



**AGENDA
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
DECEMBER 5, 2017
6:00 PM**

- I. Call to Order**
 - 1. Roll Call**
- II. Approval of Minutes**
 - 1. Public Works Committee - Regular Meeting - Oct 3, 2017 6:00 PM**
- III. Agenda Items**
 - 1. Request to establish traffic pavement marking lines on Jefferson Parkway**
 - 2. Change to Sewer Rates 700.480 B.2.b**
- IV. Stormwater Issues**
- V. Public Works Project Updates**
- VI. Airport Reports**
 - 1. Lawrence Smith Memorial Airport Report**
- VII. General Discussion**
- VIII. Adjourn**

Posted on City Hall Bulletin Board this 1st day of December, 2017

Randall K. Jones, City Clerk

The Board of Aldermen meeting is an open meeting but is not a meeting of the public. There is a place on the agenda for comments of citizens under PUBLIC PARTICIPATION. Our rule is that comments by any individual or group shall not exceed (4) minutes. The Board of Aldermen request that concerns be initially addressed at the appropriate action level before coming to the Board of Alderman



**MINUTES
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
OCTOBER 3, 2017
6:00 PM**

I. Call to Order

The meeting was called to order at 6:00 PM by Chair Brian Hasek

Attendee Name	Organization	Title	Status	Arrived
David Dickerson	Harrisonville	Member	Present	
Matt Turner	Harrisonville	Member	Present	
Brian Hasek	Harrisonville	Chair	Present	
Clint Long	Harrisonville	Member	Absent	
Brad Bockelman	Harrisonville	Member	Absent	

Also present were Lynda Thacker; Dennis Minich; Happy Welch, City Administrator; Eric Patterson, Director of Public Works; Rodney Jacobs, Street Superintendent; James Green, Lawrence Smith Memorial Airport Manager; Ted Martin, City Engineer; April Clark, Administrative Assistant for Public Works

II. Approval of Minutes

1. Public Works Committee - Regular Meeting - Aug 1, 2017 6:00 PM

With no additions or corrections, the August 1, 2017, minutes were approved as written.

RESULT:	ACCEPTED [UNANIMOUS]
MOVER:	Matt Turner, Member
SECONDER:	David Dickerson, Member
AYES:	David Dickerson, Matt Turner, Brian Hasek
ABSENT:	Clint Long, Brad Bockelman

III. Agenda Items

1. Adopt-A-Street Program Policy

Street Superintendent, Rodney Jacobs, presented a draft of the Adopt-A-Street Program Policy. He explained that Jill Keifer wasn't able to attend the meeting, but he had worked with her on the draft policy, and that they had looked at some options for the size, shape, and color of the signs. Mr. Jacobs said there were many regulations as far as what those options could be. The City would purchase the signs and choose the streets. The consensus regarding color for the signs was that blue and white are good choices.

Alderman David Dickerson made a motion to move the Adopt-A-Street Program Policy to the Board of Aldermen. Alderman Matt Turner seconded. The motion passed unanimously.

RESULT:	RECOMMENDED FOR BOARD APPROVAL [UNANIMOUS]
MOVER:	David Dickerson, Member
SECONDER:	Matt Turner, Member
AYES:	David Dickerson, Matt Turner, Brian Hasek
ABSENT:	Clint Long, Brad Bockelman

2. South & Commercial Intersection

Lynda Thacker, was present to discuss an accident, in which she was a victim, that occurred at the intersection of South Street and Commercial Street. She said she has been in a lot of pain and has missed family events. She provided copies of a petition that people have signed requesting a stop light at the intersection. She also provided pictures of the lot at the SE corner of South Street and Commercial Street (Harrisonville Auto Lube), and pointed out areas where the cars could be moved so they are out of the line of sight at the corner. She went inside the building to talk with the owner about the placement of the vehicles. She said a police officer had referred her to this committee to request a stop light. She was also told by Lt. Mark Terman that there was a possibility of placing a round-about at that location. She said she had talked with Lt. Terman about having three lanes coming from the Christian School side, one to turn right, one to go straight, and one to turn left. She understood that he was going to implement that right away. She asked the Committee if the property owner with the vehicles in the line of sight could be asked to park the vehicles in a way that they don't protrude into the line of sight so drivers can see around them to South Commercial Street.

