



Specifications for the SAFE-T Lane Bike Lane Divider™ Straight Units, Tapered End Units and Anchor Pins:

- **1.01 - Straight SAFE-T Bike Lane Divider™ - 1'6" Wide x 1'6" Tall x 10'0" Long precast concrete bike lane divider consisting of:**
 - (a) 5,000 psi (min.) Concrete in Standard Concrete Grey Color.
 - (b) Black (Uncoated) ASTM A615 Grade 60 Reinforcing steel for internal reinforcement.
 - (c) Black (Uncoated) ASTM A572 Grade 50 Steel for External Male & Female Slip-Lock™ Connectors.
 - (d) 2 Lifting points in Top of Divider Unit.
 - (e) Drainage slot in bottom of Divider running the length of the Divider Unit.
 - (f) Drainage slot in bottom of Divider running perpendicular through the Divider Unit.
- **1.01 - SAFE-T Bike Lane Divider™ Male & Female Tapered End Units - 1'6" Wide x 1'6" Tall x 4'0" Long precast concrete divider tapered end unit dividers consisting of:**
 - (a) 5,000 psi (min.) Concrete is Standard Concrete Grey Color.
 - (b) Black (Uncoated) ASTM A615 Grade 60 Reinforcing steel for internal reinforcement.
 - (c) Black (Uncoated) ASTM A572 Grade 50 Steel for External Male & Female Slip-Lock™ Connectors.
 - (d) 1 Lifting point in Top of Divider Unit.
 - (e) Each tapered end section has 1 round, recessed blockout running vertically through the unit for anchor pin installation.
- **1.02 - 30" Long Anchor Pins – Consisting of:**
 - (a) Plain (Uncoated) 1" diameter ASTM S449 steel pin.
 - (b) Overall length of pin is 31-1/4" including forged head of anchor pin.
 - (c) Anchor pin "head" to have 2 forged integral flanges/washers located at the top of the anchor pin for installation and removal.
 - (d) End of anchor pin to be pointed.
- **1.03 – Construction Requirements:**
 - (a) Locate and clearly mark all utilities within the installation area.
 - (b) Establish horizontal control and clearly mark the installation surface with a line indicating proper final alignment.
 - (c) Each Divider unit to be offloaded and installed with equipment capable of safely lifting 1,700 lbs.
 - (d) Each Divider to be set in alignment with horizontal control line.
 - (e) Set each unit by vertically lifting and then lowering and sliding the units together engaging the Male and Female Slip-Lock™ Connectors.
 - (f) Install anchor pins on installed units by sliding the steel anchor pins from the top through the 1-1/2" diameter Male Slip-Lock Connector and into the surface. Use

equipment (if necessary) to push anchor pin into the installation surface until the bottom head of the anchor pin head contacts and is flush with the top of the Male Slip-Lock connector.

(g) For straight runs, set each unit so that there are no gaps between adjacent units.

(h) For curved runs, open the joint with the adjacent unit and slide one unit horizontally until the concrete edges touch up.

(i) removal or replacement of units done by pulling the anchor pin vertically then vertically lifting the unit up.

- **1.04 – Method of Measurement:**

(a) Units to be measured in linear feet or per each and will include anchor pins.

- **1.05 – Basis of Payment:**

(a) Payment to be made per each installed or per linear foot installed including anchor pins.