



## **Warehouse District Heritage Streets Plan**

City of Minneapolis Annual Reports - Paving

**1889 Annual Report** - Since this is the first version, the city engineer sums up the street paving that has been done up to this point (past 8 years). There are 24 miles of paved streets and 4 done in this year - 80% are cedar block, 20% granite. The table that lists paved streets prior to 1889 is on page 120 and it identifies portion of street and material used, the 1889 table is on page 124.

**1890 Annual Report** - table on page 118

**1891 Annual Report** - table on page 108

**1892 Annual Report** - table on page 116

**1893 Annual Report** - City engineer describes that a discussion has begun on using brick for paving (page 116). At this point, 300 of 800 city streets are paved with 63 miles of cedar block, 2.8 of asphalt, 9.5 of granite, and 2 of macadam. He goes into the cost details of each, including the base. Granite was the most commonly used for curbing. There is a discussion on page 120 about the City's success in abolishing railroad grade crossings. The table for paved streets is on page 128.

**1894 Annual Report** - Apparently businesses in downtown pushed for brick to start being used and brick was ordered against the engineer's advice. His report goes into extensive detail about the types of brick, where they come from, and how much they cost. There is a MAP of paved streets by material type on page 144. The paved streets table is on page 146.

**1895 Annual Report** - The Downtown controversy is over - they used Utah Wasatch Limerock Asphalt on Nicollet Ave instead of brick. Minneapolis is the first city east of the Rockies to use this material. The city engineer wanted to test brick on one block of Washington between 2nd and 3rd Aves S but didn't end up occurring. The Council did take a trip to Des Moines to visit the Brick Makers Association and inspect 60 miles of that city's brick pavements, and they were in good condition. The engineer finally tested the first brick on a strip 60 feet in length on Bridge Square over Great Northern Railway tracks. They used four types of brick. The test was a success and the engineer proposes using brick commonly, particularly if it can be manufactured closer to home (page 123). Table of paving done this year is on page 166. A MAP on page 167.

**1896 Annual Report** - Important year for paving, some old, dilapidated cedar block pavements finally removed and substituted with asphalt. Apparently cedar block only really is good for 5 years and asphalt has 10-year guarantee. This report points out the first ever pavement (1882) was granite on Washington south of 3rd Ave S and cedar block north of 3rd Ave S. All brick used so far in city comes from Des Moines. Page 119 has an interesting discussion on how tracks are laid in the streets and that they are a particularly a problem in the cedar block streets due to contraction and the need to fill the gaps with another material. Paving table on page 160, MAP on page 161 shows a small stretch of brick in the North Loop (but not in the district).

**1897 Annual Report** - Not much paving, lack of money and uncertain of what material to use. Next brick street constructed in city - 7th St between Hennepin and 7th Ave S. More mention of Purington Brick Company out of Galesburg, IL. Businesses and property owners really like the brick, also bicyclists. Paving repairs are starting to be more of a problem - old cedar block in such bad condition that they aren't being repaired but instead abandoned and covered with gravel - okay in the winter but a muddy best in summer. Now the city has started to use brick exclusively. Paving table and map on page 232.

**1898 Annual Report** - Bidding process to find a brick manufacturer - described on page 155. Contract let to Purington Company, lowest bidder and "furnishing, in my opinion, the best brick of all concerns bidding". City also trying Kettle River Sandstone blocks, laid in parts of North Loop - 1st Ave N from Washington to 4th St and 3rd Ave N from 2nd to 3rd Sts. Paving table on page 201. Another interesting table on page 205 of pavement removed and replaced by other pavement - first year this is inventoried.

**1899 Annual Report** Annual Report - Annual Report discusses the maintenance of different paving types found within the City. City Engineer has discussed the maintenance of different paving types with seven leading cities. These discussions regard the merit of each paving type but notes to give the tax payers their monies worth depends not only on the material but also the method of placement and treatment afterwards. Too much sprinkling and sweeping are detrimental to pavements and the "seven" department heads have all but condemned the sprinkling of asphalt paving.

City paving map found on page 181

Kettle sandstone pavers laid in lieu of cedar blocks on 3<sup>rd</sup> avenue n – from 2<sup>nd</sup> street n to 3<sup>rd</sup> street north. Remainder of block from fifth street to (175' towards 4<sup>th</sup> street was laid with the same sandstone material. See page 197 of pavement removed and replacement chart. Washington Avenue replaced from 3<sup>rd</sup> Avenue s to 3<sup>rd</sup> avenue n from cedar block to asphalt.

First year bicycle paths showed up in the engineers report.

**1900 Annual Report** - For the first time in the history of the city all of the paving, curb and gutter was done by day labor (city had to purchase equipment and find skilled laborers).

Engineer noted that Washington Avenue from 3<sup>rd</sup> Avenue N to 5<sup>th</sup> avenue N was to be paved with brick pavers in the upcoming year. Businesses in the area contributed money to intersections.

A large portion of Washington Avenue from 5<sup>th</sup> avenue n to 14<sup>th</sup> avenue n was repaved with brick from cedar block. Granite curb was also set as part of this project. See pavement removal and replacement chart on page 175. No paving map.

**1901 Annual Report** - Cost of pavement repairs in the city exceeded pavement repairs from the previous year. This excess was associated to brick pavements to the use of tar filler. This filler was adopted in place of cement filler at the request of property owners so that the street might be cured quickly in condition for travel. Tar filler would provide a more "elastic" condition than the cement filler and reduces the expense of replacing the pavement when tore up for subway work.

The following streets were recommended for replacement....Fifth avenue n – 2<sup>nd</sup> street to Washington Avenue. Paving done in 1901 included....Washington Avenue N – 5<sup>th</sup> Avenue intersection, Washington avenue n - 3<sup>rd</sup> avenue to 4<sup>th</sup> and then 4<sup>th</sup> to 5<sup>th</sup> avenue including the bridge. See chart on page 169.

Paving removed and replaced includes.... Washington Avenue N – 5<sup>th</sup> Avenue intersection (cedar block to brick), Washington avenue n - 3<sup>rd</sup> avenue to 4<sup>th</sup> avenue (brick) and 4<sup>th</sup> to 5<sup>th</sup> avenue (sandstone on concrete). See chart on page 171

Chart on page 173 defines asphalt paving on Washington Avenue from 3<sup>rd</sup> Avenue s to 3<sup>rd</sup> Avenue n as being installed in 1896.

**1902 Annual Reports** - 1902 is the first mention of creosoted wood block paving materials. Also a wide variety of installation methods defined.....granite on sand or concrete, brick, sandstone on sand or concrete and Macadam with granite or limestone dressing.

Engineer identified issues with Macadam paving and considers the system a total failure and has expensive maintenance costs.

Paving done chart on page 164 identifies new paving on 8<sup>th</sup> Avenue N from Washington to the ROW of the SOO railroad.....paved as macadam L. top...

Paving done on 2nd avenue N – 1st Street N to ROW of W.C. RY.....Purington Brick

TABLE No. 13.

**Paving Done During the Season of 1902 and Assessed in the Taxes for the Year 1902.**

All assessable property is assessed for the cost of the street on which the property abuts. The cost of paving all street intersections and parts along property exempt from special assessments is paid out of the permanent improvement fund, which is raised by general taxation. The paving is paid in five equal annual installments, with interest at five per cent per annum on all deferred payments. All work done by the city by day labor.

