CITY		ENGINEER	
CITY OF JOPLIN 602 S. MAIN STREET JOPLIN, MO 64801		Name: Olsson Associates Address: 714 South Main Street Joplin, MO 64801	
Attention: Nick A. Heatherly, PE		Attention: Jack Schaller, PE	
Department: Public Works		Phone: (417) 206-9000	Fax: (417) 206-9002
Phone: (417) 627-0820	Fax: (417) 625-4738	Amendment for 32nd Street	

AMENDMENT #1 TO WORK AUTHORIZATION NUMBER TCO 601 & TCO 602-01
TO AGREEMENT FOR PROFESSIONAL ENGINEERING CONSULTING SERVICES

City and Engineer agree to amend their Agreement for Professional Engineering Consulting Services to include a scope of work and fees for engineering services, by adding the following terms to their Agreement.

1. **Services**. The City agrees to engage the services of the Engineer and the Engineer agrees to perform the services hereinafter set forth in connection with projects described in ***Exhibit A***. Also for the terms of this Amendment #1, the Engineering Services Agreement detailed on the above referenced Work Authorization Number is in full effect.

2. **Addition to Services**. The City may add to the Engineer services or delete therefrom activities of a similar nature to those set forth in ***Exhibit A***, provided that the total cost of such work does not exceed the total cost allowance as specified in Paragraph 5 hereof. The Engineer shall undertake such changed activities only upon the direction of the City. All such directives and changes shall be in written form and prepared and approved by the City and shall be accepted and countersigned by the Engineer.

3. **Term**. The services of the Engineer shall commence as soon as practicable after the execution of this contract, unless otherwise directed in writing, and shall be undertaken and completed in such sequence as to assure their expeditious completion in the light of the purposes of the contract, but in any event, all of the services required hereunder shall be completed as set forth in the schedule for the project which is attached hereto as ***Exhibit A***.

4. **Costs not to Exceed**. The City of Joplin is limited by law with respect to the amount of money it can pay. Therefore, the City has established a fixed sum for this contract, which cannot be exceeded unless this contract is amended. The Engineer providing services hereunder shall be required to keep track of the amount of hours billable under this contract at all times; and any work in excess of the fixed sum shall not be eligible for payment. The Engineer shall notify the City if Engineer anticipates that the contract amount may be exceeded, in order to determine whether or not the City is prepared to increase the total compensation. The Engineer shall establish a billing system showing the amount of money remaining on the contract, which shall be shown in each monthly billing.

5. **Payment**.

a. **Conditioned upon acceptable performance**. The City agrees to pay the Engineer in accordance with the terms set forth in ***Exhibit A***, which shall constitute complete compensation for all services to be rendered under this contract; provided, that where payments are to be made periodically to Engineer for services rendered under this contract, the City expressly reserves the right to disapprove in whole or in part a request for payment where the services rendered during the period for which payment is claimed are not performed in a timely and satisfactory manner in accordance with the schedule and description of services set forth in ***Exhibit A***.

b. **Total compensation not to exceed**. It is expressly understood that in no event will the total compensation and reimbursement to be paid to the Engineer under the terms of this Amendment #1 to Work Authorization Number **601 & TCO 602-01** exceed the sum of Two hundred seventy-one thousand, three hundred ninety-one and 00/100 Dollars ($271,391.00).

6. **Insurance**. Without limiting any of the other obligations or liabilities of the Engineer, the Engineer shall secure and maintain at its own cost and expense, throughout the duration of this Contract and until the work is completed and accepted by the City of Joplin, insurance of such types and in such amounts as may be necessary to protect it and the interests of the City of Joplin against all hazards or risks of loss as hereunder specified or which may arise out of the performance of the Contract Documents. The form and

limits of such insurance, together with the underwriter thereof in each case, are subject to approval by the City of Joplin. Regardless of such approval, it shall be the responsibility of the Engineer to maintain adequate insurance coverage at all times during the term of the Contract. Failure of the Engineer to maintain coverage shall not relieve it of any contractual responsibility or obligation or liability under the Contract Documents.

