

Ordinance No. 17.

Providing for the Construction of Sidewalks in the Village of South Jacksonville

Section I. Be it Ordained by the President and Board of Trustees of the Village of South Jacksonville, That all sidewalks hereafter constructed upon or along any street, alley or public ground in the village of South Jacksonville, Illinois, unless otherwise specially ordained by the board of trustees, shall be by special taxation of the lot, lots or parcels of land touching upon the line where any such sidewalk is ordered, by levying upon each lot or parcel of land touching upon and adjoining such sidewalk.

Sec. 2. All sidewalks hereafter constructed shall be by order of the board of trustees by ordinance, and such ordinance shall define the location of such proposed sidewalk with reasonable certainty and shall specify the width, length, and material of such sidewalk.

Sec. 3. That all sidewalks shall be constructed in the following manner:

Excavating—The location of the sidewalk shall be staked out under the supervision of the chairman of the committee on streets and alleys of the village of South Jacksonville and the lines and grades given. This tract shall be excavated to a depth of 9 inches below the finished grade line, and the material so excavated shall be disposed of by the contractor, and all soft and spongy places not affording a firm foundation must be dug out and tamped full of cinders or other material equally as good, and to the depth and width which may be necessary in the opinion of the chairman of the committee on streets and alleys or his representative, to remedy such defects.

On the sub-grade prepared as above shall be laid the foundation as follows:

Foundation—Foundation shall consist of 4 inches of crushed limestone, none of which shall exceed 1 ½ inches in its largest dimension, which shall be spread to a uniform depth and thoroughly tamped into place.

Concrete—Upon the foundation as above prepared shall be laid the Portland cement concrete sidewalk, which shall be 5 inches in thickness, constructed of 4 inches of concrete which shall be composed by measure of one part (1) Portland cement, two and one-half (2 ½) parts of sand and five parts of stone, all of which shall conform to the following specifications, and finished surface 1 inch in thickness which shall be composed of torpedo sand, none of which shall exceed ¼ inch in any dimension, and all shall be clean and free from loam or perishable material.

Method of Construction—Where the walks exceed 6 feet in width, it shall be laid in blocks so that the center line of the walk shall be the dividing line between the blocks; and the walk shall be so constructed in two different parts, laying the inner half of the walk first, and the outer half

after this is finished, in order that there may be no junction between the two lines of blocks. The walk shall be cut into squares or rectangles not exceeding 5x6 feet or squares in accord with the width of walk, and where different lines of walk meet, they shall join by mitred line, and one-half the mitre shall be constructed with one part of the walk, and the other half shall be constructed when the other line of the walk is constructed. All division lines shall be marked with an edger and the lines shall be true and even.

Provision shall be made for expansion joints, and all forms and frames shall be provided, and the walk shall pitch toward the curbing with a slope of $\frac{1}{4}$ of 1 inch per foot. The surface shall be troweled smooth and given a brush finish so that the same will not be glossy or slippery.

Cement—All cement shall be subjected to the following inspection and tests: It shall be so ground that 92 per cent. Will pass through a standard sieve having 10,000 meshes per square inch. It shall be tested for soundness by the boiling test for 12 hours. When mixed with 20 per cent. Of water by measure, shall take its initial set in not less than thirty (30) minutes; must not develop hard set in less than one (1) hour, but must set hard in less than ten (10) hours.

Briquettes of 1 inch square section shall develop the ultimate tensile strength as follows: Neat 24 hours in moist air, 200 lbs.; 7 days, 1 day in moist air, 6 days in water, 450 lbs.; 28 days, 1 day in moist air, 27 days in water, 600 lbs. One part cement, three parts sand, 7 days, 1 day in moist air, 6 days in water, 200-300 lbs. Samples of cement which is proposed to be used in the work shall be submitted to the chairman of streets and alleys or his representative, in such quantities and at such time and place as to make all the required tests.

The trustees of the village of South Jacksonville reserve the right to reject, without recourse, any cement which does not meet fully all required tests aforesaid.

Sand—The sand to be used in making the concrete shall be clean, free from dust, loam and other perishable material, and of sizes ranging from one-eighth ($\frac{1}{8}$) inch down to the finest, in such proportions that the voids as determined by saturation, shall not exceed thirty-three (33) per cent. of the entire volume, and it shall weigh not less than one hundred (100) pounds per cubic foot. No wind drifted sand shall be used. The sand when delivered on the street shall be deposited on good lumber flooring, or otherwise kept clean until used.

