

**RESOLUTION NO. 05-06**

**A RESOLUTION FOR ENGINEERING SERVICES  
AGREEMENT FOR FEDERAL PARTICIPATION**

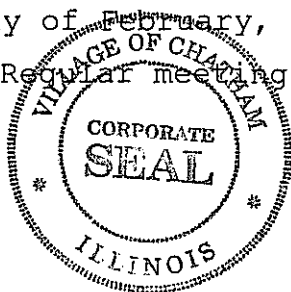
**BE IT RESOLVED by the President and Board of Trustees** of the Village of Chatham, Sangamon County, Illinois as follows:

**Section 1:** This Agreement is made and entered into this 14<sup>th</sup> day of February, 2006 between the Village of Chatham and Greene and Bradford, Inc and covers certain professional engineering services with the project on Gordon Drive from Mau Drive to Ramblewood Lane. Federal-aid funds allotted to the Village of Chatham by the State of Illinois Department of Transportation will be used entirely or in part to finance engineering services as described under Agreement Provisions.

**Section 2:** The officers of the village are hereby directed to execute the agreement on behalf of the village.

**Section 3:** This Resolution shall be in full force and effect from and after its passage and approval as provided by law.


**Passed** this 12<sup>th</sup> day of February, 2006; by a vote of 6 yea, 0 nay, 0 absent at a Regular meeting of the Board of Trustees



*Thomas S Gray*  
Thomas S. Gray, President  
Village of Chatham

ATTEST:

*Pat Schad*  
Pat Schad, Clerk

Local Agency CHATHAM	L O C A L  A G E N C Y	 <b>Illinois Department of Transportation</b>  <b>Preliminary Engineering Services Agreement For Federal Participation</b>	C O N S U L T A N T	Consultant Greene & Bradford, Inc.
County SANGAMON				Address 3501 Constitution Drive
Section				City Springfield
Project No.				State IL
Job No.				Zip Code 62711
Contact Name/Phone/E-mail Address Meredith Branham 217-483-4715				Contact Name/Phone/E-mail Address Jay E. Jessen - 217-793-8844 jayj@greeneandbradford.com

THIS AGREEMENT is made and entered into this 14th day of February, 2006 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 Gordon Drive Route N/A Length 0.30 mi. Structure No. \_\_\_\_\_

Termini Ramblewood to Hurstbourne Lane

Description Design of Gordon Drive to 3-lane curb section with widening of existing box culvert.

#### 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 180 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:
- 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,
  - 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
  - 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.
  - are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
  - 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,
  - 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
  - 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. Scope of Services to be provided by the ENGINEER:
- 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,

- 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]

Direct Labor Multiple  DLM = [(2.8 + 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  \$56,000.00

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 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.

4. 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.).

### 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 therefrom. 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.

Executed by the LA:

VILLAGE OF CHATHAM

(Municipality/Township/County)

ATTEST:

By: \_\_\_\_\_

VILLAGE \_\_\_\_\_ Clerk

By: Thomas S Gray

Title: VILLAGE PRESIDENT

(SEAL)

Executed by the ENGINEER:

ATTEST:

By: \_\_\_\_\_

Title: Senior Engineer

Greene & Bradford, Inc.

