

NOV - 2 2015

ORDINANCE NO. 3215

AN ORDINANCE ENTERING INTO AN AGREEMENT FOR PROFESSIONAL SERVICES WITH OATES ASSOCIATES, INC. (OATES, INC.) OF COLLINSVILLE, ILLINOIS TO RENDER ENGINEERING SERVICES TO THE CITY OF COLUMBIA, ILLINOIS IN CONNECTION WITH THE IL ROUTE 3 AND GALL ROAD INTERSECTION IMPROVEMENTS

Debra Staffl
City Clerk

WHEREAS, the City Council of the City of Columbia, Illinois (City) has found and determined and does hereby declare that it is necessary and appropriate that the City employ Oates Associates, Inc. (Oates, Inc.) to provide professional services to the City for preliminary engineering associated with the Illinois Route 3 and Gall Road Intersection Improvements.

NOW, THEREFORE, BE IT ORDAINED, by the City Council of the City of Columbia, Illinois, as follows:

Section 1. The recitals contained above in the preamble of this Ordinance are hereby incorporated herein by reference, the same as if set forth in this Section of this Ordinance verbatim, as findings of the City Council of the City of Columbia, Illinois.

Section 2. The City Council of the City does hereby authorize the employment of Oates Associates, Inc. to provide the professional services to the City with regard to the City's Il Route 3 and Gall Road Intersection Improvement Project. The Mayor is hereby authorized and directed to execute and deliver to Oates Associates, Inc. (Oates, Inc.), for and on behalf of the City, the "Preliminary Engineering Services Agreement for Federal Participation" between the City of Columbia, Illinois and Oates Associates, Inc. (Oates, Inc.) for the lump sum not to exceed amount of Eighty Four Thousand (\$84,000.00) in the form attached hereto, which is hereby approved as to form, in as many counterparts as the Mayor shall determine.

Section 3. This ordinance shall be in full force and effect from and after its passage, as provided by law.

Alderman Ebersohl moved the adoption of the above and foregoing Ordinance; the motion was seconded by Alderman Martens, and the roll call vote was as follows:

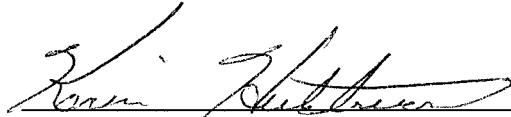
YEAS: Aldermen Ebersohl, Agne, Niemietz, Roessler, Huch, Reis, Holtkamp
and Martens.

NAYS: None.

ABSENT: None.

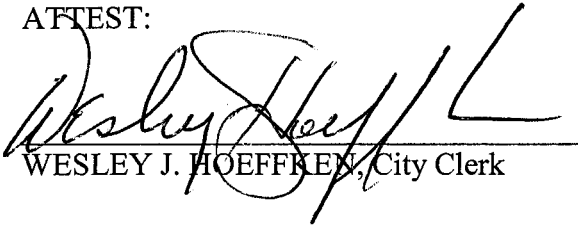
ABSTENTIONS: None.

PASSED by the City Council and APPROVED by the Mayor this 2nd day of November,
2015.



KEVIN B. HUTCHINSON, Mayor

ATTEST:



WESLEY J. HOFFKEN, City Clerk

(SEAL)

STATE OF ILLINOIS)
) SS
COUNTY OF MONROE)

CERTIFICATE OF TRUE COPY

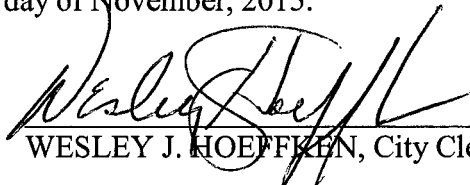
I, Wes Hoeffken, hereby certify that I am the duly appointed and acting City Clerk of the City of Columbia, Illinois and as such I am the keeper of the books, records, files and corporate seal of said City.

I do further certify that Ordinance No. 3215, entitled:

**“AN ORDINANCE ENTERING INTO AN AGREEMENT
FOR PROFESSIONAL SERVICES WITH OATES
ASSOCIATES, INC. (OATES, INC.) OF COLLINSVILLE,
ILLINOIS TO RENDER ENGINEERING SERVICES TO
THE CITY OF COLUMBIA, ILLINOIS IN CONNECTION
WITH THE IL ROUTE 3 AND GALL ROAD
INTERSECTION IMPROVEMENT PROJECT”**

to which this certificate is attached, is a true, perfect, complete and correct copy of said ordinance as adopted at a regular meeting of the Columbia, Illinois City Council held on the 2nd day of November, 2015.

IN WITNESS WHEREOF, I have made and delivered this certificate for the uses and purposes hereinabove set forth this 2nd day of November, 2015.



WESLEY J. HOEFFKEN, City Clerk

(SEAL)



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 9, 2016

RECEIVED

JUN 17 2016

CITY OF COLUMBIA, IL

Mr. Wes Hoeffken
City Clerk
208 S Rapp Ave.
Columbia, Illinois 62236

Subject: City: Columbia
Section: 15-00052-00-PV
Project: CMM-5011(483)
Job: P-98-316-15
Preliminary Engineering Agreement
Consultant: Oates Associates, Inc.
\$83,967.07 (federal share \$67,173.66)

Dear Mr. Hoeffken:

Funds for the enclosed agreement were approved by the department and authorized by the Federal Highway Administration on June 3, 2016. The city may authorize the consultant to proceed with the engineering work.

Phase II is also authorized with the understanding no work will begin until environmental approval is given and you have been notified by the district to proceed with Phase II work.

