

MAY - 6 2013

ORDINANCE NO. 3032

J. Ronald Colby
City Clerk

**AN ORDINANCE TO EMPLOY OATES ASSOCIATES, INC. OF
COLLINSVILLE, ILLINOIS TO RENDER PROFESSIONAL
SERVICES TO THE CITY OF COLUMBIA, ILLINOIS IN
CONNECTION WITH PRELIMINARY ENGINEERING
SERVICES FOR THE NORTH MAIN STREET RESURFACING
PHASE 1 PROJECT**

WHEREAS, the City Council of the City has found and determined and does hereby declare that it is necessary and appropriate that the City employ Oates Associates, Inc. to provide professional services to the City for preliminary engineering services of the North Main Street Resurfacing Phase 1 Project from Whiteside Street to Crestview Drive;

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 for preliminary engineering with regard to the City's North Main Street Resurfacing Phase 1 Project. The Mayor is hereby authorized and directed to execute and deliver to Oates Associates, Inc., for and on behalf of the City, the "Preliminary Engineering Services Agreement for Motor Fuel Tax Funds" between the City of Columbia, Illinois and Oates Associates, Inc. for a lump sum not to exceed Sixty Two Thousand Seven Dollars and Seventeen Cents (\$62,007.17) in the form attached hereto, which is hereby approved as to form, in as many counterparts as the Mayor shall determine and the City Clerk is hereby authorized and directed to attest the same and to affix thereto the corporate seal of the City.

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 Roessler, and the roll call vote was as follows:

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

NAYS: None.

ABSENT: None.

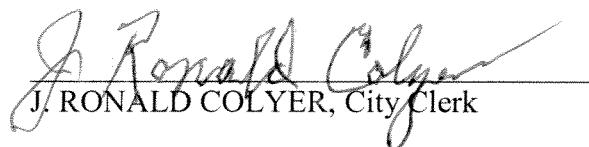
ABSTENTIONS: None.

PASSED by the City Council and APPROVED by the Mayor this 6th day of May, 2013.



KEVIN B. HUTCHINSON, Mayor

ATTEST:



J. RONALD COLYER, City Clerk

(SEAL)

STATE OF ILLINOIS)
) SS
COUNTY OF MONROE)

CERTIFICATE OF TRUE COPY

I, J. Ronald Colyer, hereby certify that I am the duly elected 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. 3032, entitled:

“AN ORDINANCE TO EMPLOY OATES ASSOCIATES, INC. OF COLLINSVILLE, ILLINOIS TO RENDER PROFESSIONAL SERVICES TO THE CITY OF COLUMBIA, ILLINOIS IN CONNECTION WITH PRELIMINARY ENGINEERING SERVICES FOR THE NORTH MAIN STREET RESURFACING PHASE 1 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 6th day of May, 2013.

IN WITNESS WHEREOF, I have made and delivered this certificate for the uses and purposes hereinabove set forth this 6th day of May, 2013.


J. RONALD COLYER, City Clerk

(SEAL)

Municipality City of Columbia	LOC AL A G E N C Y	 Illinois Department of Transportation	CONS ULT ANT	Name Oates Associates, Inc.
Township				Address 100 Lanter Court, Suite 1
County Monroe		Preliminary Engineering Services Agreement For Motor Fuel Tax Funds		City Collinsville
Section				State IL

THIS AGREEMENT is made and entered into this _____ day of _____, _____ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name North Main Street Resurfacing - Phase 1

Route FAU 9302 Length 0.73 Mi. 3900.00 FT (Structure No.)

Termini Whiteside Street to Crestview Drive

Description:

Mill and resurface the existing pavement and associated work including sidewalk ramps and pavement markings.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. 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.
 - e. Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

Note: Four copies to be submitted to the Regional Engineer

- i. Assist the LA in the tabulation and interpretation of the contractors' proposals
- j. Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
- k. Prepare the Project Development Report when required by the DEPARTMENT.

(2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.

(3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.

(4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.

(5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.