By: \_\_\_\_\_

Title: President



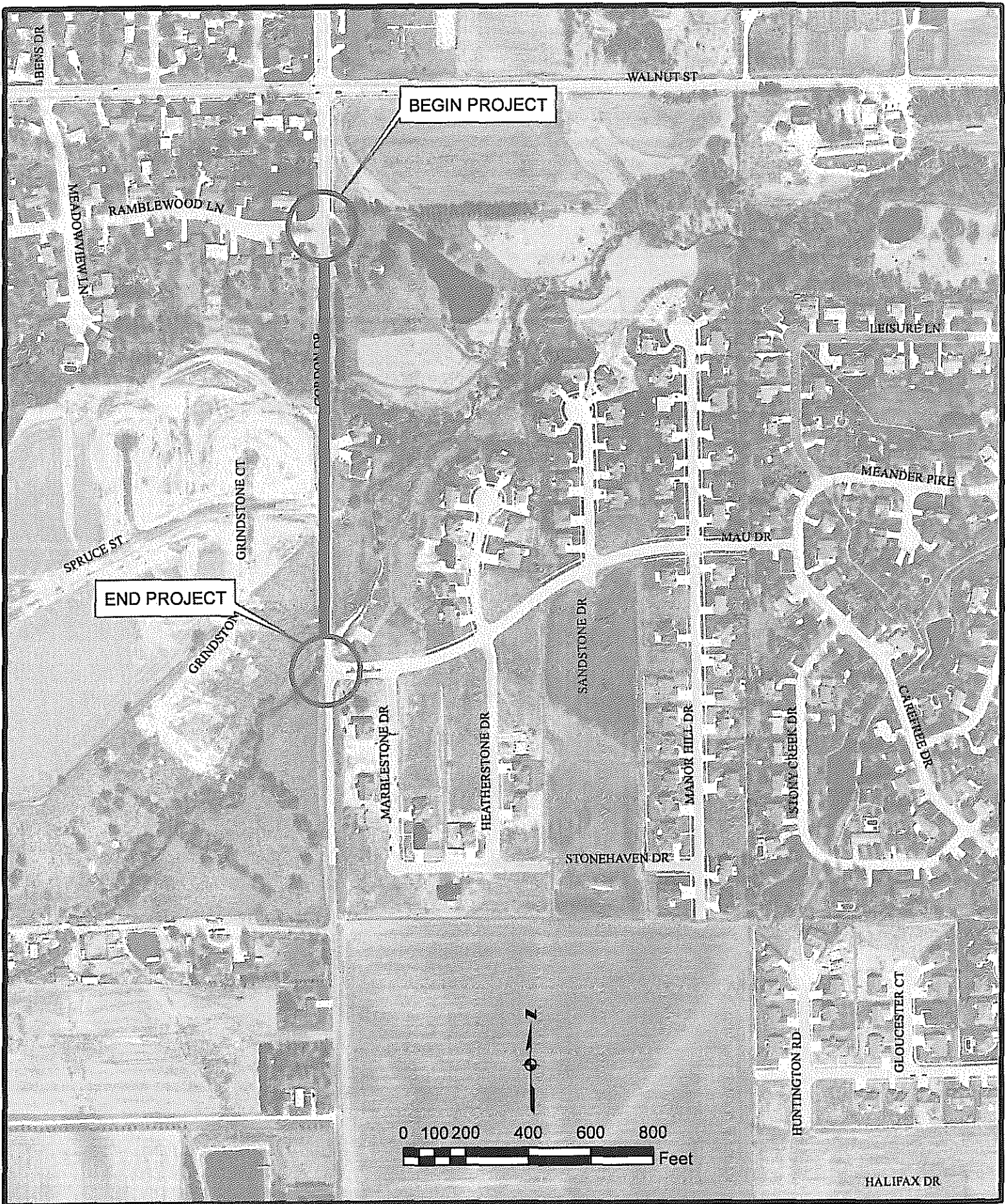


EXHIBIT A



**PAYROLL ESCALATION TABLE  
FIXED RAISES  
NEW FORMULA**

FIRM NAME  
PRIME/SUPPLEMENT

Greene and Bradford, Inc.  
Prime

DATE 01/25/06  
PTBNO. \_\_\_\_\_

CONTRACT TERM 7 MONTHS  
START DATE 10/1/2006  
RAISE DATE 1/1/2007

OVERHEAD RATE 280.00%  
COMPLEXITY FACTOR 0  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

10/1/2006 - 1/1/2007

1/2/2007 - 5/1/2007

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3  
7

4  
7

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= 42.86%  
= 1.0171

58.86%

1.71%

**The total escalation for this project would be:**





### Average Hourly Project Rates

Route Gordon Drive  
 Section \_\_\_\_\_  
 County Sangamon  
 Job No. \_\_\_\_\_  
 PTB/Item \_\_\_\_\_

Consultant Greene and Bradford, Inc.