STREET.	From--	To--	Kind.	Width in Feet			Rate of Assessment Per Sq. Yd.	Cost per Sq. yard.	Length Paved in Feet and 10ths.	Square yards Paved by		Cost of Paving Laid by City.	Amount of Assessment.
				Paved by St. Ry. Co.	Paved by City.	Roadway.				Street Railway Co.	City.		
Alley, Block 37...	Town of Minn	apolis .....	Purington Bl'k Bk.	10.0	10.0	.....	2.69	55 4	.....	57.10	153.85	Money adv'cd	
Cedar av.....	5th st.....	7th st.....	Purington Bl'k Bk.	15.1	34.9	50.0	2.10	2.19	832.3	1,399.98	3,878.67	8,503.48	4,938.01
Hennepin av.....	10th st.....	13th st.....	Sandstone on Con.	15.1	48.9	64.0	2.58	2.54	1,100.3	** 1,939.67	6,317.46	16,042.83	12,643.23
Hennepin av.....	13th st.....	Harmon Pl.....	Sandstone on Con.	15.1	48.9	64.0	2.60	2.64	1,789.3	3,007.57	10,244.22	27,067.34	22,381.18
Main st. N. E.....	Central av.....	1st av. N. E.....	Macadam Gr. Top.	.....	56.0	56.0	1.28	1.13	405.0	.....	2,609.36	2,943.36	2,847.48
Main st. N. E.....	3rd av. N. E.....	4th av. N. E.....	Macadam L. Top.	.....	47.0	47.0	.....	.96	96	612.0	4,417.07	4,240.39	2,870.79
Marshall st. N. E.....	4th av. N. E.....	5th av. N. E.....	Macadam Gr. Top.	.....	34.0	34.0	1.25	1.25	554.25	.....	2,274.87	2,848.14	2,803.74
Nicollet av.....	13th st.....	Grant St.....	Purington Bl'k Bk.	.....	50.0	50.0	.....	2.32	424.55	.....	2,369.73	5,493.86	Assess. in 1903
Univ. av. S. E.....	7th av. S. E.....	10th av. S. E.....	Sandstone.....	.....	40.0	40.0	1.96	1.91	1,309.7	.....	6,529.73	12,502.17	8,744.36
Univ. av. S. E.....	10th av. S. E.....	14th av. S. E.....	Sandstone.....	.....	40.0	40.0	1.96	1.94	1,332.7	.....	6,266.32	12,156.12	11,335.42
Western av.....	N. Irving Av.....	N. James av.....	Purington Bl'k Bk.	15.1	28.9	42.0	2.10	2.37	299.2	501.99	850.83	2,035.78	1,815.03
1st av. N.....	1st st.....	R. of W.C.Ry	Purington Brick	.....	50.0	50.0	1.85	1.91	157.8	.....	988.60	.....	By W.C.Ry.Co.
1st av. N.....	5th st.....	8th st.....	Sandstone.....	.....	50.0	50.0	1.85	1.91	341.3	.....	1,926.10	3,886.63	3,412.20
2nd av. N.....	1st st.....	R. of W.C.Ry	Purington Brick	.....	50.0	50.0	1.85	1.87	170.5	.....	947.23	.....	By W.C.Ry.Co.
2nd av. N.....	Wash. av. N.....	4th st.....	Sandstone.....	.....	50.0	50.0	1.85	1.87	682.0	.....	3,822.60	7,166.51	8,865.76
3rd av. N.....	1st st.....	2nd st.....	Sandstone.....	.....	50.0	50.0	1.85	1.81	333.5	.....	1,906.16	3,453.67	3,354.35
6th av. S.....	Wash. av. S.....	3rd st.....	Sandstone.....	.....	50.0	50.0	1.85	1.86	331.15	.....	1,861.32	3,469.97	3,346.63
8th av. N.....	Wash. av. N.....	R. of W.Soo.Ry.	Macadam L. Top.	.....	40.0	40.0	.....	.....	166.0	.....	716.56	.....	Private Parties
10th av. S.....	Wash. av. S.....	3rd st.....	Purington Bl'k Bk.	.....	50.0	50.0	2.04	2.06	332.4	.....	2,275.37	4,694.30	4,475.23
10th st. S.....	1st av. S.....	Park av.....	Creosoted Wood Bk.	.....	39.0	39.0	2.79	2.79	3,145.95	282.80	13,304.69	37,120.08	26,343.47
20th av. N.....	Miss. R. Bdge.	Wash. av.....	Sandstone.....	.....	64.0	64.0	1.82	1.82	1,183.0	.....	8,666.11	15,772.32	12,822.91
20th av. N.....	Wash. Av. N.....	4th st.....	Sandstone on Con.	15.1	40.9	56.0	2.60	2.63	739.85	1,247.07	3,924.87	10,320.62	8,450.69
20th av. N.....	4th st.....	N. Lyndale av.	Sandstone.....	15.1	40.9	56.0	1.90	1.90	857.4	1,357.40	2,477.80	7,926.38	6,118.90
Totals.....	.....	.....	.....	.....	.....	.....	.....	.....	17,155.55	9,716.48	88,643.57	187,597.80	\$145,529.38
.8475 miles of creosoted wood block.	.....	.....	*Not finished	.....	.....	.....	.....	.....	.....	.....	.....	6,805.33	Cost in 1903
.2959 miles of granite on concrete.	.....	.....	**Granite.	.....	.....	.....	.....	.....	.....	.....	.....	180,792.47	Net cost of Paving in 1902
1.4814 miles of sandstone on concrete.	.....	.....	§In this amount 805.24 sq. yards sandstone, 2202.33 sq. yards is granite.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2.1121 miles of sandstone on sand.	.....	.....	†In this amount 55.17 sq. yards granite, 1191.90 sq. yards sandstone.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.8381 miles of Brick.	.....	.....	‡Not yet finished (to be in 1903).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.3083 miles of macadam (granite top).	.....	.....	¶Of this amount namely 282.8 sq. yards, 120.94 sq. yards is creosote block balance or 141.86 sq. yards is granite.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3.242 miles of macadam (limestone top).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8.2075 miles of average 27 ft. roadway.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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CITY OF MINNEAPOLIS.

**1903 Annual Reports** - No text descriptions of paving.

Paving done on 4<sup>th</sup> avenue n – 1<sup>st</sup> street n to 2<sup>nd</sup> street North.....sandstone on sand

Paving on 5<sup>th</sup> avenue n – 2<sup>nd</sup> street n to 1/2 way to Washington .....sandstone on sand

**1904 Annual Reports** - Paving on 5<sup>th</sup> avenue n –Washington to ½ way at 2<sup>nd</sup> street n .....sandstone on sand

**1905 Annual Reports** - Nothing significant

**1906 Annual Reports** - Pavement map on page 36 of engineers report

Paving on 10<sup>th</sup> avenue n –Washington Avenue to 2<sup>nd</sup> street n.....cedar block to sandstone on sand, and Washington Avenue to 3<sup>rd</sup> street n.....cedar wood block to sandstone on concrete

Engineers report provided a report on cooperative comparative test of different woods for creosoted block paving....test was on Nicollet Avenue between Washington Avenue and 1<sup>st</sup> street.

See scanned maps and documents..

**1907 annual reports** - Pavement map on page 35 of engineers report

No significant pavement replacement in project area

**1908 Annual Reports** - Pavement map on page 8E

Documentation in annual report of more creosote pavement usage throughout the City.

No significant pavement replacement in project area

**1909 Annual Reports** - Pavement map on page 14E

No significant pavement replacement in project area

**1910 Annual Report** - Pavement Map on Page 14e

Only significant pavement repair/ replacement in the project area along 3<sup>rd</sup> Avenue N – 2<sup>nd</sup> Street n to 4<sup>th</sup> Street N....pavement replaced was creosoted southern pine from sandstone.

