

## **NZ Roadmarkers Federation Inc**

### **Competitive Pricing Procedures Tender Evaluation Checklist**

This document describes the items relating to roadmarking that should be assessed by Tender Evaluation Teams. The elements covered are those that should have been addressed by the Contractor's tender submission.

The aim of this checklist is to provide assurance that tender evaluations have been completed professionally and objectively, by providing each member of the Tender Evaluation Team with the appropriate technical support.

The checklist is applicable for the evaluation of:

- 1 Individual tenders submitted for evaluation by weighted attributes
- 2 Applications for entry to Pre-Qualification Registers
- 3 Subcontractors for pavement marking services by Head Contractors.

The checklist is intended to be used in conjunction with Volume 1 of Land Transport New Zealand's CPP Manual and related procedures and guidelines. The checklist is by no means exhaustive and the users or Contract Supervisor should add items based on personal experience and specific contract requirements.

The users of this checklist should familiarise themselves with:

- 1 Volume 1 of LTNZ CPP Manual
- 2 Related Consultant procedures and guidelines (where available)
- 3 Reference documents as contained in section 3.

## 1 INTRODUCTION

The purpose of this checklist is to provide a basis for assessment during tender evaluation being conducted by Tender Evaluation Teams on tenders for the supply of pavement marking services.

It is aimed at assessing compliance with the requirements of:

1. Land Transport New Zealand's Competitive Pricing Procedures Manual
1. Transit New Zealand quality specifications.

The checklist is intended to provide grounds for confidence to the Principal that the contractor has the appropriate systems in place and the resources and technical capability to meet their contractual and legislative requirements.

## 2 SCOPE

The checklist covers the contractual requirements relating to roadmarking operations. The activities as outlined by the Land Transport NZ CPP Manual:

1. Relevant Experience
2. Track Record
3. Technical Skills
4. Resources
5. Management Skills
6. Methodology
7. Price

## 3 REFERENCES

The recommended list of documents that need to be considered are set out at the end of this document. The Tender Evaluation Team should also add to this list any additional material relating to special materials and or special conditions.

The Documents referred to should those defined in the contract documents. Transit New Zealand supply the latest versions of their Specifications on their WebPages. [www.transit.govt.nz](http://www.transit.govt.nz)

## 1 REVIEW AND AMENDMENT

This document has been developed by Quality Surveillance Ltd (QSL) for The New Zealand Roadmarkers Federation Inc (NZRF).

All information contained in it has been prepared in good faith by QSL and the NZRF and is, to the best of their knowledge, correct and complete. While every care has been taken in the preparation of the information provided, no warranty is given by either QSL or the NZRF as to the correctness of the information herein and no liabilities accepted for any statement or opinion, nor for any error or omission.

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ITEM	Complies Y/N	COMMENT
<p><b>CONTRACT PACKAGE DETAILS</b>  <i>Provide brief description of :  Tender, Contractor, Scope of Works,  Contractors Representative.</i></p>		
<p><b>RELEVANT EXPERIENCE</b>  <i>(tenderer's previous experience in technical areas  comparable to this project)</i></p> <p>Is there evidence that contractor has experience with proposed work package and the related reporting mechanisms, ie:</p> <ul style="list-style-type: none"> <li>• Transit New Zealand?</li> <li>• Local Authority</li>   <li>• Repaints?</li> <li>• Installation of new painted markings?</li> <li>• Installation and removal of RPM's?</li> <li>• Application of thermoplastic markings?</li> <li>• Application of other long-life materials?</li> <li>• Removal of roadmarkings?</li>   <li>• State Highway work?</li> <li>• City roading environment?</li> <li>• Urban roading environment?</li> <li>• Rural roading networks?</li>   <li>• Traffic management to TNZ CoPTTM Level 3?</li> <li>• Traffic management to TNZ CoPTTM Level 2?</li> <li>• Traffic management to TNZ CoPTTM Level 1?</li> <li>• Traffic management to NZRF TTM?</li> <li>• Traffic management to Local Roads Supplement to TNZ CoPTTM</li> <li>• Submission of TMP's?</li> </ul> <p>How long ago was this work?</p> <p>What portion of the roadmarking work is to be subcontracted?</p> <p>Does the nominated subcontractor have the resources required?</p> <p>Referees verify stated relevant experience?  Who were they?</p>		