Date 01/27/06

Sheet 1 OF 3

Payroll Classification	Avg Hourly Rates	Total Project Rates			Administration			QA/QC			Surveys			Right of Way			Public Hearing/Meeting		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Construction Observer	\$20.63	0																	
Chief Operating Officer	\$38.14	0																	
Eng. Sys. Support Spec.	\$29.72	0																	
MFT Administrator	\$24.77	0																	
Principle	\$45.33	0																	
Project Engineer	\$32.72	0																	
Project Engineer II	\$32.86	0																	
Project Manager	\$28.92	0																	
Senior Engineer	\$44.50	48	7.88%	3.51	24	100.00%	44.50	24	100.00%	44.50									
Senior Land Surveyor	\$36.55	38	6.24%	2.28							24	33.33%	12.18	14	50.00%	18.27			
Sen. Project Engineer I	\$36.53	171	28.08%	10.26													8	50.00%	18.26
Structural Engineer	\$39.13	8	1.31%	0.51															
Bridge Design Engineer	\$35.24	16	2.63%	0.93															
Structural Technician	\$24.57	16	2.63%	0.65															
Survey Crew Chief	\$27.73	24	3.94%	1.09							24	33.33%	9.24						
Tech. Manager - Struct.	\$26.56	0																	
Technician II	\$17.02	137	22.50%	3.83							24	33.33%	5.67	14	50.00%	8.51	8	50.00%	8.51
Technician III	\$19.23	151	24.79%	4.77															
Technician IV	\$24.05	0																	
Secretary	\$17.29	0																	
Receptionist	\$7.30	0																	
Accounting Manager	\$19.05	0																	
Office Manager	\$21.81	0																	
		0																	
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<b>TOTALS</b>		<b>609</b>	<b>100%</b>	<b>\$27.82</b>	<b>24</b>	<b>100%</b>	<b>\$44.50</b>	<b>24</b>	<b>100%</b>	<b>\$44.50</b>	<b>72</b>	<b>100%</b>	<b>\$27.10</b>	<b>28</b>	<b>100%</b>	<b>\$26.78</b>	<b>16</b>	<b>100%</b>	<b>\$26.77</b>







**GREENE & BRADFORD, INC.**  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, IL 62711  
 (217) 793-8844  
 (217) 793-6227 FAX  
[www.greeneandbradford.com](http://www.greeneandbradford.com)

PROJECT NUMBER:  
 DESCRIPTION:  
 CALCULATED BY: JAC  
 CHECKED BY:  
 DATE: 1/26/2006  
 DATE:

ROUTE: Gordo'n Drive  
 SECTION:  
 CITY: Chatham  
 PTB/ITEM:  
 FILE NO.  
 SUPPLEMENT

**PHASE II MANHOURLY WORK SHEET SUMMARY  
 NEGOTIATIONS**

PLAN SHEET DESCRIPTIONS	CONSULTANT'S ESTIMATE			DISTRICT'S ESTIMATE			NEGOTIATED HOURS		
	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.
<b>PRE-FINAL ROADWAY PLANS</b>									
COVER SHEET	1	8	8			0			0
GENERAL NOTES	1	8	8			0			0
STANDARDS, LEGEND, UTILITIES AND COMMITMENTS	1	8	8			0			0
SUMMARY OF QUANTITIES	1	8	8			0			0
TYPICAL SECTIONS	1	12	12			0			0
SCHEDULE OF QUANTITIES	2	12	24			0			0
STORM SEWER DRAINAGE SCHEDULE			0						
ALIGNMENT SCHEMATIC AND TIES	1	12	12			0			0
TRAFFIC CONTROL ADVANCED SIGNING SHEETS			0						
TRAFFIC CONTROL TYPICAL SECTIONS			0						
TRAFFIC CONTROL & STAGING PLANS	2	20	40						0
REMOVAL SHEETS - SCALE 1"=20'			0			0			0
PLAN AND PROFILE SHEETS - SCALE 1"=20'	3	30	90			0			0
ROADWAY DETAIL SHEETS - SCALE 1"=10'			0			0			0
ENTRANCE DETAILS	2	10	20						
BUTT JOINT DETAILS	1	6	6						
GRADING DETAILS			0						
AGGREGATE DITCH AND RIPRAP DETAILS			0						
MAILBOX TURNOUT DETAILS			0						
DRAINAGE PLAN SHEETS - SCALE 1"=20'			0			0			0
DRAINAGE PROFILE SHEETS - SCALE 1" = 20'			0						
DRAINAGE DETAIL SHEETS									
MANHOLE, SPECIAL			0						
CONFLICT MANHOLES			0						
DRAINAGE STRUCTURE DETAILS			0						
CONCRETE COLLAR DETAILS			0						
UTILITIES SHEETS - SCALE 1"=20'			0			0			0
WATER MAIN DETAILS			0						
RIGHT - OF - WAY PLANS			0			0			0
PAVEMENT MARKING	2	12	24			0			0
LANDSCAPING / EROSION CONTROL PLANS	2	12	24			0			0
PAVEMENT JOINT PLANS			0						
TRAFFIC SIGNALS PLANS			0			0			0
LIGHTING PLANS			0			0			0
INTERSECTION DETAILS			0			0			0
DISTRICT DETAILS	2	1	2			0			0
SIGNING DETAILS			0			0			0
EARTHWORK DETAILS			0			0			0
MAINLINE CROSS SECTIONS	8	3	24			0			0
SIDEROAD CROSS SECTIONS			0			0			0
<b>CULVERT PLANS</b>						0			0
PRELIMINARY CULVERT PLANS	2	16	32			0			0
GENERAL PLAN AND ELEVATION			0			0			0



