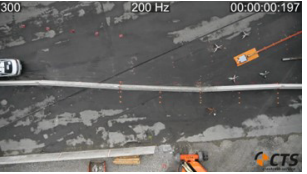
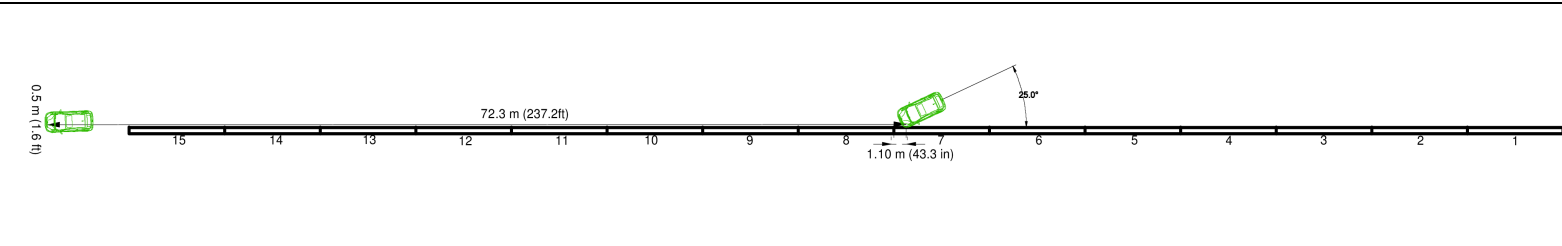


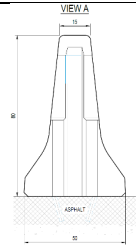
1. Sequential Photographs

				
-0.015 s	0.235 s	0.485 s	0.735 s	0.985 s

2. Plan View



3. Cross-Sectional View



4. General Information

Test Agency	crashtest-service.com GmbH (CTS)
Test Standard	MASH Test TL4-10
CTS-Test No	19984
Date	29-JUN-2023

5. Test Article

Type	Precast Concrete Barrier
Name	"REBLOC 80F_8"
Installation Length	120 m (393.7 ft)
Key Elements - Barrier	Length: 8.00 m (26.2 ft) Base: 0.50 m (19.7 in) Width: 0.80 m (31.5 in) Height:

6. Soil Type and Condition

Type of Soil	Asphalt
Soil Strength	---
Condition	cloudy, rainy, 25.1 °C (77.2 °F)

7. Test Vehicle

Type/Designation	1100C
Make and Model	Kia Rio IV, MY2020
Curb	1126 kg (2482 lb)
Test Inertial	1100 kg (2426 lb)
Dummy	75 kg (165 lb)
Gross Static	1175 kg (2591 lb)

8. Impact Conditions

Speed	100.5	km/h (62.4 mph)
Angle	25.0	degrees
Location/Orientation	1.10	m (43.3 in) before transition of 7/8

9. Exit Conditions

Speed	79.6	km/h (49.5 mph)
Angle	5°	degrees

10. Post-Impact Trajectory

Vehicle Stability	Satisfactory
Stopping Distance	72.3 m (237.2 ft) downstream 0.5 m (1.6 ft) laterally behind

Vehicle Snagging	No
Vehicle Pocketing	No
Maximum roll angle	-19.77°
Maximum pitch angle	-7.37°

11. Occupant Risk

Impact Velocity		
Longitudinal	5.38	m/s (17.7 ft/s)
Lateral	6.98	m/s (22.9 ft/s)
Ridedown Accelerations (10 msec avg.)		
Longitudinal	2.30	g
Lateral	14.48	g

THIV	8.05	m/s (26.4 ft/s)
PHD	26.91	g
ASI	1.89	

12. Test Article Damage

Classification	Moderate
Particularities	None

13. Test Article Deflections

Dynamic Deflection	0.44	m (17.3 in)
Permanent Deflection	0.44	m (17.3 in)
Dynamic Working Width	0.94	m (37.0 in)
Height of Working Width	0.00	m (0.0 in)

14. Vehicle Damage

Classification	Moderate	
VDS	11-LFQ-5	
CDC	11FDEW4	
Max. Exterior Deformation	89	mm (3.5 in)
Max. Interior Deformation	9	mm (0.4 in)
OCDI	ND0000000	