Annual report paving replacement chart found on 16e identifies 85% of all pavement replacement within streets was with creosoted wood blocks. Brick was the primary material used for alleys.

**1911 Annual Reports** - Pavement map found on page 16e

Pavement chart found on page 18e

6<sup>th</sup> Avenue N – Washington Avenue to 5<sup>th</sup> Street N ,.....sandstone on sand

5<sup>th</sup> Avenue N – Washington Avenue to 3<sup>rd</sup> Street N .....creosoted block

3<sup>rd</sup> Street N – 3<sup>rd</sup> Avenue N to 6<sup>th</sup> Avenue N .....creosoted block

**1912 Annual Reports** - Pavement map found on page 8e

3<sup>rd</sup> Street N –6<sup>th</sup> Avenue N to 7<sup>th</sup> Avenue N .....creosoted block

7<sup>th</sup> Avenue N – Washington Avenue to 3<sup>rd</sup> Street N....creosoted wood block

**1913 Annual Reports** - During 1913 over 90,386 sf of 3.5" creosoted block was laid in the City and another 44, 857 4" creosoted block was laid....this was more than half of the 222,000 sf of pavement materials for the year.

During this year the City purchased the previous Railway portable asphalt plant and laid roughly 11,200 sf of asphalt on some of the major streets in the City (University Avenue, Plymouth Avenue, first Avenue N, second Avenue N.

Creosoted wood block pavements – the wood used for the creosoted pavements was southern yellow pine (also called long leaf yellow pine). And was treated in Minneapolis utilizing standard specifications defined by the association of standardizing paving specifications; using 16 pounds of oil per cubic foot of wood.

See pavement map on page 8e

8<sup>th</sup> avenue n – Washington Avenue to 3<sup>rd</sup> street n.....creosoted wood block

3<sup>rd</sup> avenue n – 4<sup>th</sup> street n to 5<sup>th</sup> street n .....creosoted wood block from sandstone on sand

2<sup>nd</sup> avenue n – Washington Avenue to 2<sup>nd</sup> street n ....asphalt

4<sup>th</sup> avenue north – 1<sup>st</sup> street n to 2<sup>nd</sup> street n ....granite

TABLE NO. 10.

PAVING DONE IN THE SEASON OF 1914 AND A SUMMARY OF THE RESULTS.

All assessable property is assessed for the cost of paving that part of the street on which the property abuts. The cost of paving all streets is paid out of the permanent improvement fund, which is raised by general taxation. The paving is paid in four equal annual installments on all deferred payments. All work done by the city to date.

STREET	FROM	TO	KIND OF PAVING	Width Paved by St. Ry. Co. Feet	Width Paved by City Feet	Width Roadway Feet	Area Paved Sq. Yards	Cost of Paving \$	Cost of Paving by City \$	
Alley in blk 14, Harmona' add	12th st S	Lots 2 and 9	Cresosoted wood	13.5	14	14	83.94	8.11	80.83	
Alley bet. Clinton and 3d avs S	26th st	S line lot 11, blk 2, R. A	Concrete	12	12	12	1.55	1.28	1.27	
Alley in blk 3, Hoag & Bells add.	7th st N	Davidson's	Brick	10	10	10	4.26	4.37	4.26	
Alley in blk 12, Snyder & Co.'s 1st addition.	10th st S	11th st S	Brick	12	12	12	2.57	2.60	2.57	
Blaidell av	24th st	25th st	Cresosoted wood	28	30	30	2.57	2.56	2.56	
Blaidell av	Elroy st	Lake st	Cresosoted wood	28	30	30	2.60	2.63	2.60	
Broadway at Calhoun Blvd	Tyler st	Johnson st	Brick	38	40	40	4.92	2.23	2.69	
Chicago av	Lake st	Dean Blvd	Concrete	24	28	28	1.18	1.13	1.13	
Clinton av	14th st	Franklin av	Cresosoted wood	15.2	20.14	46	2.55	2.48	2.48	
Clinton av	22d st	24th st	Cresosoted wood	28	30	30	2.32	2.48	2.30	
Crosador av	Lake st	City limits	Concrete	16	40	40	1.40	1.38	1.40	
8th st S	Nicollet av	Hennepin av	Cresosoted wood	25.4	38	38	2.00	1.98	2.00	
18th av N	Washington av	Elwood	Cresosoted wood	40	40	40	2.50	2.50	2.50	
18th av N	Humboldt av	City limits	Macadam	30	32	32	1.45	1.49	1.45	
11th av N	Irving av	Knox av	Macadam	30	32	32	1.48	1.53	1.46	
Farwell av	Sheridan av	Thomas av	Macadam	28	30	30	1.85	1.35	1.41	
1st av N	4th st N	City limits	Asphalt	17.4	50	50	4.26	3.11	3.11	
4th st N	20th av N	21st av N	Cresosoted wood	30	32	32	2.50	2.53	2.50	
14th av N	1st st	2d st	Granite	20	30	30	1.43	2.00	1.43	
14th av N	Oliver av	Penn av	Macadam	30	32	32	1.45	1.49	1.45	
142d av N	Bridge over river	City limits	Cresosoted wood	34	36	36	1.66	1.37	1.66	
Oliver av N	Plymouth av	20th av N	Concrete	30	32	32	1.44	1.44	1.44	
Hennepin av	10th st	11th st	Cresosoted wood	15.2	48.8	64	2.25	1.828	1.828	
Hennepin av	31st st	39th st	Cresosoted wood	30	32	32	2.50	2.49	2.50	
E Island av	Central av	N line lot 5 Nicollet Island	Cresosoted wood	28	30	30	2.66	2.66	2.66	
E Lake st	20th av S	River	Cresosoted wood	15.2	3	50	3.45	1.102	1.102	
Monroe st	Broadway st	13th av NE	Cresosoted wood	30	30	30	2.35	2.37	2.35	
13th av N	Thomas av	Xerxes av	Concrete	34	36	36	1.21	1.67	1.21	
Oliver av N	Plymouth av	18th av N	Macadam	30	32	32	1.45	1.49	1.45	
Penn av N	Crystal Lake av	36th av N	Cresosoted wood	15.2	20.8	32.8	2.60	3.492	2.60	
Penn av N	Crystal Lake av	19th av N	Concrete	30	32	32	1.36	1.782	1.36	
Phillbury av	24th st	25th st	Cresosoted wood	30	32	32	2.57	2.58	2.57	
Pleasant st	University av	N. P. Ry	Cresosoted wood	25	30	25	2.42	1.226	2.42	
Plymouth av	Bridge over river	City limits	Cresosoted wood	34	34	34	1.90	9.35	1.90	
Plymouth av	Washington av	2d st N	Asphalt	42	42	42	7.6	331	7.6	
Richfield av	Calhoun Blvd	39th st	Concrete	16	30	30	1.30	1.60	1.30	
Sheridan av	Farwell av	30th st	Macadam	30	32	32	1.35	1.35	1.35	
Superior av	Hennepin av	Lyndale av	Cresosoted wood	32	34	34	2.50	2.51	2.50	
Superior av	Lyndale av	Bridge	Concrete	10	34	34	1.23	3.487	1.23	
32d av N	Brownie Lake	City limits	Concrete	10	34	34	1.50	1.469	1.50	
32d av N	Washington av	2d st N	Asphalt	50	50	50	7.6	337	7.6	
16th av N	Queen av N	Russell av	Macadam	30	32	32	1.66	1.66	1.66	
3d av N	4th st N	5th st N	Cresosoted wood	50	50	50	2.83	2.83	2.83	
33d st S	7th av S	8th st	Asphalt	50	50	50	6.8	658	6.8	
10th av S	6th st	8th st	Cresosoted wood	15.2	10	34.8	2.50	2.50	2.50	
10th av N	Irving av	Knox av	Macadam	20	28	28	1.45	1.48	1.45	
12th av N	Thomas av	Wasburn av	Macadam	18	20	20	1.45	1.54	1.45	
E 24th av	Clinton av	4th av S	Cresosoted wood	28	30	30	2.52	2.46	2.52	
E 26th st	Nicollet av	Park av	Cresosoted wood	642.34	50	34	2.38	2.37	2.37	
W 26th st	Hennepin	Lake Calhoun	Concrete	10	10	10	1.59	1.348	1.59	
University av SE	Central av	1st av NE	Cresosoted wood	5.1	30.9	36	2.35	4.03	2.35	
University av NE	1st av SE	3d av SE	Asphalt	40	40	40	7.6	733	7.6	
Upton av N	12th av N	Plymouth av	Macadam	28	30	30	1.53	1.54	1.53	
Vincet av	12th av N	Plymouth av	Macadam	28	30	30	1.51	1.54	1.51	
*Washington av	3d av S	12th av S	Cresosoted wood	15.2	48.5	64	2.60	3.699	2.60	
Western av	7th st N	Railway bridge	Cresosoted wood	15.2	26.8	42	2.10	2.10	2.10	
Total							64,117	3,168.10	22,296.40	\$19,973.35

