



City of Broken Arrow

Minutes City Council

City Hall
220 S 1st Street
Broken Arrow OK
74012

Emergency Meeting

Mayor Craig Thurmond
Vice Mayor Richard Carter
Councilor Mike Lester
Councilor Johnnie Parks
Councilor Scott Eudey

Tuesday, March 22, 2016

Time 5:00 p.m.

Council Chambers

1. Call to Order

Mayor Craig Thurmond called the meeting to order at approximately 5:00 p.m.

2. Roll Call

Present: 4 - Scott Eudey, Johnnie Parks, Richard Carter, Craig Thurmond
Absent: 1 - Mike Lester

3. General Council Business

A.

Consideration, discussion and possible approval of Resolution No. 918, a Resolution of the Broken Arrow City Council declaring an emergency as a result of a sanitary sewer trunk line break resulting in bypass flows draining into the Broken Arrow Creek at the corner of New Orleans (101st Street) and County Line Road (193rd East Avenue), activation of the City's emergency operation protocols, including waiving state and local provisions pertaining to competitive bidding as allowed by law, authorizing an informal bidding process, authorizing the city manager to execute emergency contracts as necessary for repairs and any subsequent critical events, providing for the termination and extension of the provisions of this Resolution, waiving and directing the City Manager to carry out all applicable provisions

City Manager Michael Spurgeon informed the Council that the Oklahoma Department of Environmental Quality (ODEQ) had been notified, as required. Based on the severity of the situation, they felt it necessary to declare an emergency, in accordance with the Resolution before the Council. Upon the Council's approval, a contractor would be brought in to help complete the repairs.

Ken Schwab, Assistant City Manager of Operations, reported that the trunk sewer at the location was a 36-inch diameter concrete pipe. Staff was notified on the morning of the previous day that residents had observed some overflows of the bar ditch that were flowing into Broken Arrow Creek, around the Camp Robson Boy Scout Camp. Staff immediately went to the scene and determined that there was, in fact, overflow, and they set about locating the blockage and finding the cause. They discovered that a portion of pipe had collapsed under 101st Street. There were no visible signs on the street or pavement, but it was a segment of pipe underneath the 2 manholes, about 80 feet apart, on either side of the street, that had collapsed.

Mr. Schwab gave a PowerPoint presentation to illustrate the scene and stopgap measures that had been taken. Ten-inch and six-inch pumps were in place in the area of Arnolds Country Store, to keep up with any overflowing, although the possibility of precipitation in the coming Tuesday was cause for concern. Mr. Schwab showed slides of seeping around a manhole and overflow near the Boy Scout Camp, where it was flowing out into the street and into the Creek. Finally, after several hours of searching, they uncovered a manhole on the south side, virtually right in the curb line, that had been covered up when the street was widened. He pointed to a photo showing the sink hole that they had discovered the day before.

Mr. Schwab stated that road was closed for public safety. They got in touch with one of the best contractors in utility services, McGuire Brothers Construction, Inc., and had negotiated a price. The company could mobilize immediately. Mr. Schwab showed a photo of a manhole in close proximity to a signal pole, which posed a concern as well. A photo of the bypass pumping was shown, with the final photos underscoring the severity of the situation. In talking with McGuire Brothers, it was decided that the City would supply the pumping, so that they could bypass pump with one pipe they owned

and one they had rented. They would be sure to keep the pumps fueled until the time of closure. Once the Streets and Storm water crew did the demolition and put a new pipe in place, they would proceed with repairing the curb and surrounding area. They had already ordered the pipe through their account: a 48-inch diameter, fiberglass reinforced pipe, on its way from Houston. They contacted the property owner of Arnolds Country Store and received an email message back that the City could utilize the property for storage, loading, and so on, while the project was going on.

Originally, as mentioned, there were 2 manholes, 80 feet apart and 20 feet deep. Large-diameter manholes for 48-inch, 36-inch, and 33-inch pipes were needed, for a total of 6 manholes (8-foot size), not to be found on a shelf. They considered a cast-in-place concrete manhole with epoxy. McGuire Brothers quoted a price of just under \$150,000 to do all the work. When asked if they could do the pre-cast and have it there by Wednesday or later that week, McGuire Brothers said yes. Mr. Schwab told the Council that that should drop the price closer to \$120,000.

Mr. Schwab said that they wished to have the job done by the end of the next week, though the possibility of rain could be a factor. He anticipated that the project would carry over into the following week. McGuire Brothers committed itself to working long hours to resolve the problem as quickly as possible.

Concluding his report and presentation, Mr. Schwab asked if there were any questions. Councilman Eudey asked if some of the road would have to be removed, reconstructed and repaved. Mr. Schwab answered yes, City crews would repave and make use of trench boxes to minimize how much would have to be opened up. They would still have to take out pavement, dig down 20 feet, put the pipe in place and ensure that the material underneath the roadway was compacted and met specific criteria, before blocking it in pavement. Mr. Schwab confirmed to Councilman Eudey that the road would be closed for about a week to ten days and that they had been able to stem the flow of sewage so far, under dry weather conditions. Councilman Parks asked if it were correct that there wasn't any bypass running out at present. Mr. Schwab answered that during peak times of water usage there had been. However, once the peak hours passed, it stopped. Councilman Parks asked if both manholes would be replaced. Mr. Schwab replied that he thought it best to replace both manholes because it was where they had been venting a lot of gas and the concrete had been heating up. Mr. Schwab stated that he expected some of the pipe was deteriorated further downstream also, so the crews would be checking a bit further downstream, going from manhole to manhole. Councilman Eudey asked for confirmation that the anticipated cost for repairs was \$120,000. Mr. Schwab said that was correct, adding that the pipe itself cost an additional \$18,000.

Mayor Thurmond said that, as he understood, they were looking at redesigning the system, eventually replacing the old pipes and going with larger size pipes with more capacity in the future. Mr. Schwab replied yes, they had a contract in place to present to the Council for redesign of basically the entire system line, from the front of the plant to about a mile or so north. Councilman Eudey asked if the project would have to be redone at a later time. Answering that it was a good question, Mr. Schwab said no. He did not want to take it to Consulting Services Inc. (CSI) yet. However, they went ahead and sized it up, knowing that construction would take a year to two.

MOTION: A motion was made by Johnnie Parks, seconded by Richard Carter.

Move to approve Resolution No. 918 and authorize its execution

The motion carried by the following vote:

Aye: 4 -

Scott Eudey, Johnnie Parks, Richard Carter, Craig Thurmond

4. Adjournment

The meeting adjourned at approximately 5:12 p.m.

MOTION: A motion was made by Scott Eudey, seconded by Johnnie Parks.

Move to adjourn

The motion carried by the following vote:

Aye: 4 -

Scott Eudey, Johnnie Parks, Richard Carter, Craig Thurmond

Attest:

Mayor

City Clerk