**GREENE & BRADFORD, INC.**  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, IL 62711  
 (217) 793-8844  
 (217) 793-6227 FAX  
 www.greeneandbradford.com

**PROJECT NUMBER:**  
**DESCRIPTION:**  
**CALCULATED BY:** JAC **DATE:** 1/26/2006  
**CHECKED BY:** **DATE:**

**ROUTE:** Gordon Drive  
**SECTION:**  
**CITY:** Chatham  
**PTB/ITEM:**  
**FILE NO.:**  
**SUPPLEMENT:**

**PHASE II MANHOOR WORK SHEET SUMMARY  
 NEGOTIATIONS**

PLAN SHEET DESCRIPTIONS	CONSULTANT'S ESTIMATE			DISTRICT'S ESTIMATE			NEGOTIATED HOURS		
	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.
STAGING			0			0			0
CULVERT DESIGN			0			0			0
BORINGS			0			0			0
FINAL CULVERT PLANS			0			0			0
<b>BRIDGE PLANS</b>									
EXISTING BRIDGE PLANS			0			0			0
PRELIMINARY BRIDGE PLANS			0			0			0
PLAN DEVELOPMENT OUTLINE			0			0			0
GENERAL PLAN AND ELEVATION			0			0			0
STAGING			0			0			0
CONCRETE BARRIERS			0			0			0
DECK ELEVATIONS			0			0			0
SUPERSTRUCTURE			0			0			0
SUPERSTRUCTURE DETAILS			0			0			0
PARAPET OR RAILING			0			0			0
FRAMING PLAN			0			0			0
PIERS			0			0			0
ABUTMENTS			0			0			0
PILES / ANALYSIS			0			0			0
BORINGS			0			0			0
FINAL BRIDGE PLANS			0			0			0
<b>RETAINING WALL PLANS</b>									
GENERAL NOTES AND DETAILS			0			0			0
RETAINING WALL PLANS			0			0			0
PANEL DETAILS			0			0			0
BORING LOGS			0			0			0
<b>FINAL ROADWAY PLANS (5% OF PRE-FINAL PLANS)</b>									
<b>SUBTOTAL</b>			<b>342</b>			<b>0</b>			<b>0</b>
<b>MISCELLANEOUS ITEMS</b>									
ROADWAY QUANTITIES			24			0			0
BRIDGE QUANTITIES			8			0			0
CULVERT QUANTITIES			1			0			0
LIST OF POSSIBLE UTILITY CONFLICTS			16			0			0
SPECIAL PROVISIONS / CONTRACT DOCUMENTS			2			0			0
SUBCONSULTANT COORDINATION			24			0			0
PAVEMENT ANALYSIS			16			0			0
QC/QA									
PUBLIC HEARING / MEETING									
COMPILE SUPPLEMENT PLANS									
PHASE 3 INVOLVEMENT									





**GREENE & BRADFORD, INC.**  
 3501 CONSTITUTION DRIVE  
 SPRINGFIELD, IL 62711  
 (217) 793-6144  
 (217) 793-6227 FAX  
 www.greeneandbradford.com

PROJECT NUMBER:  
 DESCRIPTION:  
 CALCULATED BY: JAC                      DATE: 1/26/2006  
 CHECKED BY:                              DATE:

ROUTE: Gordon Drive  
 SECTION:  
 CITY: Chatham  
 PTB/ITEM:  
 FILE NO.  
 SUPPLEMENT

