



The City of Lee's Summit
Action Letter
Public Works Committee

Monday, January 30, 2017

4:30 PM

City Council Chambers

City Hall

220 SE Green Street

Lee's Summit, MO 64063

1. CALL TO ORDER

The January 30, 2017 Public Works Committee meeting was called to order by Vice-Chairman Binney, at 4:33 p.m. at City Hall, 220 SE Green Street, in the City Council Chambers. Notice had been provided by posting the meeting notice with a tentative agenda, at least 24 hours in advance of the meeting, at both entrances to City Hall.

2. ROLL CALL

Present: 4 - Vice Chair Rob Binney
Councilmember Craig Faith
Councilmember Phyllis Edson
Alternate Diane Seif

Absent: 1 - Chairperson Dave Mosby

3. APPROVAL OF ACTION LETTER

- A. [2017-0906](#) Approval of the December 19, 2016 Action Letter

ACTION: A motion was made by Councilmember Edson, seconded by Councilmember Faith, that these Minutes be approved. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

4. PUBLIC COMMENTS

Mr. Dale E. Coy addressed the Public Works Committee regarding discussion of packet item number 2017-0870 Snow control information systems. He said that he believes the Snow Emergency Plan should be a City document as opposed to a Public Works document and it should be handled by a different Council Committee. He also stated that AVL (Automatic Vehicle Location system) is not just used in Public Works, it is used by other departments as well. On the topic of the public facing website, Mr. Coy pointed out that the reported cost of \$50,000 to provide interface for real-time data equals \$0.50 per Lee's Summit resident and the basic solution currently provided by the vendor for \$600 per year is less than \$.01 per Lee's Summit resident. He then provided his comments regarding staff focus during snow events. The Public Works Department's

focus is on executing the snow plan and meeting the established goals but that is not the focus of other City departments. He questioned if public communication is being accomplished through other methods because he was only able to find a notice of preparing for an upcoming event and the completion of the snow removal efforts. He didn't think that met the City's Performance Excellence goal of proactive communication. Mr. Coy said that he believes that many calls to the snow desk and comments to Councilmembers constitute public requests for a public facing website.

5. BUSINESS

- A. [BILL NO. 17-30](#) AN ORDINANCE AUTHORIZING THE EXPENDITURE OF FUNDS FOR LAND SURVEYING SERVICES IN THE AMOUNT OF \$34,000.00 FOR THE SMALL MAIN REPLACEMENT PROGRAM PURSUANT TO THE ON-CALL AGREEMENT FOR LAND SURVEYING SERVICES YEARLY CONTRACT (RENEWAL NO. 2017-302-1) BETWEEN ANDERSON SURVEY COMPANY, INC. AND THE CITY OF LEE'S SUMMIT, MISSOURI. (PWC 1/30/17)

A motion was made by Vice Chair Binney, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

- B. [BILL NO. 17-38](#) AN ORDINANCE APPROVING A QUIT CLAIM DEED AND ASSIGNMENT OF SANITARY SEWER LINE EASEMENTS, RIGHTS OF WAY AND INFRASTRUCTURE AND BILL OF SALE FOR SEWER INFRASTRUCTURE TRANSFERRING CITY-OWNED SEWER INFRASTRUCTURE LOCATED IN THE CORPORATE CITY LIMITS OF KANSAS CITY, MISSOURI TO THE CITY OF KANSAS CITY, MISSOURI IN CONNECTION WITH THE SECOND AMENDMENT TO COOPERATIVE AGREEMENT FOR RECIPROCAL SEWER SERVICE AND AUTHORIZING THE MAYOR TO EXECUTE THE SAME BY AND ON BEHALF OF THE CITY OF LEE'S SUMMIT. (PWC 1/30/17)

A motion was made by Councilmember Faith, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

- C. [BILL NO. 17-29](#) AN ORDINANCE APPROVING THE SECOND AMENDMENT TO COOPERATIVE AGREEMENT FOR RECIPROCAL SEWER SERVICE BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI AND THE CITY OF KANSAS CITY, MISSOURI FOR THE OPERATION AND MAINTENANCE OF THE BOGGS HOLLOW SEWER INTERCEPTOR AND AUTHORIZING THE MAYOR TO EXECUTE THE SAME BY AND ON BEHALF OF THE CITY OF LEE'S SUMMIT. (PWC 1/30/17)

