Senior Engineer Structure Circular

SES 02/03

Standard Gating End Terminal – WAMELT
Guidelines on Usage

<table>
<thead>
<tr>
<th>No. Sketches Following</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Appendix Sheets Following</td>
<td>0</td>
</tr>
</tbody>
</table>

Background

Standard Drawings 0330-1647 to 1651 inclusive relating to the Standard Drawing Western Australia Modified Eccentric Loader Terminal (WAMELT) were recently issued for general use. This Circular was prepared to provide some background notes on the WAMELT’s development and its intended application.

Notes

The WAMELT was developed by Structures to provide a non-proprietary Test Level 3 gating end terminal as an alternative to the various, and generally more expensive, proprietary products available at that time.

The principle aim was to ensure that MRWA had available a cost-effective alternative to the commercial products. It is not intended that the WAMELT be used to the exclusion of all other types of end terminals or to be used if it is not cost-efficient.

It is envisaged that the WAMELT would be most suitable for use on rural roads, especially those with lower traffic volumes. As the WAMELT requires a 1.2m offset, some proprietary products which have a reduced offset, may prove more cost efficient on roads with higher and/or narrow embankments.

The WAMELT development is ongoing as there are some outstanding issues to be resolved. They include the development of a steel ‘breakaway’ post alternative to the timber posts. It is intended to progress this in the next year. Also, the new design does not suit the traditional style of setting out and erection and this has posed some difficulties. In conjunction with the SWR, a trial is planned to determine the most efficient means to erect the new design.

R F Scanlon
Senior Engineer Structures

Distribution:
All Structures Branch Staff
All holders of controlled copies of Bridge Branch Design Information Manual
All Asset / Project Managers Structures