

Council Chamber, Ann Arbor, Mich.,
April 19, 1915. Regular session.

Meeting called to order by the president. Present: Ald. Heusel, Fiegel, Hanselmann, A. Lutz, Koernke, Heck, Markey, Sherk, Manwaring, Freeman, G. Lutz, Sink, Pres. Wurster, 13. Absent: Ald. Flynn, McGregor, 2. Minutes of previous meeting approved.

President Wurster announced the standing committees, as follows:

Finance—Ald. Geo. Lutz, Fiegel, Flynn.

Ordinance—Ald. Sink, A. Lutz, Manwaring.

Sewer—Ald. Sherk, Heusel, Hanselmann, Koernke, Flynn, Freeman, Geo. Lutz.

Streets—Ald. Fiegel, A. Lutz, Heck, Markey, Manwaring, McGregor, Sink.

Sidewalk—Ald. Koernke, Heusel, Hanselmann, Markey, Sherk, Freeman, Sink.

Railway—Ald. Manwaring, Flynn, Freeman.

Fire Dept.—Ald. Flynn, A. Lutz, Heck.

Water—Ald. Hanselmann, Manwaring, Geo. Lutz.

Police—Ald. A. Lutz, Koernke, Markey.

Lighting—Ald. McGregor, Fiegel, Geo. Lutz.

License—Ald. Heusel, Sherk, McGregor.

Bonds—Ald. Markey, Heck, Sink.

Park and Sanitary—Ald. Heck, Hanselmann, McGregor.

Poor and Cemetery—Ald. Freeman, Heusel, Sherk.

Special Charter Committee—Ald. Geo. Lutz, Fiegel, A. Lutz, Koernke, Manwaring.

Communications.

From Nettie E. Lewis, requesting that storm sewer on McKinley st. be finished and water furnished on said street, received and referred to Sewer and Water committees.

From J. H. Eno, asking that city reimburse him for loss of chickens, supposed to have been killed by dog, received, and ordered on file on motion of Ald. G. Lutz, and unanimous vote of those present, 13.

From Wm. R. Wright, calling attention to gutter at the southwest corner of Washington and Fourteenth sts., received and referred to Street committee.

Enter Ald. McGregor and Flynn.

From U. of M. Athletic Association, endorsing petition to open Edwin st. where it crosses Ann Arbor Railroad tracks, received and re-

ferred to Street committee.

From C. E. Godfrey, calling attention to the ordinance relative to drays and draymen, received and referred to Ordinance committee.

From Park Board.

Ann Arbor, Mich., April 16, 1915.

To the Members of the Park Board: Gentlemen—I herewith present quit claim deeds from George P. Burns to the city of Ann Arbor, to the use of the Park Board of land purchased by him for the Eastern Michigan Edison company, in which the flowage rights have been granted to the Eastern Michigan company by Mr. Burns.

Mr. Burns has presented this land to the city for the use of the Park Board, and the nominal sum of one dollar is stated in the deeds in order to make the same binding upon the parties.

I would recommend that this Board accept the deeds, and send a copy of our action together with this communication to the Common Council and recommend that that body accept the deeds.

Respectfully submitted: H. W. Douglas.

Board of Park Commissioners, April 17, 1915.

To the Council: Gentlemen—At a meeting of the Board of Park Commissioners, on April 16th, 1915, it was moved and carried that the deeds from Mr. George P. Burns to the city of Ann Arbor be accepted.

Respectfully submitted: Ray E. Bassett, Superintendent of Parks.

(Council action.)

Moved by Ald. G. Lutz, that the communication be received and recommendation adopted.

Adopted as follows: Yeas, Ald. Heusel, Fiegel, Hanselmann, A. Lutz, Koernke, Heck, Markey, Flynn, Sherk, Manwaring, McGregor, Freeman, G. Lutz, Sink, Pres. Wurster, 15. Nays, none.

From Board of Public Works.

Moved by Mr. Rehberg, that the board recommends to the Council that gutters on both sides of Broadway, along Shadford property, be paved.

(Council action.)

Referred to Street committee on motion of Ald. Sherk.

(From Board.)

Moved by Mr. Schmid, that the board recommends to the Council that action be taken, if possible, to have all cotton wood and poplar trees within the city streets removed

on account of stoppage of sanitary sewers.

(Council action.)

Referred to Park committee on motion of Ald. Koernke.

(From Board.)

Moved by Mr. Schmid, that the board recommends to the Council that they be authorized to purchase Foote batch mixer for city use at a cost of \$900.00 and the boilers of the two continuous mixers now owned by the city.

(Council action.)

Moved by Ald. G. Lutz, that a committee of two be appointed by the chair to investigate and report on advisability of purchase of new cement mixer. Adopted and Ald. G. Lutz and Manwaring appointed.

(From Board.)

Moved by Mr. Schmid, that the board recommends to the Council that a car of cement be purchased for general city use.

