

# Village of Minooka

## Construction Standards for Concrete Sidewalks

The sidewalks shall be constructed in accordance with the requirements of the Standard Specifications for Road and Bridge Construction in Illinois, latest edition; all Federal and State statutes or regulations; Village of Minooka Subdivision Regulations; in addition, the following specifications shall apply. In case of discrepancy, the Village of Minooka Subdivision Regulations shall govern.

### **Concrete Sidewalk Specifications**

- Sidewalk shall be constructed in accordance with Section 424 of the Standard Specifications.
- Shall be four feet (4') or five feet (5') in width in residential zones as directed by the Village.
- Shall be a minimum of five inches (5") thick.
- If a public sidewalk crosses a driveway the minimum thickness shall be six inches (6") thick.
- Concrete shall be class SI.
- The base course shall be a minimum of four inches (4") thick of compacted CA-6 and shall be included in the price bid for concrete sidewalk.
- Form boards are required to be a minimum dimension of 2" x 6".
- The sidewalk shall be struck off, finished to a true and even surface with floats and trowels, leaving a smooth even surface.
- The surface shall be given a final finish by a brush drawn across the sidewalk at right angles to the edge of the walk, producing a uniform slightly roughened surface with parallel brush marks.
- The surface shall be divided by grooves constructed every five feet (5'), at right angles to the edge of the walk. These grooves shall extend to one quarter (1/4) the depth of the sidewalk and shall be no less than one eighth inch (1/8") nor more than one quarter inch (1/4") in width.
- The sidewalk shall be edged with an edging tool having a one-quarter inch (1/4") in width.
- One half-inch (1/2") full depth expansion joints consisting of preformed joint filler shall be placed between the sidewalk and adjoining sidewalks, driveways, ramps.
- Two number four 1/2" smooth tie bars 12" long, embedded 8" at all connections between new and existing sidewalks and ramps and curbs for 4-foot-wide sidewalks. Three number four 1" smooth tie bars will be required for sidewalks 5-foot-wide and greater. Bars shall be spaced a minimum of 6" from each other and 12" off each edge. A 1/2" plastic cap shall be placed on each end of the tie bar adjacent to the expansion joint.
- An IDOT APPROVED 1600-WHITE membrane curing compound shall be used to protect the sidewalk during curing.
- Handicap sidewalk ramps shall be constructed in accordance with section 424 of the Standard Specifications. The ramp shall be Type B and shall be required where ever sidewalks or bike paths meet curb and gutter Etc., railroad crossing etc.
- Cold weather protection shall be required if the ambient air temperatures drop below 32-degrees Fahrenheit and left on until an acceptable length time to allow for curing.

# Village of Minooka

## Construction Standards Miscellaneous

### **Public Safety**

- The Contractor shall notify the Village at least two (2) days in advance of starting of work.
- The Contractor shall provide, erect, and maintain barricades or needed traffic control devices to safeguard both traffic and pedestrians.
- It shall be the responsibility of the Contractor to notify and make arrangements with residents in the event project construction restricts driveway entrances.
- Immediately after the forms have been removed, traffic shall be excluded from crossing the concrete for a period of 48 hours. The contractor shall be responsible for any damage resulting from traffic within the 48 hours period and he/she shall remove and replace any concrete damage as directed by the Superintendent of Public Works.

### **Debris on Roadways and Restoration**

- The Contractor shall be responsible to maintain the construction site and cleanup spoils and debris by the end of each working day.
- Roadway surfaces along with any other traveled surfaces shall be cleaned daily.
- Protection shall be provided to any traveled surface and structures adjacent to the work site, including trees, shrubs, mailboxes, b-boxes, manholes, streetlight poles, etc.
- The Contractor shall be responsible for restoring areas that are disturbed by excavation. The restoration will consist of backfilling with a minimum of five (5") of pulverized topsoil, leveling area to finished grade, IDOT Class 1 Lawn mixture, and nutrients. Erosion control blanket is required at Veterans Park. This work shall be done according to Section 211, 250 and 251 of IDOT Standard Specifications and will be considered included in the cost of Sidewalk Removal and Replacement.
- All existing pavement removed due to the removal and replacement of combination concrete curb and gutter shall be replaced with a patch consisting of HMA Binder, as specified for pavement patching, at a minimum depth of nine inches (9"). Concrete will not be allowed to fill in the gap between the new curb and existing pavement unless it is poured separately.