(6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services ~~performed as stipulated in paragraphs 1a, 1g, 1i, 2, 3, 5 and 6~~ in accordance with one of the following methods indicated by a check mark:
 - a. A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
 - b. A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	(see note)
Under \$50,000	%	

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

c. CPFF = DL + DL(OH) + 14.5%[DL + R(DL) + OH(DL) + IHDC], or

Where: DL = Direct Labor
 IHDC = In House Direct Costs
 OH = Consultant Firm's Actual Overhead Factor
 R = Complexity Factor
 FF=Fixed Fee
 SBO = Services by Others

2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j & ~~1k~~ of the ENGINEER AGREES at actual cost of performing such work plus _____ percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:

- a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
- b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 100 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 190 percent incurred up to the time he is notified in writing of such abandonment - "actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 190 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

City of Columbia _____ of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By _____

City Clerk

By _____

(Seal)

Title Mayor

Executed by the ENGINEER:

Oates Associates, Inc.

100 Lanter Court, Suite 1

Collinsville, IL 62234

By _____

Bruce P. Schopp

Title President / COO

ATTEST:

By _____

Joseph G. Hagerty

Title CEO

Approved

Date
Department of Transportation

Regional Engineer



Illinois Department
of Transportation

COST ESTIMATE OF
CONSULTANT
SERVICES

(Cost Plus Fixed Fee)

Firm OATES ASSOCIATES, INC.
Route FAU 9302
Project North Main Street Resurfacing - Ph 1
County Monroe
Job No. 13027
Agency City of Columbia

DATE: 04/12/13
Overhead Rate: 155.97%
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	128	\$3,989.76	\$6,222.83		\$1,476.21				\$11,688.80	18.85
2.0	INTERSECTION DESIGN STUDIES										
3.0	PROJECT DEVELOPMENT REPORT	97	\$3,401.79	\$5,305.77		\$1,258.66				\$9,966.22	16.07
4.0	HYDRAULIC DATA & REPORT										
5.0	DRAINAGE										
6.0	UTILITY AND RAILROAD AGREEMENTS	14	\$429.66	\$670.14		\$158.97				\$1,258.77	2.03
7.0	SOILS ANALYSIS AND REPORT										
8.0	STRUCTURE RPTS/L DRAWINGS										
9.0	STRUCTURE PLANS										
10.0	PRELIMINARY ROAD DESIGN	181	\$5,668.92	\$8,841.81		\$2,097.50				\$16,608.23	26.78
11.0	FINAL PLANS/ DOCUMENTS	207	\$6,835.14	\$10,660.77		\$2,529.00				\$20,024.91	32.29
12.0	RIGHT OF WAY	24	\$839.76	\$1,309.77		\$310.71				\$2,460.24	3.97
13.0	CONSTRUCTION PHASE SERVICES										
14.0	ADMINISTRATION/ MANAGEMENT										
15.0	QA/QC										
	Subconsultant DL Fixed Fee										
	TOTALS	651	\$21,165.03	\$33,011.09		\$1,831.05				\$62,007.17	100.00

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.
 ROUTE: FAU 9302
 PROJECT: North Main Street Resurfacing - Ph 1
 COUNTY: Monroe
 JOB NO.: 13027
 Agency: City of Columbia

04/12/13

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. I	JR. PROF.	TECH. II	TOTAL
SUMMARY OF PERSONHOURS							
1.0 FIELD SURVEYS		4	4	12	52	56	128
2.0 INTERSECTION DESIGN STUDIES							
3.0 PROJECT DEVELOPMENT REPORT	5		24		68		97
4.0 HYDRAULIC DATA & REPORT							
5.0 DRAINAGE							
6.0 UTILITY AND RAILROAD AGREEMENTS		2		12		14	
7.0 SOILS ANALYSIS AND REPORT							
8.0 STRUCTURE RPTS/ TS & L DRAWINGS							
9.0 STRUCTURE PLANS							
10.0 PRELIMINARY ROAD DESIGN	2		25	14	140		181
11.0 FINAL PLANS/ DOCUMENTS	7		34	28	138		207
12.0 RIGHT OF WAY		5	1		14	4	24
13.0 CONSTRUCTION PHASE SERVICES							
14.0 ADMINISTRATION/ MANAGEMENT							
15.0 QA/QC							
TOTAL	14	9	90	54	424	60	651

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.