(Council action.)

Moved by Ald. A. Lutz, that recommendation be concurred in. Adopted by unanimous vote of council.

(From Board.)

To the Board of Public Works: Sirs—As a matter of economy in the maintenance of our tarred concrete pavements, I would recommend that a small one-man equipment be arranged and a man employed during the hot summer months to patrol our streets continuously and cover over small places where the tar has commenced to peel off. Very often, if these places where the tar has commenced to peel were patched at once, it would prevent water getting underneath this carpet coating of tar and sand and peeling more of it. I believe the small expense here proposed would often save re-surfacing a street for a year or so. The cost spread over the entire yardage of our pavements would be very small per square yard.

Respectfully submitted, Manley Os-good, City Engineer.

Referred to Council on motion of Mr. Reule.

(Council action.)

Referred to Street committee on motion of Ald. Koernke.

Petitions.

Of Jno. R. Miner, et al., asking that Seventh ward be divided into two voting precincts, received and referred to Ordinance committee, on motion of Ald. G. Lutz.

Of Betsey Mason, et al., asking that sanitary sewer be constructed on Pontiac st. from Cedar st. to city

limits, received and referred to Sewer committee.

Of A. Lemble, et al., for crosswalks on Brown st. at intersection of Philip st., received and referred to Street committee.

Of Ida E. Jones, et al., for crosswalks across Forest ave. at intersection of Minerva road and across Prospect st between Forest ave. and Church st., received and referred to Street committee.

Of F. C. Newcombe, et al., for paving Geddes ave., received and referred to Street committee.

Of Ed C. Jacobus, et al., for crosswalk on west side of Observatory st. across E. Ann st., received and referred to Street committee.

Of A. Lemble, et al., for street light at intersection of Philip and Brown sts., received and referred to Lighting committee.

Of Douglas Golden, et al., for sidewalks along both sides of Granger ave and North Park place from State to Packard sts., received and referred to Sidewalk committee.

Committee Reports.

FINANCE REPORT

Fire Fund.

Chas. J. Andrews, salary	\$ 50.00
Eugene Williams, salary	38.50
George Hoelzle, salary	38.50
Ralph Edwards, salary	38.50
Henry McLaren, salary	36.50
Jacob Gwinner, salary	36.50
Arthur Clark, salary	35.00
Harley Wise, salary	35.00
Martin Noll, salary	35.00
George Isbel, salary	35.00
Frank Markey, salary	35.00
Thomas Shamp, salary	35.00
Clyde Carpenter, salary	35.00
Harold Darling, salary	30.00
Herman Krause, salary	30.00
Ed. Kleinschmidt, salary	30.00
Al. McNamara, salary	30.00
Emil Dammann, salary	30.00
Chas. Carroll, salary	23.00
Frank Kapp, salary	23.00

Total salaries for 1-2 month of April

Police Fund.

John T. Kenny, salary	\$ 41.64
Thos. O'Brien, salary	40.00
Wm. J. Aprill, salary	35.00
Gustave Meyer, salary	35.00
Rex Burnett, salary	35.00
Ruben Armbruster, salary	35.00
Edward Kuhn, salary	35.00
Wm. Blackburn, salary	35.00
Edward Blumhardt, salary	35.00
Frank J. Keihl, salary	32.50

Total salaries for 1-2 month of April

Contingent Fund

M. C. Ryan, salary 1-2 month..... 30.00

Election

Geo. H. Fischer, services	\$ 5.00
John T. Kenny, services	5.00

Geo. P. Ottley, services	5.00
Albert Hankins, labor	6.00
Mrs. Permelia Jacobus, meals	9.00
Catalpa Inn, meals	23.00

Total election	\$ 53.00
Mich. State Telephone Co., rentals and toll	\$ 47.88
H. J. Abbott, P. M., postage	1.10
U. G. Rickert, analyses milk, etc.,	104.00
Chas. L. Miller, expenses paid	14.24
Burroughs Adding Machine Co., at- tention to machine	3.00
Elliott-Fisher Co., supplies	1.55
The Richmond & Backus Co., sup- plies	11.64
Frank W. Wilkinson, supplies	20.00
D. F. Woodward, supplies	1.70
W. C. Russell, labor, eng. dept....	25.00
F. E. Williams, labor, eng. dept....	20.70
Ross Granger, express, etc., paid..	2.31

Total supplies, etc.	\$253.12
Contingent fund total	\$336.12

Dog License Fund

R. W. Cantrell, burial	\$ 1.00
Cantrell & Becks, burials	1.50
Joseph Clay, burial75

Total	\$ 3.25
-------------	---------

Water Works Fund

W. H. Willsher, services	\$ 37.50
Joel West, services	37.50
Leslie Bush, services	37.50
Albert Kellogg, services	30.00
H. C. Willsher, services	30.00
Floyd Seabold, services	30.00
J. Schwikert, services	32.50
Henry Linde, services	32.50
John Wood, services	30.00
A. E. Hawkes, services	37.50
Cliff Shetterly, services	41.66
Louise Malloy, services	25.00
R. Crocker, services	25.00
L. Hazelschwerdt, services	18.76