Please contact Joseph Verdeyen (Joseph.Verdeyen@illinois.gov) if you have any questions.

Sincerely,

Salmon Danmole, P.E.
Acting Engineer of Local Roads and Streets

A handwritten signature in cursive script, reading "Gregory S. Lupton".

By: Gregory S. Lupton, P.E.
Acting Local Project Implementation Engineer

Enclosure

cc: Kevin Hutchinson, Mayor
Jeff Keirn Attn: Jim Mollet (Acting) - District 8
Roxy Heck (Attn: Project Control)
Oates Associates, Inc.

Local Agency City of Columbia, IL	LOCAL AGENCY	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Federal Participation	CONSULTANT	Consultant Oates Associates, Inc.
County Monroe				Address 100 Lanter Court
Section 15-00052-00-PV				City Collinsville
Project No.				State IL
Job No. P-98-316-15				Zip Code 62234
Contact Name/Phone/E-mail Address Chris Smith 618-281-7144 csmith@columbiaillinois.com		Contact Name/Phone/E-mail Address Tom Cissell (618) 345-2200 x131 tom.cissell@oatesassociates.com		

THIS AGREEMENT is made and entered into this 2 day of November, 2015 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 Gall Road/ IL-3 Intersection Route Length 0.06-mi Structure No. N/A

Termini Gall Road from IL-3 to the creek crossing (about 300' east of the intersection)

Description Improvements will generally consist of widening Gall Road for a new left-turn lane at IL-3 with new hot-mix asphalt pavement, curb and gutter, storm sewer, and loop detectors for detecting vehicles at the traffic signal.

Agreement Provisions

I. THE ENGINEER AGREES,

- 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.
- 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.
- To complete the services herein described within 360 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.
- 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.
- 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.
- 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.
- 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.
- That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

- 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:
- ☒ 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 = $DL + DL(OH) + 14.5\%[DL + R(DL) + OH(DL) + IHDC]$, 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 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 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 (31 U.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.

Agreement Summary

Prime Consultant:	TIN Number	Agreement Amount
Oates Associates, Inc.	37-1256935	\$83,967.07
Sub-Consultants:	TIN Number	Agreement Amount
Sub-Consultant Total:		\$0.00
Prime Consultant Total:		\$83,967.07
Total for all Work:		\$83,967.07

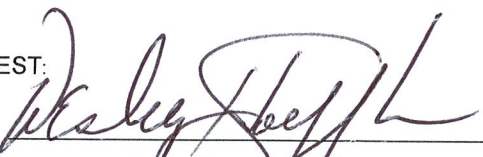
Executed by the LA:

City of Columbia, IL

(Municipality/Township/County)

ATTEST:

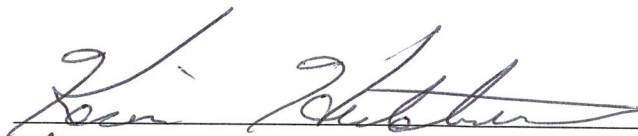
By:


Wesley J. Hoeffken, City Clerk

(SEAL)

By:

Title:


Mayor

Executed by the ENGINEER:

ATTEST:

By:

Title:

Joseph G. Hagerty

CEO

Oates Associates, Inc.

By:

Title:

Bruce P. Schopp

President/ COO

Route: _____

Local Agency: _____

(Municipality/Township/County)

Section: _____

Project: _____

Job No.: _____

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

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

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 | ☐ | |

[illegible]



BLR 05610 (Rev. 11/21/13)



Illinois Department
of Transportation

PAYROLL ESCALATION TABLE
FIXED RAISES
NEW FORMULA

FIRM NAME
PRIME/SUPPLEMENT

OATES ASSOCIATES, INC.

DATE 10/06/15
PTB NO.

CONTRACT TERM 11 MONTHS
START DATE 2/15/2016
NEXT RAISE DATE 7/1/2016
COMPLETION DATE 1/14/17

OVERHEAD RATE 163.01%
COMPLEXITY FACTOR 0.000
% OF RAISE 3.00%

0.00
0.035
0.07

ESCALATION PER YEAR

2/15/2016 - 7/1/2016

7/1/2016 - 1/14/2017

5
11

6
11

45.45%

54.55%

101.6364%

The total escalation for this project would be:

1.64%



**Illinois Department
of Transportation**

PAYROLL RATES

FIRM NAME OATES ASSOCIATES, INC. DATE 10/06/15
PRIME/SUPPLEMENT _____
PTB NO. _____

ESCALATION FACTOR 1.64%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
PRINCIPAL	72.11	70.00
SR. PROFESSIONAL II	61.67	62.67
SR. PROFESSIONAL I	54.65	55.54
PROFESSIONAL IV	49.52	50.33
PROFESSIONAL III	46.03	46.78
PROFESSIONAL II	42.55	43.25
PROFESSIONAL I	35.67	36.26
JUNIOR PROFESSIONAL	27.72	28.18
TECHNICIAN III	40.34	41.00
TECHNICIAN II	34.38	34.94
TECHNICIAN I	27.64	28.09
TECHNICIAN INTERN	16.00	16.26



Illinois Department of Transportation

COST ESTIMATE OF CONSULTANT SERVICES

(Cost Plus Fixed Fee)

Firm OATES ASSOCIATES, INC.
 Intersection: IL-3 & Gall Road
 Section Columbia, IL
 County Monroe
 Job No. 15006
 PTB & Item