**PHASE II MANHOOR WORK SHEET SUMMARY  
 NEGOTIATIONS**

PLAN SHEET DESCRIPTIONS	CONSULTANT'S ESTIMATE			DISTRICT'S ESTIMATE			NEGOTIATED HOURS		
	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.	# OF SHEETS	HRS / SHEET	TOTAL HRS.
PROJECT DEVELOPMENT REPORT			40						
PRELIMINARY PLAN REVIEW									
PREFINAL PLAN REVIEW									
FINAL PLAN REVIEW									
REVIEW DATA SUPPLIED FROM DISTRICT									
ESTIMATE OF TIME			2						
ESTIMATE OF COST			2						
PHONE / EMAIL CONVERSATIONS									
ADMINISTRATION			24						
HYDRAULIC REPORT									
DRAINAGE REPORT									
TS&L									
STRUCTURE REPORT									
BRIDGE CONDITION REPORT									
FIELD CHECK									
FIELD CHECK (1 PERSON X 8 HOURS)			8						
CLEAR ZONE ENCROACHMENT SURVEY (1 PERSON X 4 HRS.)									
FIELD CHECK TRAVEL TIME (2 PEOPLE X 5 HRS.)									
SURVEYING (SEE ATTACHED MANHOOR JUSTIFICATION)			72						
LOCATE CONTROL									
LEVEL CIRCUIT									
SET CONTROL POINTS									
STATION CENTERLINE									
STATION SIDE ROADS									
CROSS TIES									
CROSS SECTION MAINLINE RURAL									
CROSS SECTION MAINLINE URBAN									
TOPO MAINLINE RURAL									
TOPO MAINLINE URBAN									
CROSS SECTION SIDE ROAD RURAL									
CROSS SECTION SIDE ROAD URBAN									
TOPO SIDE ROAD RURAL									
TOPO SIDE ROAD URBAN									
HYDRAULIC SURVEY - BRIDGE									
HYDRAULIC SURVEY - CULVERT									
SEWER INVERTS									
WEATHER (INCLEMENT)									
TRAVEL TIME									
RIGHT OF WAY PLANS (SEE ATTACHED MANHOOR JUST.)			28						
PLANS									
PLATS									
DESCRIPTIONS									



**DIRECT COSTS**  
 Village of Chatham  
 Gordon Drive

**GREENE & BRADFORD, INC.**  
 3501 Constitution Drive  
 Springfield, IL 62711  
 (217) 793-8844  
 (217) 793-8844 fax  
[www.greeneandbradford.com](http://www.greeneandbradford.com)



**UNIT COSTS**

**REPRODUCTION**

Full Size Copies - 24" x 36"	\$	1.00 / Sheet
Half Size Copies	\$	0.75 / Sheet
Full Size Mylars	\$	10.00 / Sheet
Sepias	\$	3.00 / Each
Color Copies - 24" x 36"	\$	10.00 / Each
Color Copies - 18" x 24"	\$	8.00 / Each
Color Copies - 11" x 17"	\$	2.00 / Each
Color Copies - 8.5" x 11"	\$	1.00 / Each
Xerox Copies	\$	0.10 / Sheet

**MEALS**

Breakfast & Lunch	\$	6.50 / Day
Dinner	\$	18.00 / Day
Per Diem	\$	31.00 / Day

**MISCELLANEOUS**

Lodging	\$	70.00 / Night
Photographs	\$	10.00 / Roll
Mileage	\$	0.375 / Mile
Recording Fees	\$	30.00 / Each
Courthouse Fees	\$	10.00 / Each
Field Books	\$	10.00 / Each
CADD Seat Time	\$	11.10 / Hour
Airborne Letter	\$	13.00 / Each
Airborne Package	\$	17.00 / Each

**TOTAL SHEETS**

Roadway and Structure Plans	40 Sheets
Plan and Profile Sheets	3 Sheets
Right of Way Plans	Sheets
Utility Plans	Sheets
Hydraulic Report	Sheets
Bridge Condition Report	Sheets
TS&L Plans	Sheets
Quantity Computations	50 Sheets
Survey Book	Sheets
Contract Documents	25 Sheets
Special Provisions	5 Sheets
Property Corners	Each

**LAND SURVEYING**

1 Field Days	+	0 Weather and Travel Days
1 Days	=	0 Weeks
1 Weeks for a 3 man crew		1 Vehicle
Weeks for a 2 man crew		1 Vehicles
0 Weeks for a 4 man crew		2 Vehicles
20 Miles from Springfield		
10 Field miles/day		