Total services for 1-2 month of April	\$445.42
F. Rhodenbecker, labor	\$ 22.50
E. Rhodenbecker, labor	18.28
J. Nimz, labor	17.15
J. Glazier, labor	22.50
L. Hazelschwerdt, labor	5.00

Total labor	\$ 85.43
Crane Co., supplies	\$288.29
Neptune Meter Co., supplies	251.26
J. T. Wing & Co., supplies	52.50
Norwood Engineering Co., supplies,	17.00
The Times News Co., adv.	9.80
McOmer & Miner, insurance	177.50
The Dow Chemical Co., supplies...	10.50
Harvey Stoffet, distributing bills,	25.05
Eastern Mich. Edison So., supplies,	12.15
Washtenaw Electric Shop, supplies,	3.60
C. F. Godfrey, cartage, etc.	12.30
Michigan Central R. R. Co., freight,	56.46
Mich. State Telephone Co., services,	34.50

Total supplies, etc.	\$950.91
Water Works fund total	\$1,481.76

Park Fund

Mort Bowen, labor	\$ 15.56
William Briggs, labor	21.45
John Elsifor, team	31.00
Oscar Kevuska, labor	17.56
J. W. O'Brien, labor	9.34
C. Ralya, labor	1.78

W. J. Randel, labor	15.56
Total labor	\$112.25
H. J. Abbott, P. M., postage	\$ 2.13
John Herrst, gravel	5.00
George Spathelf, dirt	2.00

Total supplies	\$ 9.13
Park fund total	\$121.38

Steere Farm Fund

V. R. Burton, engineering	\$ 51.00
A. W. Schneider, engineering	10.20
Total	\$ 61.20

Street Fund

Andrew Caughey, labor	\$ 4.00
Wm. Clark, labor	25.00
Emanuel Holzappel, labor	1.00
Sam. Kalmbach, labor	2.00
Matt. Koch, labor	12.00
Fred Kraus, labor	15.00
Geo. J. Mack, labor	18.89
James Mason, labor	27.00
Geo. Moran, labor	6.00
Ernest Rapp, labor	20.89
Carl J. Rash, labor	7.00
J. M. Reid, labor	6.50
W. H. Romig, labor	12.33
Eugene Schlanderer, labor	22.00
A. G. Schneeberger, labor	20.89
Adam Seyfried, labor	4.00
Jacob F. Staebler, labor	20.89
Fred Ulrich, labor	30.00
Martin Walsh, labor	23.50
John Wendland, labor	20.89
Joe Youngbauer, labor	20.38
Jacob Becks, team	34.75
Fred C. Hanselman, team	51.50
John Horton, single wagon	38.50
J. A. Kapp, team	42.00
John McHugh, team	4.00
John Miller, team	42.50
Carl Rehberg, team	44.00
George Schaible, single wagon ...	35.00
W. H. Seeley, team	47.00
Claud Young, team	41.25

Total Street fund	\$700.66
-------------------------	----------

Recapitulation

Contingent fund	\$ 336.12
Fire fund	679.50
Police fund	359.16
Dog License fund	3.25
Water Works fund	1,481.76
Park fund	121.38
Steere Farm fund	61.20
Street fund	700.66

Total	\$3,743.03
-------------	------------

Ann Arbor, Mich., April 19, 1915.

To the Finance committee of the Common Council: Gentlemen—I have examined the foregoing accounts against the city of Ann Arbor, and I hereby certify that they are correct to the best of my knowledge. ROSS GRANGER, City Clerk.

To the Honorable, the Common Council: Gentlemen—Your Finance committee has reviewed the foregoing report. Warrants for salaries were drawn April 16, 1915. We recommend that same be approved and that warrants be ordered drawn for the foregoing accounts.

GEO. LUTZ, ALBERT FIEGEL, Finance Committee.

Ald. G. Lutz moved the adoption

of the report. Adopted by unanimous vote of the Council, 15.

Ald. G. Lutz presented a statement of taxes returned on property in Second and Seventh wards, Assessor's plat and Maynard and Morgan addi-

tion, \$481.06; Parker estate to pay \$196.20 and city \$284.86, and moved that the matter be referred to the City Attorney and City Clerk with power to act.

Adopted by unanimous vote of the Council, 15.

Officers' Reports.