DATE: 10/06/15
 Overhead Rate: 163.01%
 Complexity Factor: 0.000

DBE DROP BOX	ITEM	Person Hours (A)	Payroll (B)	Overhead & Fringe Benefits (C)	In-House Direct Costs (D)	Fixed Fee (E)	Outside Direct Costs (F)	Services By Others (G)	DBE Total (B+C+D+E+F+G)	Total (B+C+D+E+F+G)	% of Grand Total
	1.0 FIELD SURVEYS	80	\$2,675.20	\$4,360.84		\$1,020.23				\$8,056.27	9.59
	2.0 INTERSECTION DESIGN STUDIES	107	\$3,623.02	\$5,905.88		\$1,381.69				\$10,910.59	12.99
	3.0 PROJECT DEVELOPMENT REPORT	156	\$5,723.64	\$9,330.11		\$2,182.79				\$17,236.54	20.53
	5.0 DRAINAGE	24	\$768.96	\$1,253.48		\$293.25				\$2,315.69	2.76
	6.0 UTILITY AND RAILROAD AGREEMENTS	18	\$640.08	\$1,043.39		\$244.10				\$1,927.57	2.30
	10.0 PRELIMINARY ROAD DESIGN	134	\$4,450.14	\$7,254.17		\$1,697.12				\$13,401.43	15.96
	11.0 FINAL PLANS/ DOCUMENTS	229	\$7,914.24	\$12,901.00		\$3,018.21				\$23,833.45	28.38
	12.0 RIGHT OF WAY	40	\$1,457.20	\$2,375.38		\$555.72				\$4,388.30	5.23
	14.0 ADMINISTRATION/ MANAGEMENT	4	\$280.00	\$456.43		\$106.78				\$843.21	1.00
	15.0 QA/QC	5	\$350.00	\$570.54		\$133.48				\$1,054.02	1.26
	TOTALS	797	\$27,882.48	\$45,451.22	\$0.00	\$10,633.37	\$0.00	\$0.00	\$0.00	\$83,967.07	100.00



City: Columbia, IL
County: Monroe
Job No.: 15006
PTB & Item

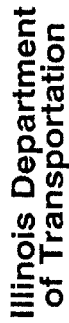
Average Hourly Project Rates

Consultant **OATES ASSOCIATES, INC.**

Date 10/06/15

Sheet 1 OF 4

PAYROLL CLASSIFICATION		AVG HOURLY RATES	TOTAL PROJECT RATES			FIELD SURVEYS			INTERSECTION DESIGN STUDIES			PROJECT DEVELOPMENT REPORT		
			HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PRINCIPAL		70.00	9.00	1.13	0.79	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
SR. PROFESSIONAL II		62.67	12.00	1.51	0.94	4	5.00	3.13	0	0.00	0.00	0	0.00	0.00
SR. PROFESSIONAL I		55.54	12.00	1.51	0.84	0	0.00	0.00	2	1.87	1.04	4	2.56	1.42
PROFESSIONAL IV		50.33	181.00	22.71	11.43	4	5.00	2.52	25	23.36	11.76	55	35.26	17.74
PROFESSIONAL III		46.78	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL II		43.25	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL I		36.26	10.00	1.25	0.45	4	5.00	1.81	0	0.00	0.00	0	0.00	0.00
JUNIOR PROFESSIONAL		28.18	541.00	67.88	19.13	44	55.00	15.50	80	74.77	21.07	97	62.18	17.52
TECHNICIAN III		41.00	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN II		34.94	32.00	4.02	1.40	24	30.00	10.48	0	0.00	0.00	0	0.00	0.00
TECHNICIAN I		28.09	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN INTERN		16.26	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTALS			797	100	\$34.98	80	100	\$33.44	107	100	\$33.86	156	100	\$36.69



Intersection: IL-3 & Gall Road
City: Columbia, IL
County Monroe
Job No. 15006
PTB & Item

Average Hourly Project Rates

Consultant **OATES ASSOCIATES, INC.**

10/06/15

Sheet 2 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	HYDRAULIC DATA & REPORT			DRAINAGE			UTILITY AND RAILROAD AGREEMENT			SOILS ANALYSIS AND REPORT		
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PRINCIPAL	70.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
SR. PROFESSIONAL II	62.67	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
SR. PROFESSIONAL I	55.54	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL IV	50.33	0	0.00	0.00	2	8.33	4.19	6	33.33	16.78	0	0.00	0.00
PROFESSIONAL III	46.78	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL II	43.25	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL I	36.26	0	0.00	0.00	6	25.00	9.06	0	0.00	0.00	0	0.00	0.00
JUNIOR PROFESSIONAL	28.18	0	0.00	0.00	16	66.67	18.78	12	66.67	18.78	0	0.00	0.00
TECHNICIAN III	41.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN II	34.94	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN I	28.09	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN INTERN	16.26	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00



Intersection: IL-3 & Gall Road

City:	Columbia, IL
County	Monroe
Job No.	15006
PTB & Item	

Average Hourly Project Rates

Consultant
OATES ASSOCIATES, INC.