FAU 9302

ROUTE: North Main Street Resurfacing - Ph 1

Monroe

COUNTY:

JOB NO.:

Date: 04/12/13

TASK	PRIN.	SR. PROF. II	SR. PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
1.0 FIELD SURVEYS							
1.1 establish horizontal control		0	4	4	12	56	128 locations (17 intersections)
1.1.1 research control location, coordinates, elevation, route		0	1	0	2	8	19
1.1.2 set control point measurements in field							0
1.1.3 set control point coordinates, GPS							0
1.1.4 establish horizontal control points in field				1	2	6	18
1.1.5 official boundary line, 1/8" accurate & contours				0	2	8	0
1.2 establish vertical control				0	1	8	15
1.2.1 research control location, elevations, closure route							0
1.2.2 set benchmarks, monuments in field							0
1.2.3 set benchmark elevations, GPS							0
1.2.4 elevation loop between benchmarks in field			1	2	8	8	19
1.2.5 office calculations/ closure & elevations							0
1.3 establish existing topography		0	2	0	6	0	42
1.3.1 locate existing utilities							0
1.3.2 topographic cross section			2	8		32	42 (7 intersections at 4 intersections/day)
1.3.3 surveys for hydraulic/drainage studies							0
1.4 process survey data for CADD		0	0	4	0	32	0
1.4.1 data editing, topo					24		24
1.4.2 create & process TIN							0
1.4.3 field review and edit							0
1.4.4 base sheet plot			4		8		12
1.5 establish proposed improvement location		0	0	0			0
1.5.1 set proposed centerline, control points & ties				0	4	8	12
1.5.2 staking for soil surveys					4	8	0
1.5.3 state centerline for field check							0
2.0 INTERSECTION DESIGN STUDIES							
3.0 PROJECT DEVELOPMENT REPORT							0
3.1 forms/submititlls		5	8	24	0	68	97 Anticipate CE 1 with PDR processing
3.1.1 TIP sheet		1	0	3	0	10	0
3.1.2 Project notification & review							0
3.1.3 environmental class of action determination (ECAD)			1	2		8	11 Apply for IDNR and IHPA clearance through DOT ESR process
3.1.4 environmental survey request (project studies)							4 include one coordination meeting with minutes
3.1.5 environmental survey request (special waste)				1	2	3	0 No time included Assumes ROW will not be required
3.1.6 bridges and structures (IRHP status required)							0
3.2 meetings		0	0	4	0	0	4
3.2.1 bi-monthly coordination meetings							0
3.2.2 informational meeting				4			0
3.2.3 Public hearing							1 Summary of attachments
3.3 reports/tables		0	0	1	0	3	4
3.3.1 Cover sheet					1	1	2
3.3.2 Table of contents						1	1
3.3.3 Index of exhibits							1
3.4 report analysis and test by section		0	0	3	0	20	0
							23

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.