To the Board of Public Works, Ann Arbor, Michigan: Sirs—I present herewith the following report of expenditures for work done under my direction for the month of March, 1915:

Engineering and Clerical--	
Employe	Amount
Manley Osgood	\$150.00
A. L. Sloman	85.00
W. C. Russell	39.33
F. E. Williams	41.85
Steere Farm--	
V. R. Burton	\$114.75
G. A. Woodhouse	13.05
F. C. Morse	3.00
Total	\$446.98
Sewer and other work--	
Julius Loehrke	\$ 80.00
St. Com. Roll, 3-10	31.67
St. Com. Roll, 3-31	45.34
Total	\$157.01
Total expenditures	
\$603.99	
Respectfully submitted: MANLEY OSGOOD , City Engineer.	

work done under my direction for the month of March, 1915:

Chargeable to	Amount
General work of department	\$ 93.31
Office records	72.54
7th st. sanitary sewer, Miller av. to Huron st.	42.59
Municipal lighting	14.55
Division st. pavement	9.35
East Jefferson st. pavement	7.12
Sprinkling streets	6.00
Sanitary sewer maintenance	3.93
Sidewalk and curb grades66
Numbering houses36
Steere Farm	196.57
Total	\$446.98
Sanitary sewer maintenance	\$ 86.32
Cleaning and fixing around automobile and shed	5.82
Tapping sanitary sewers	1.32
Steere farm	63.55
Total	\$157.01
Total expenditures	
\$603.99	

Street Commissioner's Report

Ann Arbor, Mich., April 10, 1915.

Hon. Board of Public Works, Evart H. Scott, President: Gentlemen—The following is a report of the work done by the Street department during the month of March, 1915:

Feb 25, Mch. 10, Mch. 11-13—Cleaning paved streets, labor	\$181.30
Cleaning alleys, labor	1.62
Cleaning crosswalks, labor	4.55
Taking care of snow, labor—Cleaning snow from crosswalks, gutters, etc., \$22.73; cleaning snow from park walks, \$1.17; plowing snow from sidewalks, \$51.50; plowing snow from gutters, \$3.75; total	79.15
Miscellaneous work and repairs, labor	49.23
(Work on street scrapers, \$5.19; making street sweeper brooms, \$15.45; building fence, repairs stable floor city yard, \$1.23; removing ashes basement city hall, \$1.50; handling stone and lumber and clearing up at city yard, \$25.86.)	
City engineer's department acct., labor	76.67
(Cleaning and repairs sanitary sewers, work at Steere farm, etc.)	
Grading, graveling and patching	

dirt streets, labor	23.11
(Filling cinders 3d and Jefferson, Schneider sewer acct.; Church and Hill, Broadway at bridge, Fuller, with gravel; Lawrence, N. State; filling stones in gutter Ann between Clark and Observatory; cleaning alley between Summit and depot west of Detroit; raking stones Detroit st. and Jackson ave.)	
Grading with street drag and scraper, labor	9.34
(Jackson ave., Dexter road, Detroit st.)	
Repairs and cleaning inlets and gutter boxes, labor	5.72
(Repairs top cement culvert Lincoln & Cambridge road; cleaning inlets 3d, 4th and 3th wards.)	
Cleaning gutters dirt streets, labor, (North 4th ave., Detroit, Catherine, Beakes, Kingsley st., Hamilton place, S. 4th ave., S. 5th ave., Thompson, Maynard.)	41.46
Total	\$472.15
Respectfully submitted: A. J. PAUL , Street Commissioner.	
Reports of City Engineer and Street Commissioner for month of March received and ordered to take usual course.	

City Clerk's Report On Bonds and Licenses.**Bonds and Licenses.**

To the council: Gentlemen—The following have filed bonds, and applications for license, and I present the same to your honorable body for consideration:

Official bond, Ross Granger, city clerk.

Constable bonds—Orrin B. Swezey, Herman Volz, Julius Lohrke, John Shankland, Walter Koebnick, Marion M. Wheelock, John Young.

Druggists bonds—E. E. Calkins, Arthur E. Crippen, L. O. Cushing, Dawson Bros., Edgar C. Edsill, Ottomar Eberbach, J. J. Goodyear, Herman F. Miller, Arthur E. Mummery, Quarry Drug company, Sugden Drug company.

Bonds and application for saloon license—Erhard T. Alber and Nathan Horning, Fred Brown, William Corson, Lawrence J. Damm, George and William Frey, Fred J. Haas, George Heibein, Howard F. Hildenbrand, Oswald Dietz, Daniel C. Haas and Henry W. Heibein, Charles J. Klais, William and Charles Kapp, Richard Kearns, Jr., Frank S. Marz, Henry J. Mayer, Joseph S. Parker, Earl D. Ross, August Waidelich and Ernst W. Waidelich, Fred W. Wagner, John George Walz, Albert H. Staebler and Willis G. Johnson, George E. Stadlerman, William Seagert, George A. Shaible, Sherman S. Sears and Charles R. Hires, William C. Nowlin, William Goetz & Son, J. G. Fred Schmidt, Fred Dupper.

Michigan Union Brewing Company (brewer's bonds.)

