

MAY - 6 2013

ORDINANCE NO. 3032

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


City Clerk

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.

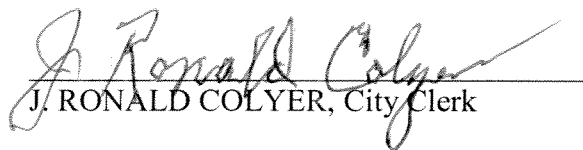
ABSTENTIONS: None.

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

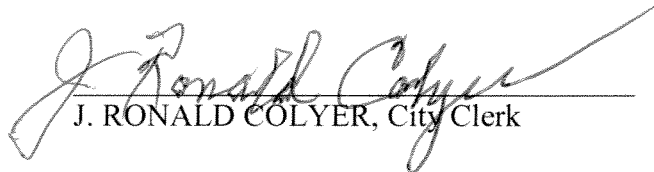
I, J. Ronald Colyer, hereby certify that I am the duly elected and acting City Clerk of the City of Columbia, Illinois and as such I am the keeper of the books, records, files and corporate seal of said City.

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	LOCAL AGENCY	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Motor Fuel Tax Funds	CONSULTANT	Name Oates Associates, Inc.
Township				Address 100 Lanter Court, Suite 1
County Monroe				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	
Under \$50,000	_____	(see note)
		%

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:
- 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.
 - 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,

- 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.
- 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.
- 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.
- 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 _____

By _____

City Clerk

(Seal)

Title Mayor

Executed by the ENGINEER:

Oates Associates, Inc.

100 Lanter Court, Suite 1

Collinsville, IL 62234

ATTEST:

By Joseph G. Hagerty

By Bruce P. Schopp

Title CEO

Title President / COO

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/ TS & 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	\$639.76	\$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		\$7,831.05				\$62,007.17	100.00

EXHIBIT D

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
							651

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. PROF. II	SR. PROF. I	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
1.0 FIELD SURVEYS								Crestview to Whiteside (4,000 ft). Survey 38 new curb ramp locations (17 intersections)
1.1 establish horizontal control	0	4	4	12	52	56	128	
1.1.1 research control location, coordinates, closure route	0	1	0	2	8	8	19	
1.1.2 set control point monuments in field							0	
1.1.3 set control point monuments, GPS							0	
1.1.4 traverse between control points in field		1		2	8	8	18	Set during topo in 1.3.2
1.1.5 office calculations, closure & coordinates							0	
1.2 establish vertical control	0	1	0	2	8	8	19	
1.2.1 research control location, elevations, closure route							0	
1.2.2 set benchmark 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	18	Set during topo in 1.3.2
1.2.5 office calculations, closure & elevations							0	
1.3 establish existing topography	0	2	0	8	0	32	43	
1.3.1 locate existing utilities							0	
1.3.2 topographic/cross section		2		8		32	42	17 intersections at 4 intersections/day
1.3.3 surveys for hydrologic/drainage studies							0	
1.4 process survey data for CADD	0	0	4	0	32	0	36	
1.4.1 draw existing topo					24		24	
1.4.2 create & process TIN							0	
1.4.3 field review and edit			4		8		12	
1.4.4 take sheet plot							0	
1.5 establish proposed improvement location	0	0	0	0	4	8	12	
1.5.1 set proposed centerline control points & ties							0	
1.5.2 staking for soil surveys				4	8		12	Take pavement cores and log results
1.5.3 stake centerline for field check							0	
2.0 INTERSECTION DESIGN STUDIES	0	0	0	0	0	0	0	Not Anticipated or Included
3.0 PROJECT DEVELOPMENT REPORT	5	0	24	0	68	0	97	Anticipate CE 1 with PDR processing
3.1 forms/submittals	1	0	3	0	10	0	14	
3.1.1 TIP sheet							0	
3.1.2 project notification & review							0	
3.1.3 environmental class of action determination (ECAD)							0	
3.1.4 environmental survey request (project studies)	1		2		8		11	Apply for IDNR and BHPA clearance through IDOT ESR process. Review CERCLUS per Section 20-12. Assumes no further action required.
3.1.5 environmental survey request (special waste)			1		2		3	
3.1.6 studies and structures NRHP status request							0	
3.2 meetings	0	0	4	0	0	0	4	
3.2.1 bi-monthly coordination meetings			4				4	Include one coordination meeting with minutes
3.2.2 informational meeting							0	No time included. Assumes ROW will not be required
3.2.3 public hearing							0	
3.3 report tables	0	0	1	0	3	0	4	
3.3.1 cover sheet							4	
3.3.2 table of contents			1		1		2	
3.3.3 index of exhibits					1		1	
3.4 report analysis and text by section	0	0	3	0	20	0	23	Summary of attachments

