

Product Evaluation

RE: Review of ATC Cabinet

PRODUCT

ATC Cabinet is a Controller Cabinet manufactured by McCain Inc. located in Vista, California and it is distributed in Alberta by Innovative Traffic Solutions, Inc. located in Stoney Creek, Ontario. Website: www.mccain-inc.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

The ATC cabinet combines the best of rack mount and serial-based designs to meet the needs of LED intersections. Using smarter, high-density components, the cabinets offer unparalleled control capabilities for intersections that would otherwise require unorthodox wiring or a second cabinet. ATC Cabinets meet the needs of today's smart cities and are ready for tomorrow's challenges, including the future of connected and autonomous vehicles.

DESCRIPTION

The ATC cabinet is designed for controllers compliant with the ATC standard version 5.2b and later. However, the cabinet is compatible with any controller that has the proper software support and serial communication facilities. To that end, Model 170 controllers are not compatible because they do not support the high speed serial bus communications protocol required to operate the ATC cabinet.

POTENTIAL USAGE

ATC Cabinet Cabinets are used to house controller systems.

STANDARDS

A Joint Standard of AASHTO, ITE & NEMA - ATC 5301 v02.02

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Standard Specification for Highway Construction: 2.26.4.6 Traffic Signal Controller Unit and Cabinet

RECOMMENDATIONS

ATC Cabinet be listed as a Potential Product under Alberta Transportation Products List, Electrical Equipment – Distribution Equipment Enclosure – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,
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