

Performance Curbing



IMPACTrecovery
S Y S T E M S



SUPERIOR STRENGTH

Tuff Curb XLP is a low profile, high performance curbing system designed to withstand damaging high speed, high impact applications. XLP is made from solid colored, UV resistant, High Density Polyethylene. Despite its low profile design- 40”L x 8”W x 2”H and light weight- a mere 6 lbs, XLP is designed to withstand 20,000 lbs of static pressure-double the federal single axle vehicle maximum for a single wheel. To further ensure XLP’s durability, advanced computer Finite Element Analysis was also performed on the design. XLP has been federally accepted to 2009 MASH standards.

Couplers are available to create a “single piece” look along your curb.

INCREASED VISIBILITY

The combination of Tuff Curb XLP’s bright solid coloring and unique glass-element technology reflectors supply maximum visibility both day and night. Traditional reflectors only offer reflectorization from a straight-on light source. XLP’s reflectors far surpass the mandated 20° reflectivity levels required by the ASTM D4280 standard and offer reflectorization over 45° in each direction. These reflectors are also curved to highlight the profile of the curb and are highly resistant to breaking, scratching, chemicals and loss of reflectivity.

INNOVATIVE FEATURES

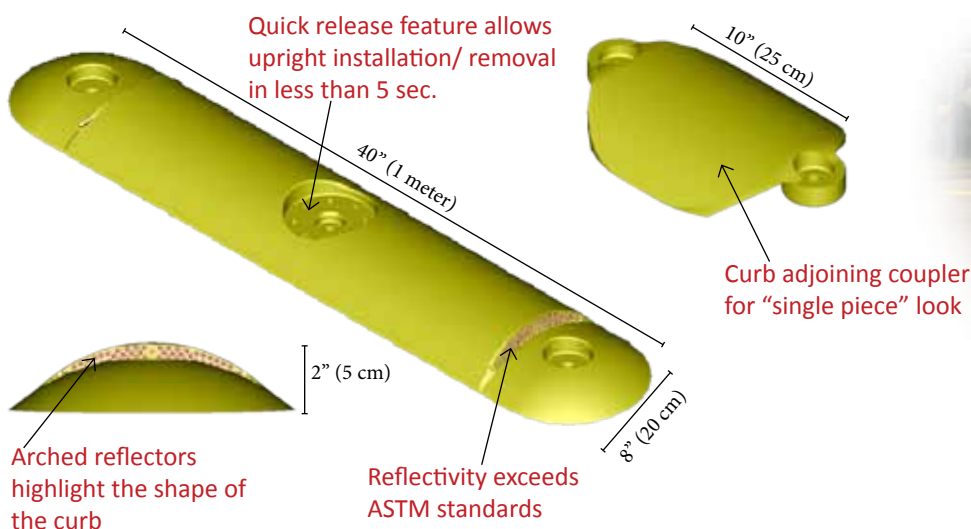
XLP’s single piece design means fewer pieces to contend with and decreased installation time and cost. In addition, XLP is compatible with Impact Recovery Systems’ full line of reboundable posts and panels. XLP does not have scuppers that can clog with dirt and debris that result in increased maintenance costs. Simply install curbing section 2-3” apart to allow for unimpeded water flow. XLP can be used along curved and tangent sections of roadway and can be installed via bolts or adhesives, further expanding its application possibilities.

HIGHLIGHTS:

- Low-profile
- High-impact
- Withstands 20,000 lbs of static pressure
- Curved glass-element reflectors
- MASH 2009 accepted
- Installation via bolts or adhesives

APPLICATIONS:

- HOV Lanes
- Toll Booths
- Bridges/ Tunnels
- City Streets
- Turn Restrictions
- Traffic Separation





TESTED, ACCEPTED AND APPROVED

Each Tuff Curb section is constructed of highly durable polyethylene. Uniquely designed ribs underneath are made to transfer the load to the road, thereby reducing stress on the mounting hardware. Tuff Curb's safety and durability has been tested by Texas Transportation Institute to 2009 MASH standards. Tuff Curb is also federally accepted. Tuff Curb is compatible with Impact Recovery Systems' reboundable spring mounted posts and panels, proven over and over again to be the most long lasting, durable traffic devices on the market. These two technologies together offer a superior curbing system.

