

Mascoutah City Council

January 6, 2014

REGULAR MEETING AGENDA

City Council Meeting - 7:00 pm

1. PRAYER & PLEDGE OF ALLEGIANCE
2. CALL TO ORDER
3. ROLL CALL
4. AMEND AGENDA – consideration of items to be added/ deleted to /from the meeting agenda. *No action can be taken on added items, but may be discussed only. Exceptions – emergency items as authorized by law.*
5. MINUTES, December 16, 2013 City Council Meeting (Page 1 to Page 5)
MINUTES, December 16, 2013 Executive Session Meeting (Confidential, see City Clerk)
6. PUBLIC COMMENTS (3 minutes) – opportunity for the public to comment.
7. REPORTS AND COMMUNICATIONS
 - A. Mayor
 - B. City Council
 - C. City Manager
 - D. City Attorney
 - E. City Clerk
8. COUNCIL BUSINESS
 - A. Council Items for Action:
 1. Engineering Services – North 10th Street Extension (Page 6 to Page 17)
Description: Approval of Engineering Services Agreement with Kuhlmann Design Group, Inc. (KdG) for preparing construction documents for the North 10th Street Extension Project.

Recommendation: Council approval.
 - B. Council – Miscellaneous Items
 - C. City Manager
9. PUBLIC COMMENTS (3 MINUTES)
10. ADJOURNMENT TO EXECUTIVE SESSION
 - A. Litigation – Section 2(c)(11)
11. MISCELLANEOUS OR FINAL ACTIONS
12. ADJOURNMENT

POSTED 1/3/14 at 5:00 PM

**CITY OF MASCOUTAH
CITY COUNCIL MINUTES
#3 WEST MAIN STREET
MASCOUTAH, IL 62258-2030**

DECEMBER 16, 2013

The minutes of the regular meeting of the City Council of the City of Mascoutah.

PRAYER AND PLEDGE OF ALLEGIANCE

City prayer was delivered by City Clerk Kari Haas. The Council remained standing and recited the Pledge of Allegiance.

CALL TO ORDER

Mayor Gerald Daugherty called the meeting to order at 7:00 p.m.

ROLL CALL

Present:

Mayor Gerald Daugherty and Council members Ben Grodeon, Paul Schorr, John Weyant, and Pat McMahan.

Absent:

None.

Other Staff Present:

City Manager Cody Hawkins, City Clerk Kari Haas, City Attorney Mike Nowak, Fire Chief Joe Zinck, Public Safety Director Bruce Fleshren, City Engineer Ron Yeager, Finance Coordinator Lynn Weidenbenner, and Assistant City Manager Lisa Koerkenmeier.

Establishment of a Quorum: A quorum of City Council members was present.

AMEND AGENDA

None.

MINUTES

The minutes of the December 2, 2013 regular City Council meeting were presented and stood as presented. The minutes of the December 2, 2013 Executive Session meeting were presented and stood as presented.

Motion passed. Passed by unanimous yes voice vote.

PUBLIC COMMENTS

None.

DEPARTMENT REPORTS

Fire Chief Joe Zinck – November 2013 report was provided.

Public Safety Director Bruce Fleshren – November 2013 report was provided.

Finance Coordinator Lynn Weidenbenner – Monthly financials provided.

City Engineer/Director of Public Works Ron Yeager – Status report on public projects and monthly building permits report provided. Councilman Grodeon asked about the funding for the major street improvements project and if that opens up any opportunities for phasing. City Manager stated that the funding has been looked at briefly and phasing could be looked into but are still looking at probably a year to 18 months out before construction would start. Councilman Grodeon voiced concerns over the fund balance in the General Fund which is why he asked about phasing. Councilman Weyant asked when the Huddle House is expected to open. City Engineer stated that it is expected to open January 13th. Councilman Weyant asked about Perrin Road and the tie in to Route 4 and if we would still be able to accommodate them for opening. City Engineer stated that the tie in to Route 4 would be done in piece-meal in order to accommodate traffic to and from the gas station and Huddle House. City Engineer stated that we will be required to put the turn lane in at that time.