\*\$6,897.27 from good roads. †To be assessed in 1914. ‡Assessed in 1912. §No assessment. ¶\$2,250 from good roads. \*\*To be finished in 1914. \*\*\*\$2,033 from good roads. \*\*\*\*\$19,973 from C. M. & St. P. Ry.

1914 annual reports

1915 annual reports

1916 annual reports

See Table on page 74 for new pavements in 1916

- 2<sup>nd</sup> Ave N – 1<sup>st</sup> Street N to 2<sup>nd</sup> Street N .....4" creosote to replace (1904) sandstone on sand
- 2<sup>nd</sup> Ave N – Washington Avenue to 4<sup>th</sup> Street N .....4" creosote to replace (1902) sandstone on sand
- 3<sup>rd</sup> Avenue N – 1<sup>st</sup> Street N to 2<sup>nd</sup> Street N .....granite to replace (1902) sandstone on sand
- Washington Avenue N – 3<sup>rd</sup> Avenue N to 24<sup>th</sup> Avenue N.....asphaltic concrete to replace (1901) brick
- from 3<sup>rd</sup> Avenue N to 4<sup>th</sup> Avenue N and (1900) from 8<sup>th</sup> Avenue N to 14<sup>th</sup> Avenue N

1917 annual reports

See Table on page 98 for new pavements in 1917

4<sup>th</sup> Street N - 1<sup>st</sup> Avenue N to 3<sup>rd</sup> Avenue N.....4" creosote wood to replace sandstone on sand (1905)

1918 annual reports

See Table on page 74 for new pavements in 1918

3<sup>rd</sup> Street N - 7<sup>th</sup> Avenue N to 10<sup>th</sup> Avenue N....4" brick

TABLE No. 6  
PAVING LAID DURING THE SEASON OF 1918

STREET	FROM	TO	KIND	Width Paved by Street Railway Feet	Width Paved by City Feet	Width of Roadway Feet	Rate of Assessment Per Square Yard \$	Cost Per Square Yard \$	Length Paved in Feet	Square Yards Paved by Street Railway	Square Yards Paved by City	Cost of Paving Laid by City	Amount of Assessment
Alley in Aud. Sub. No. 30	12th st.	Mary Place	3" Brick		20.0	20.0	3.01	\$3.01	433.8		977.7	\$2,941.51	\$2,849.26
Alley bet. Emerson and Fremont	6th av N.	11th av N.	7" P. C. Concrete		16.0	16.0	2.25	2.31	1,614.5		2,858.2	6,454.96	6,178.80
Alley bet. Fremont and Girard	6th av N.	11th av N.	7" P. C. Concrete		16.0	16.0	2.25	2.14	1,644.3		2,912.5	6,077.49	6,374.20
Alley bet. Hennepin & Holmes	Lake st.	31st st.	7" P. C. Concrete		11.9	12.0	2.10	2.21	584.0		759.2	1,840.01	1,560.86
Alley bet. Humboldt & Irving	22nd st.	24th st.	7" P. C. Concrete		14.6	14.0	2.08	2.08	598.2		860.2	1,944.17	
Alley bet. Irving and James	28th st.	29th st. & James	7" P. C. Concrete		13.4	14.0	1.96	1.95	1,036.6		1,551.9	3,005.22	2,915.06
"A," "C," Cedar av.	Lake st.	38th st.	3 1/2" creosoted wood	15.2	22.8	40.0		2.91	5,259.7		13,063.7	37,982.83	25,113.87
"A," "C," Chicago av.	Lake st.	Lake st.	3 1/2" creosoted wood	15.2	34.8	52.0		2.78	3,757.9		15,082.3	41,818.34	12,677.33
"B" Crystal Lake av.	20th st. N.	26th av N.	Asph. Con. Res. face		40.8	56.0		0.97					
					34.8	46.0		1.48	4,662.3		21,056.8	81,051.46	14,786.56
					32.8	40.0							
4th av S.	28th st.	Lake st.	3 1/2" creosoted wood	15.2	20.8	36.0		3.65	894.8	1,524.0	2,172.2	7,830.07	2,344.13
4th av S. widening.	10th st. S.	22nd st. E.	4" creosoted wood		4.0	40.0	4.08	4.05			2,074.5	8,402.33	7,483.65
"C" 14th st W.	Nicollet av.	Willow st.	3 1/2" creosoted wood		30.3	32.0		2.67	854.9		2,988.8	7,960.37	7,087.64
First av NE.	Univ. av NE.	4th st. NE.	4" brick		9.8	40.0	3.15	3.86	305.9		397.0	1,415.51	1,353.00
Fifth av N.	7th st.	Royalston av.	4" brick		34.0	36.0	2.93	2.93	414.1		1,558.4	5,335.10	4,818.54
"A" "C" Minnehaha av.	Lake st.	48th st.	3 1/2" creosoted wood	15.2	34.8	50.0		2.74	1,639.9		7,546.6	21,904.77	94,874.07
"A" 9th st S. widening.	Hennepin av.	Nicollet av.	4" creosoted wood		22.6	51.0		3.20			2,835.7	9,070.51	
2nd av S.	1st st. S.	Washington av.	Granite		50.0	50.0	2.80	2.80	663.2		3,779.6	10,612.16	4,823.60
2nd st S.	Marquette av.	3rd av S.	Granite		50.0	50.0	2.83	2.83	772.7		4,329.5	12,829.70	7,781.40
3rd av S.	1st st. S.	2nd st. S.	4" creosoted wood		50.0	50.0	3.44	3.45	903.5		3,231.3	11,121.77	5,975.00
3rd av N.	7th av N.	10th av N.	4" brick		50.3	52.3	2.94	2.94	1,455.2		8,556.8	23,136.08	20,965.11
10th av S.	38th st. E.	40th N.	7" P. C. concrete		30.0	32.0	Billed	3.05	37.5		125.0	381.37	
10th av SE.	Come av.	E Hennepin av.	3" brick		21.0	40.0	3.01	3.09	1,245.1		2,655.8	8,223.75	5,689.4
"B" 20th av N.	Lyndale av.	Crystal Lake av.	Asph. conc. Res. face.		40.8	56.0	0.97	1.48	2,625.1		11,961.4	17,638.42	9,577.97
23rd av NE.	Fillmore st.	Johnson st.	7" P. C. concrete		25.0	27.0	2.06	2.08	1,298.7		4,501.3	8,965.30	6,067.71
26th st E.	Park av.	Chicago av.	3 1/2" creosoted wood		32.0	34.0	3.44	3.44	572.3		2,230.1	7,871.00	6,980.77
"A," "C" 28th st W.	Pillsbury av.	Lake of the Isles.	3 1/2" creosoted wood		38.0	40.0							
					34.0	36.0		2.72	4,264.3		17,190.0	40,900.24	41,917.07
					32.0	32.0		2.82	1,327.0		8,045.8	22,870.52	16,365.03
Washington av S.	12th av S.	Cedar av.	3 1/2" creosoted wood		48.8	64.0	2.82	2.74	980.3		5,364.7	9,210.27	8,648.55
"C" Yale Place	12th st. S.	Willow st.	3 1/2" creosoted wood		30.0	32.0	2.70						

