

# SPECIFICATION FOR THE RUBBER SPEED BUMPS (Easy Rider)

## 1. Product Description

### 1.01. General description:

Rubber speed bumps are the traffic management devices used for permanent or temporary vehicle speed reduction to the range of 0 – 15 mph, or to enforce stopping of motor vehicles along designated street sections.

### 1.02. Manufacturer:

GNR Technologies Inc., 990 Upton, Ville LaSalle, Quebec, Canada H8R 2T9  
Phone (800) 641-4143, Fax (514) 366-6440

### 1.03. Materials:

Compression molded recycled rubber and polyurethane prepolymer composite with the following physical properties:

-ASTM C642	Density of 0.6 Oz/cu. In.
-ASTM D2240	Minimum durometer hardness of 65A +/-7
-ASTM D412	Minimum 250 psi tensile strength
-ASTM D395	Compression deformation of 10% at 70 psi and 68 deg. F
-ASTM D746	Low temperature brittleness of -40 deg. F
-ASTM C672	Freeze and thaw when exposed to de-icing chemicals producing no loss after 50 cycles
-ASTM C531	Coefficient of thermal expansion of $8 \times 10^{-6}$ in./in./deg. F
-ASTM D573	Weathering for 70 hrs at 150 deg. F produces the following results:
a.	Hardness retained: 100% +/- 5%
b.	Compressive strength: 100% +/- 5%
c.	Tensile strength: 100% +/- 5%
d.	Elongation: 100% +/- 5%

### 1.04. Dimensions of the manufactured models:

a)	72" long x 12" wide x 2.25" high	Total weight 51 lbs.
b)	48" long x 12" wide x 2.25" high	Total weight 32 lbs.

### 1.05. Product Features:

- resistant to warping, cracking, chipping and rotting
- flexible and capable of conforming to irregularities in paving surface
- finish: black body with yellow reflective parallelogram stripes
- "cat eye" reflectors imbedded for additional reflectivity
- channels at the bottom of 1.25 x 1.25" for drainage, piping and cabling

### 1.06. Warranties:

The GNR recycled rubber speed bumps are guaranteed for two years in normal traffic applications.