**POSTAGE**

Actual Cost Estimated

**PROJECT COSTS**

**PRELIMINARY UTILITY PLAN**

Full Size	Sets	0	X	0	=	0 @	\$	1.00 = \$	0.00
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**PRELIMINARY SUBMITTAL**

Full Size	1 Sets	1	X	40	=	40 @	\$	1.00 = \$	40.00
Half Size	4 Sets	4	X	40	=	160 @	\$	0.75 = \$	120.00
Hydraulic Report	Sets	0	X	0	=	0 @	\$	0.10 = \$	0.00
BCR	Sets	0	X	0	=	0 @	\$	0.10 = \$	0.00
TS&L	Sets	0	X	0	=	0 @	\$	0.10 = \$	0.00
Survey Book	Sets	0	X	0	=	0 @	\$	0.10 = \$	0.00
Check Plots	4 Sets	4	X	40	=	160 @	\$	0.75 = \$	120.00

**PRE-FINAL UTILITY PLANS**

Full Size	Sets	0	X	0	=	0 @	\$	1.00 = \$	0.00
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**PREFINAL SUBMITTAL**

Full Size	1 Sets	1	X	40	=	40 @	\$	1.00 = \$	40.00
Half Size	4 Sets	4	X	40	=	160 @	\$	0.75 = \$	120.00
Special Provisions	4 Sets	4	X	30	=	120 @	\$	0.10 = \$	12.00

**FINAL SUBMITTAL**

Full Size	3 Sets	3	X	40	=	120 @	\$	1.00 = \$	120.00
Full Size(Mylar)	1 Sets	1	X	5	=	5 @	\$	10.00 = \$	50.00
Half Size	4 Sets	4	X	40	=	160 @	\$	0.75 = \$	120.00
Hydraulic Report	Sets	0	X	0	=	0 @	\$	0.10 = \$	0.00
Special Provisions	4 Sets	4	X	30	=	120 @	\$	0.10 = \$	12.00
Quantity Comps	2 Sets	2	X	50	=	100 @	\$	0.10 = \$	10.00
Check Plots	2 Sets	2	X	40	=	80 @	\$	0.75 = \$	60.00

**MEETINGS/MISCELLANEOUS TRAVEL**

Lunch	1 mtgs	2 People		2 @	\$	6.50 = \$	13.00
Mileage	1 trips	40 miles/trip		40 @	\$	0.375 = \$	15.00

**FIELD CHECK**

Breakfast	meals	People		0 @	\$	6.50 = \$	0.00
Lunch	1 meals	2 People		2 @	\$	6.50 = \$	13.00
Dinner	meals	People		0 @	\$	18.00 = \$	0.00
Lodging	room	Nights		0 @	\$	70.00 = \$	0.00

**MISCELLANEOUS**

Maps (USGS, Sidwell, etc.) (Estimated)					\$		
Photographs	20 photographs			20 @	\$	1.00 = \$	20.00

LAND SURVEYING

Lodging	0 Rooms	1 Weeks	1 Nights/Week	@	\$ 70.00 = \$	0.00
Meals	0 Weeks	0 Days	3 man crew	@	\$ 31.00 = \$	0.00
Field Book	1 Book			@	\$ 10.00 = \$	10.00
Mileage	3 trips	40 miles/trip		120 @	\$ 0.375 = \$	45.00

POSTAGE

Preliminary Plan Submittal		1 packages @	\$ 40 per package	\$	75.00
Pre-Final Plan Submittal		1 packages @	\$ 40 per package	\$	75.00
Final Plan Submittal		1 packages @	\$ 40 per package	\$	75.00

CADD SEAT

16 hours MicroStation (Structural Tech)	\$	177.60
151 hours GeoPak (Tech III)	\$	1,676.10
137 hours MicroStation (Tech II)	\$	1,520.70

OVERTIME

Preliminary Plans	hours	Average Hourly Rate	\$	0.00
Pre-Final Plans	hours	Average Hourly Rate	\$	0.00
Final Plans	hours	Average Hourly Rate	\$	0.00
Surveying	hours	Average Hourly Rate	\$	0.00

Miscellaneous Items

Facility Rental for Public Meetings	\$	
Testing of Soil Samples	\$	4,000.00
Lab Services	\$	
Equipment Rental	\$	
Storm sewer cleaning and televising	\$	
Traffic control and protection	\$	
Aerial photography and mapping	\$	
<b>TOTAL DIRECT COSTS</b>	<b>\$</b>	<b>8,539.40</b>