"A"—Ordered under the Elwell Law.

"B"—One half of cost assessed by Resolution of Council

"C"—Partly done in 1917.

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See Table on page 79 for new pavements in 1919. Pavement map on page 22

9<sup>th</sup> Avenue n – Washington Avenue to 4<sup>th</sup> Street N.....4" brick

1<sup>st</sup> Street N – 1<sup>st</sup> Avenue N to 3<sup>rd</sup> Avenue N.....granite on concrete to replace (1885) granite on sand

TABLE No. 6  
PAVING LAID DURING THE SEASON OF 1919 AND ASSESSED IN TAXES OF 1919

STREET	FROM	TO	KIND	Width Paved by Street Railway Feet	Width Paved by City Feet	Width of Roadway Feet	Rate of Assessment Per Square Yard	Cost Per Square Yard	Length in Feet	Square Yards Paved by Street Railway	Square Yards Paved by City	Cost of Paving Laid by City	Amount of Assessment
Alley between	Park & Columbus	32nd to 33rd	Concrete		12.0	12.0	\$2.64	\$2.64	533.1		718.1	\$1,895.8	\$1,810.16
Alley between	Park & Oakland	32nd to 33rd	Concrete		12.0	12.0	2.64	2.64	620.9		849.3	2,218.59	2,093.00
Cedar Av	48th st	52nd st	Concrete		36.0	40.0	1.78	1.78	2,742.5		10,922.8	19,396.25	8,817.41
(a) (d) Cedar av	38th st	48th st	3 1/2" creosoted wood		22.0	40.0	4.00	5.13	6,481.0		14,688.3	74,051.03	49,326.37
Central av	Main st	2nd st SE	3 1/2" creosoted wood		56.0	56.0	3.98	3.98	391.2		2,495.8	9,934.79	7,291.82
Emerson av	5th av N	Plymouth av	Asphaltic concrete		30.0	32.0	2.38	2.38	3,280.6		11,787.0	28,088.76	24,352.63
(b) (d) 8th av NE	2nd st NE	5th st NE	3 1/2" creosoted wood		34.0	36.0	4.0		763.0		3,040.3	13,100.33	13,839.91
(b) (c) (d) (f) 5th st S	Henn. av	Nicollet av	3 1/2" creosoted wood		22.2	48.0	3.00				1,355.3	3,844.64	15,277.70
15th av N	Wash. av N	2nd st N	Concrete		30.0	32.0	2.13	2.13	319.0		1,202.5	2,567.62	2,414.92
1st st	3rd av N	6th av S	Gran. on Concrete		Irregular	Irregular	3.20	3.18	3,303.0		16,440.4	52,180.19	43,276.27
1st av S	Grant st	22nd st	3 1/2" creosoted wood		30.0	52.0	3.66	3.71	3,109.0		11,746.1	43,537.31	35,130.24
4th st	1st av N	4th av S	3 1/2" creosoted wood	15.2	32.0	52.2							
					50.0	50.0							
					34.8	50.0	3.22	3.22	2,386.0		11,674.3	37,581.09	27,445.42
15th av NE	Quincy st	Jackson st	3 1/2" creosoted wood		36.0	36.0	3.65	3.65	310.5		707.7	2,577.37	2,444.04
					47.2								
Hennepin av	Washington av	10th st	3 1/2" creosoted wood	15.2	48.8	64.0	3.12	3.12	3,153.0		17,939.1	55,951.16	43,509.73
					24.0	26.0							
(b) (c) Humboldt av N	6th av N	Plymouth av	Concrete		34.0	36.0	2.30		1,963.8		5,834.0	12,165.36	11,630.00
Jackson st	15th av NE	15th av NE	3 1/2" creosoted wood		38.0	38.0	3.55	3.65	147.4		572.8	2,081.08	1,864.27
					16.0	18.0							
					22.0	24.0	2.73	2.73	1,668.6		3,877.6	10,556.74	9,813.25
(b) (d) Johnson st	6th av N	11th av N	Asphaltic concrete		19.0	40.0	4.00		2,000.0		4,740.3	20,345.09	19,308.33
(b) (c) (d) (f) Mary Place	Lowry av	29th av NE	3 1/2" creosoted wood		Irregular	50.0	3.00				4,261.4	14,611.96	37,563.00
					40.0								
9th av N	Washington av	4th st N	Brick		39.0	40.0	3.35	3.35	658.0		2,952.4	9,885.88	8,243.54
					28.2								
Oak st	Wash. av SE	Univ. av SE	3 1/2" creosoted wood		38.3	43.5	3.92	3.92	666.0		2,011.6	7,881.78	5,032.61
Portland av	27th st	Lake st	3 1/2" creosoted wood		38.0	40.0	3.67	3.67	1,804.0		7,844.7	28,752.50	23,661.90
(e) Plymouth av	Humboldt av	Penn av N	3 1/2" creosoted wood	15.2	32.7	49.9	3.90	3.60	2,568.0		10,397.3	37,366.78	26,671.60
					26.0	30.0							
(b) Quincy st	Broadway	15th av NE	Brick		38.0	40.0	3.33		306.8		1,348.3	19,151.01	19,033.40

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**1920 annual reports**

See Table on page 15 for new pavements in 1920

10<sup>th</sup> Avenue N – 3<sup>rd</sup> Street N to 5<sup>th</sup> Street N.....4" VF brick to replace (1892) cedar block

**1921 annual reports**

See Table 8 on page 16 for new pavements in 1921

1st Street N - 3rd Avenue to Plymouth.....placed recut granite and replaced granite on sand

4th Avenue N - 2nd Street to Omaha ROY ..... placed recut granite and replaced granite on sand

3rd Street N - 3rd Avenue N to 3th Ave S.....replaced asphalt with 3.5" creosote block

**1922 annual reports**

See Table 5 on page 98 for new pavements in 1922

1st Street N - 3rd Avenue to Plymouth.....placed recut granite and replaced granite on sand....same project as in 1921

- (1891) granite on sand
- (1906) sandstone on sand

- (1915) sandstone on sand
- (1922) granite on concrete

2nd Street N - Hennepin Avenue to 1st Avenue N.....recut granite on concrete from granite on sand

1st Avenue N - Washington Ave to 7th Street

- (1904) sandstone on sand
- (1914) Asphalt resurface
- (1922) 3.5" wood block

2nd Avenue N - 5th Street N to 7th Street N

- (1901) 6th to 7th street - brick
- (1904) 5th to 6th street - brick
- (1922) 4" brick