There was discussion regarding the requirements that warrant a stop light. Director Patterson said that he will go through the traffic study and see what it shows. Staff will contact the property owner to see if they would be willing to move the few vehicles back 1'-2' to help with the line of sight.

Mayor Hasek said if the property owner is willing to put up bumpers to keep the vehicles back, then the City should provide them. Director Patterson said he would check with the City Attorney, but it should be something the City could and should provide. City Engineer, Ted Martin, said the Right-of-Way through there varies greatly, from approximately 50' - 90'. Staff will check into the right-of-way width along that part of the street.

RESULT:	TABLED [UNANIMOUS]
AYES:	David Dickerson, Matt Turner, Brian Hasek
ABSENT:	Clint Long, Brad Bockelman

IV. Stormwater Issues

There was concern regarding the creek/ditch in front of Harrisonville Town Center. Alderman Dickerson said the developer now owns the creek area in front of that property. Sutherland's, Comfort Inn, and Russell Stover's are all located in that development. The Christie Group is responsible for maintaining the creek area.

Minutes Acceptance: Minutes of Oct 3, 2017 6:00 PM (Approval of Minutes)

V. Public Works Project Updates

Director Patterson provided copies of the updates. The Water Treatment Plant construction is progressing, and a change order is expected soon. We are still waiting for Mr. Linder to sign the easement for the I-49 waterline crossing. The Beckerdite Waterline bid will go out this Fall. Mayor Hasek asked about the sanitary sewer concerns in the Walker area. Director Patterson stated that it is being worked on. The survey and video have been completed for the Chateau stormwater project. The 2017 Sidewalk/Curb program is out to bid. There is a pre-construction meeting set for 10/12/17 on the Jefferson Parkway sidewalk project. The change for single phase commercial electric customers has been delayed until a rate study is completed. Director Patterson briefly explained the previous rate study and said the new study should help. The study wasn't budgeted, so he and City Administrator Welch are discussing the options.

VI. Airport Reports

1. Airport Report

James Green, Airport Manager, was present to explain the report. He said the VHF transmitter has had some problems, but MODOT has repaired it.

Mr. Green said a deer strike was reported on September 11 by an aircraft that was airborne. The main landing gear was damaged when the aircraft struck a deer. There is a wildlife fence around the perimeter of the runways, but the deer population has become a problem.

RESULT:	DISCUSSION
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VII. General Discussion

Mayor Hasek said he received an email from the Norman's, who live at the end of Patton Street. There was a water break at that location a few months ago. The Norman's reported that Mr. Smith had gotten his tractor stuck at the end of the street in the grassy area. Director Patterson said that wasn't what brought the water department there, but he will check with Robert Edwards about how we were alerted. He understood that there was water bubbling up out of the ground. The City has contracted with Phil Young to repair the areas where the water department dug up and repaired the break.

VIII. Adjourn

Alderman Dickerson made a motion to adjourn and Alderman Turner seconded. The motion carried and the meeting was adjourned at 7:25 PM.

 Brian Hasek, Mayor & Ex-Officio
 Chairman of the Board of Aldermen

ATTEST:

Randall K. Jones, City Clerk

Minutes Acceptance: Minutes of Oct 3, 2017 6:00 PM (Approval of Minutes)

M E M O R A N D U M

TO: Mayor and Public Works Committee
FROM: Rodney Jacobs, Superintendent of Streets
DATE: November 27, 2017
SUBJECT: Request to establish traffic pavement marking lines on Jefferson Parkway

Type of Item: *Discussion*

Issue:

Discussion of request to establish traffic pavement marking line on Jefferson Parkway consisting of edge markings and a skip dash center line from Locust Street to Waters Road.