Respectfully submitted, Ross Granger, City Clerk.

Received and following resolution offered:

By Ald. Fiegel: Resolved, that all applications for saloon licenses and all bonds in the hands of the City Clerk be referred to the license and bond committees to report back to this Council next Monday night.

Resolved, further, that when this Council adjourns, it does so to meet Monday, April 26th, 1915, at 7:30 o'clock.

Adopted by unanimous vote of the council, 15.

April 19th, 1915.

To the Honorable, the Common Council: Gentlemen—In the matter of the communication from the Secretary of the Board of Regents of the University relative to the action of

that Board in connection with the sewer assessments in sewer districts number 59 and 62, which matter was referred to me by your honorable body under date of April 8th, 1915, beg leave to report as follows: I have investigated the matter and find that the property is not subject to assessment, and I therefore recommend that said assessments be taken from the rolls and that the amount charged to the University be spread and collected the same as the other sums paid by the city in the construction of sewers.

Respectfully submitted, Frank B. Devine, City Attorney.

Moved by Ald. G. Lutz, that the report be accepted and recommendation adopted. Adopted as follows: Yeas, Ald. Heusel, Fiegel, Hanselmann, A. Lutz, Koernke, Heck, Flynn, Sherk, Manwaring, McGregor, Freeman, G. Lutz, Sink, Pres. Wurster, 14. Nays, Ald. Markey, 1.

April 19th, 1915.

To the Honorable, the Common Council: Gentlemen—In the matter of the omission of the city share of the county poor tax from the 1914 assessment, which matter was referred to me by your Honorable Body under date of April 8th, 1915, beg leave to report as follows: That in my opinion the amount will have to be assessed in the 1915 assessment of county taxes. I therefore recommend that the assessor be authorized to spread the same accordingly. Respectfully submitted, Frank B. Devine, City Attorney.

Moved by Ald. Fiegel, that report be accepted and recommendation adopted. Adopted by unanimous vote of the Council, 15.

Moved by Ald. McGregor, that the matter of Armory pavement assessment be referred to the City Attorney and City Treasurer with power to act.

Adopted by unanimous vote of the Council, 15.

City Engineer's Estimate of Cost of Municipal Electric Lighting Plant.

City of Ann Arbor, Mich., March 15, 1915.

To the Honorable Common Council, Ann Arbor, Michigan: Sirs—Acting in accordance with your instructions of Nov. 2, 1914, I present the following estimate of the cost of a municipal electric lighting plant, to furnish the same street lighting service, exclusive of the present "white way" lighting in the down town district, as is at present being furnished by the

Eastern Michigan Edison company of this city.

Cost of installation:

Generating equipment in water pumping station No. 2.	\$ 6,800.00
Transmission line to substation in city building..	790.00
Substation	5,870.00
Distribution system	36,170.00
Total	\$49,630.00
Engineering, contingencies, etc., at 12 percent	5,955.60

Total \$55,585.60

This contemplates placing arc and tungsten lights about the city as at present.

The yearly cost to the city, should they install and operate this street lighting system, would be as follows:

Interest, depreciation, repairs, maintenance, insurance, etc., at 12 percent on \$55,600.00	\$ 6,672.00
Operating cost at generating station	3,400.00
Lamp and distribution system supplies	1,800.00
Overhead, supervision, trimming, cleaning, and renewing lamps, etc.	1,500.00

Total \$13,372.00

The yearly payments to the Eastern Michigan Edison company at present are as follows:

194 arc lights at \$60 per year	\$11,640.00
235 Tungsten lights at \$18 per year	4,230.00

Total \$15,870.00

These figures indicate a yearly saving of \$2,500 in favor of a municipally owned plant, but I am firmly convinced that the Eastern Michigan Edison company, making a fair profit, can do this street lighting cheaper than the city can do it. They should at least make their rates low enough to equal in sum the amount for which the city could do such lighting.

Reduced to a price per kw. hour at the lamps, the above amounts are as follows:

\$13,372.00—Municipal plant—approximating 4.68c per kw. hour.
 \$15,870.00—Present cost—approximately 5.56c per kw. hr.

The tabulations of quantities, prices, etc., upon which this estimate is based are appended hereto.

Our present lighting system is the result of a haphazard growth, without any engineering design as far as

lighting effect is concerned. Furthermore, the lighting of streets has been entirely revolutionized in the past year or two. I would therefore recommend that your Engineering department be authorized to design a modern distribution system for the lighting of the city streets, the same to be either adopted at the expiration of the present contract, or used as a design to work toward. I believe that in this way our streets can be more efficiently lighted at the same or lower cost. All of which is

Very respectfully submitted, Manley Osgood, City Engineer.

GENERAL INFORMATION.

Lights in service March 1st, 1915: 194 arc lights, 235 Tungsten lights.

Watts per lamp: 310 watts for each arc, 60 watts for each Tungsten, at light terminals.

