



GUARDIAN 5 (G5)

MASH TL-5 LONGITUDINAL BARRIER

Guardian 5 (G5) is a median and longitudinal barrier designed to safely capture and redirect a fully loaded 80,000-lb. vehicle. It is intended for use on roadways with high truck traffic, where drainage is a concern and as bridge pier protection. G5 is a cost-effective alternative to concrete barriers and meets all MASH TL-5 standards.



Reliability >>>
AT EVERY TURN



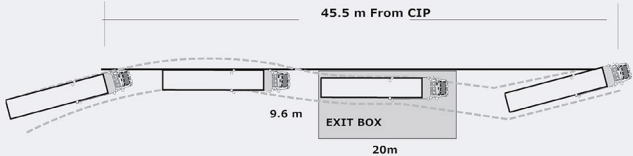
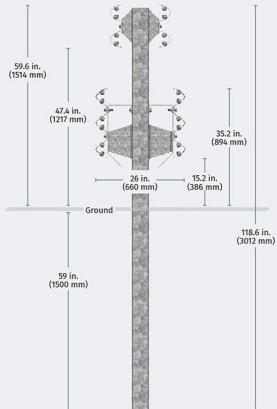
A softer, safer alternative to concrete

G5 FEATURES

- Meets MASH TL-5 standards
- Used for roadside or median applications
- Bi-directional median or longitudinal barrier
- Galvanized, high strength steel construction
- Direct driven in standard AASHTO strong soils
- Maximum dynamic deflection of 4'4"
- Working width of 5'5"
- Easy to install with standard equipment
- Integrated anchorage system within the length of barrier
- Open-bottom design allows for drainage and easy snow removal
- Common rail profiles are quickly replaceable after impact
- Transitions to standard AASHTO W-Beam or Thrie-Beam

SIMULATIONS FOR SPECIFIC ROADWAY APPLICATIONS

- Reduced post spacing
- Higher impact speeds
- Use with curbing
- Use with glare screening
- Direct transition to Ontario shape concrete median barrier
- Analysis of impact envelop; tractor vs. trailer



Test Level	Vehicle Type	Mass		Speed		Angle	Impact Energy	
		Kg	Lb	Km/h	MPH		kj	Kip-ft
MASH								
Test 5-12	Tractor Truck	36,000	79,400	80	50	15°	595	~440
Test 5-11	Pickup Truck	2,270	5,000	100	62	25°	156	-116
Test 5-10	Small Car	1,100	2,425	100	62	25°	75	-56



4100 13th St. SW, Canton, OH 44710 1-866-994-4929

Gregory Highway is a division of Gregory Industries

gregoryhighway.com