Summary Recommendation:

Staff recommends not painting traffic striping on Jefferson Parkway. The roadway's chip seal construction requires frequent surface maintenance and development in the area may require the establishment of street lighting which will ease the low light level on the north section of Jefferson Parkway.

Background:

Alderman Turner reported to the Street Superintendent a request from a resident to establish a painted intermitted center strip and edge marking on Jefferson Parkway for better lane determination in the darkness.

The portion of Jefferson Parkway inside the boundaries of Harrisonville city limits is one mile in length, has open ditches, constructed of chip seal, and has street lights from Locust Street to the Water Plant. Street lights have been installed on Waters Road at the request of residents. The heavy trucking loads on Waters Road and Jefferson Parkway require a leveling course and resealing every few years, however; the roadway is sound. Sidewalks are being installed, allowing a continuous pathway from Locust Street to Timber Drive. The roadway currently serves as a thoroughfare to Missouri 291 while accessing the Ballfield Complex, Missouri National Guard, Community Center, and senior citizens housing.

Any traffic control painting should follow the Manual on Uniform Traffic Control Devices, which dictates design and maintenance.

Options:

1. Hire a painting contractor to paint Jefferson Parkway. Cost \$5,800 includes mobilization fee of \$2,100
2. Hire a painting firm to perform the work when other painting is performed as to lessen the cost of mobilization.
3. City Staff to paint the roadway. \$1,692 in paint supplies/labor

Recommendation:

Staff recommends to not paint traffic lines on Jefferson Parkway at this time. Due to the fiscal needs required for the upkeep of roadway striping on a chip sealed road with the truck volume Jefferson Parkway receives. Staff's recommendation comes with consideration of future development in the area that will create a need for street lighting improving low light conditions.

Section 700.480 **Sewer Service Rates.**

[CC 1977 §35-62; Ord. No. 2692 §1, 1-15-2001; Ord. No. 2855 §2, 11-17-2003; Ord. No. 2885 §2, 12-06-2004; Ord. No. 2944 §2, 11-21-2005; Ord. No. 2977 §3, 11-20-2006; Ord. No. 3015 §3, 11-19-2007; Ord. No. 3063 §3, 11-17-2008; Ord. No. 3155 §3, 11-1-2010]

A.

Generally. There is hereby levied on each sewage system user having any sewer connection with the sewage system of the City or otherwise discharging sewage, industrial waste or other liquids, either directly or indirectly into the City's sewage system, a sewage service charge. Subject to the exceptions provided in this Chapter, such charge shall be based upon the quantity of water used in or on the premises as the same is measured by a water or sewage meter or meters approved by the City. Additional charges for extra strength sewage, toxic pollutants and wastewater monitoring will be levied where applicable.

B.

Basic Sewage Service Charge. Each user of the sewage system of the City shall pay for the use of such system based on the following schedule of rates:

[Ord. No. 3249 §2, 9-23-2013; Ord. No. 3293 §2, 12-1-2014^m]

1.

Commercial.

a.

Ten dollars and forty-five cents (\$10.45) for the first one thousand (1,000) gallons.

b.

For all in excess of one thousand (1,000) gallons, sixty-eight and zero-tenths cents (\$0.680) per one hundred (100) gallons.

2.

Residential.

a.

Ten dollars and forty-five cents (\$10.45) for the first one thousand (1,000) gallons.

b.

The minimum monthly usage shall be one thousand (1,000) gallons. For all in excess of one thousand (1,000) gallons, sixty-eight and zero-tenths cents (\$0.680) per one hundred (100) gallons.

~~Quantity charges for residential users shall be calculated each March 31 based on winter period average water usage defined as the average monthly usage for at least two (2) consecutive months based on meter readings in March and/or the immediate preceding months of October, November, December, January and February. The minimum monthly usage shall be one thousand (1,000) gallons. When a residential user does not have a history of water usage for the immediate preceding January, February and March or when a resident is not properly metered, the quantity charge shall be based on one hundred percent (100%) of the monthly metered water used, not to exceed the average winter period water usage for the residential class.~~ Charges for all commercial and industrial users shall be based on one hundred percent (100%) of the monthly metered water used except as otherwise provided in Section 700.490.

c.