<p><b>TRACK RECORD</b>  <i>(tenderer's record of completing projects to the quality standards, on schedule and within budget)</i></p> <p>Does submission provide evidence of client satisfaction with roadmarking services provided?</p> <p>Are submitted projects relevant to proposed works?</p> <p>Is there evidence / indication of significant Notices to Contractor being required?</p> <p>Does statement of completion on time cover all stages/phases of projects described? e.g.</p> <ul style="list-style-type: none"> <li>• For repaints, were scheduled works always completed on time?</li> <li>• What was contractor's performance relating to "urgent work"?</li> <li>• Were there retentions relating to non-completion of "service work"?</li> </ul> <p>Were referees happy with quality of work?          Was work carried out within agreed time?          Was work completed within budget?</p> <p>Has contractor worked for your client recently, if so what the level of performance was contained in Engineers Reports / Audit Reports?</p> <p>Do any other Tendering Authorities have records of the roadmarkers performance?          If so, are there areas of concern?          (state)</p>		
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<p><b>TECHNICAL SKILLS</b>                  (competence of the personnel that the tenderer proposes to use with particular regard to their skills and experience in technical areas comparable to the project)</p> <p>Is there evidence that staff have achieved competence in issues relating to the Health &amp; Safety in Employment Act 1992, e.g.</p> <ul style="list-style-type: none"> <li>• Hazard Identification and management on work-sites?</li> <li>• Traffic Management?</li> <li>• Safety on Roadmarking Sites including Paint Injection, thermoplastic application, etc?</li> </ul> <p>Is there evidence that nominated people have the requisite skills and experience, e.g.</p> <ul style="list-style-type: none"> <li>• Contractors Representative has experience in receiving roadmarking contract instructions?</li> <li>• Contract Manager has experience in managing contract of the type / complexity proposed?</li> <li>• Quality Manager has experience in Contract Quality Plan implementation and management?</li> <li>• Traffic Manager has relevant qualification?</li> <li>• Safety Manager has experience in roadmarking hazard management?</li> </ul> <p>Does the tender submission provide evidence that these people will be used on the contract?</p> <p>Are there sufficient operational staff having appropriate technical training and skills relating to:</p> <ul style="list-style-type: none"> <li>• Setting out of new work?</li> <li>• Supervision of paint</li> <li>• Supervision Long-life material application?</li> <li>• Supervision of Traffic Management?</li> <li>• Review &amp; amendment of TMP's</li> <li>• Traffic Control?</li> <li>• Taking and measurement of test plates?</li> <li>• Determination of paint and bead application rates?</li> <li>• Calibration of paint computers?</li> </ul> <p>How many:</p> <ul style="list-style-type: none"> <li>• Operators have InfraTrain National Certificate as Roadmarking Grade 2 or 3?</li> <li>• Assistants have InfraTrain National Certificate as Roadmarking Grade 1?</li> <li>• Operators/Transport Drivers hold Unit Standard 1739 – Load, convey and unload hazardous substances by road transport or equivalent?</li> </ul> <p><i>Note: Roadmarking staff are usually multi-skilled such that a Type A applicator operator is likely to have most of the skills required for roadmarking.</i></p>		
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<p><b>RESOURCES</b> ( equipment, including facilities and intellectual property, which the tenderer proposes to use on physical works project)</p> <p><b>Documented Quality System</b></p> <p>Is there evidence of compliance with Clauses 2, 3 and 6.2.1 of TNZ P/12 or TNZ P/22? Is there evidence of quality system registration? Which Certification Body? Does ISO 9001 Certification Scope cover roadmarking? Does Certification Scope include the technical requirements of NZRF QAP002? Is there evidence of recent surveillance of roadmarking activity by Certification Body?</p> <p><i>Note: Copies of Quality System Certificates submitted should include copy of Scope of Certification page.