FAU 9302

PROJECT: North Main Street Resurfacing - Ph 1

Monroe

13027

DATE: 04/12/13

TASK

	PRIN.	SR. PROF. I	SR. PROF. II	JR. PROF. I	TECH. II	TOTAL	SCOPE OF WORK
3.4.1	Purpose of project					0	
3.4.2	location & existing conditions					0	
3.4.3	Proposed improvements, Criteria			1	2	2	
3.4.4	Crash analysis			1	4	5	Gather crash data from City, create collision diagrams, summarize, and review countermeasures
3.4.5	right-of-way			1	8	9	No right-of-way taking anticipated or included
3.4.6	prime farmland					0	
3.4.7	Neograin encachment					0	
3.4.8	404" permit					0	
3.4.9	environmental survey					0	
3.4.10	section 4(f) lands			1		1	Summarize special waste and ESR results
3.4.11	360 Study					0	
3.4.12	noise					1	Standard air quality statement, COSIM not anticipated or included
3.4.13	maintenance of traffic					0	N/A, lanes are not added
3.4.14	Public involvement			1	2	3	Describe traffic control process
3.4.15	coordination					1	Summarize public informational meeting minutes
3.5	report exhibits					1	
3.5.1	location map			0	5	0	1 Summarize public informational meeting minutes
3.5.2	vicinity map					2	2 Develop location map and functional classification map
3.5.3	existing & proposed typical sections					0	
3.5.4	aerial photographs			1	4	5	Label two pages of typical sections for PDF format See 10.1.2
3.5.5	Ground level photographs			1	4	5	Label seven Plan Sheets for PCR
3.5.6	Proposed alignment					0	Included in ESR - Task 3.1.4
3.5.7	intersection design study					0	Included in 3.5.4
3.5.8	structure type, size & location plans (T.S & L)					0	
3.5.9	Project cost estimate			1	2	3	Modify and insert estimate of probable cost from STP application
3.5.10	encroachments					0	No right-of-way taking anticipated or included
3.5.11	accident data, summary and spot maps			1	2	3	Insert crash data summary
3.5.12	biological resources sign-off					1	
3.5.13	cultural resources sign-off					1	Insert ESR sign-offs
3.5.14	IDNR sign-off					1	
3.5.15	SIMPAC sign-off					0	
3.5.16	IL State Clearinghouse sign-off					0	
3.5.17	EWCCC sign-off					0	
3.5.18	public notices & news articles					0	
3.5.19	public informational meeting notice letters					1	1 Insert public meeting notice from local paper
3.5.20	public informational meeting attendance sheet			1	2	3	Develop public meeting notice and insert certification
3.5.21	sign-off on Public informational meeting					1	
3.5.22	coordination meeting minutes & memoranda					1	1 Insert public meeting comment, fact, and attendance sheets
3.6	correspondence			0	0	0	
3.7	submittals			4	0	0	
3.7.1	Print and submit draft for IDOT / FHWA review			4	0	0	14
3.7.2	respond to review comments			2	4	4	4 Octian City Official signatures
3.7.3	final print and submit			2	4	4	0 Not Anticipated or included
4.0	HYDRAULIC DATA & REPORT			0	0	0	
5.0	DRAINAGE			0	0	0	0 Not Anticipated or included

ESTIMATE OF PERSON HOURS

GATES ASSOCIATES, INC.

FAU 6302

North Main Street Resurfacing - Ph.1

Monroe

JOB NO.: 13027

Date: 04/12/13

TASK

	PRIN.	SR. PROF. II	SR. PROF. I	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
6.0 UTILITY AND RAILROAD AGREEMENTS	0	0	2	0	12	0	14	
6.1 Utilities	0	0	2	0	12	0	14	
6.1.1 JURIE request for surveying					4		4	Call in located and paint locate lines in the field
6.1.2 coordination prints to utilities			2		8		10	Two letters (preliminary and pre-final) to utility companies
6.1.3 coordination meetings with utilities							0	Not Anticipated or Included
6.1.4 Review utility relocation/adjustment plans (by utility)							0	Not Anticipated or Included
6.1.5 coordinate relocation plans (by City) [see 11.6]							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	N/A
7.0 SOILS ANALYSIS AND REPORT	0	0	0	0	0	0	0	Not Anticipated or Included
8.0 STRUCTURE REPORTS & L DRAWINGS	0	0	0	0	0	0	0	Not Anticipated or Included
9.0 STRUCTURE PLANS	0	0	0	0	0	0	0	Not Anticipated or Included
10.0 PRELIMINARY ROAD DESIGN	2	0	25	14	140	0	181	Aerial photography used as basemap
10.1 data collection/ criteria	0	0	4	0	12	0	16	
10.1.1 develop design criteria [see 2.1 & 3.4]			2		4		6	
10.1.2 develop existing & proposed typical sections [see 3.5]			2		8		10	Eight existing and proposed typical sections
10.1.3 develop plan base street [see 1.4]							0	
10.1.4 develop existing cross-section elevations							0	Cross sections not required for resurfacing
10.2 horizontal alignment	1	0	2	0	12	0	15	
10.2.1 set centerline location	1	1	8				10	Set centerline based on best fit centerline and historical data
10.2.2 lay out pavement/shoulder/ medians			1	4			5	Other centerline and review with existing curb lines
10.2.3 review intersection/ interchange geometrics [see 2.2]							0	
10.2.4 lay out entrance/ access roads							0	Resurfacing should not significantly impact driveway's
10.2.5 review right-of-way requirements							0	Included with specific tasks. No ROW takings are anticipated
10.2.6 review utility conflicts							0	Resurfacing should not significantly impact utility's
10.3 vertical alignment	0	0	2	0	8	0	10	Set centerline profile
10.3.1 review intersection/ interchange geometrics [see 2.2]		1			4		5	Cut existing profile based on horizontal alignment
10.3.2 review embankments/ access road grades							0	
10.3.4 review storm sewer/ culverts/ ditches [see 5.0]			1				0	Resurfacing should not significantly impact drainage
10.3.5 review utility conflicts					4		5	Adjust inlet frame and grates
10.3.6 develop preliminary earthwork							0	Resurfacing should not significantly impact utility's
10.4 preliminary design development	1	0	7	14	72	0	94	Resurfacing will not require earthwork
10.4.1 Pavement analysis & design							0	
10.4.2 sidewalk ramps	1	4	2	4			6	Pavement design compared to cores. Assume overlay adequate
10.4.3 develop construction staging			12	56			73	38 sidewalk ramp details at 1.5-hrs/ each
10.4.4 guardrail barriers requirements		1			4		5	Use highway standards for sidewalk work and resurfacing
10.4.5 signage/ pavement markings							0	Not Anticipated or Included
10.4.6 utility relocation requirements			2	8			10	Review sign retroactivity and replace pavement markings if-need
							0	Not Anticipated or Included

