

Ordinance No. 907

AN EMERGENCY ORDINANCE to amend and reordain subsection (2), Section 28-4, Article I, Chapter 28 of The Code of the City of Alexandria, Virginia, 1953, as amended, which subsection (2) relates to SIZE, DESIGN, STANDARDS, AND METHOD OF CONSTRUCTING STREETS, which Section 28-4 relates to CONDITIONS PRECEDENT TO OPENING OR DEDICATING STREETS AND ALLEYS OR CONSTRUCTING SEWERS OR DRAINS IN FUTURE SUBDIVISIONS, which Article I relates to STREETS AND SIDEWALKS GENERALLY, and which Chapter 28 relates to STREETS AND SIDEWALKS.

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That subsection (2), Section 28-4, Article I, Chapter 28 of The Code of the City of Alexandria, Virginia, 1953, as amended, be and the same hereby is amended and reordained to read as follows:

(2) a. **Sizes and Grades**

Such streets and avenues must be at least fifty feet in width between property lines and thirty feet in width between curb lines; such alleys to be at least sixteen feet in width between property lines and to be paved for at least ten feet in width in residential areas and to full width in commercial and industrial areas; grades and gradients to be established by approval of the Director of Public Works; such streets and avenues to be constructed according to the requirements hereinafter specified.

b. **Design Methods**

The method to be used for determining thickness of subbase, base and wearing course shall be the "California Method" as set forth on page 3-76 of the second edition of a book entitled, "Data Book for Civil Engineers, Volume One, Design," written by Elwyn E. Seelye. Values of California Bearing Ratios used in the design shall be determined by field and/or laboratory tests as outlined in d below.

c. **Design Wheel Loads**

For purposes of design the following wheel loads and types of streets shall be used:

TYPE OF STREET	WHEEL LOAD
Residential Cul-de-sacs	4000 lb.
Residential Streets not feeder or through Streets	7000 lb.
Residential through Streets	10000 lb.
Arterial Streets—Commercial and Industrial Streets	12000 lb.

Determination of street classification under this schedule shall be made by the Director of Public Works.

d. **Required Tests**

Tests required for determination of design shall be conducted by a commercial testing laboratory approved by the Director of Public Works and at the expense of the City. Such tests shall consist of Atterburg Limit tests, California Bearing Ratio tests (laboratory and/or field tests as required), Optimum

Moisture tests, Field Density tests (compaction), and such other tests as may be indicated. Where soils similar in characteristics to soils previously tested are encountered, the Director of Public Works may dispense with such of the above tests as in his opinion are unnecessary for proper determination of C.B.R.S.

e. Inspection and Testing Charges

The owner or developer of property involving the installation of public improvements shall pay to the City, prior to commencing such improvement, a fee for inspection and tests based on the following: for curb and gutter, sidewalk, storm sewers and sanitary sewers, 2½ per cent of the estimated cost of such improvement; for streets and alleys, 3 per cent of the estimated cost of such improvement. Estimates of cost shall be made by the Director of Public Works based on contract prices then in effect on City contracts, or in the absence of such contracts, on comparable prices current in the construction industry in the area.

f. Minimum Standards

In the design of streets under the provisions of this section, streets designed to carry wheel loads of 10,000 pounds and over shall have a designed wearing surface not less than four inches in thickness if constructed as flexible pavements; if constructed over a rigid base, such wearing surface shall be not less than two inches in thickness; streets designed to carry wheel loads less than 10,000 pounds shall have a wearing surface not less than two inches in thickness. Such wearing surface (except in the case of streets having a finished cement concrete surface) shall consist of one inch of Type I-3 or F-I Bituminous Concrete and sufficient Type H-2 Bituminous Concrete (Virginia State Highway Specifications 1954). Alley paving shall consist of not less than six inches of Portland Cement Concrete, Class P (Virginia State Highway Specifications 1954).

g. Permit Required by Contractors

All work done in the installation of public improvements in the City of Alexandria shall be done under the supervision and inspection of the Director of Public Works, and shall be done by qualified contractors duly registered under the laws of the State of Virginia. Prior to beginning any work on public improvements in the City, such contractor shall apply for and, if properly qualified, shall receive a permit from the Director of Public Works to proceed with such work; such permit shall be issued without charge.

Section 2. In the opinion of the City Council an emergency exists and this is declared an EMERGENCY ORDINANCE for the reason that the season for street construction is almost at hand and the City requirements for street construction should be strengthened prior to the construction season.

Section 3. This ordinance shall become effective the date of its passage.

LEROY S. BENDHEIM
Mayor

Final Passage: April 3, 1956