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Gibraltar Cable Barrier Systems, L.P.
320 Southland Drive
Burnet, TX 78611

Attention: Mr. Bill Neusch

Date: November 12, 2010

Mr. Neusch,

Based upon the testing performed on Thursday, November 4, 2010 at KARCO Engineering, LLC., the as-tested configuration, impacted at the center of the clear width opening, of the Gibraltar K12 Cable Restraint Barrier – 24 ft has received an impact rating of P1 at the M50 test level, based on the ASTM F 2656-07 standard test method. The M50 test level is rated using a 6800 kg test vehicle traveling at a nominal velocity of 80.5 km/h. The P1 penetration rating is given when penetration beyond the protected side of the barrier is less than 1.00 m at the lower leading edge of the test vehicle's cargo bed.

The K12 Cable Restraint Barrier completely arrested the test vehicle with a maximum dynamic penetration of 0.57 m, and a maximum static penetration of -1.40 m. The test vehicle was completely disabled by the impact with the test article.

Complete information relating to the test can be found in report number TR-P30115-01-NC from KARCO Engineering, LLC., including test article (K12 Cable Restraint Barrier – 24 ft.) specifications, test vehicle information, and test conditions. Also outlined in the test report are discrepancies/changes to the as-tested unit versus the supplied manufacturer drawings.

Sincerely yours,

Frank D. Richardson
President
KARCO Engineering, LLC.