A motion was made by Councilmember Edson, seconded by Councilmember Faith, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

Public Works Committee

Action Letter

January 30, 2017

- D. [BILL NO. 17-31](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI, AND GARVER ENGINEERS, LLC, IN AN AMOUNT NOT TO EXCEED \$120,402.00 FOR ENGINEERING SERVICES FOR THE GATEWAY DRIVE IMPROVEMENTS (RFQ NO. 2017-305A). (PWC 1/30/17)
- A motion was made by Councilmember Edson, seconded by Councilmember Faith, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).**
- E. [BILL NO. 17-32](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI, AND WALTER P. MOORE, IN AN AMOUNT NOT TO EXCEED \$150,110.00 FOR ENGINEERING SERVICES FOR THE COMMERCE DRIVE IMPROVEMENTS (RFQ NO. 2017-305B). (PWC 1/30/17)
- A motion was made by Councilmember Faith, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).**
- F. [BILL NO. 17-37](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI, AND ALLGEIER MARTIN AND ASSOCIATES, INC., IN THE AMOUNT OF \$253,290 FOR PROFESSIONAL ENGINEERING SERVICES FOR SE 5TH TERRACE ROADWAY STREAM CROSSING AND FEMA MAP REVISIONS. (RFQ. NO. 2017-305-C) (PWC 1/30/17)
- A motion was made by Councilmember Faith, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).**
- G. [BILL NO. 17-34](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF A MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION AMENDMENT TO STATE BLOCK GRANT AGREEMENT, AMENDMENT #2 BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI, AND THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION, GRANTING FEDERAL FUNDS IN THE AMOUNT OF \$47,805.00 TO ASSIST WITH DESIGN ENGINEERING TO WIDEN AND EXTEND RUNWAY 18/36 AT THE LEE'S SUMMIT MUNICIPAL AIRPORT. (PWC 1/30/17)
- A motion was made by Councilmember Edson, seconded by Councilmember Faith, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).**
- H. [BILL NO. 17-36](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF A MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION SECOND SUPPLEMENTAL AGREEMENT TO AIRPORT AID AGREEMENT BY AND BETWEEN THE CITY OF LEE'S SUMMIT, MISSOURI, AND THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION, GRANTING STATE FUNDS IN THE AMOUNT OF \$2,656.00 FOR SPONSOR'S STATE BLOCK

Public Works Committee

Action Letter

January 30, 2017

GRANT FOR PROJECT NO. 11-109A-1, TO THE SPONSOR TO ASSIST IN ENGINEERING DESIGN TO WIDEN AND EXTEND RUNWAY 18/36 AT THE LEE'S SUMMIT MUNICIPAL AIRPORT. (PWC 1/30/17)

A motion was made by Councilmember Edson, seconded by Councilmember Faith, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

- I. [BILL NO. 17-35](#) AN ORDINANCE APPROVING AWARD OF RFQ 2017-306 TO SHANER APPRAISALS, INC. DBA VALBRIDGE PROPERTY ADVISORS, KELLER, CRAIG & ASSOCIATES AND BLISS ASSOCIATES, LLC FOR ON-CALL YEARLY REAL ESTATE APPRAISAL SERVICES, AND THREE SEPARATE ONE-YEAR CONTRACTS WITH THREE POSSIBLE ONE-YEAR RENEWAL OPTIONS. (PWC 1/30/17)

A motion was made by Councilmember Faith, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

- J. [BILL NO. 17-33](#) AN ORDINANCE AUTHORIZING THE EXECUTION OF MODIFICATION NO. 1 TO INTERGOVERNMENTAL AGREEMENT FOR REIMBURSEMENT OF RELOCATION OF FIBER OPTIC CABLE BY AND BETWEEN THE CITY OF LEE'S SUMMIT AND THE REORGANIZED SCHOOL DISTRICT NO. 7 OF JACKSON COUNTY, MISSOURI. (PWC 1/30/17)

A motion was made by Councilmember Faith, seconded by Councilmember Edson, that this Ordinance be recommended for approval to the City Council. The motion carried by a unanimous 3-0 vote (Councilmember Seif, non-voting alternate).