Assistant City Manager Lisa Koerkenmeier – Monthly report was provided. Councilman Weyant asked about an update on the Douglas Apartments. Assistant City Manager stated that the developer does have the revised plans completed and those will be coming in shortly and hoping to have the remaining issues resolved and the project started soon. Councilman Weyant asked about the resurfacing for Douglas Avenue. City Manager stated that the resurfacing will be done at the front end of the project. Councilman Weyant asked about the Mascoutah Acres mobile home park. Assistant City Manager stated that the current owner has been in possession of the mobile home park for a few years now and has been removing the older homes and has come in with a plan for double-wide mobile homes. Assistant City Manager stated that the next step for him is to submit a site plan which hopefully will be done next month.

REPORTS AND COMMUNICATIONS

Mayor

Attended the following meetings and functions: IML Winter Board meeting in Chicago, sing-a-long at the Chapel, Chamber After Hours.

City Council

Grodeon – Attended the following meetings and functions: Christmas Parade, City Christmas party.

Schorr – Attended the following meetings and functions: Christmas Parade, community Christmas concert, City Christmas party.

Weyant – Attended the following meetings and functions: Chamber meeting, Christmas Parade, sing-a-long at the Espenschied Chapel, Chamber After Hours, City Christmas party.

McMahan – Attended the following meetings and functions: Christmas Parade, City Christmas party.

City Manager
Nothing to report.

City Attorney
Nothing to report.

City Clerk
Nothing to report.

COUNCIL BUSINESS

CONSENT CALENDAR (OMNIBUS)

The November 2013 Fund Balance Report and Claims & Salaries Report were provided under the omnibus consideration.

Councilman Schorr asked about the large cash decrease. City Manager stated that it is due to the payments for the street improvements project, general liability insurance payment and a GO bond payment.

Grodeon moved, seconded by Schorr, to accept all items under Omnibus consideration.

Motion passed. AYE's – Grodeon, Schorr, Weyant, McMahan, Daugherty. NAY's – none.

ENGINEERING SERVICES – FUESSER ROAD, PHASE 2

City Manager presented report for Council consideration of approval of engineering services agreement with Thouvenot, Wade and Moerchen, Inc. for preparing construction documents for the Fuesser Road, Phase 2 Project.

Councilman Schorr asked about the geotechnical report and if it had been done on prior road projects. City Engineer stated that it was done on phase 1 of Fuesser Road.

Councilman Grodeon asked how this price compared to what the estimate was. City Engineer stated that the construction documents fee structure is in-line with original estimates. City Engineer stated that the additional services for the intersection design study was not in the original estimation. City Engineer stated that the ROW and easement documents pricing is in line with original estimates. City Engineer stated that the costs for construction inspections is a little high because initially it was looked at having the City to do the inspections but with three projects going on at the same time, the City did ask TWM to help out with the inspections on a part-time basis and it is hourly with a maximum amount and are hoping it will come in less than that. Councilman Grodeon commented on trying to stay away from the hourly plus direct costs and trying to get fixed costs. City Engineer provided additional information regarding the hourly plus direct costs

Weyant moved, seconded by McMahan, to accept the City Manager's engineering recommendation to approve TWM for engineering services for the Fuesser Road Phase 2 Project and authorize appropriate City officials to execute the necessary documents.

Motion passed. AYE's – Grodeon, Schorr, Weyant, McMahan, Daugherty. NAY's – none.

COUNCIL – MISCELLANEOUS ITEMS

Mayor provided information regarding the Southwestern Illinois Leadership Council and their request for additional funding from local municipalities to help with the costs for Scott AFB and the SWIL Defense Assets Retention and Expansion Task Force, ensure re-accreditation of the levies, coordinate regional economic development efforts, and other items. Mayor stated that they are asking for \$20,000 over 3 years. Council discussed the request and will provide feedback to the City Manager and the Mayor so that they can respond to SWIL Leadership Council.