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.

FAU 9302

ROUTE: North Main Street Resurfacing - Ph. 1

Monroe

13027

Date: 04/12/13

TASK

	PRIN.	SR.	SR.	PROF. I	PROF. I	JR. PROF.	TECH.	TOTAL	SCOPE OF WORK
10.5 Resurfacing plan development	0	0	0	2	0	16	0	18	Dimensioning pavement widths and curves
10.5.1 plan alignment/stationing/curve data						2			Dimensioning pavement widths and curves
10.5.2 pavement shoulders/medians/curbs/sidewalks						2			Dimensioning pavement widths and curves
10.5.3 intersections/interchanges						0			Dimensioning pavement widths and curves
10.5.4 entrances/access roads						0			Dimensioning pavement widths and curves
10.5.5 guardrail/barriers						0			Dimensioning pavement widths and curves
10.5.6 bridge approach pavement						0			Dimensioning pavement widths and curves
10.5.7 construction limits						0			Dimensioning pavement widths and curves
10.5.8 right-of-way/owners						0			Dimensioning pavement widths and curves
10.5.9 benchmarks/control points						0			Dimensioning pavement widths and curves
10.5.10 profile/grades/elevations/curve data						0			Dimensioning pavement widths and curves
10.5.11 storm sewers/curves/ditches (see 5.0)						0			Dimensioning pavement widths and curves
10.6 Environmental/cross-functional earthwork	0	0	0	4	0	16	0	20	Resurfacing should not significantly impact storm sewer
10.6.1 cut/stripping sections						0			Resurfacing should not significantly impact storm sewer
10.6.2 prefabricated roadway templates				4		16		20	Review roadway cross slopes to determine if any corrections are needed
10.6.3 developing trenchlines/slopes, entrances, drainage						0			About 60 sections will be reviewed
10.6.4 end areas/earthwork estimates						0			Included in 10.6.1
10.6.5 fill & level ROW						0			Included in 10.6.1
10.7 earthworks	0	0	0	4	0	4	0	8	0
10.7.1 earthworks						0			0
10.7.2 earthworks						0			0
10.7.3 earthworks						0			0
11.0 FINAL PLANS/DOCUMENTS	7	0	34	28	138	0	207		
11.1 cover sheet	0	0	0	2	0	6	0	6	
11.1.1 location map/project limits						1		1	
11.1.2 track of wheels						1		1	
11.1.3 standard drawings/index						1		1	
11.1.4 general notes						2		2	
11.2 quantities						2		2	3 Highway Standards
11.2.1 ray items & code numbers						6	42	48	
11.2.2 pavement schedule & quantities						6		6	57
11.2.3 earthworks schedule & quantities						1		1	2 Review special provision requirements
11.2.4 storm sewer schedule & quantities						4		4	5
11.2.5 pavement markings, schedules & quantities						0		0	0
11.2.6 earthworks schedule & quantities						4		4	5
11.2.7 earthworks schedule & quantities						1		1	1
11.2.8 other schedule & quantities						4		4	5
11.2.9 summary of quantity schedule						1		1	0
11.3 typical sections						2	8	24	35
11.3.1 existing typical sections						2	0	0	10
11.3.2 proposed typical sections						1		1	6
11.3.3 structure of pavement design						1		1	5
11.4 construction detail sheets						0	0	0	0

ESTIMATE OF PERSON HOURS

FIRM: OATES ASSOCIATES, INC.