Extra strength charge. Wastewater discharged to the sewage system from commercial or industrial users shall be subject to an extra strength charge when the:

(1)

BOD concentration exceeds three hundred (300) milligrams per liter (mg/l) by analysis; or

(2)

COD concentration exceeds six hundred (600) milligrams per liter (mg/l) by analysis or suspended solids concentration exceeds three hundred (300) milligrams per liter (mg/l) by weight or fats, oil and grease concentration exceeds one hundred (100) mg/l by weight. All analysis shall be performed on composite samples collected at no less than hourly intervals

over a twenty-four (24) hour period. Extra strength charges shall be calculated based on one hundred percent (100%) of metered water use, except as otherwise provided in Section **700.490**, in accordance with the following formula:

$$S = V_s \times 0.000834 \times (\$0.27 (\text{BOD}-300) + \$0.14 (\text{SS}-300) + \$0.14 (\text{G}-100))$$

Where:

S = Surcharge in dollars monthly.

V_s = Sewage volume in one hundred (100) gallons.

Eight hundred thirty-four one-millionths (0.000834) = Conversion factor for one hu

Twenty-eight cents (\$0.28) = Unit charge for BOD in dollars per pound, of which eig charge position and ten cents (\$0.10) represents capital charges.

BOD = BOD strength in mg/l by analysis.

Three hundred (300) = Allowed BOD strengths in mg/l by analysis.

Six hundred (600) = Allowed COD strengths in mg/l by analysis.

Fourteen cents (\$0.14) = Unit charge for suspended solids in dollars per pound, of the user charge portion and three cents (\$0.03) represents capital charges.

SS = Suspended solids strength in mg/l by weight.

G = Fats, oil and grease strength in mg/l by weight.

One hundred (100) = Allowed fats, oil and grease strength in mg/l by weight.

Fourteen cents (\$0.14) = Unit charge for fats, oil and grease in dollars per pound.

[1]

Editor's Note: This ordinance provided that it shall become effective for all billings due on or after January 1, 2015.

Section 700.490 **Determination of Amount of Use.**

[CC 1977 §35-63; Ord. No. 2692 §1, 1-15-2001]

A.

The amount of sewage discharged to the sewage system of the City shall be determined by the quantity of water metered to the user. The City shall have and retain the right to choose the use of either or both the BOD analysis and/or the COD analysis in the determination to allow or not allow partial or total use of the sewage works or any portion of the sewage works to any user. In the case of a single user whose water usage is measured by several meters, the total water usage for all the meters shall be the basis on which sewer service charges are computed and not on the basis of each

separate meter reading. Each person, firm, corporation, association, institution or establishment from whose property or premises sewage in any quantity is discharged into the sewage system of the City, but whose water usage is not metered, is hereby required to meter, at its source, at their own expense, the quantity of water used, with an appropriate meter to be approved by the City, and to pay a monthly sewer service charge based upon the amount of water thus metered to be computed in like manner as provided in Section **700.480**.

B.

If a commercial or industrial user desires to establish eligibility for a sewage service volume base of less than one hundred percent (100%) of monthly water usage, he/she may at his/her sole expense:

1.

Install a sewage meter acceptable to the City to measure the volume of liquid actually discharged into the sewage system from his/her premises. Such meter shall be maintained and calibrated by the user and the readings from the meter shall be taken at least once monthly and shall be provided to the City on a monthly basis. In the event a sewage meter is installed, the rate schedule as set forth in Section **700.480** shall be applied to:

a.

The volume of sewage entering the sewage system as measured by the meter, or

b.

A calculated volume based on the percentage of metered water usage discharged to the sewage system as determined by the historical comparison of water usage and metered sewage.

2.

In lieu of a sewage meter the user may install auxiliary water meter(s) to measure that portion of water used which is diverted from entering the sewage system. In the event an auxiliary water meter is installed the volume of water metered by such meter(s) shall be deducted from the total volume of water usage before the sewage service charge schedule is applied.

