-	-			-	-
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Totals		4976	NA	160,359.60	287,861.52	97,198.61	34,225.00	69,954.69	649,599.41

Direct Costs:

Assist. RE included truck and premium time

NOT TO EXCEED VALUE \$ 650,000.00

Exhibit A - Phase III Engineering -Prairie Engineering

Route: FAU 6593 MacArthur Highway
 Local Agency: City of Peoria
 (Municipality/Township/County)
 Section: 14-00365-00-BR
 Project: KEQG(103)
 Job No.: C-94-001-17

*Firm's approved rates on file with IDOT'S
 Bureau of Accounting and Auditing:
 Overhead Rate (OH) 147.90 %
 Complexity Factor (R) 0
 Calendar Days 447

- Method of Compensation:
- Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 - Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 - Cost Plus Fixed Fee 3 14.5%[(2.3 + 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)	Fixed Fee (FF)	Total
PRAIRIE ENGINEERS				-	-		-	-	-
Construction Observation	Staff Engineer	700	31.200	21,840.00	32,301.36		4,550.00	8,510.25	67,201.61
				-	-			-	-
				-	-			-	-
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				-	-			-	-
Totals		700	NA	21,840.00	32,301.36	-	4,550.00	8,510.25	67,201.61

Direct Costs:



Millennia Professional Services of Illinois, Ltd.

850 North Main Street · Morton, Illinois 61550 · (Office) 309-321-8141 · (Fax) 309.321.8142

February 19, 2018

Mr. Curtis Lynn, P.E.
Maurer-Stutz
3116 N. Dries Lane, Suite 100
Peoria, IL 61604

Subject: Estimated Cost Proposal for QA Materials Testing
MacArthur Bridge Project, City of Peoria

Dear Mr. Lynn

Introduction:

Millennia Professional Service of Illinois, Ltd (MPS) is pleased to submit this proposal to Maurer-Stutz to provide QA (Quality Assurance) Soils Technicians and QA laboratory testing services during the construction of the MacArthur Bridge Project in Peoria, Illinois. **MPS is a certified Disadvantage Business Enterprise (DBE) pre-qualified by Illinois Department of Transportation.** Our team of experienced, licensed professionals provides a wide variety of services to meet your business needs with high quality, high value results. MPS has a fully equipped laboratory accredited by IDOT, AASHTO, CCRL, AMRL and OMP.

The field services will be performed on an as-needed basis with coordination being between Maurer-Stutz's designated representative and MPS's Morton office.

Scope of Services:

Soil and Aggregate Placement/Testing:

- Evaluate earth fill or crushed stone aggregates to be used as fill and/or backfill. This evaluation would include the performance of Standard Proctor tests in accordance with AASHTO T-99, and other laboratory testing requirements.
- Observe the placement of earth fill and backfill, or crushed stone aggregate, and test for in-place density using a nuclear moisture density gauge (ASTM D 2922), to assess the degree of compaction being obtained as well as perform one-point proctors with dry-back for actual moisture readings.

HMA Density Testing:

Millennia Professional Services of Illinois, Ltd.

- Perform QA density testing of HMA in accordance with AASHTO T-355.

Concrete Laboratory Testing:

- Receive, cure and break concrete cylinder specimens per AASHTO T22. Cylinders will be made by Maurer-Stutz per AASHTO R39. Test concrete beams for flexural strength (if needed).

Unit Rates**Technician and Laboratory Rates**

PCC – Technician III (32 hrs)(\$100/hr)	\$3,200.00
Soils – Technician III (200 hrs)(\$100/hr)	\$20,000.00
HMA – Technician III (32 hrs)(\$100/hr)	\$3,200.00

Equipment Rental/Reimbursable

Trip Charge (1400 miles)(\$.545/mile)	\$763.00
Nuclear Gauge Rental (33 days)(\$50.00/day)	\$1,650.00
Concrete Compressive Strength Cylinders (74 each)(\$16 each)	\$1,184.00

TOTAL ESTIMATED COST	\$29,997.00
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Estimated Cost: These figures are based on an estimate. The estimated total cost may increase or decrease depending on the actual construction schedule and Technician performing the work. Additional types of testing will be considered an extra to the estimated costs and be billed at the corresponding rates.

Sincerely,

Millennia Professional Services of Illinois, Ltd.

Estimate for Construction Engineering
 MacArthur Highway Bridge
 Section - 14-00365-00-BR
 Project - KEQG(103)
 Job - C94-001-17

CONSTRUCTION OBSERVATION

STAFF/TASK	CLASSIFICATION	EFFORT	AMOUNT	RATE	EST COST	TOTAL
<u>Maurer- Stutz</u>						
Project Manager	PE VIII		78 Hrs			
Resident Engineer	PE IV	52 weeks (40 Hrs/Wk)	2080 Hrs			
Assistant Resident	Sci/Tech VI	42 weeks (45 Hrs/Wk)	1890 Hrs			
QA Concrete Tester	Sci/Tech V	34 weeks (12 Hrs/Wk) or As Needed	408 Hrs		See Exhibit A	
Surveyor	Tech V	As needed to verify layout	40 Hrs			
Intern	Tech I	12 Weeks (40 Hrs/Wk)	480 Hrs			
Direct Costs	RE Vehicle	52 weeks with 5 days/week	260 Days	\$65/Day	\$ 16,900.00	
	Assistant RE Vehicle	42 weeks with 5 days/week	210 Days	\$65/Day	\$ 13,650.00	
	Assistant RE Premium Time	42 weeks (5 Hrs/Wk)	210 Hrs	\$17.5/Hr	\$ 3,675.00	\$ 17,325.00

SUB CONSULTANTS

Prairie Engineers

Inspectors	Staff Engineer	28 Weeks (25 Hrs/Wk)	700 Hrs		See Exhibit A	
Direct Costs	Vehicle	1 Truck for 28 weeks (1/2 days every day)	140 Half Days	\$32.5/Half Day	\$ 4,550.00	

Millennia

Material Testing	PCC Tech III		32 Hrs	\$100/HR	\$ 3,200.00	
	Soil Tech III		200 Hrs	\$100/HR	\$ 20,000.00	
	HMA Tech III		32 Hrs	\$100/HR	\$ 3,200.00	
Direct Costs	Vehicle	Mileage	1400 miles	\$0.545	\$ 763.00	
	Nuclear Gauge		33 days	\$50/Day	\$ 1,650.00	
	Concrete Cylinders		74 Each	\$16/Each	\$ 1,184.00	\$ 29,997.00