ROUTE: FAU 9302

PROJECT: North Main Street Resurfacing - Ph 1

COUNTY: Monroe

JOB NO.: 13027

Date: 04/12/13

TASK	PRIN.					SR.					SCOPE OF WORK				
	PROF. I	PROF. II	SR. PROF. I	SR. PROF. II	JR. PROF. I	JR. PROF. II	TECH. I	TECH. II	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
11.5 intersection/interchange sheets	0	0	2	8	16	0	0	0	26						
11.5.1 intersection/interchange geometrics			1	4	4	5									
11.5.2 intersection/interchange elevations			1	4	4	8									
11.5.3 pavement joint layouts															
11.5.4 ramp profiles/ super elevation															
11.5.5 ramp terminal details															
11.5.6 intersection/interchange cross-section layout															
11.6 maintenance of traffic															
11.7 traffic signal plans			0	0	0	0	0	0	0	0	0	0	0	0	0
11.8 scenery plan sheets			0	0	0	0	0	0	0	0	0	0	0	0	0
11.8.1 Pavement markings			0	0	3	0	12	0	15						
11.8.2 signing plans					1	6									
11.8.3 lighting plans					2	6									
11.8.4 utility relocation plans															
11.8.5 landscape plans															
11.9 land/Barngrothe sheets			0	0	4	0	14	0	18	Refined label/ add quantity callouts to plans prepared in 10.5					
11.9.1 Elbow alignment/ stationing/ curve data															
11.9.2 pavement/ shoulders/ medians					1	4									
11.9.3 intersection/interchanges															
11.9.4 entrances/ access roads															
11.9.5 guardrail/ barriers															
11.9.6 storm sewers/ curvets/ ditches															
11.9.7 construction limits															
11.9.8 right-of-way/ owners					1	2									
11.9.9 benchmarks/ control points															
11.9.10 profile/ grades/ elevations/ curve data															
11.9.11 cross-references															
11.10 cross sections					2	8									
11.11 structure plans					0	0	0	0	0						
11.12 contract documents					0	0	0	0	0						
11.12.1 check sheets					2	0	7	12	28	0	49				
11.12.2 supplemental specifications						1	3								
11.12.3 interim special provisions (BDE)						1	1								
11.12.4 special provisions						1	4								
11.12.5 estimate of time					2	3	6	8							
11.12.6 unit cost						1	2	4							
11.12.7 estimate of cost															
11.13 bidding documents						1	4	8							
11.13.1 notice to contractors						0	0	0	0						
11.13.2 proposal															
11.13.3 scheduling of prices															
11.14 final P&E submittal					4	0	8	0	12	0	24				
11.14.1 plan and assemble final plans						2	4	4	4						
11.14.2 copy and review final CAD files															
11.14.3 copy and assemble computations															
11.14.4 copy and assemble contract documents															
11.14.5 final submittal and close-out					2	4	8	8							
14 Respond to review comments															

ESTIMATE OF PERSON HOURS

FIRM: DATES ASSOCIATES, INC.
 ROUTE: FAU 9302
 PROJECT: North Main Street Resurfacing - Ph. 1
 COUNTY: Monroe
 JOB NO.: 13027

