

City of West Lafayette, Indiana  
Board of Public Works and Safety  
MINUTES

June 1, 2009  
8:30 a.m.

City Hall Lower Level Conference Room

Members present were Sana G. Booker and Mayor John R. Dennis, who presided. Member Bradley W. Marley was absent.

1. APPROVAL OF MINUTES

A. May 26, Meeting

Ms. Booker moved to accept the minutes of the May 26, 2009, Board of Works meeting. Mayor Dennis seconded the motion. The motion was adopted.

2. NEW BUSINESS

a. Contract: Indiana Datapipe, LLC - Conduit Use Agreement - Development

Director of Development Poole requested approval for the conduit use agreement between Indiana Datapipe, LLC and the City. In exchange for using conduit that the City owns, Indiana Datapipe, LLC is providing fiber optic connection to both Morton Center and Fire Station No. 1.

Mr. Steve Belter from Indiana Datapipe, LLC was present, to answer any questions.

City Attorney Burns stated that he had reviewed the contract, and it looks fine.

Mayor Dennis asked for confirmation that both locations are already connected. Mr. Belter said that the connections are being used.

Ms. Booker moved that the contract be approved. Mayor Dennis seconded the motion. The motion was adopted.

b. Declaration of Emergency for Repair of Cherry Lane Sewer – WWTU

Wastewater Utility Director Henderson reported that there was a collapse of the sewer along Cherry Lane. The line was repaired by Atlas Excavating. In this case, there was backup into residences, and traffic was slowed as work repairs were underway. In response to that sewer collapse, after it was repaired, Street Commissioner Downey had the camera crew drop the sewer camera into the Cherry Lane sewer and video record it. There is significant erosion, as shown in the photos from that video, which Mr. Henderson showed to the Board. He requested Board of Works to declare this an emergency, so that the sewer can be stabilized and relined quickly. The work will provide continued service for many years. Mr. Henderson stated that they have also televised the sewer down into Northwestern Avenue, and there are signs of hydrogen sulfite damage part of the way down Northwestern. Fortunately, the damage is not all the way down Northwestern, so it would only be partially lined.

City Attorney Burns asked if the size of the Cherry Lane sewer pipe is 24 inches. Street Commissioner Downey answered that it is 24-inches and will carry approximately 400,000 gallons a day. City Attorney Burns questioned how full the sewer is. Mr. Downey replied that it is at least three-quarters full.

Street Commissioner Downey reported that, to date, the break has cost \$43,017.22 to Atlas Excavating. The preliminary estimate from Milestone Contractors to do the patch on Cherry Lane is \$6,900.00. The Street Department has spent about \$3,000.00 in overtime, and about \$6,000.00 in material and equipment usage. The estimate to line Cherry Lane from the break, down Northwestern Avenue to Meridian Street: \$8,000.00 for traffic control; \$3,000.00 each for possible repairs on the 13 manholes; 475 feet of 8-inch pipe from Edgemont to the break is \$26.00 per foot; \$95.00 per foot for the 24-inch pipe, which runs from the break to Cherry Lane and about 300 feet south on Northwestern; and 1,650 feet of 36-inch pipe from the 24-inch pipe to Meridian on the east side of Northwestern Avenue. The preliminary estimate is \$432,975.00 to slipline the sewer. The prices that Lafayette paid for the emergency repairs on the Creasy Lane sewer line are comparable to these.

Mayor Dennis requested information on what is entailed in sliplining. Mr. Downey said it is similar to using a fiberglass balloon, flushing hot water through the liner and sealing the existing pipe. This procedure has been used successfully on the State Street sewer and in Happy Hollow Park.

Mayor Dennis asked what would happen if we chose not to do the sliplining. Mr. Downey said that the sewer pipe would have to be replaced entirely at some point.

Ms. Booker asked what the life of a sliplined sewer is. Mr. Downey responded that it is guaranteed for 10 years, but that at least 50 years would be normal.

Ms. Booker asked if the collapse of the sewer was due to normal wear and tear, specifically what caused the failure. Wastewater Utility Director Henderson answered that this type of corrosion to the concrete pipes is from hydrogen sulfite, which is evolved from septic wastewater moving through the pipe. In that moist environment, it is corrosive to the concrete pipe throughout the length of the pipe.

City Attorney Burns asked what the age of the sewer is. Mr. Downey answered that it was put in during the 1950s. Mr. Burns asked if this is a long time under these conditions. City Engineer Buck said concrete under normal flow conditions should last about 100 years, but with the hydrogen sulfite, the lifetime is reduced considerably.