The certificates of insurance, including evidence of the required endorsements hereunder or the policies, shall be filed with the City at the time that this contract is signed by the Engineer. All insurance policies shall provide thirty (30) days written notice to be given by the insurance company in question prior to modification or cancellation of such insurance. Such notices shall be mailed, certified mail, return receipt requested, to:

City of Joplin - Public Works, 602 S. Main, Joplin, MO 64801; and

Such policies shall name the City as an additional insured with limits of liability not less than the sovereign immunity limits for Missouri public entities calculated by the Missouri Department of Insurance as of January 1 each calendar year and published annually in the Missouri Register pursuant to Section 537.610, RSMo.
(See, http://insurance.mo.gov/industry/sovimmunity.php).

As of January 1, 2016, the minimum coverage for the insurance referred to herein shall be as set out below:

a. Workers' Compensation....Statutory coverage per RSMo 287.010 et seq.
Employer's Liability..... $1,000,000.00

b. Commercial General Liability Insurance, including coverage for Contractual Liability and Independent Contractors Liability. Such coverage shall apply to bodily injury and property damage on an "Occurrence Form Basis" with limits of at least Two Million Seven Hundred Twenty-Seven Thousand Four Hundred Eighty-Nine and no/100 Dollars ($2,727,489.00) for all claims arising out of a single accident or occurrence and at least Four Hundred Nine Thousand One Hundred Twenty-Three and no/100 Dollars ($409,123.00) with respect to injuries and/or death of any one person in a single occurrence and an amount not less than at least $1,000,000 for all claims to property arising out of a single occurrence and at least $100,000 to any one owner with respect to damages to property. Engineer agrees that the proceeds of such insurance policy shall first be used to pay any award, damages, costs, and/or attorneys' fees incurred by or assessed against City, its employees, officers and agents, before payment of any award, damages, costs or attorneys fees of Engineer, its employees, officers or agents. Engineer agrees to cause its insurer to name City as an additional insured on such insurance policy, including the City as an additional insured for coverage under its products-completed operations hazard, and said policy shall be primary and noncontributory.

c. Automobile Liability Insurance covering bodily injury and property damage for owned, non-owned and hired vehicles, with limits of at least Two Million Seven Hundred Twenty-Seven Thousand Four Hundred Eighty-Nine and no/100 Dollars ($2,727,489.00) for all claims arising out of a single accident or occurrence and at least Four Hundred Nine Thousand One Hundred Twenty-Three and no/100 Dollars ($409,123.00) with respect to injuries and/or death of any one person in a single accident or occurrence.

d. Errors and Omissions Insurance. The Engineer shall maintain a professional liability insurance policy in the amount of $1,000,000.00. This policy shall remain in full force and effect for a period of one year after completion and acceptance by the City of the construction of the project.

e. Subcontracts. In case any or all of this work is sublet, the Engineer shall require the subcontractor to procure and maintain all insurance required in subparagraphs (A), (B) and (C) hereof and in like amounts. Engineer shall require any and all subcontractors with whom it enters into a contract to perform work on this project to protect the City of Joplin through insurance against applicable hazards or risks and shall, upon request of the City, provide evidence of such insurance.

f. Notice. The Engineer and/or subcontractor shall furnish the City prior to beginning the work satisfactory proof of carriage of all the insurance required by this contract, with the provision that policies shall not be canceled, modified or non-renewed without thirty (30) days written notice to the City of Joplin.

g. Legislative or Judicial Changes. In the event the scope or extent of the City's tort liability as a governmental entity as described in Section 537.600 through 537.650 RSMo is broadened or increased during the term of this agreement by legislative or judicial action, the City may require Engineer, upon 10 days written notice, to execute a contract addendum whereby the Engineer

agrees to provide, at a price not exceeding Engineer's actual increased premium cost, additional liability insurance coverage as the City may require to protect the City from increased tort liability exposure as the result of such legislative or judicial action. Any such additional insurance coverage shall be evidenced by an appropriate certificate of insurance and shall take effect within the time set forth in the addendum.

7. All other terms and conditions of the original Agreement shall remain in effect.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals on the day and year herein stated.