Date: 04/12/13

TASK	PRIN.	SR. PROF. II	SR. PROF. I	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
								12.0
12.0 RIGHT OF WAY								
12.1 Right-of-way Survey	0	0	0	0	0	0	0	
12.1.1 research record information	0	5	1	0	0	14	4	24
12.1.2 review beta reports/ ownership reports						4		4
12.1.3 review locations in final set Survey limits								0
12.1.4 locate and tie existing instrumentation								0
12.1.5 review instrumentation against records	1	1	1	1	2	2	4	8 1/2 day for finding add. points after record ROW & estimated
12.1.6 Supplemental field documentation								0
12.1.7 establish property lines ROW								0
12.2 Plat plans, descriptions for ROW acquisition	0	0	0	0	0	0	0	12 Est. 8k. ROW based on record info, centerline and back of walls
12.3 Bid materials	0	0	0	0	0	0	0	0
12.4 Stake proposed ROW	0	0	0	0	0	0	0	0
13.0 CONSTRUCTION PHASE SERVICES								0
14.0 ADMINISTRATION MANAGEMENT	0	0	0	0	0	0	0	0 To Be Negotiated Later Under a Separate Agreement
15.0 QA/QC	0	0	0	0	0	0	0	0 Included in other tasks
								0 Included in other tasks



Illinois Department
of Transportation

PAYROLL ESCALATION TABLE
FIXED RAISES
NEW FORMULA

FIRM NAME OATES ASSOCIATES, INC.
PRIME/SUPPLEMENT

DATE 04/12/13
PTB NO. City of Columbia

CONTRACT TERM	10	MONTHS
START DATE	<u>7/1/2013</u>	
NEXT RAISE DATE	<u>7/1/2013</u>	
COMPLETION DATE	<u>5/1/14</u>	

ESCALATION PER YEAR

7/1/2013 - 7/1/2014

7/1/2013 - 5/1/2014

10

100.00%

103.0000%

The total escalation for this project would be:

3.00%



Illinois Department
of Transportation

PAYROLL RATES

FIRM NAME OATES ASSOCIATES, INC.
PRIME/SUPPLEMENT
PTB NO. City of Columbia

DATE 04/12/13

ESCALATION FACTOR

3.00%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
PRINCIPAL	66.19	68.17
SR. PROFESSIONAL II	54.09	55.71
SR. PROFESSIONAL I	47.96	49.40
PROFESSIONAL III	44.39	45.72
PROFESSIONAL II	41.35	42.59
PROFESSIONAL I	30.29	31.20
JUNIOR PROFESSIONAL	26.77	27.58
TECHNICIAN III	35.58	36.64
TECHNICIAN II	30.53	31.45
TECHNICIAN I	25.24	26.00
TECHNICIAN INTERN	15.50	15.97



Illinois Department
of Transportation

Route FAU 9302
Project North Main Street Resurfacing - Ph 1
County Monroe
Job No. 13027
Agency City of Columbia

Average Hourly Project Rates

Consultant OATES ASSOCIATES, INC. Date 04/12/13

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	68.17	14.00	2.15	1.47	0	0.00	0.00	0	0.00	0.00	5	5.15	3.51
SR PROFESSIONAL II	55.71	9.00	1.38	0.77	4	3.13	1.74	0	0.00	0.00	0	0.00	0.00
SR PROFESSIONAL I	49.40	90.00	13.82	6.83	4	3.13	1.54	0	0.00	0.00	24	24.74	12.22
PROFESSIONAL III	45.72	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL II	42.59	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL I	31.20	54.00	8.29	2.59	12	9.38	2.92	0	0.00	0.00	0	0.00	0.00
JUNIOR PROFESSIONAL	27.58	424.00	65.13	17.96	52	40.63	11.20	0	0.00	0.00	0	0.00	0.00
TECHNICIAN III	36.64	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	68	70.10	19.33
TECHNICIAN II	31.45	60.00	9.22	2.90	56	43.75	13.76	0	0.00	0.00	0	0.00	0.00
TECHNICIAN I	26.00	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TECHNICIAN INTERN	15.97	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00
TOTALS		651	100	\$32.51	128	100	\$31.17	0	0	\$0.00	97	100	\$35.07



Illinois Department
of Transportation

Route FAU 9302
Project North Main Street Resurfacing
County Monroe
Job No. 13027
Agency City of Columbia

