

NOTES FOR THE MAINTENANCE OF GUARDRAILS AND MEDIAN BARRIERS

1. GENERAL

These notes are intended to act as a guide for preparation of a specification for maintenance of guardrails and median barriers.

2. SCOPE

The scope of work may include for:

- (a) "W"-section steel guardrail on timber or steel posts
- (b) Concrete barriers
 - (i) "New Jersey" type
 - (ii) "Tric-Bloc" type
- (c) Wire Rope barrier
- (d) "IBC" sand filled barrier
- (e) Various energy absorption devices

3. MATERIALS, FABRICATION AND ASSEMBLY

- 3.1** Replacement guardrail or median barrier components shall comply with the relevant manufacturer's requirements for materials, fabrication and assembly unless modified below.

"W"-Section Guardrail shall comply with TNZ Specification M/16P, M/17P and P/15P.

- 3.2** The alignment and level of replacement guardrail or barriers shall tie in with the existing lengths and shall appear by eye to be straight or a true curve as appropriate.

- 3.3** In areas where salt spray or industrial fumes are likely to have an effect on the galvanising of barriers all exposed faces shall be water cleaned using fresh cold water delivered from a medium pressure jet at intervals not exceeding 12 months.

4. MINIMUM STOCKHOLDINGS

The Contractor shall maintain at least the minimum quantities of materials specified in Appendix 1 to be able to meet the response times determined by the Engineer.

APPENDIX 1

MINIMUM STOCKHOLDING QUANTITIES TO BE HELD BY CONTRACTOR

ITEM	UNIT	MINIMUM QUANTITY
"W" SECTION GUARDRAIL Ribbon (highway type) Ribbon (bridge type) Timber post/blockout etc Steel post/blockout etc BCT unit	length length ea ea ea	
NEW JERSEY BARRIER Standard unit Standard taper (full length)	ea ea	
"TRIC BLOC" BARRIER Standard unit Standard taper (full length)	ea	
WIRE ROPE BARRIER Z posts (4 wire) Cable	ea m	
IBC BARRIER Panels (type)	ea	
ENERGY ABSORPTION DEVICES Type Type	ea ea	