</i></p> <p><b>Licences &amp; Agreements</b> Does Contractor hold appropriate licence and or agreement for any special or long-life material proposed?</p> <p><b>Work Commitments / Resources</b></p> <p>Are all contractor current commitments listed? Does contractor have subcontract commitments that are not listed?</p> <p>What commitments are likely to have a significant impact on proposed work: <i>(list)</i></p> <p>Is there evidence that there are sufficient resources to meet commitments?</p> <p>Does the contractor own or have control of all of the plant stated as being proposed for work package?</p> <p>What evidence is there of a "healthy" relationship with materials suppliers?</p> <p><i>Note: Transit New Zealand publishes a table that identifies by region the head contractors holding all TNZ contracts. As roadmarking is often subcontracted further inquiries are necessary to assess the true level of work commitments</i></p>	
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<p><b>Type A Paint Applicators</b>                  How many?                  How old are they?                  What paint systems do they have? i.e.:  <ul style="list-style-type: none"> <li>• high pressure airless, (paint pumps)</li> <li>• low pressure airless, (pressurised vessel)</li> <li>• conventional spray (air atomising)</li> <li>• or a combination?</li> </ul>                 Are they capable of both white &amp; yellow paint?                  Glass bead application system?                  Size and numbers of paint and glass bead tanks?</p> <p>Do they have paint computers? If so, do they display calculated dry film thickness?                  What cleaning systems are used:  <ul style="list-style-type: none"> <li>• Rotary Broom?</li> <li>• Fixed Broom?</li> <li>• Compressed Air?</li> </ul> </p> <p><b>Type B Paint Applicators</b>                  How many:                  What type are they:  <ul style="list-style-type: none"> <li>• Pedestrian?</li> <li>• Operator Mounted?</li> <li>• Operator Mounted Type B1?</li> <li>• Umbilical?</li> </ul>                 How old are they?                  What paint systems do they have? i.e.:  <ul style="list-style-type: none"> <li>• high pressure airless, ( i.e. paint pumps)</li> <li>• low pressure airless, (pressurised vessel)</li> <li>• conventional spray (air atomising)</li> <li>• or a combination?</li> </ul>                 Are they capable of both white &amp; yellow paint?                  Glass bead application system?                  Sizes and numbers of paint and glass bead tanks?                  Do they have paint computers?                  If so, do they display calculated dry film thickness?</p> <p><b>Long-Life Material Applicators</b>                  How many:                  Operator Mounted?                  Truck mounted?                  What delivery systems do they have? i.e.  <ul style="list-style-type: none"> <li>• Extrusion?</li> <li>• Screed?</li> <li>• Spray?</li> </ul>                 Sizes and numbers of material tanks?                  Capabilities for:  <ul style="list-style-type: none"> <li>• Audio Tactile Markings?</li> <li>• Water Shedding Markings?</li> <li>• Other?</li> </ul>                 How many pre-heaters?                  Sizes and numbers of tanks?                  Drop-on glass bead application system?</p>		
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<p><b>Raised Pavement Marker Installation</b>                  What equipment is used:</p> <ul style="list-style-type: none"> <li>• Dedicated truck &amp; adhesive heater?</li> <li>• Dedicated pedestrian trolley?</li> <li>• De-mountable heating tanks?</li> <li>• Other?(state)</li> </ul> <p>Are RPM's placed as:</p> <ul style="list-style-type: none"> <li>• Mobile operation,</li> <li>• Semi-static, or</li> <li>• Fixed site operation?</li> </ul> <p><b>Raised Pavement Marker Removal</b>                  What methods are proposed for:                  Removal of RPM's?                  Repair of pavement surface?                  Disposal of old RPM's?</p> <p><b>Line Removal &amp; Sweeping</b>                  Water injection?                  Sand &amp; Grit Blasting?                  Water blasting?                  Vacuum Broom?</p> <p><b>Traffic Management Equipment</b>                  Numbers of:</p> <ul style="list-style-type: none"> <li>• Truck mounted attenuators?