NOTES:
1. STEELWORK to be fabricated to the requirements of AS1578.1.
   Steel plate to AS/NZS 3678.
   CWR tube to be Grade 300D or AS/NZS 1163.
   Structural Steel to be AS/NZS 1170.2.
   High-strength bolts up to Grade 12.9 to AS 8567.
   All other structural steel to be hot-dip galvanized to AS 1214.
   All other steelwork to be hot-dip galvanized to AS/NZS 4680 unless shown otherwise.
2. WELDING to be in accordance with AS 1101.3.
   All welds, except location tack welds, to be SP category.
   Welding consumables for AS/NZS CWS to be controlled hydrocarbon type E60XX or WQ03. Welding consumables for all other structural steel shall be controlled hydrogen type E60XX or WQ03 unless shown otherwise.
3. WIND DESIGN LOADS:
   - Category D.
   - Maximum wind speed of V = 45.2 m/s and a point load of 1 kN at the end of a support arm.
   - Load break links designed for V = 24 m/s (Total wind load on each banner = 40 kg).
4. Banner supports designed for a maximum height of 15m above ground level.
5. Banners installation and component testing in accordance with WRT3109.
6. DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DOCUMENTS:
- Main Roads Standard Drawings Roads Manual
- Main Roads Specifications and Technical Standards Manual
- Guideline for Banners on Light Poles and Bridge Superstructures

REFERENCED DOCUMENTS:
- Standard Specifications:
  WR0598 Fabrication of Structural Steelwork
  WR0594 Road Lighting with Banners

Australian Standards:
- AS 1101.3 Graphical Symbols for General Engineering
- AS/NZS 1163 Structural Steel Hollow Sections
- AS/NZS 1170.0 Structural Design Actions - General Principles
- AS/NZS 1170.2 Structural Design Actions - Wind Actions
- AS 1214 Hot-Dip Galvanized Coatings on Threaded Fasteners (ISO Metric Course Thread Series)
- AS/NZS 1252 High Strength Steel Bolts with Associated Nuts and Washers for Structural Engineering
- AS/NZS 1554.1 Structural Steel Welding - Melting of Steel Structures
- AS 2321 Short Arc Chars for Lighting Purposes
- AS/NZS 3678 Structural Steel - Mild-carbon Steels, Fine Plates and Sheets
- AS/NZS 4680 Hot-Dip Galvanized (Zinc) Coatings on Fabricated Non-Structural Articles

BANNERS ON LIGHT POLES
Department of Transport and Main Roads

2 METER BANNER
INSTALLATION AND SUPPORT DETAILS
DRAWING 1 OF 2

2000 mm banner

CLEARED HEIGHTS (To lower support arm)
- Durable: 4.5m
- Maximum: 5.5m
- Above Footpath: 2.4m min.
- Above Parking Lane: 4.3m min.
- Above Traffic Lane: 5.6m min.

BANNER

ELEVATION SINGLE BANNER INSTALLATION DETAILS

ELEVATION

ELEVATION POLE MOUNTING BRACKET DETAIL
SINGLE & DOUBLE BANNER - UPPER & LOWER SUPPORT ARMS

ELEVATION END PLATE DETAIL
SINGLE & DOUBLE BANNER - UPPER SUPPORT ARM

ELEVATION LOAD BREAK LINK MOUNTING LOOP DETAIL
SINGLE & DOUBLE BANNER - LOWER SUPPORT ARM

ELEVATION SINGLE BANNER SUPPORT ARM

ELEVATION SINGLE BANNER SUPPORT ARM