C.

After the end of one (1) year after adoption of this Article (December 15, 1986), no refunds, allowances or reductions from the one hundred percent (100%) water use base will be granted commercial or industrial users for any time period prior to approval of a sewage metering or diverted water metering system.

Section 700.500 **Determination of Extra Strength.**

[CC 1977 §35-64; Ord. No. 2692 §1, 1-15-2001]

A.

The City will perform analysis at intervals no greater than twelve (12) months to determine the strength of sewage discharged by commercial and industrial users who discharge an annual average volume of twenty-five thousand (25,000) gallons or more of sewage per day and whose wastes are subject to extra strength charges. Industrial and commercial users who discharge an average of less than twenty-five thousand (25,000) gallons per day and whose wastes are subject to extra strength charges shall have their wastes analyzed as often as deemed necessary by the City to obtain representative samples.

B.

If any industrial or commercial user chooses not to accept the analytical determination made by the City, they may at their sole expense employ an independent laboratory, acceptable to the City, to conduct sampling and analysis of their wastewater. The time period and location for the collection of the samples shall be designated by the City. The City and the independent laboratory shall both preside over the collection of the samples and shall equally divide the final composite so that duplicate analysis may be made.

C.

If results of the analysis of the sewage sample made by both the City and the independent laboratory are not comparable, the City may appoint a second (2nd) independent laboratory to analyze the sewage. The sampling procedures used will be the same as those outlined above. The results of these analyses, together with the previous results, shall be used to determine the actual extra strength charges. The fee for the second (2nd) independent laboratory analysis shall be shared equally between the City and the user.

D.

If any industrial or commercial user improves the quality of their discharged sewage, the City will re-evaluate the strength of the sewage if requested to do so by the user. The user will pay an additional monitoring charge for the necessary sampling and analysis.

Section 700.510 **Review of User Charge Rate Structure.**

[CC 1977 §35-65; Ord. No. 2778 §1(35-65), 8-19-2002]

A.

The user charge rate schedule shall be reviewed and adjusted if necessary, at least annually to:

1. Maintain the proportional distribution of operation, maintenance and replacement costs among user classes.
2. Provide adequate revenues to cover operation, maintenance and replacement and capital costs.
3. Provide for the establishment and maintenance of a sewer repair and replacement account and such annual deposits as may be necessary to maintain a positive net fund balance in such account for the life of any SRF loan.
4. Said annual deposit shall be set in the amount of sixty-six thousand one hundred thirty-five dollars (\$66,135.00).

Section 700.520 **Notification.**

[CC 1977 §35-66; Ord. No. 2692 §1, 1-15-2001]

A.

All users of the sewage system shall be notified at least annually as to:

1. The rate schedule in effect.
- 2.

That part of total charges attributable to user charges for sewage treatment service.

LAWRENCE SMITH MEMORIAL AIRPORT REPORT

For the month of November 2017

Hangar and Tie Down Space:

- All hangars are full, 16 people on the waiting list
- 5 Outside tie down spots available

Fuel:

- Potential jet fuel sales – approx. 250 gallons
- 100LL – our current price is \$4.10 per gallon
- Fuel prices in our service area:

Lee’s Summit	\$3.98 per gal.
Butler	\$4.25 per gal.
Gardner	\$4.15 per gal.
Warrensburg	\$4.19 per gal.
Miami County	\$4.26 per gal.

AVGAS Sales: (November 1st through November 29th)

- Price \$4.10 per gallon
- Gallons Sold 470.58 gallons
- Revenue \$1,929.38
- Profit \$208.68

Wildlife Fence:

Due to the cost of the two projects we currently have in MODot’s 5 year CIP (South Hangar Taxi Lane Rehabilitation & Runway Replacement) there is not enough entitlement funds to complete a wildlife fence at this time. Even though the fence is very much needed its priority, according to the FAA, is less than maintaining the taxiway and the runway system. In the future as we address more of our pavement issues this may change but in the meantime, we will be seeking alternate funding from the state or any other viable source.