SEQUENCE OF INSTALLATION:

A. For footing details and installation of Mast Arm Post, refer Standard Drawing 1403.

B. Installation of Mast Arm Outrigger:
1. Lightly oil the threads of the four 160 set screws and washers used for mounting the outrigger to the mast arm. 
2. Position the outrigger with a clamp using the two leveling points provided and fill the four 160 set screws and washers. Fully torque to 200 Nm.
3. If mast arm post has a laminar spigot, which is not initially being used for lighting purposes, the centered hole in spigot pieces should be filled with silicone sealant and a cap fitted over the spigot. A screen cover plate is to be fitted to the Luminance junction box mounting plate. Refer Note 6.
4. Use a suitable silicon sealant to waterproof the joint around the outrigger arm.

C. Procedure Where Space Or Site Permits Permanently:
1. Assemble the mast arm post and outrigger complete on the ground.
2. Attach adjustable chain slings to the lifting hooks on the end of the outrigger and one of the arms of the post.
3. Adjust the length of the slings to balance the load.
4. Lift the mast arm assembly onto position and secure on its footing.

D. Setting Holes of Traffic Signal Mast Arm:
- After all barriers are fitted, observe the installed mast arm from a distance. Adjust the rakes of the column to give the best overall aesthetic appearance. If there is a problem achieving this, set the column vertically at approximately 5 cm from the ground.

This is important so that all bolts have the load during high wind loads, both in compression and tension.

REFERENCES:
- Departmental Standard Drawings:
  - Standard Drawings: 1403 Traffic Signals
  - Standard Drawings: 1404 Traffic Signals
  - Standard Drawings: 1412 Road Lighting

- Referenced Documents:
  - Standard Drawings: 1403 Traffic Signals
  - Standard Drawings: 1404 Traffic Signals
  - Standard Drawings: 1412 Road Lighting

- Departmental Standard Specifications:
  - MTS/AS Traffic Signals
  - MTS/AS Road Lighting

- Australian Standards:
  - AS/NZS 2144 Traffic Signal Lampposts
  - AS 2539 Traffic Signal Posts and Attachments
  - AS 2550 Traffic Signals Pedestrian
  - AS 2597 Traffic Signals Post-Mast Arm
  - AS/NZS 3000 Wiring Rules

- Australian Standards:

- Department of Transport and Main Roads:

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NOTES:
1. Refer project specific drawings for road lighting requirements, mast arm outrigger height, and barrier assemblies.
2. Install base rings between road lighting lamppost and road lighting junction box and between road lighting junction box and pit.
3. Use (4) and mm to fix the post to the mast arm.
4. Use (4) and mm to fix the laminar transition piece to laminar spigot.
5. Use (32) and mm to fix the traffic signal junction box assembly to the mast.
6. Use (32) and mm to fix the mast arm post and outrigger assembly instead of road lighting junction box assembly.
7. Use (32) or (30) x (210) to fix barrier housing to post, barrier housing bands to mast arm or mast arm.
8. Use (30) or (26) to fix the traffic signal junction box assembly to the mast.
9. Use (30) or (26) to fix the barrier housing to the mast arm or mast arm.
10. Use (30) or (26) to fix the traffic signal junction box assembly to the mast.

- Dimensions are in millimeters unless shown otherwise.