Discrimination. The Contractor agrees in the performance of this contract not to discriminate on the ground or because of race, creed, color, national origin or ancestry, sex, religion, handicap, age, status as a protected veteran or status as a qualified individual with a disability, or political opinion or affiliation, against any employee of Contractor or applicant for employment and shall include a similar provision in all subcontracts let or awarded hereunder. The parties hereby incorporate the requirements of 41 C.F.R. §§ 60-1.4(a)(7), 29 C.F.R. Part 471, Appendix A to Subpart A, 41 C.F.R. § 60-300.5 (a)ii and 41 C.F.R. § 60-741.5(a), if applicable.

a. This contractor and subcontractor shall abide by the requirements of 41 C.F.R. § 60-300.5(a). This regulation prohibits discriminations against qualified protected veterans, and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans.
b. This contractor and subcontractor shall abide by the requirements of 41 C.F.R. § 60-741.5(a). This regulation prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified individuals with disabilities.

Reports and Information. The Engineer, at such times and in such forms as the City may require, shall furnish the City such periodic reports as it may request pertaining to the work or services undertaken pursuant to this Contract, the costs and obligations incurred or to be incurred in connection therewith, and any other matters covered by this Contract.

Records and Audits. The Engineer shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to the Contract and such other records as may be deemed necessary by the City to assure proper accounting for all project funds. These records will be made available for audit purposes to the City or any authorized representative, and will be retained for three years after the expiration of this Contract unless permission to destroy them is granted by the City.

Copyright. No report, maps, or other documents produced in whole or in part under this Contract shall be the subject of an application for copyright by or on behalf of the Engineer.

Equal Employment Opportunity. During the performance of this Contract, the Engineer agrees as follows:

a) The Engineer will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, religion, or sex. The Engineer will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, national origin, religion, or sex. Such action shall include, but not be limited to, employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Engineer agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the City setting forth the provisions of this non-discrimination clause.
b) The Engineer will, in all solicitation or advertisements for employees placed by or on behalf of the Engineer, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, religion, or sex.
c) The Engineer will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this Contract so that provisions will be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.
d) The Engineer will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

e) The Engineer will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the City and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

f) In the event of the Engineer's noncompliance with the non-discrimination clauses of this Agreement or with any of such rules, regulations, or orders, this Agreement may be canceled, terminated, or suspended in whole or in part, and the Engineer may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

g) The Engineer will include the provisions of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Engineer will take such action with respect to any subcontract or purchase order as the City may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event the Engineer becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the City, the Engineer may request the United States Government to enter into such litigation to protect the interests of the United States

.

Civil Rights Act of 1964. Under Title VI of the Civil Rights Act of 1964, no person shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

Affirmative Action for Handicapped Workers

a. The Engineer will not discriminate against any employee or applicant for employment because of physical or mental handicap in regard to any position for which the employee or applicant for employment is qualified. The Engineer agrees to take affirmative action to employ, advance in employment, and to otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices, such as employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship.

b. The Engineer agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

c. In the event of the Engineer's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

d. The Engineer agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the contractor's obligation under the law to take affirmative action to employ and advance in employment qualified handicapped employees and applicants for employment, and the rights of the applicants and employees.

e. The Engineer will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the contractor is bound by terms of Section 503 of the Rehabilitation Act of 1973 and is committed to take affirmative action to employ and advance in employment physically and mentally handicapped individuals.

f. The Engineer will include the provisions of this clause in every subcontract or purchase order of $2,500 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to Section 503 of the Act, so that such provisions will be binding upon each subcontractor or vendor. The Engineer will take such action with respect to any subcontractor or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

Section 504 of the Rehabilitation Act of 1973, as amended, provides for nondiscrimination of an otherwise qualified individual solely on the basis of his handicap in benefiting from any program or activity receiving Federal financial assistance. All recipients must certify to compliance with all provisions of this Section.

Age Discrimination Act of 1975. No person in the United States, on the basis of age, be excluded from participation in, be denied benefits of, or be subjected to discrimination under, any program or activity receiving Federal financial assistance.