CITY MANAGER – MISCELLANEOUS ITEMS

City Manager provided information regarding the engineering for the sewer treatment facility plan and is looking for some feedback from Council regarding their thoughts. Councilman Weyant asked if we had any more information from Scott AFB. City Manager stated that they have tried to obtain information but Scott AFB has not made any decision yet. City Manager stated that a plan is needed to expand the existing plant to accommodate our current needs and the impact of Scott AFB would affect the decision of whether a second plant would be needed to the north and how large. Councilman Schorr stated that he likes the idea of having the two engineering firms working together. Councilman Grodeon commented on the possible redundancy that could occur with using two firms.

City Manager provided information regarding the repairs needed at the swimming pool and the price quote from St. Louis Pool. City Manager stated that the City does have a \$100,000 DCEO grant to apply for to help with funding the repairs needed but it is a matter of timing on when the funding would be received from DCEO. City Manager stated that this is a more specialized area of work and would like to waive the bidding requirements. City Manager stated that he is looking for feedback from Council on their thoughts about funding. Councilman Grodeon asked about why we wouldn't go through the formal bidding process. City Manager stated that we can go through the bidding process and see what the results are but was more concerned with the funding. Council was in agreement to go through the bidding process.

PUBLIC COMMENTS

Debra Dudrey (617 E Main Street) – commented on a problem with a missing refrigerator; refrigerator that she ordered was delivered to a neighbors house; her neighbor called the police department and city hall; Steve Powers came by with a city truck and picked up the refrigerator and scrapped it; asked why the City was even involved and why there was a police report; stated that someone is responsible for this and needs to be paid for. City Manager commented on the incident and provided information regarding the incident.

ADJOURNMENT TO EXECUTIVE SESSION

Grodeon moved, seconded by Schorr, to adjourn to Executive Session to discuss Sale/Lease of Public Property – Section 2(c)(6) and Discussion of Closed Session Meeting Minutes – Section 2(c)(21) at 7:51 p.m.

Motion passed. AYE’s – Grodeon, Schorr, Weyant, McMahan, Daugherty. NAY’s – none.

RETURN TO REGULAR SESSION

Schorr moved, seconded by Weyant, to return to Regular Session at 8:01 p.m.

Motion passed. Motion passed by unanimous yes voice vote.

MISCELLANEOUS OR FINAL ACTIONS

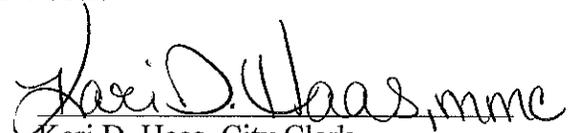
Schorr moved, seconded by Grodeon, to approve and adopt Resolution No. 13-14-13, a Resolution Regarding the Release of Closed Session Minutes and approve and adopt Resolution No. 13-14-14, a Resolution Authorizing the Destruction of Closed Session Tapes.

Motion passed. AYE’s – Grodeon, Schorr, Weyant, McMahan, Daugherty. NAY’s – none.

ADJOURNMENT

McMahan moved, seconded by Weyant, to **adjourn at 8:03 p.m.**

Motion passed. Motion passed by unanimous yes voice vote.


Kari D. Haas, City Clerk

**CITY OF MASCOUTAH
City Manager's Office**

Staff Report

TO: Honorable Mayor and City Council
FROM: Cody Hawkins City Manager
SUBJECT: **Engineering Services – North 10th Street Extension**
DATE: January 6, 2014

REQUESTED ACTION:

Approval of Engineering Services Agreement with Kuhlmann Design Group, Inc. (KdG) for preparing Construction Documents for the *North 10th Street Extension Project*.