### ***1923 annual reports***

See Table 8 on page 184 for new pavements in 1923

5th Street N - 1st Avenue N to Hennepin Avenue.....3.5" creosote block from (1896) asphalt on concrete base

5th Street N - Washington Ave to RR bridge..... 3.5" creosote block from (1904) sandstone on sand

2nd Street N - 1st Avenue N to RR Bridge.....recut granite from (1905) sandstone on concrete

### ***1924 annual reports***

See Table on page 14 for new pavements in 1924

No significant pavement replacement in project area

### ***1925 annual reports***

See Table on page 108 for new pavements in 1925

2<sup>nd</sup> Avenue N – 7<sup>th</sup> Street N to 8<sup>th</sup> Street N .....creosote block and brick

2<sup>nd</sup> Street N – 715' north of 5<sup>th</sup> Avenue to 1515' north of 5<sup>th</sup> Avenue.....granite

**1926 annual reports**

See Table on page 196 for new pavements in 1926

4<sup>th</sup> Street N – Bridge over tracks to 6<sup>th</sup> Avenue N.....4" brick to replace (1910) sandstone block

5<sup>th</sup> Avenue N – 4<sup>th</sup> Street N to 5<sup>th</sup> Street N.....4" brick

5<sup>th</sup> Avenue N – 2<sup>nd</sup> Street N to alley between 2<sup>nd</sup> Street and Washington Avenue.....4' brick to replace (1903) sandstone blocks

6<sup>th</sup> Avenue N – Washington Avenue to 5<sup>th</sup> Street N.....4" brick to replace (1911) sandstone blocks

Alley bet. 11th av S and 12th av S	36th st	37th st	7" concrete		12.0	12.0	2.02	2.82	244.8	330.7		833.47	771.79
Alley bet. Lake st and 31st st	Bloomington av	18th av S	7" concrete		12.0	12.0	2.86	278.8	375.1		1,000.36	*1,001.29	
Alley bet. Humboldt av S and Irving av S	26th st	27th st	7" concrete		14.1	14.0	2.63	2.63	684.9	1,082.8	2,843.42	2,721.15	
Alley bet. 27th av S and 28th av S	Lake st	31st st	7" concrete		16.5	16.0	2.64	2.84	489.4	911.5	2,401.49	2,292.22	
Alley bet. 29th av S and 30th av S	Lake st	End of alley	7" concrete		16.6	16.0	2.79	2.69	354.4	633.7	1,757.01	1,725.43	
Alley bet. Minnehaha av and 34th av S	37th st	34th av S	7" concrete		14.0	14.0	2.79	2.70	541.4	845.4	2,281.00	2,155.89	
Alley bet. 44th av S and 45th av S	34th st	35th st	7" concrete								**285.00	2,548.88	
Broadway st N E.	(a) Johnson st	Wilson st	4" brick	No. 1,235—20 yrs.	35.0	40.0		5.24	1,436.3	6,405.5	28,617.53		
4th st N	Bridge over tracks	6th av N	4" brick	No. 1,320—20 yrs.	36 & 42.5	36 & 42.5		4.13	686.3	3,377.9	13,959.23		
4th st S E	(b) Central av	2nd av S E	4" brick		10.3	50.0	6.67	6.71	364.5	435.9	2,926.12	2,592.00	
4th st S E and Oak st	(c) 15th av S E	University av	Crescoted blocks	No. 1,191—20 yrs.	3.0					495.9	4,079.92		
5th av N	4th st	5th st	4" brick	No. 1,236—20 yrs.	48.0	60.0		4.36	349.6	1,871.7	8,164.08		
5th av N	2nd st	Alley bet. Wash. and 2nd st	4" brick		50.0	50.0	5.13	5.13	143.3	909.9	4,666.59	4,617.00	
15th st N	Laurel av	Hawthorne av	3" brick		30.0	32.0	3.60	3.60	305.1	1,022.7	3,681.70	3,600.00	
41st st E	42nd av S	48th av S	3" brick	No. 1,414—20 yrs.	19.6	40.0		3.89	1,207.3	3,143.5	12,246.25		
43rd st W	Upton av	Vincent av	Asph. Con.	No. 1,332—10 yrs.	39 & 28	30 & 41		2.87	565.3	1,395.3	3,998.73		
Hennepin av E	16th av S E	25th av S E	A. C. Re-Surf.	No. 62—20 yrs.	25 & 40	40.0		2.37	2,340.8	9,573.5	22,680.40		
Hennepin av and Lyndale av	(d) Oak Grove st	Groveland av	4" brick		24.0	Indef.			603.0	1,579.6	11,700.41		
Hennepin av	(e) At Bridge Square	Lake st	4" brick		83.0	Indef.	3.42	3.42	78.6	591.2	2,021.18	1,701.90	
Holmes av	Lagoon av	Lake st	Asph. Con.		30.0	32.0	2.15	2.15	272.4	857.5	1,839.96	1,809.36	
Humboldt av N	26th av N	Lowry av	Asph. Con.	No. 1,432—20 yrs.	30.0	32.0		2.81	2,565.4	8,932.8	19,744.86		
Lowry av N	Washington av N	River bridge	A. C. Re-Surf.		4.0	40.0	1.85	1.85	1,426.8	6,559.1	12,157.94	10,226.09	
Nicollet av	(f) 48th st	50th st	Crescoted blocks	No. 679—20 yrs.	3.0					357.0	2,984.47		
Park av	14th st	28th st	A. C. Re-Surf.		36.0	36.0	1.55	1.55	6,255.1	28,083.4	43,603.17	33,732.44	
Pleasant av	20th st	Lake st	Asph. Con.	No. 1,417—10 yrs.	28.0	30.0		2.30	2,396.4	7,839.5	17,979.87		
Riverside av	27th av S	Franklin av	Asph. Con.	No. 1,425—20 yrs.	48.0	50.0		2.22	815.8	4,539.7	19,315.00		
Sheridan av	Lake Calhoun Blvd	W 49th st	Asph. Con.	No. 1,362—10 yrs.	30.0	32.0		2.21	1,285.7	4,454.9	9,826.71		
2nd st S E	Central av	2nd av S E	4" brick		38.0	40.0	4.05	4.05	339.3	1,510.8	6,123.71	5,632.74	
6th av N	Washington av N	5th st	4" brick	No. 1,489—20 yrs.	50.0	50.0		4.44	970.1	5,496.8	24,404.95		
16th st N	Hennepin av	Hawthorne av	3" brick	No. 1,456—20 yrs.	30.0	32.0		3.47	713.4	2,396.7	8,323.98		
16th st N	(g) Hennepin av	Angle bet. Hawthorne and 1st av N	4" brick	No. 1,310—20 yrs.	14.0	46.0			427.0	871.7	5,086.49		
13th av N E	River bridge	Ramsey st	4" brick re-surf.		26 to 30	43.0	3.10	3.07	630.9	2,168.3	6,652.81	5,768.74	
21st st W	Penn av	Thomas av	Asph. Con.	No. 1,412—10 yrs.	30.0	32.0		2.15	1,379.8	5,126.3	11,026.57		
25th st E	Columbus av	Chicago av	Asph. Con.		24.0	26.0	2.47	2.47	326.8	1,038.2	2,562.14	1,703.52	
26th av S	29th st	Minnehaha av	Crescoted blocks	No. 1,305—20 yrs.	46.0	48.0		4.21	233.7	1,197.3	5,038.40		
31st st E	28th av S	Minnehaha av	Asph. Con.	No. 1,413—10 yrs.	38.0	40.0		3.10	344.7	1,542.9	4,735.82		
38th av N	Penn av	Thomas av	3" brick	No. 1,314—20 yrs.	20.0	40.0		4.04	1,303.3	3,278.2	13,256.00		