Time of burning: 3,846 hours per year.

Energy consumed: 231,300 kw. hours for arcs, 54,230 kw. hours for Tungstens, 285,530 kw. hours total.

Total capacity required: 74.24 kw.

Eastern Michigan Edison company capacity at substation: 90 kw.

Substation capacity used for estimating, 90 kw.

Generating station capacity used for estimating: 100 kw.

Wire in use by Edison company for street lighting distribution system: 264,300 feet.

Wire estimated for municipal street lighting distribution system: 257,100 feet.

The saving for the municipal street lighting system is possible at places where the Edison company has taken a longer route than necessary in order to put the street lighting wires on commercial poles already in place.

INITIAL COST.

Generating Station—	Cost.
Turbo generator with exciter, complete and installed....	\$4,600.00
Condenser in pump suction and vacuum pump complete and installed	1,200.00
Steam piping	200.00
Switch board pannels, installed	450.00
Station wiring, including lightening arrestors and choke coils, to outside of building	150.00
Building rearrangement....	200.00

Total \$6,800.00

Transmission Line—	
25 Poles, at \$16.00, in place..	\$400.00
25 cross arms, at 50c	12 50

75 insulators, at 7c	5.25
75 cross arm pins, at 3c	2.25
150 cross arm braces, at 7c...	10.50
1,560 pounds wire (No. 4), at 22c, in place.....	343.20
Labor placing line material, at 50c a pole.....	12.50
Total	\$786.20
Transformer Substation—	
Building rearrangement	\$ 300.00
Transformers and rectifiers..	5,300.00
Switch board, included above.	
Lightening arrestors	120.00
Substation wirfing	150.00

Total	\$5,870.00
Distribution System: Arc Lighting—	
630 poles, at \$11.00, in place	\$ 6,930.00
225 poles, at \$16.00, in place	3,600.00
45 poles, at \$20.00, in place	900.00
900 cross arms, at 80c, in place	720.00
1,400 insulators and cross arm pins, at 10c	140.00
1,800 cross arm braces, at 7c	126.00
Lag screws, bolts and steps at 25c per pole	225.00
Labor placing insulators, steps, and miscellaneous material, at 50c per pole.	450.00
31,600 pounds wire (No. 6), at 22c, in place.....	6,952.00
194 arc lights, at \$22.40...	4,345.60
194 mast arms at \$10.00, in place	1,940.00
194 shives, at \$1.00.....	194.00
194 shives, at 50c	97.00
194 chords, at \$1.00.....	194.00
Labor piacing lamps, etc., at \$2.00 each	388.00
Total	\$27,201.60

Tungsten Lighting—The arc lighting has been considered as the main work of the distribution system and poles and wire have been charged to the Tungsten lighting only when it was necessary to run from this arc distribution system and back again in order to serve one or more Tungsten lamps.

150 poles, at \$11.00.....	\$1,650.00
10 poles, at \$16.00.....	160.00
160 cross arms at 80c, in place	128.00
200 insulators and cross arm pins, at 10c	20.00
320 cross arm braces at 7c..	22.40
Lag screws, bolts and steps at 25c per pole	40.00
Labor placing insulators, steps and miscellaneous material, at 50c per pole...	80.00
10,780 pounds wire (No. 6), at 22c per pole	2,371.60
235 concrete posts, in place, at \$12.00	2,820.00
235 lamps and fixtures, at	

\$5.15	1,210.25
Labor placing lamps and fix- tures, at \$2.00 each.....	470.00

Total

\$8,972.25

Summary—

Generating system	\$ 6,800.00
Transmission line	786.20
Transformer substation ...	5,870.00
Distribution system, arc....	27,201.60
Distribution system, Tung- sten	8,972.25

Total

\$49,630.05

Engineering, contingencies,
etc., at 12 percent

5,955.60

Total

\$55,585.65

FIXED CHARGES.

Interest at

4 percent

Depreciation at

5 percent

Repair and maintenance ..

3 percent

Total

12 percent

(Assumed obsolete at 15 years, scrap

value, making difference in percent-

age.)

OPERATING CHARGES.

(Based on total output of 285,530 kw.

hrs. per year at light terminals.)

Yearly Operating Costs—

Coal

\$2,000.00

Additional attendance

1,200.00

Oil, waste, supplies and mis-
cellaneous

200.00

Total

\$3,400.00

Arc Light Supplies—

Electrodes at.....

\$3.00

Repairs

.50

Rectifier tubes

3.00

Total

\$6.50

\$6.50 for 194 arcs.....

\$1,067.00

Tungsten Light Renewal Supplies—

Four (4) each for 235 lamps,

at 76c each.....

\$714.40

TOTAL ANNUAL COSTS.