Clerk-Treasurer Rhodes commented there was a large expansion of the City in the mid-1960s, so the time may be coming when these sewer pipes are vulnerable. City Engineer Buck agreed, in the environment when the conditions are similar to the Cherry Lane collapse. Mr. Henderson added that, throughout the country, there is a lot of old pipe in use, and some of it will be in the right conditions to fail sooner. It is a widespread problem. Mayor Dennis said that is why the City has the maintenance program, with regular video views of the pipe. Mr. Downey said that, in the 1950s, the Cherry Lane sewer only carried Northwestern Heights and half of Hills and Dales. Since then, Green Meadows and Blackbird lift stations have been added, so there is a lot more being pumped into that sewer. With Northwestern Heights and Ravinia today, there is probably a flow of 10,000 to 12,000 gallons per day. With the two lift stations, the volume would be over 400,000 gallons per day.

Ms. Booker moved that the declaration of emergency for the Cherry Lane sewer be approved. Mayor Dennis seconded the motion.

Wastewater Utility Director Henderson explained that the Utility has sufficient funds on hand to make the repairs, but there will be a review of the capital plan to determine if any changes are needed. He will discuss the matter with Jim Treat of O.W. Krohn & Associates, the Wastewater Utility's financial consultant.

The motion was adopted.

c. Contract: M.D. Wessler & Associates - Professional Services - Spill Prevention Control and Countermeasures Planning Project - Street and Sanitation

Street Commissioner Downey stated that, to meet IDEM requirements and our Clean Water Act, since we carry a great deal of used motor oil and calcium chlorite, which is used in winter ice control, in addition to 2,000 of gas and 2,000 of diesel fuel on the Street and Sanitation Department site, the City must have a prevention plan, in the event that there is a spill. M.D. Wessler & Associates will prepare the documentation for a not-to-exceed amount of \$9,000, which also includes any City-owned facility in West Lafayette. The Fire Departments each have 500 gallons of diesel fuel, and the Parks Department and Wastewater also have oil products on site. Wessler & Associates will evaluate all the sites, to determine if plans are needed.

Ms. Booker moved that the contract with M.D. Wessler & Associates be approved. Mayor Dennis seconded the motion.

Police Chief Dombkowski asked if the Police Building generator is included in the plan. Mr. Downey replied that it is included, as is the one at Wastewater. The Fire Department generators and those at the lift stations use natural gas and do not need to be included.

Ms. Booker asked if Mr. Downey currently has a plan in place, that he just needs something in writing. Mr. Downey responded that he has a check system, and has concrete pans under all the tanks, to catch the spills. If a spill would happen at the Street Department site, it would go out the main gate. They have sand in bags ready to stop that.

Mr. Downey reported that City Attorney Burns has reviewed the contract. Mr. Burns added that the company made the changes requested.

The motion was adopted.

d. Agreement: William Sanders Range Membership Payment

Police Chief Dombkowski requested Board approval for the City's annual \$2,000.00 membership for the police firing range, where West Lafayette, Lafayette, Purdue, Tippecanoe County, and Indiana State Police officers practice marksmanship. This is an annual expense.

Ms. Booker moved that the membership payment be approved. Mayor Dennis seconded the motion. The motion was adopted.

e. Claims

i. AP Docket	\$ 37,872.94
ii. AP Docket	407.00
iii. AP Docket	472,896.64
iv. PR Docket	109,250.86

Ms. Booker moved that the claims be approved. Mayor Dennis seconded the motion.

► Ms. Booker asked about the New Pig Corporation payment [\$669.80] for Wastewater. Wastewater Utility Director Henderson answered that the company provides oil absorbent mats, used when performing maintenance on equipment at Wastewater, and spill containment pallets, which are used as absorbent coasters for putting drums of oil or other liquids on.

The motion was adopted.

f. Informational Items

i. Engineering Projects Payments Listing

There were no questions or comments on this item.

g. Other Items

i. Street Commissioner Downey stated that his department is busy painting curbs and lines on streets.

ii. City Engineer Buck mentioned that the curb line on the east side of Salisbury Street is complete, most of the driveways have been installed, and next will be the sidewalks along the east side of Salisbury.

iii. Wastewater Utility Director Henderson reported that the microturbines were started last week, and everything checked out well. They are testing this week. The grease receiving station should be accepting product in the next couple of months. Mayor Dennis noted that SIA has expressed interest in discussing their possible use of the facility for its food waste. Mr. Henderson answered that he is planning to meet with them to talk about a plan to do this.

iv. Police Chief Dombkowski said that his department is continuing to provide traffic control for the Farmers Market. The Chief and Captain Leroux will attend the Big Ten Cities Conference in Bloomington to represent the Mayor today.

v. Parks Superintendent Payne reminded those present that, as we are discussing 50-year-old pipes, the Parks Department has an 80-year-old community center and a 45-year-old pool.

3. ADJOURNMENT

There being no further business to come before the Board, Ms. Booker moved that the meeting be adjourned, and Mayor Dennis adjourned the meeting.