Date 10/06/15Sheet 3 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	STRUCTURE RPTS/ TS & L DRAWING				STRUCTURE PLANS				PRELIMINARY ROAD DESIGN				FINAL PLANS/ DOCUMENTS			
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	
PRINCIPAL I	70.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
SR. PROFESSIONAL II	62.67	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
SR. PROFESSIONAL I	55.54	0	0.00	0.00	0	0.00	0.00	2	1.49	0.83	4	1.75	0.97				
PROFESSIONAL IV	50.33	0	0.00	0.00	0	0.00	0.00	28	20.90	10.52	61	26.64	13.41				
PROFESSIONAL III	46.78	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
PROFESSIONAL II	43.25	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
PROFESSIONAL I	36.26	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
JUNIOR PROFESSIONAL	28.18	0	0.00	0.00	0	0.00	0.00	104	77.61	21.87	164	71.62	20.18				
TECHNICIAN III	41.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
TECHNICIAN II	34.94	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
TECHNICIAN I	28.09	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
TECHNICIAN INTERN	16.26	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
TOTALS		0	0	\$0.00	0	0	\$0.00	134	100	\$33.21	229	100	\$34.56				



PTB & Item

Average Hourly Project Rates

Date 10/06/15

Sheet 4 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	RIGHT OF WAY			CONSTRUCTION PHASE SERVICES			ADMINISTRATION/ MANAGEMENT			QA/QC		
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PRINCIPAL I	70.00	0	0.00	0.00	0	0.00	0.00	4	100.00	70.00	5	100.00	70.00
SR. PROFESSIONAL II	62.67	8	20.00	12.53	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
SR. PROFESSIONAL I	55.54	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL IV	50.33	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL III	46.78	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL II	43.25	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL I	36.26	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
JUNIOR PROFESSIONAL	28.18	24	60.00	16.91	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN III	41.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN II	34.94	8	20.00	6.99	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN I	28.09	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN INTERN	16.26	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTALS		40	100	\$36.43	0	0	\$0.00	4	100	\$70.00	5	100	\$70.00

EXHIBIT D

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL
SUMMARY OF PERSONHOURS								
1.0 FIELD SURVEYS		4		4	4	44	24	80
2.0 INTERSECTION DESIGN STUDIES			2	25		80		107
3.0 PROJECT DEVELOPMENT REPORT			4	55		97		156
5.0 DRAINAGE				2	6	16		24
6.0 UTILITY AND RAILROAD AGREEMENTS				6		12		18
10.0 PRELIMINARY ROAD DESIGN			2	28		104		134
11.0 FINAL PLANS/ DOCUMENTS			4	61		164		229
12.0 RIGHT OF WAY		8				24	8	40
14.0 ADMINISTRATION/ MANAGEMENT	4							4
15.0 QA/QC	5							5
TOTAL	9	12	12	181	10	541	32	797

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006
 0

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
1.0 FIELD SURVEYS									
1.1 establish horizontal control	0	4	0	4	4	44	24	80	
1.1.1 research control location, coordinates, closure route	0	1	0	0	2	8	4	15	
1.1.2 set control point monuments in field						2		2	0 Included in 1.1.4
1.1.3 set control point coordinates/ GPS								0	0 Included in 1.1.4
1.1.4 traverse between control points in field		1			2	4	4	11	
1.1.5 office calculations/ closure & coordinates						2		2	
1.2 establish vertical control	0	1	0	0	2	8	4	15	
1.2.1 research control location, elevations, closure route						2		2	
1.2.2 set benchmark monuments in field								0	0 Included in 1.2.4
1.2.3 set benchmark elevations/ GPS								0	0 Included in 1.2.4
1.2.4 elevation loop between benchmarks in field		1			2	4	4	11	
1.2.5 office calculations/ closure & elevations						2		2	
1.3 establish existing topography	0	2	0	0	0	8	16	26	
1.3.1 locate existing utilities								0	0 Included in 1.3.2
1.3.2 topo/profile/cross section		2				8	16	26	One day with two man crew.
1.3.3 surveys for hydraulic/drainage studies								0	N/A or included.
1.4 process survey data for CADD	0	0	0	4	0	20	0	24	
1.4.1 draw existing topo						8		8	Download topo and draw in CAD.
1.4.2 create & process TIN						4		4	Develop contour lines.
1.4.3 field review and edit				4		8		12	
1.4.4 base sheet plot								0	
1.5 establish proposed improvement location	0	0	0	0	0	0	0	0	
1.5.1 set proposed centerline control points & ties								0	
1.5.2 staking for soil surveys								0	
1.5.3 stake centerline for field check								0	
2.0 INTERSECTION DESIGN STUDIES									
2.1 data collection	0	0	2	25	0	80	0	107	See previous IDS @ IL3/ S. Main St.
2.1.1 establish design criteria/ road classifications	0	0	0	4	0	18	0	22	
2.1.2 traffic counts								0	Developed in previous projects.
2.1.3 signal warrants (tabulate and summarize)				2		10			Update 2009 peak hour traffic count (6:30-8:30A & 4:00-6:00P). Count plus download time.
2.1.4 schematic intersection layout				1		4		0	N/A and not included.
2.1.5 coordination with IDOT (growth rate, ADTs, layout)				1		4		5	Review and refine CMAQ linework.
2.1.6 traffic study (attracted traffic, traffic patterns)								5	Complete traffic count spreadsheet to project future traffic.
2.2 pedestrian signal warrants	0	0	0	0	0	0	0	0	No new development, so a traffic study is not needed or included.
								0	Not included.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006
 0