12 percent on \$55,600 instal-

lation

\$ 6,672.00

Operating cost

3,400.00

Lamps and distribution sys-

tem supplies

1,800.00

Overhead, supervision, trim-

ming, cleaning and renew-

ing lamps, etc

1,500.00

Total

\$13,372.00

Moved by Ald. G. Lutz, that esti-

mate be referred to Lighting com-

mittee. Adopted.

Resolutions.

By Ald. Sink: Resolved, that the

rules of the 1st council be and they

are adopted as the rules of this coun-

cil. Adopted by unanimous vote of the Council, 15. to the Street and Sidewalk committees. Adopted.

Moved by Ald. G Lutz, that the matter of establishing curb line and sidewalk grade on Miller ave. along Patrick Purtell property be referred

The Council adjourned to meet Monday evening, April 26th, 1915, at 7:30 o'clock.

ROSS GRANGER,
Clerk.

Chargeable to—	
General work of department..	\$ 91.96
Records	68.00
Broadway bridge	32.61
Heating plant for Fire Station No. 1	59.46
Miller avenue pavement	40.52
Grading Edward street	12.92
Steere farm maintenance	9.13
Hamilton, Rose & Sheehan addition, sanitary sewer	5.77
Moseley street sanitary sewer	1.68
Miller ave. storm sewer	1.03
Roosevelt ave. storm sewer...	.81
Allen's creek storm sewer	1.01
Automobile repairs	2.17
Sanitary sewer maintenance..	7.68

Total	\$334.75
Sanitary sewer maintenance..	\$ 84.09
Storm sewer maintenance	14.93
Steere farm maintenance	7.60
Cleaning, repairing, painting, tools, etc.	14.60
Division street pavement	3.20
State street sanitary sewer...	3.06
Moseley st. sanitary sewer60
Miller ave. storm sewer80
Miller ave. pavement	2.00
Tapping sanitary sewers	2.40

Total

Total expenditures\$468.03
Respectfully submitted, Manley Osgood.

April 12, 1916.

To the Board of Public Works, Ann Arbor, Michigan: Sirs—I present the following report of expenditures for works done under my direction during the month of March, 1916:

Engineering and Clerical—	
Employee.	Amount.
Manley Osgood	\$150.00
W. C. Russell	85.00
H. H. Person	44.67
F. E. Williams	39.00
G. H. Sandenburgh	12.00
R. A. Dodge	5.13

Total	\$335.80
Sewer and other work—	
Julius Loehrke	\$ 80.00
St. Com. Roll, March	6.70

Total	\$ 86.70
Chargeable to—	
General work of department..	\$145.33
Records	95.80
Broadway bridge	50.10
Heating plant for Fire Station	29.97
Miller ave. storm sewer.....	18.21

Steere farm maintenance	6.62
Paving on Miller avenue.....	4.90
Plumbing inspection	4.04
Fire door to Fire Station....	2.84
Sanitary sewer maintenance..	2.80
Automobile repairs	1.94
Sanitary sewer repairs for State Sanitary Engineer ...	1.42
State street, cleaning for Joyce	1.00
Bridge and viaduct maintenance83

Total	\$335.80
General repairs, tool's, office, shed and city yard	\$ 35.79
Sanitary sewer maintenance..	15.54
Bridge and viaduct maintenance	3.65
Work for street department..	25.07
State street, cleaning for Joyce	4.33
Steere farm maintenance	2.32

Total

Total expenditures\$422.50
Respectfully submitted, Manley Osgood.

Reports for month of March of City Treasurer and City Clerk, and City Engineer's reports for February and March, received and ordered to take usual course.

From City Assessor.

To the Honorable, the Common Council of the City of Ann Arbor: Gentlemen—Warrants should be drawn in favor of the City Treasurer for the following amounts, by reason of contracts on file in the City Clerk's office, exempting them from all lateral sewer tax on First st., Tax Account Sewer Dist. No. 66:

Emory and Mary A.	
Keppler	\$45.30—31.77
Mary Kirn	73.20
Emil F. Rahr	91.52

Total

Very respectfully, Herbert W. Crippen, City Assessor.

Moved by Ald. Sink, that City Clerk draw warrants in favor of the City Treasurer as recommended by the City Assessor.

Adopted by unanimous vote of those present, 13, Pres. not voting.

City Clerk's Report on Election Booths.

To the Council: Gentlemen—As per your order of March 20th, election booths in the several wards have been repaired, and eleven new booths established as follows: Two each in the 3rd, 4th and 7th wards, and five in the 2nd, at a cost of \$110.13. I respectfully recommend that a new roof

cover be placed on the 7th ward building, and proper ventilation furnished.

Ross Granger, City Clerk.

Moved by Ald. G. Lutz, that report be accepted and adopted.

Adopted by unanimous vote, 13, president not voting.

City Clerk's Report on Bonds and Licenses.