Authorized Employees. Engineer acknowledges that Section285.530, RSMo, prohibits any business entity or employer from knowingly employing, hiring for employment, or continuing to employ an unauthorized alien to perform work within the State of Missouri. Engineer therefore covenants that is not knowingly in violation of subsection 1 or Section 285.530, RSMo, and that it will not knowingly employ, hire for employment, or continue to employ any unauthorized aliens to perform work on the Project, and that its employees are lawfully to work in the United States.

Interest of Engineer and Employees. The Engineer covenants that he presently has no interest and shall not acquire interest, direct or indirect, in the study area or any parcels therein or any other interest which would conflict in any manner or degree with the performance of his services hereunder. The Engineer further covenants that in the performance of this Contract, no person having any such interest shall be employed.

Interest of Members of a City. No member of the governing body of the City and no other officer, employee, or agent of the City who exercises any functions or responsibilities in connection with the planning and carrying out of the program, shall have any personal financial interest, direct or indirect, in this Contract, and the Engineer shall take appropriate steps to assure compliance

.

Interest of Other Local Public Officials. No member of the governing body of the locality and no other public official of such locality, who exercises any functions or responsibilities in connection with the planning and carrying out of the program, shall have any personal financial interest, direct or indirect, in this Contract, and the Engineer shall take appropriate steps to assure compliance.

The Recipient, EDA, the Comptroller General of the United States, the Inspector General of the Department of Commerce, or any of their duly authorized representatives, shall have access to any documents, books, papers, and records of the A/E (which are directly pertinent to a specific grant program) for the purpose of making an audit, examination, excerpts, and transcriptions. The Recipient shall require the A/E to maintain all required records for at least three years after the Recipient makes final payment and all pending matters are closed.

REVIEWED FOR APPROVAL

_____ _____
Name & Title of Staff Project Manager

CERTIFICATE OF DIRECTOR OF FINANCE

I certify that the expenditure contemplated bythis document is within the purpose of the appropriation to which it is to be charged andthat there is anunencumbered balance of appropriated and available funds to pay therefore.

_____
Leslie Haase, Director of Finance

APPROVED AS TO FORM

_____
Peter Edwards, City Attorney

Engineer: Olsson Associates

By: _____

Printed Name: John Olsson

Title: Senior Vice President

Date: 7/6/16

By: _____

Printed Name: Jack Schaller

Title: Project Manager

Date: 7/6/16

CITY OF JOPLIN, MISSOURI

By: _____
Nicholas A. Heatherly, P.E.
Public Works Director

Date: _____

Appendix A
Total Project Fee

32nd Street & Central City Rd. Intersection
Based on 2016 Rates

Task No.	Task Description	Fee Estimate
1	Project Management	$ 16,322
2	Public Involvement	$ 14,998
3	Conceptual Phase	$ 7,910
4	Additional Survey (N, S & W. legs)	$ 5,547
5	Utility Coordination & ROW coordination	$ 15,987
6	Environmental/Historical Review (NEPA)	$ 9,408
7	Preliminary Design Phase (30 percent plans)	$ 11,994
8	Right of Way Plan Phase (60 percent plans)	$ 35,954
9	Permits	$ 12,963
10	Final Design Phase (100 percent plans)	$ 26,003
11	Bidding Phase	$ 5,865
12	Engineering During Construction	$ 14,891
13	Construction Inspection	$ 85,000
14	Expenses	$ 9,550
	Total Project Cost (Not Including Construction Inspection)	**$ 187,391**
	Total Project Cost (Including Construction Inspection)	**$ 272,391**