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
2.3 intersection analysis	0	0	1	8	0	28	0	37	
2.3.1 capacity analysis (HCS) - AM & PM - Design Year				2		8		10	
2.3.2 storage lengths - AM & PM - Design Year				2		4		6	
2.3.3 intersection geometry			1	4		16		21	
2.4 IDS submittal	0	0	1	13	0	34	0	48	See IDOT-D8 Checklist
2.4.1 location map & title block						2		2	
2.4.2 elements controlling design & general notes			1	1		4		6	
2.4.3 traffic data and analysis charts (const. & design yrs)						4		4	
2.4.4 capacity analysis diagrams						2		2	
2.4.5 phasing diagram						2		2	
2.4.6 intersection geometry and details				2		8		10	Label and put on IDOT IDS sheet.
2.4.7 plot, print & submit				4		4		8	In-house QC review and address comments.
2.4.8 turning movements				2		4		6	Autoturn exhibits
2.4.9 final submittal and sign-offs				4		4		8	Address IDOT comments and obtain signatures.
3.0 PROJECT DEVELOPMENT REPORT	0	0	4	55	0	97	0	156	Categorical Exclusion Group II
3.1 forms/submittals	0	0	0	3	0	12	0	15	
3.1.1 TIP sheet								0	Not required.
3.1.2 project notification & review								0	Not required.
3.1.3 environmental class of action determination (ECAD)								0	Not anticipated or included.
3.1.4 environmental survey request (project studies)				2		8		10	
3.1.5 environmental survey request (special waste)				1		4		5	
3.1.6 bridges and structures NRHP status request								0	
3.2 meetings	0	0	0	6	0	10	0	16	
3.2.1 bi-monthly coordination meetings				4		6		10	log(BLR 22410) and meeting.
3.2.2 informational meeting									Since there are only a couple affected property owners, develop and send individual letters.
3.2.3 public hearing				2		4		6	Not anticipated or included.
3.3 report/ tables	0	0	2	2	0	2	0	6	Report (BLR 22210)
3.3.1 cover sheet			2	2				4	Obtain cover sheet signatures
3.3.2 table of contents								0	No time anticipated.
3.3.3 index of exhibits						2		2	Exhibit TOC.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006

Date: 10/06/15

0

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
3.4 report/ analysis and text by section	0	0	0	24	0	18	0	42	
3.4.1 purpose of project				2				2	
3.4.2 location & existing conditions				4		1		5	
3.4.3 proposed improvements/ criteria				4		1		5	Describe proposed improvement and contiguous sections.
3.4.4 crash analysis				2				2	countermeasures.
3.4.5 right-of-way				2				2	requirements.
3.4.6 prime farmland								0	No time anticipated for this task.
3.4.7 floodplain encroachment/ 404 Permit								0	No time anticipated for this task.
3.4.8 variance request				2		8		10	Complete BLR 22120 for variance requests.
3.4.9 environmental survey				1				1	
3.4.10 section 4(f) lands								0	No time anticipated for this task.
3.4.11 air quality				2		4		6	COSIM analysis required to add a lane.
3.4.12 noise								0	No time anticipated for this task.
3.4.13 maintenance of traffic				2				2	Discuss traffic control plan.
3.4.14 public involvement				1				1	Discuss public comment.
3.4.15 coordination				2		4		6	Coordination meeting minutes.
3.5 report/ exhibits	0	0	1	12	0	39	0	52	
3.5.1 location map						1		1	Prepare location and vicinity map
3.5.2 functional classification map								1	Prepare FC map from
3.5.3 existing & proposed typical sections			1	4		12		17	www.gettingaroundillinois.com
3.5.4 aerial photographs								0	Label typical sections for PDR.
3.5.5 ground level photographs				1		4		5	No time anticipated for this task.
3.5.6 proposed alignment								0	Put field check photos on an exhibit.
3.5.7 intersection design study								0	Included in Task 3.5.7
3.5.8 structure type, size & location plans (TS & L)								0	No time. Insert IDS for plan sheet.
3.5.9 project cost estimate				4		8		12	Not anticipated or included.
3.5.10 encroachments								0	Develop preliminary quantities and est. cost.
3.5.11 crash data, summary and spot maps				2		8		10	Assume none.
3.5.12 biological resources sign-off						1		1	Collision diagrams
3.5.13 cultural resources sign-off								0	coordination.
3.5.14 IDNR sign-off								0	Time included in Task 3.5.12
3.5.15 SIMPAC, IL State Clearinghouse, or EWGCC sign-offs								0	Time included in Task 3.5.12
3.5.16 constructoin Staging/ Detour Maps				1		4		5	Not anticipated or included.
3.5.17 public notices & news articles								0	Full closure. Sign detour route.
3.5.18 public informational meeting notice letters								0	No time anticipated for this task.
3.5.19 public informational meeting attendance sheet								0	N/A. No public meeting.
3.5.20 sign-off on public informational meeting								0	N/A. No public meeting.
3.5.21 coordination meeting minutes & memoranda								0	N/A. No public meeting.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gail Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006
 0

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
3.6 correspondence	0	0	0	0	0	0	0	0	
3.7 submittals	0	0	1	8	0	16	0	25	
3.7.1 print and submit draft for IDOT / FHWA review				2		4		6	
3.7.2 respond to review comments			1	4		8		13	Address IDOT comments
3.7.3 final print and submit				2		4		6	Prepare disposition of comments
4.0 HYDRAULIC DATA & REPORT	0	0	0	0	0	0	0	0	Not anticipated or included.
5.0 DRAINAGE	0	0	0	2	6	16	0	24	New storm main on the south side discharging into the creek.
5.1 storm sewer design	0	0	0	2	6	16	0	24	
5.1.1 storm sewer schematic layout				1		2		3	Review previously completed schematic
5.1.2 drainage area computations					1	4		5	Estimate watershed area in the field
5.1.3 inlet computations / type, size and layout					2	4		6	Inlet spacing computations (est. 10 inlets)
5.1.4 storm sewer computations / type and size					2	4		6	Sewer main and lateral pipe sizing.
5.1.5 final storm sewer layout				1	1	2		4	Est. size of outfall riprap into creek.
5.2 culvert design	0	0	0	0	0	0	0	0	Not anticipated or included.
5.3 ditch design	0	0	0	0	0	0	0	0	Not anticipated or included.
6.0 UTILITY AND RAILROAD AGREEMENTS	0	0	0	6	0	12	0	18	
6.1 Utilities	0	0	0	6	0	12	0	18	
6.1.1 JULIE request for survey						4		4	Call in JULIE and stake limits in the field.
6.1.2 coordination: prints to utilities				2		8		10	Three submittals - survey, prelim plans, and final plans.
6.1.3 coordination meetings with utilities				4				4	Discuss conflicts with Ameren, HTC, and City.
6.1.4 review utility relocation/ adjustment plans (by utility)								0	Not anticipated or included.
6.1.5 coordinate relocation plans (by OA) [see 11.8]								0	Not anticipated or included.
6.1.6 utility agreements								0	Not anticipated or included.
6.2 Railroads	0	0	0	0	0	0	0	0	Not anticipated or included.
7.0 SOILS ANALYSIS AND REPORT	0	0	0	0	0	0	0	0	Traffic signal relocation not anticipated, so no soil boring.
8.0 STRUCTURE RPTS/ TS & L DRAWINGS	0	0	0	0	0	0	0	0	Not anticipated or included.
9.0 STRUCTURE PLANS	0	0	0	0	0	0	0	0	Not anticipated or included.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006