BACKGROUND INFORMATION:

This project will include constructing North 10th Street from Hackberry Drive to Winchester Street with a 5' wide sidewalk on one side and striped bike lane on the pavement or a separate 10' wide off-road combination bike and walking trail. The new street will also include connections with Antique Lane, Larkspur Drive, Perrottet Drive and Laura Street. The total length of this project will be approximately 1,560 feet and the preliminary estimated construction cost is \$800,000.

Engineering Services: This request is for engineering services approval. The City Manager recommends approving a contract with KdG for these services with a fee structure as follows:

Prepare Construction Documents for Bidding – Lump Sum Amount =	\$107,820
Prepare R.O.W. and Easement Documents – Hourly plus Direct Costs =	\$ 8,890
Part-time Construction Inspection/Admin. – Hourly plus Direct Costs =	\$ 45,530
Geotechnical Report prepared by SCI Engr. – Lump Sum Amount =	\$ 12,020
	\$174,260

See Attachment A – KdG Professional Services Agreement with man-hour breakdown.

FUNDING:

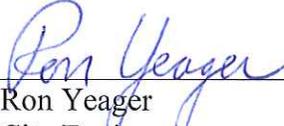
This project will be paid for with a G.O. Bond or a low interest bank loan.

RECOMMENDATION:

The City Manager recommends approving a contract with KdG for engineering services in the amount of \$174,260.00 for performing field surveys, preparation of construction documents, R.O.W. and easement documents, part-time construction services and geotechnical services for the *North 10th Street Extension Project*.

SUGGESTED MOTION:

I move that the Council accept the City Manager's engineering recommendation to approve KdG for engineering services for the *North 10th Street Extension Project* and authorize appropriate City officials to execute the necessary documents.

Prepared By:  Approved By: 
Ron Yeager City Engineer Cody Hawkins City Manager

Attachment A – KdG Professional Services Agreement

Municipality City of Mascoutah, Illinois	LOCAL AGENCY	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Motor Fuel Tax Funds	CONSULTANT	Name Kulhmann design Group, Inc.
Township Mascoutah				Address 15 E Washinton St.
County St. Clair				City Belleville
Section N/A				State Illinois

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 10th St. Extension

Route _____ Length 0.33 Mi. 1750.00 FT (Structure No. _____)

Termini Hackberry/10th St intersection to stub south of Winchester Dr.

Description: Construct roadway with two 14' lanes and PCC C&G. Storm sewer, ditch work and open throat inlets. Dual box culvert installation in Hog Creek. Separate multi use trail or sidewalk and on pavement bike route. Soil borings. Right of Way/Easement documents and assistance during construction.

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. (limited to reviewing report provided by the City for the applicable data)
 - 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 LA.
 - 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 ordered at the same time the original is printed 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 LA. 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, 1b, ~~1c~~, 1d, 1e, 1f, 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 \$107,820 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 Under \$50,000	Percentage Fees	(see note)
	_____	%
	_____	%
	_____	%
	_____	%
	_____	%

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

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. * (to utilize his Standard Hourly Rates).

"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:
but no sooner than May 1, 2014.

~~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 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 _____ 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. *(at ENGINEER'S Hourly rates)

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 * _____ 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. *(at ENGINEER'S Hourly rates)

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:

(Municipality/Township/County) of the
ATTEST: State of Illinois, acting by and through its
By _____

Clerk By _____
(Seal) Title _____

Executed by the ENGINEER:

