



**SPECIAL PROVISIONS
FOR
BRICK/PAVER SIDEWALK WITH PAVEMENT BASE**

**Linn County
IMN-380-6(340)23--0E-57**

**Effective Date
December 15, 2020**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

150706.01 DESCRIPTION.

This specification specifies the requirements for constructing a Brick/Paver Sidewalk with Pavement Base.

150706.02 MATERIALS.

A. Pavement Base.

Use Class B Portland cement concrete (PCC) for sidewalks and recreational trails. Place according to Section 2301 of the Standard Specifications. The Contractor may use the approved paving mixture for the project. A Class 2 durability or better aggregate, according to Article 4115.04, will be required.

B. Bricks/Pavers.

Concrete per ASTM C 936, Standard Specification for Solid Concrete Interlocking Paving Units. Color selection and surface texture as approved by the Engineer.

C. Bedding Sand.

1. Gradation.

Sieve Size	% Passing
3/8 in.	100
No. 4	95-100
No. 8	85-100
No. 16	50-85
No. 30	25-60
No. 50	10-20
No. 100	2-10

2. Per ASTM C 33. Crusher screenings not allowed.

D. Brick/Paver Joint Filler.

1. Gradation.

	NATURAL SAND	MANUFACTURED SAND
Sieve Size	% Passing	% Passing
No. 4	100	100
No. 8	95-100	95-100
No. 16	70-100	10-100
No. 30	40-75	40-75
No. 50	10-35	20-40
No. 100	2-15	10-25
No. 200	0	0-10

2. Per ASTM C 144.

150706.03 CONSTRUCTION.

A. General.

Cross-section and patterns for installation of decorative brick pavers as specified in the contract documents or approved by the Engineer. Do not use broken pavers or materials with soiled or stained faces.

B. Sand Setting Bed.

1. Distribute bedding sand evenly over PCC base and screed to 1 inch thickness or per contract documents.
2. Use approved spreader method for spreading bedding sand. Surface variations must be within 3/8 inch when tested with a 10 foot straightedge.
3. Carefully maintain bedding sand in loose condition before and after screeding. Restrict pedestrians and equipment from screeded bedding prior to brick/paver placement. Protect from rain. Remove any incidentally compacted bedding and return to profile in a loose condition.
4. Place and screed only the amount of bedding sand that will be paved the same day. Remove, loosen and rescreed unpaved bedding left overnight.

C. Paver Installation.

1. Clean pavers of stains and foreign material prior to usage. Do not use chipped, damaged or discolored pavers.
2. Place pavers according to patterns specified in the contract documents.
3. Place chalk or string lines on bedding course to maintain straight joint lines.
4. Install pavers from a minimum of three bundles simultaneously to assure dispersion and blending of color variations.
5. Place pavers hand-tight and maintain straight joint lines.

6. Use trimmed or cut pavers only along outer pavement boundaries or adjacent to manholes or other features within the pavement area.
7. Cut pavers with a double blade paver splitter or masonry saw.
8. Clean debris from pavement prior to compaction and inspection. Inspection will be made to identify damaged pavers, inadequate color blending, and irregular joint lines. Contractor shall remove and replace pavers as required.
9. Compact bricks using a 3 to 5 ton roller or machine with a low amplitude, high frequency vibratory plate weighing a minimum of 100 pounds.

Compactor Size	
Paver Thickness	Compactive Force
2 3/8 inches	3000 pounds
2 3/4 inches	5000 pounds
3 1/8 inches	500 pounds

10. Use urethane plate compactor pad.
11. Compact pavement surface with a minimum of three passes prior to application of joint filler.
12. Reinspect pavers and remove and replace all damaged or misaligned units.
13. Sweep dry joint filler into paver joints until full. Recompact and repeat until joints remain full after compaction. Sweep and remove excess joint filler.

D. Quality Control.

1. Ensure final surface is within 3/8 inch deviation when tested with a 10 foot straightedge.
2. Ensure all surfaces have positive drainage.
3. Ensure surface elevation of pavers is 1/8 to 1/4 inch above adjacent drainage inlets, channels, and curb tops.
4. Ensure adjacent paver elevations deviate no more than 1/8 inch.

150706.04 METHOD OF MEASUREMENT.

The quantity of Brick/Paver Sidewalk with Pavement Base will be paid per square yard for the area of brick/paver sidewalk placed on a pavement base. The area of pavement base will not be measured separately. Area of manholes, intakes or other fixtures in the pavement will not be deducted from the measured area.

150706.05 BASIS OF PAYMENT.

The Brick/Paver Sidewalk with Pavement Base will be paid for at the contract unit price per square yard. The unit price includes, but is not limited to, subgrade preparation, modified subbase, pavement base, setting bed, setting the bricks/pavers, installing weep holes and associated materials, and sand joint filler.