</li> <li>• Dedicated Pilot Vehicles?</li> <li>• Signs Transport Vehicles?</li> <li>• Vehicles with Arrow Boards?</li> </ul> <p>Number type and grade of signs;                  Number of Reflectorised:</p> <ul style="list-style-type: none"> <li>• 900mm Cones?</li> <li>• 450mm Cones?</li> </ul> <p><b>Support &amp; Transport</b>                  Number &amp; Capacities of:</p> <ul style="list-style-type: none"> <li>• Dedicated transport vehicles?</li> <li>• Load lift vehicles?</li> <li>• Other vehicles?</li> </ul> <p>Is there evidence of appropriate:</p> <ul style="list-style-type: none"> <li>• Mechanical and repair services?</li> <li>• Depot / Yard security and facilities?</li> <li>• Computers and financial systems?</li> </ul> <p>Is there evidence of appropriate environmental protection equipment and systems for:</p> <ul style="list-style-type: none"> <li>• Storage of Dangerous Goods?</li> <li>• Transfer of Paint &amp; Solvent?</li> <li>• Cleaning of plant &amp; equipment?</li> <li>• Containment of spills?</li> <li>• Protection of waterways?</li> </ul> <p>Is there evidence that where the contract requires work away from the main depot that appropriate</p>		
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<p>resources will always be provided?</p> <p><b>Communication Systems</b>  Radio Telephones:</p> <ul style="list-style-type: none"> <li>• All vehicles?</li> <li>• Depot or base?</li> <li>• Vehicle to vehicle?</li> </ul> <ul style="list-style-type: none"> <li>• Cell Phones?</li> <li>• Email?</li> <li>• Other?</li> </ul> <p><b>Certified Plant &amp; Equipment</b>  Is there evidence of compliance with Clauses 6.2.2 and 6.2.3 of TNZ P/12? Or TNZ P/22  Do TNZ T/8 &amp; T/12 Certificates cover all the applicators described in Resources? Are there certificates for any pre-heaters?  What are Expiry dates? (<i>list</i>)</p> <p>Will any expire shortly after start of work?  Have Certificates been registered with Registration Body (NZRF)?  Discuss validity /authenticity of certificates as presented  Are they valid / compliant?</p> <p><i>Notes:</i>  Under TNZ P/12 and TNZ P/22:</p> <ul style="list-style-type: none"> <li>• <i>all paint applicators require valid TNZ T/8 Certificates at time of tender ,</i></li> <li>• <i>all Long-life product require valid TNZ T/12 or Certificates at time of tender,</i></li> <li>• <i>and Certificates are to be maintained for the period of the contract.</i></li> <li>• <i>TNZ T/8 &amp; T/12 require that certificates must be registered to be valid. The NZRF is the registration body. A copy of the register is available from the NZRF Executive Director or from the NZRF Website at <a href="http://www.nzrf.co.nz">www.nzrf.co.nz</a></i></li> <li>• <i>Where umbilical Type B paint applicators are included, care should be taken to identify if attached to a Type A, a dedicated mother vehicle or transferable from vehicle to vehicle.</i></li> </ul>		
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<p><b>MANAGEMENT SKILLS</b>  <i>(availability within the tenderer's organisation of personnel and appropriate management skills together with effective management systems and methods appropriate to the successful management of the project)</i></p> <p><b>Personnel</b>                  Does submission provide evidence of skills and experience in:</p> <ul style="list-style-type: none"> <li>• Contract Management – in particular roadmarking to TNZ requirements?</li> <li>• Quantity Surveying &amp; Tender Submissions?</li> <li>• Programming of roadmarking work?</li> <li>• Quality Systems – in particular:                         <ul style="list-style-type: none"> <li>- Technical requirements?</li> <li>- Corrective Action?</li> <li>- Quality Records?</li> <li>- Training of operational staff?</li> </ul> </li> <li>• Health &amp; Safety?</li> <li>• Progress Claims?</li> <li>• Contract Reporting?</li> </ul> <p>Does submission provide evidence of a formalised competency and training programme for all staff?</p> <p>Do Supervisory staff hold appropriate qualifications, i.e.:</p> <ul style="list-style-type: none"> <li>• Civil Construction Works Supervisor National Certificate?</li> <li>• Roadmarking Grade 4 Supervisor National Certificate?</li> <li>• Civil Construction Works Foreperson National Certificate?</li> <li>• Unit Standard in TNZ T/8 Testing?</li> <li>• Other Unit Standards in Testing</li> <li>• Other?</li> </ul> <p><b>Communication</b>                  Does the submission provide a clear description of the lines of communication within management team and the Engineer?                  Are the systems appropriate to the contract works?                  Where contract requires a remote or separate depot, how will management services be provided?</p>		
