



**Traffic Range:**

No limitation on traffic volume, except for porous unit pavers. Unit surfacings are normally limited to low speed traffic applications.

**Life Expectancy:**

Life expectancy is similar to or longer than other paved surfaces.

**Unit Price:**

Material and installation costs for unit surfacings are generally higher than for other paved surfaces.

**Appearance:**

Unit surfacing products are available in numerous shapes and natural colors (brown, red, gray, etc.), and can be placed in various patterns to create a decorative surface or pattern.

**Advantages:**

Long lasting under moderate traffic;  
Decorative or historic appearance possible.

**Limitations:**

High initial cost; Poor to fair ride quality;  
Easily damaged by snow plow activity.

**Product Description:** Unit surfacings are composed of individual blocks, made from natural or manufactured materials, that are fit snugly together to form a road surfacing. Unit surfaces are typically supported on a layer of bedding sand or lean concrete, which is also used to fill the spaces between the individual blocks.



Brick paver surfacing.

Photo Courtesy of: Golder Associates Inc.

**Traffic Range:**

Typical AADT < 500 due to concerns with excessive wear. Brick pavers are normally limited to low speed traffic applications with speeds less than about 60 km/hr (37 mph).

**Life Expectancy:**

20 to 25 years or more under light traffic.

**Unit Price:**

Material & Installation: \$145 to \$185/m<sup>2</sup> (\$120 to \$155/yd<sup>2</sup>), including the bedding sand layer.

**Appearance:**

Brick pavers are available in numerous shapes and natural colors (brown, red, gray, etc.), and can be placed in various patterns.

**Advantages:**

Can accommodate heavy traffic loads; Historic and/or decorative appearance.

**Limitations:**

Price is typically higher than for PCC unit pavers; Typically limited to lower traffic speeds than unit pavers.

**Product Description:** Brick pavers are accurately dimensioned blocks constructed of kiln-fired clay, shale, or other similar earthy substance. The bricks are fit snugly together to form a road surfacing. Brick pavers are supported on a layer of bedding sand, which is also used to fill the spaces between the pavers.





Brick paver surfacing.

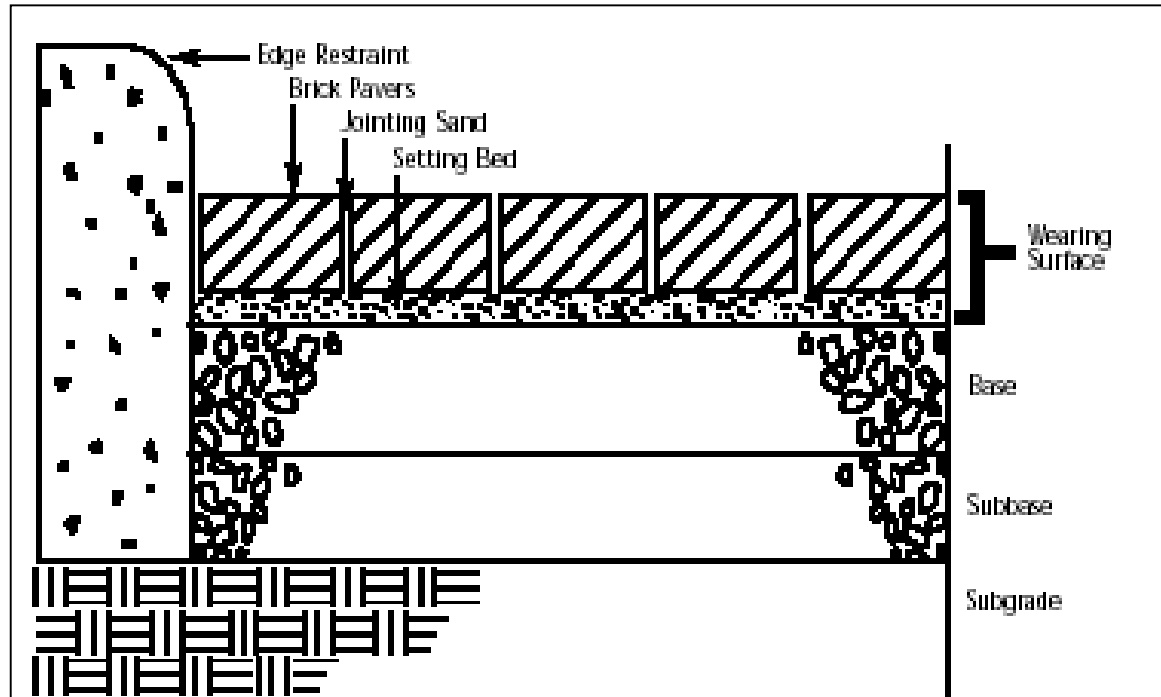
Photo Source: Golder Associates Inc.



Brick paver surfacing.

Photo Source: Golder Associates Inc.

# Brick Pavers



Typical brick paver detail.

Photo Source: Brick Industry Association



Natural stone paver surfacing.

Photo Source: Golder Associates Inc.

**Traffic Range:**

Typical AADT < 200. Natural stone pavers are normally limited to low speed traffic applications with speeds less than about 24 km/hr (15 mph).

**Life Expectancy:**

100 years.

**Unit Price:**

Material & Installation: \$300 to \$360/m<sup>2</sup> (\$250 to \$300/yd<sup>2</sup>).

**Appearance:**

Natural stone pavers can be produced in numerous shapes and natural colors (brown, red, gray, etc.), and can be placed in various patterns.

**Advantages:**

Long Lasting; Appearance compatible with historic settings.

**Limitations:**

Initial cost is higher than for other unit surfacings; Poor ride quality; Limited to lower traffic speeds than other unit surfacings; May pose a trip hazard for pedestrians.

**Product Description:** Natural stone pavers consist of irregularly sized, smooth natural stones or rock that is cut and shaped into regular sizes. Natural stone pavers fit together to form a road surfacing. They are supported on a layer of bedding sand or on a layer of lean concrete mix.