- K. [2017-0870](#) Snow control information systems

Mr. Shawn Graff, Assistant Director of Operations, began his presentation with an overview of the AVL (Automatic Vehicle Location) system. The AVL system is used to follow up on requests for service, to dispatch the closest snow plow to aid emergency vehicles and real-time reports to verify snow plow locations at the time of reported accidents. The system was intended to be a supplement to the existing system called Snow Tracker, it was never intended to be a public facing website.

The public facing website is housed on the vendor's servers to prevent the City's internal Snow Tracker system from crashing if there is a high volume of people logging in. The current website is a basic solution offered by the vendor for \$600 a year. The cost to provide interface for real-time data was in excess of \$50,000 which was denied through a budget request.

One of the issues with the current public facing website is that it relies on the AVL equipment operating correctly. Antennas get knocked off by tree limbs, sensors on plows are sensitive to the weather conditions during snow events, and the AVL technology is 6 years old. The website also only collects data if the truck's plows are down so it doesn't report accurate

information during an ice event when salt is being put down with the plows up. The public facing website doesn't provide a higher level of service and it won't tell people when a plow will be in front of their house. It also doesn't capture work performed by contractors hired to work in the downtown area. Mr. Graff stated that he was not aware of calls to the snow desk asking to have more information added to a public facing website and that public communication is being handled through other avenues. The Public Works goal time to have all streets plowed and treated is on average 32.5 hours after the snow stops.

There are a couple of system enhancement options currently being considered, including a route optimization system that would make operations more efficient and easier for the drivers and AVL vendors that can integrate with the current CityWorks system.

Mayor Pro Tempore Binney said that instead of providing money for a website, the City Council decided to provide money for wing plows, a second salt dome and a brine making system to aid in increasing the level of service. He asked about the life span of the AVL equipment. Mr. Graff answered that a couple of modems and sensors have had to be replaced in the last 6 years but there really isn't a known life span. Ms. Dena Mezger, Director of Public Works, added that the equipment is 6 years old so there is concern there might be better technology and equipment out there. In addition, some other departments, such as police and fire, are both looking into AVL for their fleets; however, right now the Public Works fleet is the only one completely outfitted with it. There is still a lot of research to be done and there will be discussions with other departments to determine what the options and costs are for an integrated system that might work for all.

Councilmember Faith asked if the AVL service is a subscription service and how much equipment is involved with each unit. Mr. Graff answered that the AVL is like a subscription service and each unit has a modem, sensors, an antennae and a cable that goes to the spreader to determine how much salt is being put down. Councilmember Faith then asked how the information is sent to the data collection system. Mr. Graff explained that there is a cell card built into the modem that transmits the data every minute. Every 15 seconds the data is collected and put into a packet, the packet is then compressed and transmitted to the system every minute which helps to cut down on data charges. Councilmember Faith inquired if the data collected includes driver information such as the number of hours the driver has been driving. Mr. Graff responded that it transmits data on the truck not the driver, there is not a driver log in. Councilmember Faith inquired about D.O.T. regulations for drivers and how the department keeps track of that. Mr. Graff said that the public sector is somewhat exempt

from those regulations but his drivers work 12 hour shifts and are required to have at least 8 hours off before their shift begins. Councilmember Faith asked if the system ties in with the City's C.A.D. (map) system. Mr. Graff explained that with the current system, the data is not manipulated to be uploaded to the C.A.D. (G.I.S.) system.

Councilmember Seif asked the Public Works Department to look at how the interactions with the AVL equipment would work for other departments and asked that everyone communicate to make sure they are headed in the same direction. She would like to see a timeline developed for talking to vendors and bring something back to the Public Works Committee at the appropriate time in the future.