To the Council: Gentlemen—The following have filed bonds and applications for licenses, and I present the same to your honorable body for consideration:

Constable bonds—Julius Lohrke, Frank Cosgrove, Walter Koebnick, John Young, Carl Berger.

Druggist bonds—L. O. Cushing, J. J. Quarry, Dawson Bros., Rudolph J. Fischer, Sugden Drug Co.

Liquor, Saloon and Brewery bonds, and applications for saloon licenses: Alber & Horning, Fred Brown, William Corson, Fred G. Haas, Haas & Heibein, Lawrence J. Damm, Oswald Dietz, William Frey, Wm. Goetz & Son, Geo. Heibein, Charles R. Hires, Kapp & Kapp, Richard Kearns, Jr., Frank S. Marz, Henry J. Mayer, Wm. C. Nowlin, Joseph S. Parker, Dick Kirtz, William Seagert, Geo. A. Schaible, Staebler & Johnson, George E. Stedleman, Fred W. Wagner, J. George Walz, Waidelich & Waidelich, Herman Volz and John Seitz, J. G. Fred Schmid, Fred Dupper, Michigan Union Brewing Company.

Respectfully submitted, Ross Granger, City Clerk.

By Ald. Fiegel: Resolved, that all applications for saloon licenses and all bonds in the hands of the City Clerk be referred to the license and bond committees to report back to the Council next Monday night.

Resolved, further, that when this Council adjourns it does so to meet Monday, April 24th, 1916, at 7:30 o'clock p. m.

Adopted by unanimous vote, 13; Pres. not voting.

City Attorney's Report on Claim.

April, 17th, 1916.

In re Claim of Fred Smith.

To the Honorable, the Common Council: Gentlemen—Relative to the above entitled claim that was referred to me by your honorable body under date of April 6th -1916, beg leave to report as follows:

That I am unable to learn from the petition where the accident occurred, as the only information that was given in the petition is that it occurred somewhere between the numbers 909

and 913 Huron street. The petition does not state whether it occurred on East or West Huron street.

However, I would state that no liability attaches to the city of Ann Arbor for the alleged injury, as no notice has ever been received of any defect on either East or West Huron street in the city of Ann Arbor.

Section 100, of the Charter of the city of Ann Arbor, as amended in the year of 1913, requires that a written notice of the defect be given to the Board of Public Works before any action can be maintained for any injury. It does not appear that the Board of Public Works has ever received a notice as required by that section.

This provision was upheld by the Supreme court in the case of Forsythe vs. the city of Saginaw, reported 158 Michigan, at page 201.

In view of the foregoing, I would therefore report that in my opinion the city of Ann Arbor is not liable for the alleged injuries so stated in the above entitled matter.

Respectfully submitted, Frank B. Devine, City Attorney.

Ordered on file.

City Attorney's Report on Parker Taxes.

April 17th, 1916.

In the matter of the tax on the property owned by the Parker Estate in the 2nd ward of the City, which property had been over assessed and on which a remittance was allowed at the meeting of the Council under date of March 20, 1916, one assessment in the sum of \$11.96 was omitted. This the Parkers have paid and now ask a rebate in the same proportion that was allowed on the other property, which would amount to the sum of \$7.17.

Respectfully submitted, Frank B. Devine, City Attorney.

Referred to Finance committee.

Resolutions.

Ald. Heck moved that we reconsider the action of the Council taken at the last meeting relative to the letting of the contract for the construction of the storm water sewer on Miller avenue.

Adopted by unanimous vote, Pres. not voting, 13.

By Ald. Heck: Resolved, that we concur in the recommendation of the Board of Public Works in awarding the contract for the construction of the storm water sewer on Miller avenue to Albert H. Prang.

Adopted by unanimous vote, Pres. not voting, 13.

By Ald. Geo. Lutz: Whereas, there has been an error made in the matter of giving credit for the payment of certain tax on property in the Seventh ward of the City, wherein Fred Ross was given credit for the payment of the sum of \$17.54, which should have been credited to Harry Richards, the party paying the same, therefore, be it

Resolved, that the City Treasurer is hereby directed to correct said error and credit the said payment to Harry Richards and that the said property of Fred Ross be charged with the same.

Adopted by unanimous vote, Pres. not voting, 13.

Miscellaneous Business.

To the Honorable Common Council, of the City of Ann Arbor: Gen-

tleman—I wish to give notice that at the next regular meeting of the Council, I will present the following change of rule 21 of the rules of Council:

“No account shall be allowed at other than the regular meetings of the Council, except that warrants may be drawn on approval of the Finance committee, on the first day of each month, for all regular salaries, and on the first and sixteenth day of each month for salaries of police, firemen and regular employees of the Water department, provided that when the first and sixteenth fall on Sunday or a legal holiday, said warrants may be drawn the preceding day or day following.

Very respectfully, Chas. Sink.

The Council adjourned to meet Monday, April 24th, 1916, at 7:30 p. m.
Ross Granger, Clerk.