MAN-HOUR ESTIMATE - 32ND STREET & CENTRAL CITY INTERSECTION

Task No.	Description of Work Items / Tasks	Olsson Associates 2016 Rates								Total Manhours	Total Labor Fee	
		Principal	Project Manager	Client Manager	Assistant Technician	Assistant Engineer	Surveyor	Assistant Surveyor	Administrative Assistant			
		$ 238.70	$ 175.50	$ 159.14	$ 58.35	$ 90.18	$ 90.18	$ 57.29	$ 61.53			
1	**Project Management**											
	Project Management		30							30	$ 5,265	
	MoDOT coordination		20							20	$ 3,510	
	Design Memorandum		3							3	$ 527	
	EDA progress reports		16							16	$ 2,808	
	Monthly Progress Meetings (12 meetings)		24							24	$ 4,212	
												$ 16,322
2	**Public Involvement**											
	Public Meetings (Assume 2)		24	16		16				56	$ 8,201	
	Attend Meetings w/Commission and Provide Exhibits		16	16		16				48	$ 6,797	
												$ 14,998
3	**Conceptual Phase**											
	Prepare Alternative plan exhibits		10		30	40				80	$ 7,113	
	Prepare typical section		3			3				6	$ 797	
												$ 7,910
4	**Additional Survey (N, S & W. legs)**											
	Topographical Survey						10	10		20	$ 1,475	
	Base Map Preparation						8	8		16	$ 1,180	
	Horizontal Control						2	2		4	$ 295	
	Bench Level Run						4	4		8	$ 590	
	Utility Locates						4	3		7	$ 533	
	Legals and tract maps for ROW takings						10	10		20	$ 1,475	
												$ 5,547
5	**Utility Coordination & ROW coordination**											
	utility coordiation Services			19						19	$ 3,024	
	Negotiation services (6 takings at $1500 each) + recording esmts.										$ 9,210	
	Utility Plan Submittal		2		4	4				10	$ 945	
	Utility Review Meetings / Coordination		16							16	$ 2,808	
												$ 15,987
6	**Environmental/Historical Review (NEPA)**											
	NEPA Environmental Review		6			14				20	$ 2,316	
	Compile Data		6			14			10	30	$ 2,931	
	Write report		6			14			30	50	$ 4,161	
												$ 9,408
7	**Preliminary Design Phase (30 percent plans)**											
	Identify any Variances to Design Criteria		2							2	$ 351	
	Preliminary Estimates and Construction Costs		2		2	2				6	$ 648	
	Hydrologic studies and Drainage Plans		1			8				9	$ 897	
	Conceptual Traffic Control Plan		2			2				4	$ 531	
	Preliminary Design		2		2	2				6	$ 648	
	Typical Sheet		1		2	1				4	$ 382	
	Plan Sheets		1		2	2				5	$ 473	
	Profile Sheets		1		2	2				5	$ 473	
	Special Sheets		1		1	1				3	$ 324	
	Preliminary Culvert Sections		1		1	2				4	$ 414	
	Preliminary Cross Sections at 25 foot intervals		1		1	16				18	$ 1,677	
	Tentative Easements and Right of Way Limits		1		1	1				3	$ 324	
	Roundabout horizontal layout		8		20	20				48	$ 4,375	
	QA/QC	2								2	$ 477	
												$ 11,994
8	**Right of Way Plan Phase (60 percent plans)**											
	R.O.W Design		1		4	1				6	$ 499	
	Title Sheet		1		2					3	$ 292	
	Typical Sheet		1		8	4				13	$ 1,003	
	General layout		1			1				2	$ 266	
	Demo sheet		1			2				3	$ 356	
	Plan/Profile Sheets		4		24	24				52	$ 4,267	
	Storm Drainage Plan and Profile Sheets		2		4	36				42	$ 3,831	
	Special Sheets		2		16	6				24	$ 1,826	
	R.O.W. and Easement Plan Sheets		1		4	4				9	$ 770	
	Cross Sections		1		8	24				33	$ 2,807	
	Construction Limits		1		2	2				5	$ 473	
	Design Field Check and R.O.W Revisions		2		2	2				6	$ 648	
	R.O.W Revisions due to Owner Negotiations		1		2	4				7	$ 653	
	Construction Cost Estimate		2		4	4				10	$ 945	
	Roundabout horizontal layout (2 lane ultimate)		4		35	35				74	$ 5,901	
	Roundabout horizontal layout (1 lane interium)		4		25	25				54	$ 4,415	
	Roundabout vertical Design		4		36	36				76	$ 6,049	
	QA/QC	4								4	$ 955	
												$ 35,954
9	**Permits**											
	SWPPP		20			36			20	76	$ 7,987	
	Land Disturbance Permit		10			10			5	25	$ 2,964	
	NPDES Permit		2			15			5	22	$ 2,011	
												$ 12,963

