

799-2 - REACT 350799-2.1 GENERAL

The REACT 350 is a proprietary energy attenuation system to reduce the hazard associated with the ends of permanent concrete barrier. The system meets the crash test acceptance requirements of NCHRP Report 350 and is available in two configurations that consist of 4 polyethylene cylinders for TL-2 installations, or 9 polyethylene cylinders for TL-3 installations.

799-2.2 REFERENCES

Highway Design Bulletin 2004-002

799-2.3 TENDER ITEMS

- Permanent REACT 350

799-2.4 SPECIFICATIONS

The requirements for the REACT 350 are contained in SSP 799S04.

799-2.5 SPECIAL PROVISIONS

Refer to Chapter "E" of this Manual to review the applicable standard special provisions.

799-2.6 STANDARD DRAWINGS

Applicable standard drawings are contained in the 900 series of the Ministry of Transportation of Ontario Drawings (MTOD).

799-2.7 DESIGN

Design shall be in accordance with the appropriate MTODs.

799-2.8 COMPUTATION

These are Plan Quantity Payment Items.

The quantity is based on each completed installation.

The unit of measurement for Permanent REACT 350 is each complete installation.

799-2.9 DOCUMENTATION

The tender items are variation items. Provide two columns on the quantity sheet to indicate whether each Permanent REACT 350 installation consists of 4 cylinders (TL-2) or 9 cylinders (TL-3).

1. TL-3 configurations are required for high-speed installations with posted speeds of 70 km/h and greater.
2. TL-2 configurations may be used for low speed installations with posted speeds of less than 70 km/h.

Each installation is entered as a separate line entry under the appropriate column heading on a "Quantities - Miscellaneous - 1" sheet or a "Miscellaneous" sheet. The station at the rear of the system is entered and location left or right of centreline is indicated. Each column is totalled, added together, and transferred to the tender document.

For each location where a standard concrete pad is required, note in the location and position column of the Q-sheet: "Concrete Pad".

Show the location of each Permanent REACT 350 on the contract drawings with the appropriate MTOD number shown adjacent to the symbol.

799-2.9.1 Documentation Accuracy

Record stations to the nearest whole metre and indicate median, left, or right side of the road. The quantity is the number of units required.