Date: 10/06/15

0

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
10.0 PRELIMINARY ROAD DESIGN									
10.1 data collection/ criteria	0	0	2	28	0	104	0	134	
10.1.1 develop design criteria [see 2.1 & 3.4]	0	0	0	3	0	10	0	13	
10.1.2 develop existing & proposed typical sections [see 3.5]				2		8		10	
10.1.3 develop plan base sheet [see 1.4]								0	Included in Task 3.5.3
10.1.4 develop existing cross-section elevations				1		2		0	No time included for this task.
10.2 horizontal alignment	0	0	1	3	0	18	0	22	
10.2.1 set centerline location			1	1		8		10	
10.2.2 lay out pavement/ shoulders/ medians						4		4	
10.2.3 review intersection/ interchange geometrics [see 2.2]								0	Included in Task 10.2.1
10.2.4 lay out entrances/ access roads				1		4		5	Three entrances
10.2.5 review right-of-way requirements								0	Included in Task 12.2.1
10.2.6 review utility conflicts				1		2		3	
10.3 vertical alignment	0	0	1	3	0	22	0	26	
10.3.1 set centerline profile			1	2		8		11	
10.3.2 review intersection/ interchange grades [see 2.2]						4		4	
10.3.3 review entrances/ access road grades				1		4		5	Three entrances
10.3.4 review storm sewers/ culverts/ ditches [see 5.0]						2		2	Review depths vs existing features (e.g., road base, utilities, creek, etc.)
10.3.5 review utility conflicts								0	Included in Task 10.2.6
10.3.6 develop preliminary earthwork						4		4	Est. earth ex for prelim cost estimate.
10.4 preliminary design development	0	0	0	4	0	12	0	16	
10.4.1 pavement analysis & design				2		4		6	Asphalt pavement.
10.4.2 intersection / interchange geometrics [see 2.2]								0	Included in Task 10.2.3 & 10.3.2
10.4.3 develop construction staging								0	Included in Task 3.5.16
10.4.4 guardrail/ barriers requirements				2		8		10	at creek.
10.4.5 signage/ pavement markings								0	No additional time. Developed in IDS.
10.4.6 utility relocation requirements								0	No time included for this task.
10.5 preliminary plan development	0	0	0	3	0	24	0	27	
10.5.1 plan- alignment/ stationing/ curve data				1		2		3	Superelevation data
10.5.2 pavement/ shoulders/ medians/ curbs/ sidewalks								0	Included in Task 10.5.3
10.5.3 label intersections/ interchanges				1		6		7	Label intersection widths and elements.
10.5.4 entrances/ access roads						2		2	Label stations and widths for three drives.
10.5.5 guardrail/ barriers						2		2	Label stations and offsets for end sections.
10.5.6 bridge approach pavement								0	No time included for this task.
10.5.7 construction limits						4		4	
10.5.8 right-of-way/ owners						2		2	Label N/F property info and addresses.
10.5.9 benchmarks/ control points						2		2	Label in profile.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 INTERSECTION: IL-3 & Gall Road
 CITY: Columbia, IL
 COUNTY: Monroe
 JOB NO.: 15006

