

SECTION 215 – BRICK PAVEMENT CONSTRUCTION

1. GENERAL

This section covers the repair and reconstruction of brick pavements where called for by the specifications or where directed by the Engineer, and shall conform to the lines and grade set by the plans or Engineer.

2. PREPARATION OF SUBGRADE

Unstable subgrade material shall be removed, replaced and compacted with suitable backfill. Earth subgrade shall be prepared as specified in Section 102, entitled “Excavation and Embankment.” The subgrade shall be constructed to the elevations shown on the plans or as established by the Engineer.

3. PREPARATION OF BASE

The base material shall consist of a single course of portland cement concrete pavement (6”) placed upon the prepared subgrade. The concrete base shall be prepared in accordance with Section 205, entitled “Concrete Pavement” and Section 202, entitled “Portland Cement Concrete.” The surface shall be shaped to produce the “Typical Section” included in Section 50 or as directed by the Engineer.

4. PREPARATION OF BEDDING LAYER

The bedding layer shall consist of fine aggregate meeting the KDOT grading specifications for FA-A sand. The bedding layer thickness shall be uniformly spread over the base. The bedding layer shall be placed and screeded slightly higher than the final thickness of layer. The bedding sand should be compacted to a thickness of approximately ½ -inch. The moisture content of the bedding sand should be uniform and moist without being saturated. Stockpiled sand should be covered or protected to maintain uniform moisture.

5. BRICK PAVER PLACEMENT

The brick pattern shall match the pattern of existing brick with 1/8 inch to ¼ inch joint width on all sides. The brick should not be forced together, resulting in excessively tight joints. After the entire area is placed with whole bricks, the resulting spaces should be filled with bricks cut to fit. After bricks are in place, the pavement shall be vibrated with a mechanical vibrator/compactor. A plate compactor with a high frequency/low amplitude plate or a rubber roller mechanical vibrator shall be used. After the first pass is completed, jointing sand shall be spread on surface and on all subsequent passes prior to compaction. A minimum of three passes shall be made with compaction equipment. Compaction should not occur within 3 feet of any unrestrained edge.

The final surface elevation shall be flush with adjacent pavement. The maximum variation in level should be with +/- 3/8-inch in 10 feet. Pavers adjacent to drainage inlets and channels should not be lower than the drain level and not more than 3/16 -inch above it. The edges of any two adjacent pavers should not differ more than 1/16 -inch.

6. BASIS OF PAYMENT

The amount of completed and accepted work measured as provided above shall be paid for at the contract price bid per square yard for "Remove/Replace Brick Pavement." The unit price for "Remove/Replace Brick Pavement" shall be full compensation for furnishing and placing all material (EXCEPT furnishing brick pavers) for all labor, tools, equipment and incidentals to complete the work.

Broken brick pavers will be replaced by the City of Salina.