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. PROF. II	SR. PROF. I	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
3.4.1 purpose of project							0	
3.4.2 location & existing conditions					2		2	
3.4.3 proposed improvements/ criteria			1		4		5	
3.4.4 crash analysis								Gather crash data from City, create collision diagrams, summarize, and review countermeasures
3.4.5 right-of-way			1		8		9	
3.4.6 prime farmland							0	No right-of-way taking anticipated or included
3.4.7 floodplain encroachment							0	N/A
3.4.8 "40A" permit							0	N/A
3.4.9 environmental survey							0	N/A
3.4.10 section 4(f) lands					1		1	Summarize special waste and ESR results
3.4.11 air quality							0	N/A
3.4.12 noise					1		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		1	Summarize public meeting results
3.5 report/exhibits	0	0	5	0	19	0	24	Summarize public informational meeting minutes
3.5.1 location map								
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 PDR format. See 10.1.2
3.5.5 ground level photographs			1		4		5	Label seven Plan Sheets for PDR
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 (TS & L)							0	N/A
3.5.9 project cost estimate							0	N/A
3.5.10 encroachments			1		2		3	Modify and insert estimate of probable cost from STP application
3.5.11 accident data summary and spot maps							0	No right-of-way taking anticipated or included
3.5.12 biological resources sign-off			1		2		3	Insert crash data summary
3.5.13 cultural resources sign-off								
3.5.14 IDNR sign-off							1	Insert ESR sign-offs
3.5.15 SIMPAC sign-off					1			
3.5.16 IL State Clearinghouse sign-off							0	N/A
3.5.17 EWGCC sign-off							0	N/A
3.5.18 public notices & news articles							0	N/A
3.5.19 public informational meeting notice letters					1		1	Insert public meeting article 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								
3.5.22 coordination meeting minutes & memoranda							1	Insert public meeting comment, fact, and attendance sheets
3.6 correspondence	0	0	0	0	1			
3.7 submittals								
3.7.1 print and submit draft for IDOT / FHWA review	4	0	8	0	16	0	28	
3.7.2 respond to review comments	2		4		4		10	QA/QC
3.7.3 final print and submit	2		4		8		14	
					4		4	Obtain City Official signatures
4.0 HYDRAULIC DATA & REPORT	0	0	0	0	0	0	0	Not Anticipated or Included
5.0 DRAINAGE	0	0	0	0	0	0	0	Not Anticipated or Included

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. PROF. II	SR. PROF. I	JR. PROF. I	TECH. II	TOTAL	SCOPE OF WORK
8.0 UTILITY AND RAILROAD AGREEMENTS							
8.1 Utilities	0	0	2	0	12	14	
8.1.1 JULIE request for survey	0	0	2	0	12	14	
8.1.2 coordination prints to utilities					4		4 Call in located and paint locate limits in the field
8.1.3 coordination meetings with utilities					4		4 Two letters (preliminary and pre-final) to utility companies
8.1.4 review utility relocation/adjustment plans (by utility)			2		8	10	0 Not Anticipated or Included
8.1.5 coordinate relocation plans (by OA) [see 11.8]							0 Not Anticipated or Included
8.1.6 utility agreements							0 Not Anticipated or Included
8.2 Railroads	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 RPTS/ TS & 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	181	Aerial photography used as basemap.
10.1 data collection/ criteria	0	0	4	0	12	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	0 Egit existing and proposed typical sections
10.1.3 develop plan base sheet [see 1.4]			2		8	10	0 Cross sections not required for resurfacing
10.1.4 develop existing cross-section elevations							
10.2 horizontal alignment	1	0	2	0	12	15	
10.2.1 set centerline location	1		1		8	10	0 Set centerline based on best fit centerline and historical data
10.2.2 lay out pavement/ shoulders/ medians			1		4	5	0 Offset centerline and review with existing curb lines
10.2.3 review intersection/ interchange geometrics [see 2.2]							
10.2.4 lay out entrances/ access roads							0 Resurfacing should not significantly impact driveways
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 utilities
10.3 vertical alignment	0	0	2	0	8	10	
10.3.1 set centerline profile			1		4	5	0 Cut existing profile based on horizontal alignment
10.3.2 review intersection/ interchange grades [see 2.2]							0 Resurfacing should not significantly impact driveways
10.3.3 review entrances/ access road grades							0 Adjust inlet frame and grades
10.3.4 review storm sewer/ culverts/ ditches [see 5.0]			1		4	5	0 Resurfacing should not significantly impact utilities
10.3.5 review utility conflicts							0 Resurfacing will not require earthwork
10.3.6 develop preliminary earthwork							
10.4 preliminary design development	1	0	7	14	72	94	
10.4.1 pavement analysis & design				2	4	6	0 Pavement design compared to cores. Assume overlay adequate
10.4.2 sidewalk ramps			4	12	56	73	0 38 sidewalk ramp details at 15-hrs/ each
10.4.3 develop construction staging	1		1		4	5	0 Use highway standards for sidewalk work and resurfacing
10.4.4 guardrail/ barriers requirements							0 Not anticipated or included
10.4.5 signage/ pavement markings			2		8	10	0 Review sign retroreflectivity and replace pavement markings in-kind
10.4.6 utility relocation requirements						0	0 Not anticipated or included