Vice Chairman Binney asked Ms. Mezger to address a public comment regarding the Public Works Master Snow Plan and how it works with the plans that other departments have to handle snow removal. Ms. Mezger answered that Public Works is the main department in charge of snow removal and part of the Master Snow Plan, or Snow Emergency Plan, is how the Public Works Department is expected to interface with the City's Emergency Operations Plan. The City's Emergency Operations Plan is applicable to any emergency and follows the federal system NIMS. The Fire Chief is the head of the Emergency Operations System. Vice Chairman Binney encouraged the new communications and marketing team to work with the people doing the work to find a better way to share the stories so that people aren't waiting for the information and then finding out after the fact.

[2017-0913](#) Stormwater Funding Options

In the interest of time, Vice Chairman Binney moved the presentation on Stormwater Funding Options, packet number 2017-0916, to the February 23, 2017 Public Works Committee agenda.

6. ROUNDTABLE

Ms. Dena Mezger, Director of Public Works, explained that the Staff Report included under roundtable on the agenda, is a tonnage report that was requested by Chairman Mosby. The tonnage report has not been provided quarterly because the City no longer operates the Landfill.

Vice Chairman Binney read aloud some of the reported tonnage figures. In December the average tonnage per day was 402. Summit Waste Systems average for their first 10 months of operations was 381. When compared to the average of the previous year of 409, Summit Waste Systems is down a little bit from when the City operated it.

Vice Chairman Binney then mentioned the change order and status report.

Public Works Committee

Action Letter

January 30, 2017

He reported that Jefferson Street is underway and is on schedule, and the northbound lane is now open. The Tudor Road bridge is at 80% completion. Ms. Mezger explained the the concrete on the bridge needs to cure, and the decision was made to not open it until after snow season so salt treatments won't deteriorate the bridge deck. Vice Chairman Binney mentioned the Robin Hills project, which is 84% complete, and there are a few other projects in the design phase.

Councilmember Faith asked Ms. Mezger for an explanation of why the pothole on Oldham Parkway, in front of Freddie's Frozen Custard, keeps coming back after multiple repairs. Ms. Mezger explained that there is water that keeps washing out the patches. MoDOT plans to keep patching it, as needed, through the winter and then they intend to tear out that stretch of road, add drains and repave it. Councilmember Faith asked if the City is monitoring the area to report to MoDOT when it needs repaired. Ms. Mezger answered that MoDOT is monitoring it but the City can certainly report it to them if it needs attention. Councilmember Faith reported that it is in need of attention now, as cars and busses are going into the suicide lane to avoid the pothole.

Councilmember Faith then asked about the on-street parking on O'Brien Street at the John Calvin homes. The issue has gone through the Public Safety Advisory Board but the lane seems to be very narrow and the parking encroaches on the stop sign and interferes with the emergency entrance to John Knox Village for ambulances. Mr. Michael Park, City Traffic Engineer, reported that many efforts to resolve the issue have been unsuccessful. An ordinance restricting parking on the street was presented to the Public Safety Advisory Board, but they were not in favor of it because they thought there is not enough parking for the John Calvin homes and they need the on-street parking. Staff is willing to present an ordinance restricting on-street parking in that area if that is a recommendation by the Public Works Committee. Councilmember Faith suggested moving the center line over and adding lines to delineate parking spaces if there is room to do it. Mr. Park answered that it would be a continued enforcement issue and it would disrupt the lane alignments through the intersection. Also, O'Brien is a preferred bike route on the bicycle transportation plan and the extra lane width is very important to them. Councilmember Faith asked Vice Chairman Binney if the topic could be added to a future Public Works Committee agenda for discussion. Vice Chairman Binney suggested sending the request to Chairman Mosby, and there was a consensus of the Committee members to do so.

February 23, 2017 at 4:30 pm is the next scheduled Public Works Committee meeting.

Public Works Committee

Action Letter

January 30, 2017

- A. [2017-0916](#) Staff Report
7. ADJOURNMENT

The January 30, 2017, Public Works Committee meeting was adjourned by Vice Chairman Binney at 6:23 p.m. at City Hall, 220 SE Green Street, City Council Chambers.

For your convenience, City Council agendas, as well as videos of City Council and Council Committee meetings, may be viewed on the City's Internet site at "www.cityofls.net".