ENHANCED PROFILE

Integral coloration that is resistant to UV damage and fading; as well as enhanced profile dimensional properties and 3M™ reflectors provide superior visibility and traffic separation both day and night. Tuff Curb does not require water scuppers that often clog with debris. Section spacing can be customized for local conditions in order to maintain natural water drainage.

QUIET ZONES

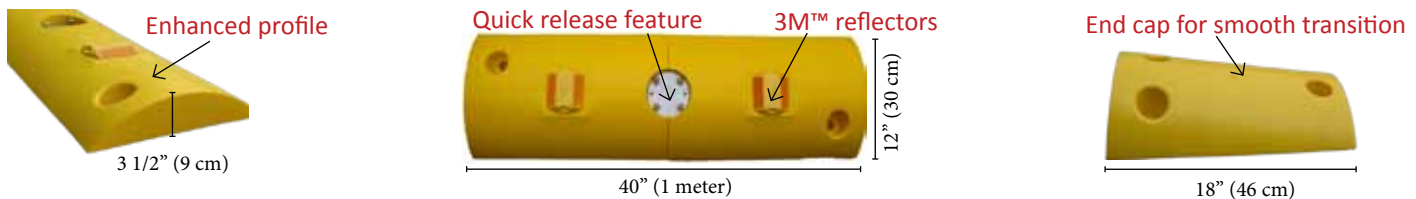
Tuff Curb is ideal for rail crossings to deter motorists from driving around the crossing arms when they are in the down position. Tuff Curb also complies with FRA 49 CFR 222 as a supplemental safety measure for use in quiet zones. Tuff Curb is lightweight and easy to install, with only two connection points to the pavement, resulting in reduced labor and installation times.

HIGHLIGHTS:

- Enhanced conspicuity
- 3M™ reflectors
- MASH 2009 accepted
- Complies with FRA 49 CFR 222
- Easy to install

APPLICATIONS:

- Channelization
- Edge Lines
- Turn Restrictions
- Medians
- Curves
- Rail Crossings



USAGE AND INSTALLATION

Please refer to IRS installation instructions for proper procedure

	Tuff Curb®	Tuff Curb® XLP	Notes
At-Grade Crossings	●	○	
Bike Lanes	✗	●	
Bridge Decks	✗	●	
Centerline Workzone	○	●	
Entrance/Exit Ramps	○	●	
HOV Lanes	○	●	
Parking Decks	✗	●	
Toll Booths	●	○	Slow Speeds
Toll Lanes / Plaza Channelization	○	●	High Speeds
Turn Lanes	●	○	
Urban Turn Restrictions	●	○	

	Tuff Curb®	Tuff Curb® XLP	Notes
20mm Plastic Sleeve Anchors (2)	●	✗	Asphalt
16mm Plastic Sleeve Anchors (2)	✗	●	Asphalt; Speeds <45mph
16mm Plastic Sleeve Anchors (3)	✗	●	Asphalt; Speeds 45 mph+
1/2" Wedge Bolt (2)	●	●	Concrete; Speeds <45 mph
1/2" Wedge Bolt (3)	✗	●	Concrete; Speeds 45 mph+
Epoxy	✗	●	
Super Bundy®	✗	●	Speeds <30mph

Key

Recommended ●
Not Recommended ✗

*Note: IRS highly recommends the installation of a post or panel on each curb section

Key

Suitable ○
Preferred ●
Not Recommended ✗

IMPACT recovery SYSTEMS

"Performance for a Safer Tomorrow"



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4955 Stout Dr. San Antonio, TX 78219
210.736.4477, 800.736.5256,
F: 210.734.6448
www.impactrecovery.com
customerservice@impactrecovery.com