ATTEST: _____
By _____ By _____
Title _____ Title _____

Approved

Date
Department of Transportation

Regional Engineer

Task	Task Description	Estimated Man-Hours	Per Each Task	Project Manager III	Project Manager II	Project Manager I	Designer III	Designer II	Designer I	Designer	Survey PVI	3-Man Crew	2-Man Crew	Field Supr II	Field Supr I
I.	PRELIMINARY PLANS														
	a. Cover, Under Street	295	\$26,510												
	b. Location Map (1 sheet)	4	\$20												
	c. Traffic Projections (see by telephone conversation with City Engineer)	4	\$20												
	d. Typical Sections for existing and proposed, including side streets.	2	\$20												
	e. Plan and profile proposed road (1,750') - 20 scale - 3 sheets	53	\$2,685												
	f. Twp. Box Culverts	70	\$6,050												
	Coordinate hydraulic and roadway designs for structural layout of the new culvert	4	\$350												
	Review geotechnical report	4	\$350												
	Prepare a structural design and details for new precast culvert. Typical DOT details if applicable	12	\$1,080												
	Prepare a structural design and details for new cast-in-place concrete flared end walls	12	\$1,080												
	f. Preliminary Cross-sections	70	\$6,050												
	g. Respond to Comments/Resubmit	28	\$2,420												
	h. Preliminary Construction Cost Estimate	9	\$955												
	i. Public Involvement	0	\$0												
	Miscoutah mtg. (up to 3)	6	\$750												
	Utility Contact and Coordination	12	\$1,320												
	Public Meetings (up to 1)	4	\$540												
	j. Cost Analysis bike trail (on vs off road)	0	\$0												
	Planimetric areas/Quantities	12	\$1,220												
	Cost Estimates	9	\$1,020												
II.	DRAINAGE STUDY	81	\$9,725												
	a. Identify Existing Drainage Patterns and Watersheds	12	\$1,320												
	b. Preliminary Drainage Design (Ditch and Enclosed system)	40	\$5,100												
	c. Outlet Evaluation/Erosion Protection Design	8	\$1,008												
	d. Review detention outfall and Emergency overflow from regional detention (by others)	3	\$375												
	e. Review hydraulic report, size proposed box culverts	7	\$740												
	f. Corps of Engineers joint 404 Permit	4	\$740												
	g. Surface Water Protection District	4	\$500												
	h. Design Binder/Calculations	4	\$500												
III.	FINAL PLANS AND DRAWINGS	387	\$34,290												
	a. Cover Sheet	1	\$80												
	Location map	1	\$80												
	List of Standard Drawings	1	\$80												
	Roadway Class, Project Limits, Length, etc	2	\$205												
	b. Typical sections (Urban) - 1 sheet	3	\$285												
	Two-Lane 10th St. - typical crown.	2	\$285												
	Entrance Drive - Typical	3	\$285												
	Pavement design coordination to plans	3	\$285												
	Stiproad - Typical	2	\$205												
	c. General Notes (1 sheet)	1	\$80												
	Index of sheets	2	\$205												
	List of Utility Companies	2	\$205												
	Misc. General Notes	2	\$205												
	d. Mainline Tie Points and Geometric Layout (1 sheets)	1	\$80												
	Alignment	2	\$205												
	Ties	1	\$80												
	Benchmarks	1	\$80												
	e. Summary of Quantities (Not in plans)	3	\$285												
	Research Coded Pay Items	3	\$285												
	f. Plan / Profile 1" = 20' 1,750 feet	60	\$5,385												
	Mainline Station (3 sheets)	17	\$1,785												
	g. Final Drainage	8	\$785												
	h. Storm Sewer Sheets 1" = 10' (3 sheets)	3	\$305												
	Incorporate into plan sheets	11	\$1,015												
	Profiles (3 sheets)	32	\$3,650												
	i. Erosion Control Plans (3 sheets)	3	\$285												
	General notes, Standards and Details	1	\$80												