Stone—Stone used in making the concrete shall be of the best quality, hard ledge limestone with all dust screened out, and in sizes measuring from $\frac{1}{4}$ inch to not more than 1 inch in any dimension, and when delivered on street shall be kept clean until used, or if allowed to become dirty, it will be required to be washed before being used.

Grade and Line—The sidewalk to be constructed at the grade and on the line established by the board of trustees and laid out by the chairman of streets and alleys or his representative. Care must be taken to have the top lines of the work straight and parallel, the surface of each stone being a plane, unless otherwise ordered and directed.

Mixing and Laying Concrete—The concrete shall be mixed on movable water-tight platforms of such size as shall accommodate the manipulations hereinafter specified.

The cement, sand and stone shall be mixed on movable water-tight platforms of such size as shall accommodate the manipulations hereinafter specified.

The cement, sand and stone shall be mixed in the following proportions: One (1) part cement, two and one-half (2 ½) parts sand and five (5) parts stone. The sand and cement shall be thoroughly mixed dry, to which sufficient water shall be added and then made into a stiff mortar. The stone after having been sprinkled with water shall be immediately incorporated in the mortar and the mass thoroughly mixed by turning over with shovels, hoes, or mechanical mixers, at least three (3) times, or until each particle of stone is thoroughly covered with mortar.

The concrete shall be removed from the platform or machine and placed on the foundation in such quantities that after being rammed in place the layer shall be of the required thickness, four (4) inches, and the upper surface shall be true and 1 inch below and parallel with the top of the finished walks. The second or finishing layer, 1 inch in thickness, composed of one part Portland cement, one and one-half (1 ½) parts torpedo sand, to be put on before the first layer has set, troweled smooth and given a brush finish so that the same will not be glossy or slippery and pitched toward the curbing with a slope of ¼ of 1 inch per foot.

Expansion Joints—Expansion joints shall be provided of 1 inch between the end of all sidewalks, and the curb, and ½ inch for each 50 feet of walk, shall be provided and located by the chairman of street and alleys or his representative, and joints shall be made by inserting ¼ inch iron strips, 5 inches in width which shall be withdrawn after the walk has set and the blocks marked. All expansion joints to be filled with asphalt.

Contractor must see that this work is protected from abuse from all source, he must at the close of the day's work have a watchman look after the work until the cement is set sufficiently to prevent damage being done by boys or otherwise. If any of the surface is broken or scratched in any manner, he must, on the order of the chairman of streets and alleys or his representative, take up and replace the same at his own expense without cost to the owners.

Sec. 4. Said sidewalk shall be constructed under the direction and supervision of the chairman of streets and alleys or his representative of said village, and it shall be the duty of said chairman or his representative within twenty (20) days after the passage of any ordinance, authorizing and ordering the construction of sidewalk, to have the line for the sidewalks and the grade line therefor established, properly designated; and it shall be the duty of the clerk for the said village of South Jacksonville, within ten (10) days after the line and grade of said sidewalk shall have been staked out and designated, to serve a written or printed notice upon the owner of such lot or parcel of land abutting or contiguous to such sidewalk, instructing said owner to construct a sidewalk in accordance with the terms of this ordinance, within thirty (30) days after the date of such notice; or in default thereof, such sidewalk shall be constructed by the village of said South Jacksonville, and the whole cost thereof, including labor and materials and supervision, will be charged against such lot or parcel of land as special tax.

Sec. 5. All sidewalks hereafter constructed under this ordinance shall be constructed in accordance with "An Act of the General Assembly of the State of Illinois, entitled 'An Act to Provide Additional Means for the Construction of Sidewalks in Cities, Towns and Villages,'" approved April 15, 1875, and in force July 1, 1875, and the amendments thereto.

Sec. 6. All ordinances or parts of ordinances in conflict with the provisions of this ordinance, are hereby repealed.

Passed at an adjourned meeting of the Village Board this 10th day of January, A.D. 1912.,

Approved this 10th day of January, A.D. 1912.

HERMAN WEBER, President.

(L.S) Attest:

CHAS. W. BOSTON, Clerk.

Published Feb. 9, 1912