

## WATER MAIN BREAK/ JOINT LEAK REPORT - FEBRUARY 2022

### YEARLY WATER MAIN BREAK COMPARISON

<u>FEB 21</u>	<u>FEB 22</u>	<u>YTD 21</u>	<u>YTD 22</u>
17	22	34	45

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
925 E. Capitol Dr.	2/1/2022	299671	DIP	12"	1967	1/4" Hole	32 Days	523,685	\$3,184.00
NOTES: Break was found as the road was heaved up and used correlator to check. The break never surfaced. Duration is based on how heaved the road was and the amount of pitting on the pipe.									
600 E. Mitchell Ave.	2/3/2022	299845	DIP	8"	1978	4" X 1/16" Split	34 Days	1,765,006	\$10,731.24
NOTES: Break was found as there was a lot of ice built up on the road. Duration is based on soil saturation and ice/ water.									
3315 N. Durkee St.	2/3/2022	299846	DIP	12"	1978	1/4" Hole	34 Days	506,181	\$3,077.58
NOTES: Break was called in, there was ice built up on the road. Duration is based on the time of call and soil saturation until turned down.									
3201 E. Calumet St.	2/3/2022	299830	PVC	6"	1993	1/16" Crack	24 Hours	273,504	\$1,662.90
NOTES: Break was found as there was a lot of ice built up on the road. Duration is based on soil saturation and ice/ water.									
2209 S. Fountain Ave.	2/3/2022	299844	Cast.	6"	1960	1/32" Crack	34 Days	4,227,306	\$25,702.02
NOTES: Break was found as noise was heard on the hydrant. This never surfaced and was entering into the sewer. Duration went back to the beginning of the year.									

\*\*Water Loss is calculated at the residential rate of \$6.08 per 1000 gallons.

LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
42 Woodmere Ct.	2/4/2022	299989	CIP	8"	1962	1/8" Crack	24 Hours	825,158	\$5,016.96
NOTES: Break was called in as there was water on the road. Duration is based on the time of call and the soil saturation.									
1719 Schaefer Cir.	2/4/2022	299957	DIP	8"	1980	5" Hole	6 Hours	1,608,052	\$9,776.96
NOTES: Break was called in as there was water on the road. Duration is based on the time of call, the soil saturation, and amount of water.									
1619 E. Pershing St.	2/5/2022	303381	CIP	8"	1960	1/16" Crack	48 Hours	668,455	\$4,064.21
NOTES: Break was called in my resident. Duration is based on the amount of water/ ice on the road.									
1411 N. Briarcliff Dr.	2/6/2022	303382	CIP	8"	1964	1/4" Crack	6 Hours	364,672	\$2,217.21
NOTES: Break was called in by resident. Duration is based on the time of call and the amount of water/ ice on road.									
719 E. Taft Ave.	2/10/2022	303848	CIP	8"	1963	1/2" Hole & 1" Hole	41 Days	2,302,454	\$13,998.92
NOTES: Joint leak found as there was a big frost heave in the road and checked with correlator. Duration went back to the original break due to the size of the heave.									
W. Hickory Ct. & S. Bartell Dr.	2/10/2022	303873	CIP	6"	1956	1/8" Crack	6 Hours	116,038	\$705.51
NOTES: Break was called in my resident. Duration is based on the amount of water/ ice on the road.									
541 E. Calumet St.	2/10/2022	303845	CIP	6"	1920	1/8" Crack w/ 1" Hole	41 Days	21,974,190	\$133,603.08
NOTES: Break was found as there was noise on the hydrant. Water never surfaced as break was going directly into the storm drain.									

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LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
517 E. Pacific St.	2/12/2022	303918	CIP	8"	1968	1/8" Crack	7 Days	4,789,295	\$29,118.91
NOTES: Break was called in by resident. Duration is based on the amount of ice/ water on the road, that there was no frost when there should have been, and the underground trench.									
W. Eighth St. & S. Locust St.	2/12/2022	303917	CIP	6"	1937	1/4" Crack	7 Days	6,849,620	\$41,645.69
NOTES: Break was found as there was a sinkhole in the road. Duration is based on the amount of water running into the storm sewer and the size of the sinkhole.									
W. Weiland Ln. & N. Summit St.	2/14/2022	303964	DIP	8"	1969	1/4" Crack	6 Hours	334,227	\$2,032.10
NOTES: Break was called in by resident. Duration is based on the amount of water, mud, and ice on the road.									
2109 N. Oneida St.	2/16/2022	304033	CIP	8"	1940-1949	1/4" Crack	2 Hours	121,557	\$739.07
NOTES: Break was called in by a resident. Duration is based on soil saturation and time of call until it was throttled down.									
1036 S. Theodore St.	2/16/2022	303993	CIP	8"	1963	16" X 1/32" Split	75 Days	8,166,857	\$49,654.49
NOTES: Break was found as there was ice built up on the road and noise could be heard on the hydrant. Duration is based on the ice built up, soil erosion. This break didn't surface, was leaking into the sewer for a long time.									
708 N. Mason St.	2/17/2022	304126	CIP	8"	1928	1/2" Hole	49 Days	2,226,751	\$13,538.65
NOTES: Break was found as water was bubbling out of the valve box, ice was building up on the road, and noise could be heard on the hydrant. Duration is based on the amount of water and the deterioration of the old clamp.									
2633 S. East St.	2/18/2022	304169	CIP	8"	1966	1/8" Crack	8 Hours	230,639	\$1,402.29
NOTES: Break was called in by resident as water was bubbling up. Duration is based on the time of the call and the soil saturation.									

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LOCATION	BREAK DATE	WORK ORDER	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	DOLLAR VALUE OF WATER REVENUE LOSS**
1223 S. Theodore St.	2/18/2022	304168	DIP	8"	1975	2.5" Hole	6 Hours	356,346	\$2,166.58
NOTES: Break was called in by resident as water was bubbling up. Duration is based on the time of the call and the soil saturation.									
1137 E. Park Ridge Av.	2/20/2022	304380	CIP	8"	1969	4" Hole	3 Hours	600,000	\$3,648.00
NOTES: Break was called in by resident. Duration is based on the time of call until turned down.									
413 N. Cambridge Dr.	2/23/2022	304717	CIP	8"	1697	1/16" Hole	54 Days	50,246	\$305.50
NOTES: Break was found as noise was heard on the hydrant. Duration went back to the first of the year.									

In addition to the dollar value of water revenue lost, there is an average cost of \$9,000 to repair each water main break (including final restoration) and average cost of \$630 to produce the lost water for each main break.

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