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. PROF. II	SR. PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
10.5 preliminary plan development	0	0	2	0	0	18	
10.5.1 plan, alignment/stationing/ curve data				16	0	16	Dimensioning pavement widths and curves
10.5.2 pavement shoulders/ medians/ curbs/ sidewalks				2		2	Dimensioning pavement widths and curves
10.5.3 intersections/ interchanges				2		2	Dimensioning pavement widths and curves
10.5.4 entrances/ access roads						0	Sidewalk ramp warping plan included in 10.4.2
10.5.5 guardrail/ barriers						0	Resurfacing will not significantly impact driveways
10.5.6 bridge approach pavement						0	Not anticipated or included
10.5.7 construction limits						0	Not anticipated or included
10.5.8 right-of-way/ owners				2		2	
10.5.9 benchmarks/ control points			1	4		5	Label property address on plan
10.5.10 profile, grades/ elevations/ curve data			1	4		5	Label CP and TBM on plans
10.5.11 storm sewers/ culverts/ ditches [see 5.0]				2		2	
10.6 preliminary cross sections/ earthwork	0	0	4	0	0	20	Resurfacing should not significantly impact storm sewer
10.6.1 cut existing sections				16	0	16	
10.6.2 proposed roadway templates			4			4	Review roadway cross slopes to determine if any corrections are needed
10.6.3 develop templates (slopes, entrances, drainage)						0	About 80 sections will be reviewed
10.6.4 end areas/ earthwork estimate						0	Included in 10.6.1
10.6.5 fill & label ROW						0	Included in 10.6.1
10.7 submittals						0	Not anticipated or included
10.7.1 preliminary alignment	0	0	4	4	0	8	Not anticipated or included
10.7.2 preliminary plan						0	Included in PDR submittal
10.7.3 preliminary plan (field check)				4		4	Included in PDR submittal
11.0 FINAL PLANS/ DOCUMENTS	7	0	34	28	0	207	
11.1 cover sheet	0	0	2	0	0	2	
11.1.1 location map/ project limits				1		1	
11.1.2 index of sheets				1		1	
11.1.3 standard drawings index			1			1	
11.1.4 general notes			1			1	Highway Standards
11.2 quantities	1	0	6	8	0	57	
11.2.1 pay items & code numbers				42		42	
11.2.2 pavement schedule & quantities			1	2		3	Review special provision requirements
11.2.3 entrances schedule & quantities				4		4	
11.2.4 storm sewer schedule & quantities						0	
11.2.5 pavement markings schedule & quantities						0	
11.2.6 removal schedule & quantities			1	4		5	
11.2.7 earthwork schedule & quantities			1	4		5	
11.2.8 other schedules & quantities						0	
11.2.9 summary of quantity schedule	1					1	sidewalk schedule
11.3 typical sections	0	0	2	8		35	
11.3.1 existing typical sections				24		24	
11.3.2 proposed typical sections				6		6	
11.3.3 structural pavement design			1	4		5	Refined label four existing typical sections
11.4 construction detail sheets	0	0	0	0	0	0	Refined label four proposed typical sections