MAN-HOUR ESTIMATE - 32ND STREET & CENTRAL CITY INTERSECTION

Task No.	Description of Work Items / Tasks	Olsson Associates 2016 Rates								Total Manhours	Total Labor Fee	
		Principal	Project Manager	Client Manager	Assistant Technician	Assistant Engineer	Surveyor	Assistant Surveyor	Administrative Assistant			
		$ 238.70	$ 175.50	$ 159.14	$ 58.35	$ 90.18	$ 90.18	$ 57.29	$ 61.53			
10	**Final Design Phase (100 percent plans)**											
	Cover Sheet				1					1	$ 58	
	Summary of Quantities Sheet		2		8	8				18	$ 1,539	
	Typical Section Sheets		1		1	1				3	$ 324	
	General Notes Sheet		1		1					2	$ 234	
	Detail Sheets		1		4					5	$ 409	
	Horizontal/Vertical Control Sheets		1		1					2	$ 234	
	Traffic Control Sheets & Detour Plan		4		15	16				35	$ 3,020	
	Geometric Sheets		1		4	2				7	$ 589	
	Roadway Plan and Profile Sheets		1		6	6				13	$ 1,067	
	Roundabout Final Detailing		8		40	40				88	$ 7,345	
	Removal Sheets		1		2	2				5	$ 473	
	Storm Drainage Plan and Profile Sheets		2		4	4				10	$ 945	
	Sediment and Erosion Control Sheets		1		4	4				9	$ 770	
	Pavement Marking & Signing Sheets		2		8	9				19	$ 1,629	
	Lighting Plan Sheets		2		14	14				30	$ 2,430	
	Right-of-Way Sheets		1		1	1				3	$ 324	
	Irrigation relocation plans for lawn sprinklers		2		16	10				28	$ 2,186	
	Roadway Cross-Section Sheets		1		2	2				5	$ 473	
	Cost Estimates		2		2	2				6	$ 648	
	Special Provisions		2							2	$ 351	
	QA/QC	4								4	$ 955	
												$ 26,003
11	**Bidding Phase**											
	Advertise for and obtain bids for the proposed work		4			4				8	$ 1,063	
	Attend Pre-Bid Meeting		4	4						8	$ 1,339	
	Answer Design Questions		4			4				8	$ 1,063	
	Prepare Addenda		4			4				8	$ 1,063	
	Attend Bid Opening		4	4						8	$ 1,339	
												$ 5,865
12	**Engineering During Construction**											
	Attend Pre-Construction Meeting		4	4						8	$ 1,339	
	Review Shop Drawings		4			20				24	$ 2,506	
	Prepare Change Orders		4			20				24	$ 2,506	
	Prepare Revision Sheets		4			16				20	$ 2,145	
	Answer Design Questions		4			8				12	$ 1,423	
	Evaluate substitute "or equal" bids		2			2				4	$ 531	
	Conduct Site Visits		16	8		4				28	$ 4,442	
												$ 14,891
13	**Construction Inspection**											
	Construction Inspection										$ 85,000	
												$ 85,000
	Total Manhours	10	365	71	378	654	38	37	70	1623	$ 262,841	
	Total Labor	$ 2,387	$ 64,058	$ 11,299	$ 22,056	$ 58,978	$ 3,427	$ 2,120	$ 4,307			
	Total Labor and Expenses											

NEPA DOCUMENTATION

PROJECT DESCRIPTION AND LOCATION

Project will be located at: The intersection of W. 32nd Street and Central City Road, and 1,000 feet east of the intersection – Joplin, Missouri

Project Description: U.S. Economic Development Administration NEPA Environmental Narrative

SCOPE OF SERVICES

Olsson shall provide the following services (Scope of Services) to Client for the Project:

Environmental Narrative Report

Olsson will conduct an environmental review for potential impacts related to construction of Project involving a new intersection roundabout, and replacement of road surface for 1,000 feet east of the intersection at W. 32nd Street and Central City Road in Joplin. The environmental review will be consistent and in compliance with the NEPA requirements of the U.S. Economic Development Administration (EDA) Environmental Narrative Requirements per EDA Directive 17.02-2. The EDA Environmental Narrative requires evaluation of the existing environment, possible alternatives to the project, and examination of 18 environmental factors, a summary of direct, indirect, and cumulative impacts, and inclusion of all supporting documentation for completion of the environmental review and narrative development.