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
10.5.10 profile- grades/ elevations/ curve data									
10.5.11 storm sewers/ culverts/ ditches [see 5.0]				1		4		0	No time included for this task.
10.6 preliminary cross-sections/ earthwork	0	0	0	4	0	14	0	18	5 Show storm sewer in profile
10.6.1 cut existing sections								0	Time included in 10.1.4
10.6.2 proposed roadway templates				2		8		10	Set up Geopak cross section editor.
10.6.3 develop templates (slopes, entrances, drainage)								0	Time included in Task 10.6.2
10.6.4 end areas/ earthwork estimate				2		4		6	Label cut and fills in cross sections
10.6.5 plot & label ROW						2		2	Label proposed right of way in sections.
10.7 submittals	0	0	0	8	0	4	0	12	
10.7.1 preliminary alignment								0	Included in 10.7.2
10.7.2 preliminary plan				4				4	Review preliminary plans with City
10.7.3 pre-final plan (field check)				4		4		8	
11.0 FINAL PLANS/ DOCUMENTS									
11.1 cover sheet	0	0	4	61	0	164	0	229	
11.1.1 location map/ project limits	0	0	0	3	0	14	0	17	
11.1.2 index of sheets						3		3	
11.1.3 standard drawings index				1		1		1	
11.1.4 general notes				2		4		5	
11.2 quantities	0	0	1	10	0	46	0	57	
11.2.1 pay items & code numbers				2		8		10	quantity sheets
11.2.2 pavement schedule & quantities						4		4	
11.2.3 entrances schedule & quantities						2		2	Three entrances
11.2.4 storm sewer schedule & quantities						4		4	
11.2.5 pavement markings schedule & quantities						4		4	
11.2.6 removals schedule & quantities						2		2	
11.2.7 earthwork schedule & quantities						2		2	
11.2.8 other schedules & quantities						4		4	curb and gutter, sidewalk
11.2.9 summary of quantity schedule			1	8		16		25	
11.3 typical sections	0	0	0	2	0	8	0	10	
11.3.1 existing typical sections				1		2		3	modify and label prelim sections
11.3.2 proposed typical sections				1		4		5	modify and label prelim sections
11.3.3 structural pavement design						2		2	Complete structural design table
11.4 construction detail sheets	0	0	0	1	0	10	0	11	
11.4.1 side streets & entrances						2		2	Commercial entrance detail
11.4.2 pavement details						2		2	Unsuitable base detail
11.4.3 special ditches								0	Not anticipated or included.
11.4.4 drainage structures								0	Not anticipated or included.
11.4.5 retaining walls								0	Not anticipated or included.
11.4.6 guardrail/ barriers						2		2	End section terminal detail
11.4.7 sidewalk/ median detail				1		4		5	Not anticipated or included.

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
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 0

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TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
11.5 intersection/ interchange sheets	0	0	1	4	0	16	0	21	
11.5.1 intersection/ interchange geometrics								0	Time included in Task 11.5.1
11.5.2 intersection/ interchange elevations			1	4		16		21	Warping plan for entire intersection
11.5.3 pavement joint layouts								0	N/A. Asphalt pavement.
11.5.4 ramp profiles/ super-elevation								0	N/A
11.5.5 ramp terminal details								0	N/A
11.5.6 intersection/ interchange cross-section layout								0	N/A
11.6 maintenance of traffic	0	0	0	2	0	8	0	10	
11.6.1 develop construction staging				2		8		10	route.
11.6.2 staging layout and notes								0	Included in Task 11.6.1
11.6.3 staging details								0	Included in Task 11.6.1
11.6.4 detour plans								0	Not anticipated or included.
11.6.5 traffic control plans								0	Included in Task 11.6.1
11.7 traffic signal plans	0	0	1	1	0	12	0	14	New loop detectors are needed. The NB left turn lane signal face green ball should be able to be changed to an arrow.
11.7.1 plan view			1	1		6		8	Loop detector plan.
11.7.2 cable diagram								0	No new wiring anticipated.
11.7.3 legends								0	
11.7.4 general notes								0	
11.7.5 detail proposed signal faces						2		2	New NB traffic signal with an arrow.
11.7.6 phase designation diagram						2		2	
11.7.7 sequence of operations table						2		2	
11.7.8 sign panel details								0	No new mast arm sign panels anticipated.
11.8 specialty plan sheets	0	0	0	2	0	8	0	10	
11.8.1 pavement markings				1		4		5	
11.8.2 signing plans				1		4		5	
11.8.3 lighting plans								0	Not anticipated or included.
11.8.4 utility relocation plans								0	Not anticipated or included.
11.8.5 landscape plans								0	Not anticipated or included.
11.9 road plan/profile sheets	0	0	0	3	0	10	0	13	Refine/ add cross references
11.9.1 plan- alignment/ stationing/ curve data								0	No additional time.
11.9.2 pavement/ shoulders/ medians								0	
11.9.3 intersections/ interchanges				1		2		3	
11.9.4 entrances/ access roads						1		1	
11.9.5 guardrail/ barriers						1		1	
11.9.6 storm sewers/ culverts/ ditches								0	
11.9.7 construction limits				1		2		3	
11.9.8 right-of-way/ owners						1		1	
11.9.9 benchmarks/ control points						1		1	
11.9.10 profile- grades/ elevations/ curve data								0	
11.9.11 cross-references				1		2		3	

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
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 JOB NO.: 15006
 0

Date: 10/06/15

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
11.10 cross sections	0	0	0	2	0	8	0	10	
11.10.1 proposed templates								0	No additional time.
11.10.2 proposed ditches/ culverts/ storm sewer				1		4		5	Label storm sewer in cross sections
11.10.3 proposed ROW limits								0	No additional time.
11.10.4 earthwork end areas				1		4		5	Label cut and fills in cross sections
11.10.5 matchlines/ cross-references								0	No additional time.
11.11 structure plans	0	0	0	0	0	0	0	0	Not anticipated or included.
11.12 contract documents	0	0	0	23	0	14	0	38	
11.12.1 check sheets				2		1		3	review IDOT usage sheets.
11.12.2 supplemental specifications				1				1	
11.12.3 interim special provisions (BDE)				4		1		5	review IDOT usage sheets.
11.12.4 special provisions			1	12		4		17	
11.12.5 estimate of time				2		4		6	
11.12.6 unit cost								0	Not anticipated or included.
11.12.7 estimate of cost				2		4		6	Review/ revise prelim cost estimate.
11.13 bidding documents	0	0	0	0	0	0	0	0	N/A. State letting.
11.14 final PS&E submittal	0	0	0	8	0	10	0	18	
11.14.1 plot and assemble final plans				2		8		10	Address IDOT pre-final comments
11.14.2 copy and review final CADD files								0	N/A. Local agency project.
11.14.3 copy and assemble computations								0	N/A. Local agency project.
11.14.4 copy and assemble contract documents				4		2		6	Obtain local agency signatures.
11.14.5 final submittal and close-out				2				2	
12.0 RIGHT OF WAY	0	8	0	0	0	24	8	40	
12.1 Right-of-way survey	0	8	0	0	0	24	8	40	
12.1.1 research record information		2				6		8	Review IL-3/ Main Project records and supplement.
12.1.2 review title reports/ ownership reports								0	
12.1.3 review locations in field/ set survey limits		1				2		3	
12.1.4 locate and tie existing monumentation		1				2	8	11	Locate property corners and tie in with Task 1.3.2.
12.1.5 review monumentation against records		2				6		8	
12.1.6 supplemental field monumentation								0	N/A and not included.
12.1.7 establish property lines/ ROW		2				8		10	of way drawing.
12.2 plats, plans, descriptions for ROW acquisition	0	0	0	0	0	0	0	0	Not included, but if needed, can be negotiated later.