Task	Estimated Man-Hours	Task Description	Fee Each Task	Kohlmann Design Group											Field Supr I	Field Supr II		
				Project Mgr III	Project Mgr II	Project Mgr I	Desgn III	Desgn II	Desgn I	Tech III	Word Proc	Survey PW I	3-Man Crew	2-Man Crew				
Plan Sheet (2 sheets)	9		\$765															
J. Traffic Control Plans (1 sheets)	3		\$285															
General notes, standards and details (Form)	9		\$765															
K. Permanent Pavement Marking (1 sheets)	5		\$445															
1. Intersection Layout and Warning Plans 1' = 10' (2 sheets)	19		\$1,655															
m. Miscellaneous Details (4 sheets)	4		\$320															
Entrance Details	4		\$320															
Miscellaneous Details	5		\$445															
Storm Sewer Outlet Erosion Control	8		\$740															
Pipe Culverts/Headwalls (4 each)	46		\$3,950															
n. Cross Sections	9		\$765															
Mainline 1620' / 50' = 33 sections (7 sheets)	12		\$960															
Sidewalks 2 ea. X.5 (1 sheets)	10		\$840															
Storm Road Culverts 4 ea. (1 sheets)	6		\$500															
Quantity Take-Offs and Estimate of Cost	44		\$3,700															
Quantity Take-Offs	30		\$2,940															
Estimate of Cost	10		\$1,025															
Coordination	10		\$1,090															
q. Pre-final submittal to City	6		\$570															
r. Revise plans per City Comments	44		\$3,700															
IV. SPECIAL PROVISIONS AND FRONT END DOCUMENTS	40		\$4,230															
a. General - location, description, etc.	8		\$895															
b. Removal items	8		\$895															
c. Roadway items	6		\$655															
d. Drainage items	6		\$655															
e. Traffic items	5		\$520															
f. Box/Wingwall items	5		\$440															
V. FIELD SURVEYS AND BASE MAP	129		\$17,450															
a. Research deeds, monument records and tie-in Section Corners and Property evidence along alignment (15 parcels)	18		\$2,010															
b. Coordinate Utility Locate (hold joint meeting) and tie in facilities and/or review facilities maps. Work with locators to tie in marks and facilities.	9		\$1,305															
c. Locate existing control and set new control points. Level loop for vert. component.	16		\$2,400															
d. Set centerline alignment for 10th St.	9		\$1,305															
e. Topo and X-section each cross street for 200' r/w to r/w intersection of Winchester Dr. (50' beyond right of way)	4		\$600															
f. Topo and X-section (50' stations), 10th St. Corridor from the intersection of Park Rd. to the intersection of Winchester Dr. (50' beyond right of way)	33		\$4,050															
g. geometric design 100' at Hackberry and 10th St. Corridor	2		\$300															
h. Collect data for 4 existing roadway typical sections	6		\$700															
i. Generate TIN, draft for S&S drawing and field check survey	12		\$1,360															
j. Survey CA/QC & submittals	12		\$1,420															
k. Survey management	8		\$1,000															
VI. Quality Assurance (CA/QC)	56		\$7,280															
a. Plans / Drawings	4		\$6,090															
b. Special Provisions	1		\$390															
VII. ADMIN / PROJECT MANAGEMENT	59		\$6,235															
a. Masspurch coordination during design effort	2		\$590															
b. Coordination with Geotechnical Subconsultant	8		\$520															
c. Misc. Administration	3		\$325															
d. Workload schedule	6		\$550															
e. Coordination Meetings (internal and design team)	16		\$2,000															
f. Project Management	8		\$800															
g. Bid questions (5 distinct and separate RFI/addenda	3		\$760															
h. Bid Tab, check pricing, recommendation letter	3		\$760															
Geotechnical (see borings, GR, ICR, lab work, pavement design) see man hours	1,047		\$106,770															
			\$12,020															
			\$118,790															