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<p><b>METHODOLOGY</b> (procedures the tender proposes to use to achieve the specified end result)</p> <p><i>Note: As the Contract Quality Plan which provides the control mechanisms required for effective control of the contract is developed from the methodology submitted, evidence of a well conceived methodology increases the chances of appropriate Contract Quality Plan being submitted.</i></p> <p><b>Selection of Treatment &amp; Method</b> Are all types and stages of work covered? Are appropriate specifications referred to:</p> <ul style="list-style-type: none"> <li>• Manual of Traffic Signs &amp; Markings Part 2, RTS 4 &amp; RTS 5 for set-outs?</li> <li>• TNZ P/12 or TNZ P/22 for paint and bead application?</li> <li>• TNZ P/14 for raised pavement marker installation?</li> <li>• TNZ P/20 for long-life application?</li> </ul> <p>What equipment is being proposed? Does the contractor own or have control of all this plant? Is liaison with Principal / Contract Supervisor referred to?</p> <p><b>Products &amp; Materials</b> Are all products and materials clearly specified, i.e.:</p> <ul style="list-style-type: none"> <li>• Standard Alkyd Paint?</li> <li>• High Solids Alkyd?</li> <li>• Chlorinated Rubber modified Alkyd?</li> <li>• Waterborne?</li> <li>• Thermoplastic?</li> <li>• Cold applied plastic?</li> <li>• Glass faced RRPM's?</li> <li>• Plastic RRPM's?</li> <li>• Ceramic RPM's</li> </ul> <p>Does material comply with TNZ materials specifications and on approvals lists, i.e.:</p> <ul style="list-style-type: none"> <li>• Paint to TNZ M7?</li> <li>• Thermoplastic &amp; Long-life to M/20?</li> <li>• Can Contractor demonstrate expected life for the proposed long-life materials?</li> <li>• RPMS to TNZ M/12?</li> <li>• RPM Adhesive to M/13?</li> </ul> <p>Do Materials &amp; Handling procedures cover:</p> <ul style="list-style-type: none"> <li>• Dangerous Goods storage?</li> <li>• Containment of Spills?</li> <li>• Transport of Hazardous Goods?</li> <li>• Correct disposal of used containers and waste?</li> </ul> <p>Is there evidence that Materials Records will comply with TNZ P/12 or TNZ P/22? What material records systems are proposed for</p>		
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<p>TNZ P/20?</p> <p><b>Programming</b>                  What plant &amp; equipment, including certified applicators and pre-heaters, will need to be available to meet programme requirements?                  What systems are used to programme work packages?                  Does the proposed method cover resourcing for:</p> <ul style="list-style-type: none"> <li>• Contingencies?</li> <li>• Urgent Work?</li> <li>• Accidents &amp; Emergencies?</li> <li>• Support e.g. Traffic Management where subcontracted?</li> </ul> <p><b>Application of markings</b>                  Is appropriately certified plant being used to apply markings, i.e. :</p> <ul style="list-style-type: none"> <li>• TNZ T/8 for paint?</li> <li>• TNZ T/12 for all Long-life product?</li> </ul> <p>How are RPM's applied?</p> <p><b>Protection of Markings</b>                  Does the submission demonstrate that the contractor has sufficient product knowledge to ensure that markings are protected such that they:</p> <ul style="list-style-type: none"> <li>• Are not tracked by vehicles?</li> <li>• Cost-effectively attain highest possible effectiveness?</li> </ul> <p><b>Inspection &amp; Testing</b>                  Is there evidence that contractor understands inspection and testing requirements?                  Are test plates used and when?                  How are acceptance criteria defined?                  How are application rates for paint and beads determined?</p> <p>Does contractor own appropriate test equipment - in particular:</p> <ul style="list-style-type: none"> <li>• Elcometers for dry paint film thickness?</li> <li>• Elcometer for Audio Tactile and thick films?</li> <li>• Retroreflectometer?</li> </ul> <p><b>Progress Monitoring, Reporting &amp; Invoicing</b>                  What systems are used to monitor, report and invoice work packages?                  Is there evidence of appropriately skilled and experienced staff responsible for these tasks?</p> <p><b>Public Liability</b>                  Does cover match scope of works?                  Is level of cover:                  As specified?</p>		
