Intelligent Transport Systems

Type Approval

Certificate No:	ITS-TAN000124

Issued to:

NAE – National Arrow & Emergency

For:

Illuminated Flashing Arrow Signs			
TfNSW Specification:	TSI-SP-060	Version:	1.0

Summary Scope:

Model: **Type – B Arrow Board Double-Sided**

Model Number: **NAE - ABDB**

Arrow Controller: **NAE – CTL – V2**

Software: **V4.0**

Note: Conditions of approval are on the reverse side of this certificate.

Evaluation Reference:	ITS-EV0271	Approver:	Manager TSI
Approver Signature:	Raj Roychoudhry	Date:	19th October 2021

A) Description and itemisation of the equipment covered by the type approval:

LED flashing arrow sign – type 'B' (models: NAE - ABDB double-sided), comprising:

- Black sign board with fifteen (small element) 100mm High Intensity LED lamps on the front panel and fifteen (small element) and 100mm High Intensity LED lamps on the rear panel (LED Lamp model: NAE - 106) with visors;
- LED lamp optical chamber ingress protection rating – IP45;
- Dimming control of LED lamps intensity using two photocells located on the underside of the arrow board;
- Arrow controller (models: NAE – CTL – V2);
- 12V and 24V input power capability with a fuse;
- Sign board ingress protection rating – IP45;
- Electric actuator for raising and lowering of sign board.

B) Summary of deviations from specified requirements:

Nil.

C) Relevant Specifications, Drawings and Standards:

TfNSW Specification TSI-SP-060 specifies that the illuminated flashing arrow signs shall comply with all the requirements of AS 4192:2006, except as varied in TSI-SP-060.

D) Conditions of use:

Certificate users shall verify with TfNSW whether this certificate is current, valid, and applies to the latest TfNSW specification version, when using in situations where current validity is required.

The Type B illuminated flashing arrow sign board is designed for use in Region A, Terrain Category 2 and a maximum viewing distance of 860m.

E) Related Certification History:

Certificate Number	Issued	EV Number	Description or change details