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Task	Task Description	Estimated Man-Hours Group	Fee Each Task										Kuhlmann Design Group									
			Project Mgr III	Project Mgr II	Project Mgr I	Design III	Design II	Design I	Arch III	Arch II	Arch I	Word Proc	Survey PFI	3-Man Crew	2-Man Crew	Field Supr	Field					
VIII.	CONSTRUCTION SERVICES	419	\$145.00	\$135.00	\$125.00	\$105.00	\$90.00	\$80.00	\$75.00	\$65.00	\$125.00	\$715.00	\$150.00									
	a. Pre-Construction meeting assistance	4																				
	b. Review Shop drawings (10 items)	36																				
	c. site visit (Construction observation with report form) 80 days @ 4hr/day	320																				
	d. Change orders (max 3)	18																				
	e. Review monthly Pay request	7																				
	f. Coordinate material testing	0																				
	g. Measure/record record quantities (included in site visit time)	2																				
	h. Progress update with City Engineer	6																				
	i. Project closeout binder with reports/files	16																				
	j. Hard copy record drawings	6																				
	k. Final punch list walk and project closeout coordination.	4																				
IX.	PROPERTY OWNERSHIP PLAT	74																				
	a. Review/research plats, deeds and back-up documents. Create exist ROW strip map	32																				
	b. Design ROW and easements, prepare exhibits for LA and plats, prepare legal descriptions (up to 5 parcels)	8																				
	c. State propose ROW (temp) for LA	10																				
	d. Set ROW corners, set missing corners, 3-corners, generate monument reports	12																				
	e. Set monument records (up to 5 parcels)	4																				
	f. Survey O&G and Submittals	8																				
	g. Survey management	4																				
HOURLY GRAND TOTAL		493	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390	\$53,390					

Total Man-Hours (KdG): 1540
 Direct Expenses: \$172,180
 Total Project: \$174,280

Direct Expenses:
 Graphic board presentation (\$200 per board, max 3) \$600
 Travel to Project Site 80 trips x 22 miles x \$0.585 = \$1,030
 Misc. Survey Supplies \$200
 Printing \$250
 Total \$2,080 @ ACTUAL COST (REIMBURSABLES)



SCI ENGINEERING, INC.

CONSULTANTS IN DEVELOPMENT,
DESIGN AND CONSTRUCTION
GEO TECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

December 10, 2013

Mr. Ronald Stuckel, P.E.
Kuhlmann Design Group, Inc.
15 East Washington
Belleville, Illinois 62220

RE: Proposal for Geotechnical Exploration
North 10th Street Improvements
Mascoutah, Illinois
SCI No. 2013-3222.51

Dear Mr. Stuckel:

SCI Engineering, Inc. (SCI) is providing this proposal for a geotechnical exploration for the above project. The purpose of our geotechnical services will be to explore the subsurface conditions and develop design and construction recommendations for the foundations and earth-related phases of the project.

PROJECT DESCRIPTION

The project will feature improvements to North 10th Street by extending the roadway approximately 1,560 feet north from Hackberry Drive to Winchester Street. A majority of the alignment is currently unpaved. In addition, a double box culvert is planned near the south end of the alignment in the existing drainage canal. Although plans for the project are not currently available, we anticipate that cuts and fills on the order of 2 to 3 feet will be required for the improvements.

GEO TECHNICAL SERVICES

We will explore the subsurface conditions by drilling 5 roadway borings and 2 culvert borings along the roadway alignment. Kuhlmann Design Group, Inc. (KDG) will be responsible for surveying the borings and providing ground surface elevations and stationing at each boring location. The roadway borings will be drilled to a depth of 7.5 feet along the proposed roadway alignment. The culvert borings will be drilled to a depth of 40 feet, unless auger refusal terminates drilling at a shallower depth. The borings will be sampled with Standard Penetration Tests (SPTs) at 2½-foot intervals in the upper 10 feet and at 5-foot intervals thereafter. A bulk sample will be retrieved for further testing. All the boreholes will be backfilled with soil cuttings upon completion. No rock coring is included in this proposal.

Upon completion of the field exploration, the samples will be transported to our laboratory for classification and characterization. Selected samples of the soils encountered will be subjected to unconfined compression tests using a Rimac apparatus. A hand penetrometer will be used to estimate the soil strength if the sample is not conducive to Rimac testing. We will measure the moisture content of each cohesive sample. Atterberg limits tests will be performed on selected samples to aid in classification

Mr. Ronald Stuckel, P.E.
Kuhlmann Design Group, Inc.