It is assumed that the city will provide existing land use information to be included in this report.

DELIVERABLE

Olsson will prepare an environmental review report detailing results of the evaluation, including findings of potential environmental impacts, mitigation of potential environmental impacts, and public awareness that includes a published notice of the project.

SCHEDULE

Olsson is prepared to start on this project upon receipt of Client's notice to proceed, and will complete the project within 4 months of the notice to proceed, assuming the review and comment period for the EDA or other agencies is not more than 30 calendar days.

TOTAL ESTIMATED COSTS: $9,408.00

TOTAL EXPENSES					
Expenses	**Amount**		**$ Ea.**		**Cost**
Design					
Travel, mile (car)					$7,500.00
Title Work	3		$350.00		$1,050.00
Printing for bidding					$1,000.00
			Total		**$9,550.00**

Other travel or lodging cost	Actual Cost
Meals	Actual Cost
Printing and Duplication including mylars and linens	
In-house	Actual Cost
Outside	Actual Cost
express mail and special delivery	Actual Cost
Film and Photo Developing	Actual Cost
Miscellaneous Materials & Supplies Applicable to this Project	Actual Cost
Copies of deeds, easements, or other project related documents	Actual Cost
Fees for applications or permits	Actual Cost
Sub-consultants	Actual Cost

32nd & Central City Intersection EDA Project - *Exclusions and Assumptions*

A. Exclusions:

1. Waterline design is not included in this contract
2. A traffic noise study is not included in this contract.
3. Storm water detention and water quality design services are not included in the Contract.
4. Temporary or permanent traffic signal design is not included.
5. CLOMR or LOMRs are not included in the contract.
6. Mobile LIDAR is not included in the contract.
7. No additional geotechnical services will be provided with this project. The geotechnical work performed on the 32nd Street project will suffice for this project.

B. Assumptions:

1. Waterline relocation will be handled by Missouri American.
2. Plans and contractual documents assume 1 bid package and construction duration of 1 year. If project is constructed in multiple phases requiring a longer duration, a supplement will be required.
3. Mine remediation will consist of reviewing existing information. If mines are encountered, a supplemental agreement to this contract will be required.
4. Right of Way Revisions after approved Right of Way plans shall be considered additional services.
5. Revisions to any stage of plans shall be considered additional services after approval by owner.
6. As part of this agreement, the fee schedule provided is just an estimate anticipated for completion of this project per the Scope of Services. The time and materials not to exceed fee may be shifted between tasks as appropriate as long as the total contract amount is not exceeded.
7. Olsson Associates will make every attempt to minimize construction costs, but makes no guarantee regarding final construction costs due to the nature of construction and items out of Olsson's control.
8. Olsson Associates will make every attempt to meet the anticipated schedule, but items out of Olsson's control such as permitting and utility conflicts may impact overall schedule.
9. Labor and expenses for a noise study and associated modeling is not included in the cost estimate. If it is determined that a noise study/modeling must be completed, a separate cost estimate that includes field data collection, model development, and a final report will be developed and a supplemental agreement will be required.

32nd Street and Central City EDA Project

	Task Name
1	32nd Street Widening Design Phase
2	Notice to Proceed
3	Project Management
4	Overall Project Management
5	Internal Project Management
6	Design Memorandum
7	Monthly Progress Meetings (12 meetings)
8	Public Involvement / Communication Plan
13	Conceptual Phase
14	Prepare Layout
15	Prepare Cost Estimate
16	QA/QC
17	Submit Report to City
18	City Review Period
19	Address City Comments
20	Submit Final Report and Recommendation
21	Survey
30	Utility Coordination
35	Environmental/Historical Review
40	Preliminary Design Phase (30 percent plans)
57	Right of Way Plan Phase (60 percent plans)
73	Permits
77	Final Design Phase (100 percent plans)
103	Bidding Phase
109	32nd & Central City Construction Phase
110	Construction Administration
119	Construction Inspection
120	Construction Inspection