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. II	SR. I	PROF. I	JR. PROF.	TECH. II	TOTAL	SCOPE OF WORK
11.5 intersection/interchange sheets	0	0	2	8	16	0	26	
11.5.1 intersection/interchange geometrics								
11.5.2 intersection/interchange elevations			1	4	8		13	Refine warping plans prepared in 10.4.2
11.5.3 pavement joint layouts			1	4	8		13	Refine warping plans prepared in 10.4.2
11.5.4 ramp profiles/superelevation							0	N/A Asphalt street
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	0	0	0	0	Use highway standards. No detours
11.7 traffic signal plans	0	0	0	0	0	0	0	N/A
11.8 specialty plan sheets	0	0	3	0	12	0	15	
11.8.1 pavement markings			1		6		7	
11.8.2 signing plans			2		6		8	
11.8.3 lighting plans							0	N/A
11.8.4 utility relocation plans							0	N/A
11.8.5 landscape plans							0	N/A
11.9 road plan/profile sheets							0	N/A
11.9.1 plan alignment/stationing/curve data	0	0	4	0	14	0	18	Refine/label/add quantity callouts to plans prepared in 10.5
11.9.2 pavement shoulders/medians			1		4		5	No additional time
11.9.3 intersections/interchanges							0	Refine linework and add dimensioning
11.9.4 entrances/across roads							0	
11.9.5 guardrail/barriers							0	
11.9.6 storm sewers/culverts/ditches							0	
11.9.7 construction limits			1		2		3	Refine linework and review conflicts with features/ROW
11.9.8 right-of-way/owners							0	No additional time
11.9.9 benchmarks/control points							0	No additional time
11.9.10 profile grades/elevations/curve data			2		8		10	No additional time
11.9.11 cross-references	0	0	0	0	0	0	0	Add quantity callouts and cross references
11.10 cross sections	0	0	0	0	0	0	0	No plan cross sections anticipated or included
11.11 structure plans	0	0	0	0	0	0	0	N/A
11.12 contract documents	2	0	7	12	28	0	49	
11.12.1 check sheets			1		3		4	
11.12.2 supplemental specifications							1	
11.12.3 interim special provisions (BDE)			1		4		5	
11.12.4 special provisions	2		3	6	8		19	
11.12.5 estimate of time			1	2	4		7	
11.12.6 unit cost							0	
11.12.7 estimate of cost			1	4	8		13	
11.13 bidding documents	0	0	0	0	0	0	0	N/A IDOT letting
11.13.1 notice to contractors							0	
11.13.2 proposal							0	
11.13.3 schedule of prices							0	
11.14 final PS&E submittal	4	0	8	0	12	0	24	
11.14.1 plot and assemble final plans			4		4		10	DAVOC
11.14.2 copy and review final CADD files	2						0	
11.14.3 copy and assemble computations							0	
11.14.4 copy and assemble contract documents							0	
11.14.5 final submittal and close-out	2		4		8		14	Respond to review comments

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. PROF. II	SR. PROF. I	JR. PROF. I	TECH. II	TOTAL	SCOPE OF WORK
12.0 RIGHT OF WAY							
12.1 Right-of-way survey	0	5	1	0	4	24	No ROW takings are anticipated or included.
12.1.1 research record information	0	5	1	0	4	24	
12.1.2 review title reports/ ownership reports						4	Courthouse research for plats. Deep research not included.
12.1.3 review locations in field/ set survey limits						0	
12.1.4 locate and tie existing monumentation		1	1		4	8	1/2 day for finding add points after record ROW if estimated
12.1.5 review monumentation against records						0	
12.1.6 supplemental field monumentation						0	
12.1.7 establish property lines/ ROW		4				12	Est. ex. ROW based on record info centerline and back of walk.
12.2 plats, plans, descriptions for ROW acquisition	0	0	0	0	0	0	Not anticipated or included
12.3 submittals	0	0	0	0	0	0	Not anticipated or included
12.4 stake proposed ROW						0	
13.0 CONSTRUCTION PHASE SERVICES	0	0	0	0	0	0	To Be Negotiated Later Under a Separate Agreement
14.0 ADMINISTRATION/ MANAGEMENT	0	0	0	0	0	0	Included in other tasks
15.0 QA/QC	0	0	0	0	0	0	Included in other tasks



Illinois Department
of Transportation

PAYROLL ESCALATION TABLE
FIXED RAISES
NEW FORMULA

FIRM NAME
PRIME/SUPPLEMENT

OATES ASSOCIATES, INC.

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

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

OVERHEAD RATE 155.97%
COMPLEXITY FACTOR 0.000
% OF RAISE 3.00%
0.00
0.035
0.07

ESCALATION PER YEAR

7/1/2013 - 7/1/2013

7/1/2013 - 5/1/2014

-

-

-

10

10

10

103.0000%

100.00%

The total escalation for this project would be:

3.00%



Illinois Department
of Transportation

PAYROLL RATES

FIRM NAME
PRIME/SUPPLEMENT
PTB NO.

OATES ASSOCIATES, INC.

DATE 04/12/13

City of Columbia

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



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

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	68	70.10	19.33
TECHNICIAN III	36.64	0.00	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
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	0.00	0	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 AGREEMENT			SOILS ANALYSIS AND REPORT		
		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
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	0	0.00	0.00	0	0.00	0.00
PROFESSIONAL III	45.72	0	0.00	0.00	0	0.00	0.00	2	14.29	7.06	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	12	85.71	23.64	0	0.00	0.00
TECHNICIAN III	36.64	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	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
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	14	100	\$30.69	0	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 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
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	14	7.73	2.41	28	13.53	4.22
JUNIOR PROFESSIONAL	27.58	0	0.00	0.00	0	0.00	0.00	140	77.35	21.33	138	66.67	18.38
TECHNICIAN III	36.64	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	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
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

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 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	68.17	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	5	20.83	11.61	0	0.00	0.00	0	0.00	0.00	0	0.00	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	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
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	14	58.33	16.09	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	0	0.00	0.00
TECHNICIAN II	31.45	4	16.67	5.24	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		24	100	\$34.99	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00

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	2012												2013				
	(mos)	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	0	0
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	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