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December 10, 2013
SCI No. 2013-3222.51

and assess the volume change characteristics of the subgrade soils. A Standard Proctor test and Immediate Bearing Value test will be performed on the bulk sample to determine the compaction characteristics of the onsite soils and to aid in pavement design.

The results of the field exploration and laboratory testing will be analyzed by our geotechnical engineer. Our findings and recommendations, along with supporting data, will be presented in a formal roadway geotechnical report, which will address each of the following:

- Assessment of the geotechnical conditions relative to the probable impacts on construction feasibility. Conditions addressed will include groundwater concerns, weak compressible soils, and expansive clays.
- Foundation recommendations for the culvert
- A discussion of the Shrink/swell potential of subgrade soils (excludes laboratory swell tests)
- Subgrade drainage characteristics
- A rigid or flexible pavement design based on traffic loads provided by KDG
- General location, description, and disposition of existing fill materials, if encountered
- Influence of groundwater and/or bedrock, if encountered, on design and construction

MANHOUR NEGOTIATION WORKSHEET

Phase I Design Services

Project Mascoutah Street Improvement
 Contracting Entity City of Mascoutah

Route North 10th Street
 Location: North 10th Street Extension
 County St. Clair Section _____
 Contract No. _____

Assumptions
 1 RGR to complete
 No significant grade changes to require slope stability or settlement analysis
 traffic control not needed
 KdG to provide surveying if required of boring locations.

		CONSULTANT			
		NO. OF Reports	TOTAL HOURS/ Report	TOTAL HOURS	RESPONSIBLE CONSULTANT
14.1	Review Available Geologic, Soil, and Other Subsurface Information				
	1 Review Geologic				SCI
	2 Review Existing Soil Information				SCI
	3 Mine Subsidence				SCI
	4 Perform (1) Field Reconnaissance Visit				SCI
	5 Print and Submit Review Summary				SCI
14.2	Coordination and Field Exploration			31	
	1 Coordinate with Utilities			2	SCI
	2 Boring Layout			3	SCI
	3 Property Access Letters				SCI
	4 Conduct limited Site clearing for boring access				SCI
	5 Provide flaggers for Traffic Control* (Assume City will provide traffic control)				SCI
	6 Log Soil Borings			20	SCI
	7 Coordination/ Management Laboratory Testing			2	SCI
	8 Develop Boring Logs (gINT)			4	SCI
14.4	Roadway Geotechnical Reports			41	
	1 Generate Soil Profile Sheet	1	6	6	SCI
	2 Site Investigation / Generalized Subsurface Conditions	1	2	2	SCI
	3 Settlement Evaluation	1	2	2	SCI
	4 Slope Stability Evaluations				SCI
	5 Seismic Considerations				SCI
	6 Foundation Evaluations	1	4	4	SCI
	7 Mining Activity	1	1	1	SCI
	8 Construction Considerations	1	2	2	SCI
	9 Pavement Design	1	4	4	SCI
	10 Design Recommendations	1	8	8	SCI
	11 Print and Submit RGR	1	4	4	SCI
	12 Revisions After Review	1	8	8	SCI
14.5	Meetings			4	
	1 Department - Assume 4 hours per				SCI
	2 Prime - Assume 4 hours per	1	4	4	SCI
	3 SubConsultants				
	SUBTOTAL			76	
14.6	QA/QC			4	4%
	1 Review				SCI
	2 Field Investigation			2	SCI
	3 SGR			2	SCI
	4 RGR				SCI
	SUBTOTAL			80	
14.7	Administrative/Management			5	5%
	1 Review				SCI
	2 Field Investigation			2	SCI
	3 RGR			3	SCI
	4 SGR (not used)				SCI
	GRAND TOTAL			85	SCI