Average Hourly Project Rates

Consultant OATES ASSOCIATES, INC. Date 04/12/13

Sheet 2 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	HYDRAULIC DATA & REPORT					DRAINAGE					UTILITY AND RAILROAD AGREEMENTS, ANALYSIS AND REPORT				
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PRINCIPAL	68.17	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	55.71	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	49.40	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	2	14.29	7.06	0	0.00	0.00
PROFESSIONAL III	45.72	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	42.59	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	31.20	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	27.58	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 III	36.64	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	12	85.71	23.64	0	0.00	0.00
TECHNICIAN II	31.45	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	26.00	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 INTERN	15.97	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	14	100	\$30.69	0	0	0	\$0.00	0	\$0.00



Illinois Department
of Transportation

Route FAU 9302
Project North Main Street Resurfacing.
County Monroe
Job No. 13027
Agency City of Columbia

Average Hourly Project Rates

Consultant OATES ASSOCIATES, INC.

Date 04/12/13

Sheet 3 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	STRUCTURE RPTS/TS & L DRAWINGS				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	68.17	0	0.00	0.00	0	0.00	0.00	2	1.10	0.75	7	3.38	2.31				
SR. PROFESSIONAL II	55.71	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
SR. PROFESSIONAL I	49.40	0	0.00	0.00	0	0.00	0.00	25	13.81	6.82	34	16.43	8.11				
PROFESSIONAL III	45.72	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
PROFESSIONAL II	42.59	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
PROFESSIONAL I	31.20	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
JUNIOR PROFESSIONAL	27.58	0	0.00	0.00	0	0.00	0.00	14	7.73	2.41	28	13.53	4.22				
TECHNICIAN III	36.64	0	0.00	0.00	0	0.00	0.00	140	77.35	21.33	138	66.67	18.38				
TECHNICIAN II	31.45	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
TECHNICIAN I	26.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
TECHNICIAN INTERN	15.97	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	181	100	\$31.32	207	100	\$33.02				



Illinois Department
of Transportation

Average Hourly Project Rates

Route 9302
Project No. 13027
County Monroe
Job No. 13027
Agency City of Columbia

OATES ASSOCIATES, INC.

Consultant

13027
City of Columbia

City of Columbia

Agency

04/12/13

Date

Sheet 4 OF 4

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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	
PRINCIPAL	68.17	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	
SR PROFESSIONAL II	55.71	5	20.83	11.61	0	0.00	0.00	0	0.00	0.00	0	0.00
SR PROFESSIONAL I	49.40	1	4.17	2.06	0	0.00	0.00	0	0.00	0.00	0	0.00
PROFESSIONAL III	45.72	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
PROFESSIONAL II	42.59	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
PROFESSIONAL I	31.20	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
JUNIOR PROFESSIONAL	27.58	14	58.33	16.09	0	0.00	0.00	0	0.00	0.00	0	0.00
TECHNICIAN III	36.64	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
TECHNICIAN II	31.45	4	16.67	5.24	0	0.00	0.00	0	0.00	0.00	0	0.00
TECHNICIAN I	26.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
TECHNICIAN INTERN	15.97	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00
TOTALS		24	100	\$34.99	0	0	\$0.00	0	0	\$0.00	0	\$0.00

Printed 4/12/2013 8:59 AM

PROJECT SCHEDULE

Firm	OATES ASSOCIATES, INC.
Route	FAU 9302
Project	North Main Street Resurfacing - Ph 1
County	Monroe
Job No.	13027
Agency	City of Columbia

TASK	(mos)	2012												2013																
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
FIELD SURVEYS	(1)																													
PROJECT DEVELOPMENT REPORT	(1)																													
UTILITY AND RAILROAD AGREEMENTS	(0)																													
PRELIMINARY ROAD DESIGN	(1)																													
FINAL PLANS/ DOCUMENTS	(1)																													
RIGHT OF WAY	(0)																													
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
		2012	0	0	0	0	0	0	0	0	0	0	0	0	0	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANTICIPATED AUTHORIZATION

DRAFT PROJECT DEVELOPMENT REPORT SUBMITTAL
 PRELIMINARY PLAN SUBMITTAL
 PRE-FINAL PLAN SUBMITTAL
 FINAL PLAN SUBMITTAL
 LETTING

July 2013 (MFT approval from IDOT)
 September 2013
 November 2013
 January 2014
 April 2014
 June 2014