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See Table on page 286 for new pavements in 1927

5<sup>th</sup> Avenue N – 3<sup>rd</sup> Street N to 4<sup>th</sup> Street N.....4" brick

5<sup>th</sup> Street N – R RY Bridge to 6<sup>th</sup> Avenue N.....4" brick

TABLE NO. 7  
PAVING LAID DURING THE SEASON OF 1927

STREET	FROM	TO	KIND	Elwell Law Number and Assessment Term	Width Paved by City—Feet	Width of Roadway—Feet	Rate of Assessment Per Sq. Yard	Cost Per Sq. Yard	Length Paved in Feet	Square Yards Paved by City	Cost of Paving Laid by City	Amount of Assessment
3rd av S.	34th st E.	38th st E.	Asphaltic con.	No. 1,482—10 yrs.	28.0	30.0	\$3.70	\$2.39	2,573.2	8,403.9	\$20,084.98	13,389.08
Portland av.	34th st E.	38th st E.	Asphaltic con.	No. 1,488—10 yrs.	38.0	40.0	2.70	2.28	2,575.5	11,430.3	28,111.91	17,407.46
42nd st E.	Cedar av.	Minnehaha av.	3" brick	No. 1,487—20 yrs.	38.0	40.0	4.00	3.79	7,192.0	21,146.5	80,225.26	53,483.50
Hoag av N.	5th av N.	6th av N.	3" brick	No. 1,457—20 yrs.	34.0	36.0	4.00	3.99	350.6	1,393.8	5,566.43	3,710.94
University av N E.	Lowry av N E.	R. Ry. Bridge.	3" brick	No. 1,469—20 yrs.	30.0	32.0	4.25	3.48	2,241.0	7,763.1	27,037.34	18,024.88
Girard av N.	26th av N.	Lowry av N.	Asphaltic con.	No. 1,551—10 yrs.	30.0	32.0	2.50	2.44	2,566.4	8,901.0	21,791.25	14,467.50
5th av N.	3rd st N.	4th st N.	4" brick	No. 1,239—20 yrs.	48.0	50.0	4.90	4.73	320.3	1,791.9	8,730.45	5,833.62
5th st N E at 22nd av N E.	3rd st N.	4th st N.	Asphaltic con.	No. 1,460			3.60	3.52	148.6	609.2	2,502.73	1,668.48
10th st S.	Nicollet av.	Hennepin av.	3" brick	No. 1,310	10.0	45.0	8.16	8.16	709.2	1,178.5	9,619.61	6,413.06
23rd av S.	38th st E.	42nd st E.	3" brick	No. 1,094	3.4	40.0	2.33	2.33	2,715.0	1,025.7	2,384.55	1,589.70
Alley, Snyder & Co's 1st Add Blk 13.	Marquette av.	End.	4" brick		16.0	16.0	4.78	4.89	324.4	576.7	2,819.86	2,622.71
Stevens av.	24th st E.	25th st E.	2" asphaltic con.		34.0	36.0	2.50	2.47	625.2	2,362.2	5,843.63	2,925.46
25th st E.	Stevens av.	3rd av S.	2" asphaltic con.		30.0	32.0	2.50	2.49	602.7	2,101.7	5,234.63	2,190.08
Hennepin av.	25 1/2 st W.	26th st W.	3" brick		5.0	50.0	7.42	8.16	268.5	195.5	1,350.09	1,228.05
Reservoir Blvd.	850' N of 37th av N E.	Reservoir	Mac. and 3" brick		11.0				4,909.1	5,950.9	47,717.38	47,717.38
5th st N.	R. Ry. Bridge	8th av N.	3" brick		20.0	34.0	2.59	2.59	4,865.8	12,501.7	10,469.57	
9th st S.	Marquette av.	4th av S.	3" brick		38.0	32.0	4.59	3.46	602.1	3,026.5	10,441.51	8,908.20
Huron av.	Hennepin av.	Lyndale av.	3" brick		18.5	50.0	6.48	238.3	505.1	3,276.30		
31st st W.	Hennepin av.	Irving av S.	Macedam		33.0	58.0	1.75	1.75	974.3	4,628.4	8,103.79	8,103.79
Eliot av.	29th st E.	Lake st E.	2" asphaltic con.		28.0	30.0	3.45	3.45	623.4	1,857.3	6,403.87	6,403.87
10th av S.	29th st E.	Lake st E.	2" asphaltic con.		30.0	32.0	3.08	3.08	605.1	2,604.5	8,019.77	5,346.50
29th st E.	Eliot av.	Alley bet. Eliot and Chicago.	12" asphaltic con.		28.0	29.0	2.64	2.64	138.5	447.9	1,182.53	1,182.53
Alley bet. 27th and 28th av S.	40th st E.	41st st E.	7" concrete.		14.3	14.0	2.62	2.62	626.1	1,043.2	2,633.22	2,156.05
Alley bet. 39th and 40th av S.	34th st E.	35th st E.	7" concrete.		14.0	14.0	2.92	2.92	623.3	1,045.3	3,054.71	2,664.75
Alley bet. 46th and 47th av S.	33rd st E.	34th st E.	7" concrete.		12.1	12.0	1.90	1.86	629.0	845.6	1,572.07	1,339.60
Alley bet. 31st and 32nd av S.	46th st E.	48th st E.	7" concrete.		14.0	14.0	2.87	2.62	629.0	892.0	2,577.34	2,331.20
Alley bet. 44th and 45th av S.	38th st E.	38th st E.	7" concrete.		14.0	14.0	2.90	2.89	627.1	976.9	2,826.84	2,413.26
Alley bet. 49th and 41st av S.	44th st E.	44th st E.	7" concrete.		14.0	14.0	2.82	2.82	618.3	934.3	2,799.40	2,444.82

1928 annual reports

See Table on page 373 for new pavements in 1928

No significant pavement replacement in project area

1929 annual reports

See Table on page 12 for new pavements in 1929

6<sup>th</sup> Avenue N – Washington Avenue to Washington alley west.....3" brick

