

Product Evaluation

RE: Review of ArmorGuard Moveable Steel Barrier

PRODUCT

The ArmorGuard Moveable Steel Barrier System is manufactured by Lindsay Transportation Solutions Barrier Systems located in Rio Vista, California and distributed by Roadway Traffic Products of Edmonton, Alberta and Roadside Supply Ltd located in Ardrossan, Alberta. .

VENDOR CLAIMS AND INFORMATION

CLAIMS

The ArmorGuard Moveable Steel Barrier System is a heavily reinforced steel barrier that was designed to offer a practical solution for including positive barrier separation in short term construction work zones and controlled access points on long term construction projects. Product Web Link: <http://www.barriersystemsinc.com/movable-workzone-barrier>

DESCRIPTION

The ArmorGuard Steel Barrier System is constructed of metal and are assembled in 8.5 m increments. The sections are hinged at both ends and can be unpinned, jacked up on wheels and moved in any direction. One end can be unpinned and swung open or both ends of a section can be released to remove the whole section. This system was found acceptable under the provisions of NCHRP Report 350.

POTENTIAL USAGE

ArmorGuard System comes in sections of 8.5 m long. The ArmorGuard System can be quickly and easily opened and positioned without electricity or heavy equipment. ArmorGuard Sections are easily raised and lowered manually or with optional compressed air. Sections can be moved laterally with a forklift / front loader, pickup truck or by hand. Barrier can be moved longitudinally with a pickup truck. Sections can also be attached or joined in combination with Portable Concrete Barrier to create controlled access gates.

STANDARDS

NCHRP Report 350 TL-3
ASTM A-36 & A-123

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has used similar products.

APPLICABLE STANDARDS

The Alberta Transportation specifications for guardrail are:

- Specification 2.19, Guardrail and Guideposts
- Specification 5.25, Supply of W-Beam Guardrail and Posts
- Specification 5.27, Supply of Cable Barrier and Metal Posts

RECOMMENDATIONS:

ArmorGuard Moveable Steel Barrier System be listed as a Potential Product under Alberta Transportation Products List, Traffic Control Devices – Barrier Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

Note: Temporary use only

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow



Bill Kenny/Jim Poole/Jim Gavin

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