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TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. IV	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
12.3 Right-of-way negotiations	0	0	0	0	0	0	0	0	Not included, but if needed, can be negotiated later.
12.4 stake proposed ROW								0	
13.0 CONSTRUCTION PHASE SERVICES	0	0	0	0	0	0	0	0	0
14.0 ADMINISTRATION/ MANAGEMENT	4	0	0	0	0	0	0	4	PM time included in Tasks above.
15.0 QA/QC	5	0	0	0	0	0	0	5	
15.1 QA/ QC Plan								0	adapt company plan to project
15.2 Submittal Reviews	0	0	0	0	0	0	0	0	Time included in Tasks above.
15.3 Quality Reviews	5	0	0	0	0	0	0	5	
15.3.1 Field Surveys	1							1	
15.3.2 Geotechnical Investigations and Recommendations								0	
15.3.3 Permits and Agreements								0	
15.3.4 Intersection/ Traffic Signal Design	1							1	
15.3.5 Drainage Design and Report	1							1	
15.3.6 Structure Type and Layout								0	
15.3.7 Preliminary Road Design	1							1	
15.3.8 Preliminary Structure Design								0	
15.3.9 Pre-Final Road Design	1							1	
15.3.10 Final Road Design								0	
15.3.11 Final Computations/ Quantities								0	
15.3.12 Construction Phase Services								0	Not included at this stage.

Project Development Report:			
Preliminary Report Submittal (8 1/2 X 11)	pages	cost	total
Final Report Submittal (8 1/2 X 11)		\$0.05	\$0.00
Preliminary Report Submittal (11 X 17)		\$0.20	\$0.00
Final Report Submittal (11 X 17)		\$0.20	\$0.00
Color Copies (8 1/2 X 11)		\$0.45	\$0.00
Color Copies (11 x 17)		\$0.95	\$0.00
Preliminary Plans:			
Alignment Submittal (11 X 17)	pages	cost	total
Field Check (Full Size)		\$0.12	\$0.00
Preliminary Plans (11 X 17)		\$0.54	\$0.00
Preliminary Plans (Full Size)		\$0.12	\$0.00
Reduced Plans For PDR		\$0.54	\$0.00
Utility Coordination (Full Size)		\$0.12	\$0.00
		\$0.54	\$0.00
Final Plans:			
PreFinal Plans (11 X 17)	pages	cost	total
PreFinal Plans (Full Size)		\$0.12	\$0.00
Final Plans (11 X 17)		\$0.54	\$0.00
Final Plans (Full Size)		\$0.12	\$0.00
		\$0.54	\$0.00
Right-of-Way Plans:			
PreFinal Plans (11 X 17)	pages	cost	total
PreFinal Plans (Full Size)		\$0.12	\$0.00
Final Plans (11 X 17)		\$0.54	\$0.00
Final Plans (Full Size)		\$0.12	\$0.00
		\$0.54	\$0.00
Survey:			
Quarter section maps		\$10.00	\$0.00
GPS rental			\$0.00
GPS support			\$0.00
Soils-			
	borings	cost	
		\$1,500	\$0.00
TOTAL DIRECT COSTS			
\$0.00			
TOTAL SERVICES BY OTHERS			
\$0.00			

PROJECT SCHEDULE

Firm OATES ASSOCIATES, INC.

Intersection: IL-3 & Gall Road

City: Columbia, IL

County: Monroe

Job No. 15006

TASK	(mos)	2016												2017														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
FIELD SURVEYS	(1)																											
INTERSECTION DESIGN STUDIES	(1)																											
PROJECT DEVELOPMENT REPORT	(1)																											
HYDRAULIC DATA & REPORT	0																											
DRAINAGE	(0)																											
UTILITY AND RAILROAD AGREEMENTS	(0)																											
SOILS ANALYSIS AND REPORT	0																											
STRUCTURE RPTS/ TS & L DRAWINGS	0																											
STRUCTURE PLANS	0																											
PRELIMINARY ROAD DESIGN	(1)																											
FINAL PLANS/ DOCUMENTS	(2)																											
RIGHT OF WAY	(0)																											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
		2016												2017														

ANTICIPATED CITY COUNCIL APPROVAL
 ANTICIPATED IDOT AUTHORIZATION
 DRAFT PROJECT DEVELOPMENT REPORT SUBMITTAL
 DRAFT IDS SUBMITTAL
 FINAL IDS SUBMITTAL
 FINAL PROJECT DEVELOPMENT REPORT SUBMITTAL
 PRE-FINAL PLAN SUBMITTAL
 FINAL PLAN SUBMITTAL
 ANTICIPATED LETTING

October 26, 2015
 February 2016
 May 2016
 April 2016
 July 2016
 September 2016
 October 2016
 Dec. 2016
 March 2017