STREET	FROM	TO	KIND	WIDTH		COST PER SQ.YD.	COST PER SQ.YD.	LENGTH PAVED FEET	SQ.YDS. PAVED BY CITY	COST PAVED BY CITY	AMOUNT ASSM'T	
				PAVED CITY FEET	ROADWAY FEET							
E. Bloomington Av.	1/2 way bet 42 M'haha & 43rd St.	E. Pkwy	3" Brick	13	44			4,651.6	6,204.4	25,827.36	***	
E. W. Broadway	Penn Av. N.	City Limits	2" A.C.	16	56	5.50	5.50	3,367.5	7,386.6	40,558.05	37,682.40*	
E. Chicago Av.	44th St. E.	M'haha Blvd.	3" Brick	35	52	3.50	3.50	4,248.4	15,863.1	55,528.09	46,372.37	
Colfax Av. N.	Hawthorne Av.	Laurel Av. N.	7" Concrete	45	32	3.26	3.26	289.5	1,431.3	4,666.79	4,260.55	
4th St. S.	5th Av. S.	8th Av. S.	3" Brick Resurf.	35	50	2.61	2.61	1,188.1	4,922.5	12,832.27	9,694.35	
E. 7. 44th St.	Upton Av.	France Av.	2" A.C.	34x40	36x40	2.31	2.31	3,619.3	15,138.8	34,902.40	26,079.60	
E. E. 46th St.	M'haha Av.	46th Av. S.	2" A.C.	54	56	2.61	2.61	1,782.2	11,703.2	30,550.43	11,684.40	
E. 10th St. S.	Nicollet Av.	Marquette Av.	3" Brick	14	54	9.10	9.10	332.6	580.5	5,282.69	3,157.40*	
E. 28th Av. S.	E. 42nd St.	M'haha Blvd.	3" Brick	20	40	4.02	4.02	3,676.1	8,457.3	34,025.94	27,261.73	
E. 34th Av. S.	M'haha Blvd.	51st St. E.	3" Brick	23	40	3.54	3.54	1,920.0	5,135.7	18,332.80	14,106.80	
E. 36th St.	Lyndale Av. S.	Chicago Av.	2" A.C.	30	32	2.41	2.41	6,304.6	23,871.9	57,566.73	41,451.40	
E. 7. 39th St.	Richfield Av.	Clowen Av. S.	2" A.C.	30	32	3.57	3.57	3,316.7	12,603.5	45,022.02	34,823.74	
E. Park Av.	34th St. E.	38th St. E.	2" A.C.	34	36	2.38	2.38	2,515.5	9,908.0	23,617.78	21,851.96	
46th Av. S.	46th St. E.	Godfrey Road	3" Brick	35	40	3.53	3.53	448.5	2,206.6	7,787.49	Not Ass'd.	
Lyndale Av. S.	Superior Av.	Vineland Place	3" Brick	54x56	54x55	2.09	3.70	1,101.0	7,157.7	26,453.69	5,064.82	
E. 25th St. 7.	Pleasant Av.	Lyndale Av.	2" A.C.	28	30	2.39	2.39	1,241.4	4,325.9	10,350.97	7,327.50	
6th Av. N.	Washington Av.	Alley-West	3" Brick	50	50	4.18	4.18	166.1	975.2	4,080.09	3,994.33	
E. University Av. S. E.	24th Av.	St. Marys Av.	3" Brick	27	70	4.70	4.70	1,506.2	5,358.7	25,209.50	21,854.52**	
E. University Av. S. E.	St. Marys Av.	E. City Limits	3" Brick Resurf	54	70	3.42	3.42	2,833.8	18,166.7	62,065.98	52,510.52	
Total									44,511.1	161,447.6	\$524,761.07	

Note:  
\* Widening  
\*\* Job Started in 1928 and Completed 1929.  
\*\*\* To be completed 1930.  
E. Elwell Jobs.

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**1930 annual reports**

See Table on page 99 for new pavements in 1930

5<sup>th</sup> Street N – 6<sup>th</sup> Avenue N to 11<sup>th</sup> Avenue N.....2" asphaltic concrete

5<sup>th</sup> Avenue N – Washington Avenue to 3rd Street N .....4" brick

STREET	FROM	TO	KIND	WIDTH		RATE	COST PER	LENGTH	SQ. YDS.		COST		AMOUNT
				PAVED BY CITY FEET	WIDTH ROAD- WAY FEET				PAVED BY CITY	PAVED BY CITY	PAVED BY CITY	PAVED BY CITY	
Aldrich Av. S.	Lincoln Av.	Franklin Av.	2" A.C.	28.0	30.0	2.55	2.52	564.7	1760.9	4432.07	1760.00		
Aldrich Av. N.	2nd Av. N.	Glenwood Av.	3" Brick	30.0	32.0	5.31	5.31	165.5	564.4	2996.36	2799.30*		
E. Bloomington Av.	40th St. E.	1/2 way bet 42&43 St.	2" A.C.mac	12.0	12.0	2.13	2.13	1599.5	7859.6	8613.41			
E. Bloomington Av.	1/2 way bet 42&43 St.	M'haha Blvd.	3" Brick	12.8	44.0	3.99	3.99	3651.5	5058.1	20181.02**			
Bryant Av. S.	Lincoln Av.	Douglas Av.	2" A.C.	34.0	36.0	2.55	2.37	659.8	2617.2	6204.96	5784.48		
E. Broadway St. N. E.	Mississippi River	Main St. N. E.	3" Brick	40.0	40.0	5.55	5.55	1247.2	6598.0	23330.39			
E. Broadway St. N.	Penn Av. N.	City Limits	2" A.C.										
		(widen)		9.2	56.0	5.55	5.55	155.9	170.0	943.28			
E. Bryant Av. S.	26th St. E.	28th St. E.	2" A.C.	28.0	30.0	2.16	2.16	1785.0	5689.4	12316.65			
Central Av. N. E.	13th Av. N. E.	18th Av. N. E.	2" A.C.										
		(Resurf)		44.8	60.0	1.12	1.12	1822.1	9248.8	10320.58	9539.04*		
E. Cedar Lk Road	Penn Av.	Superior Av.	2" A.C.	32.0	34.0	2.56	2.56	2149.9	6245.2	21115.06			
Elliott Av. S.	28th St. E.	29th St. E.	2" A.C.	30.0	32.0	2.40	2.40	520.1	1730.7	4150.41	4072.00		
E. Elliott Av. S.	Franklin Av.	24th St. E.	2" A.C.	30.0	32.0	2.27	2.27	1242.4	4461.3	10110.76			
		(34% 36.0)						1573.3)					
Emerson Av. S.	Mt. Curve Av.	24th St. W.	2" A.C.	24.0	30.0	2.41	2.41	1198.5)	9397.1	22642.06	18857.93*		
Emerson Av. N.	Lowry Av. N.	33rd Av. N.	3" Brick										
		(Header)		3.4	43.0	3.84	3.84		259.1	995.14	472.80* ***		
Elroy St.	Blaisdell Av. S.	Pleasant Av. S	3" Brick	30.0	32.0	3.54	3.54	731.9	2569.0	9093.00	6872.25*		
		(40.0 40.0)						806.0)					
8th St. S.	11th Av. S.	15th Av. S.	2" A.C.	30.0	32.0	2.24	2.24	764.2)	6517.7	14611.11	12015.37*		
11th St. N.	Glenwood Av.	Holden St.	3" Brick	30.0	32.0	4.15	4.16	311.8	1071.0	4459.60	4152.00		
1st Av. N.	12th St. N.	M. St. L. R. R.	3" Brick	30.0	32.0	3.95	3.95	442.1	1523.7	6017.35	5533.76		
5th	Washington Av.	3rd St. N.	3" Brick										
		(Resurf)		35.0	50.0	2.93	2.93	322.4	1225.3	3591.85	3589.92		
E. 4th Av. S.	50th St.	3rd Av. S.	2" A.C.	14.0	20.0	2.15	2.15	1002.4	2170.1	4665.96			
E. 42nd Av. S.	42nd St.	46th St. E.	2" A.C.	30.0	32.0	2.27	2.27	2585.4	9006.6	2046.42			

### 1931 annual reports

See Table on page 9 for new pavements in 1931

No significant pavement replacement in project area

3<sup>rd</sup> Avenue N – 2<sup>nd</sup> Street N to 5<sup>th</sup> Street N.....2" asphaltic concrete

3<sup>rd</sup> Avenue Bridge.....2" asphaltic concrete

### 1933 annual reports

See Table on page 17 for new pavements in 1933

1<sup>st</sup> Avenue N – Washington Avenue to 9<sup>th</sup> Street N.....brick header with 2" asphaltic concrete

2<sup>nd</sup> Street N – 10<sup>th</sup> Avenue N to Broadway.....5' brick gutter with 2" asphaltic concrete

### 1934 annual reports

See Table on page 92 for new pavements in 1934

No significant pavement replacement in project area

