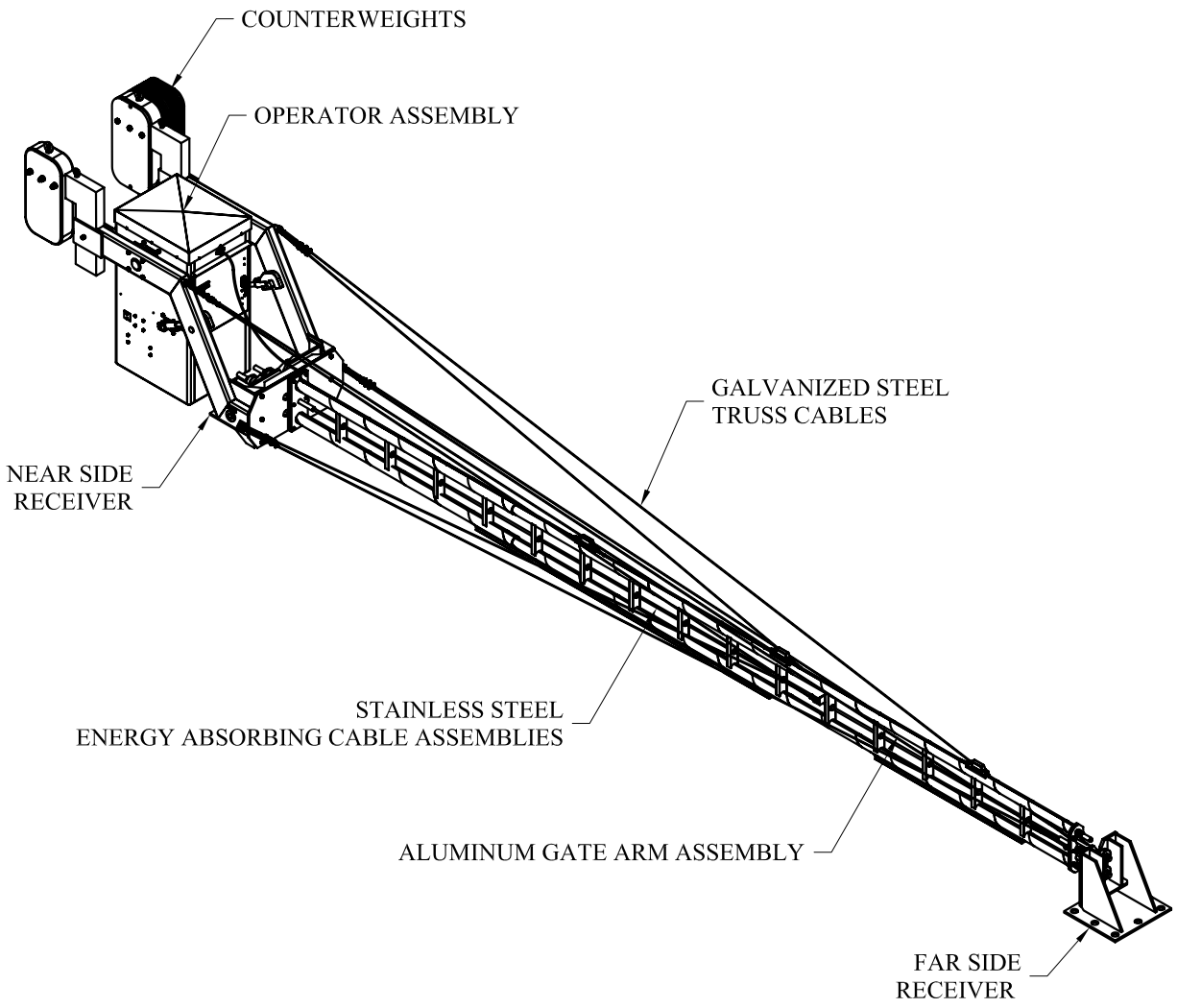

STOPGATE™ BARRIER ARM

ENERGY ABSORPTION SYSTEMS, INC.

SCI19

SHEET NO.	DATE:
1 of 2	8/3/05

INTENDED USE

The StopGate™ Barrier Arm can prevent vehicle intrusion onto railroad grade crossings, at speeds up to 44 mph [70 km/h]. When interconnected to standard railroad signal circuitry, the StopGate™ Barrier Arm closes the crossing when needed to provide for safe train pass-through. Based on initial costs, as well as projected costs of maintenance, the StopGate™ Barrier Arm can be an extremely cost effective method of separating the train and a vehicle.

The StopGate™ Barrier Arm operates like a standard automatic warning gate using the interconnect signal to raise and lower the arm. Unlike a standard crossing device, the StopGate™ Barrier Arm completely spans across the approaching roadway, and connects to locking devices on both sides of the road, thus creating a positive, crashworthy barrier that meets National Cooperative Highway Research Program (NCHRP) Report 350 TL-2 criteria.

Upon vehicle impact, the StopGate™ Barrier Arm acts as an arresting system to bring a vehicle to a complete stop.

The StopGate™ Barrier Arm has been designed, tested and meets the evaluation criteria of Test Level 2 (TL-2) conditions, as specified in NCHRP 350. The gate is capable of stopping a 4410 lb [2000 kg] vehicle traveling at 43.5 mph [70 km/h] impacting the arm at 90 degrees.

APPROVALS: **http://safety.fhwa.dot.gov/roadway_dept/road_hardware/barriers/pdf/cc-55.pdf**

Contact Information

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STOPGATE™ BARRIER ARM

SCI19	
SHEET NO.	DATE
2 of 2	8/3/05

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