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<p>Appropriate / adequate for works contracted?</p> <p><b>Quality Assurance</b>                  Does submission provide evidence of knowledge of Contract Quality Plans and their contents?                  Is there evidence that Specification Review will include any special requirement?                  How are contract requirements translated / communicated to operational staff?                  Do staff have access to relevant TNZ Specifications:</p> <ul style="list-style-type: none"> <li>• Manual of Traffic Signs &amp; Markings?</li> <li>• TNZ P/12 or TNZ P/22?</li> <li>• TNZ P/14 (for RPM's)?</li> </ul> <p>What audit programme is proposed?                  Does the audit programme contain External Audits?                  What system for control of non-conforming markings is proposed?</p> <p><b>Applicator Certification Renewal</b>                  Does the submission indicate that applicator testing will be managed in such a way that plant certification is maintained throughout the entire contract period?</p> <p><b>Health &amp; Safety</b>                  Is there evidence that the contractor understands his obligations under the HSE Act 1992 in particular:</p> <ul style="list-style-type: none"> <li>• Identification of hazards, e.g. paint injection, traffic, solvents, etc?</li> <li>• Briefing of staff and visitors to site?</li> <li>• Handling of hazardous goods, e.g. paint, thinners, hot thermoplastic, RPM adhesive, etc?</li> </ul> <p>Is there evidence that the Contractor understands the current industry good practice as described by MOSHH Code of Practice and the NZRF Safety, Health &amp; Environment Guide?                  Is there evidence of a system for ensuring that new staff are appropriately trained or controlled?                  Is there evidence that the stated processes will apply to any subcontractors or support service provider?</p> <p><b>Traffic Management Plans – (TMP's)</b>                  What is Transit TTM Designation for the Contract Works                  Is there evidence that the Contractor understands his obligations under relevant TNZ Code of Practice for Temporary Traffic Management in particular:</p> <ul style="list-style-type: none"> <li>• Generation and amendment of Traffic Management Plans (TMP's)</li> <li>• Review and amendment (TMP's)</li> <li>• Use of relevant equipment, e.g. use of 900mm cones on tapers, STMS Warrant Cards, etc?</li> </ul>		
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<p><b>OTHER</b> (items for consideration within all the attributes above) <b>Health &amp; Safety Plan</b> <b>Environmental Plan</b> For both of these, does Tender Submission demonstrate a clear understanding of what RFT is requiring?</p>		
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<p><b>PRICE</b></p> <p><b>Materials</b> Based on schedule to tender, what are the estimates of the <u>minimum</u> quantities of:</p> <ul style="list-style-type: none"><li>• Paint?</li><li>• RPM's?</li><li>• Thermoplastic?</li><li>• Other Long-life products?</li></ul> <p><b>Complexity</b> What special conditions apply? (state)</p> <p>Does tender submission provide evidence of tenderer's knowledge of these, e.g. HCH traffic control?</p>		
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## Recommended Reference Documents

### Land Transport NZ Competitive Pricing Procedures Manual; Volume 1, Physical Works & Professional Services

#### Quality Specifications

TNZ TQS2	Quality system for Road Construction, Road Maintenance and Structures Physical Works Contracts having a Normal QA Level
AS/NZS/ISO 9001:2000	Quality management systems - Requirements
NZRF QAP002	Quality Assurance Programme Specifications and Guidelines, ( <i>referenced by TNZ P/12 &amp; P/22</i> )

#### National Standard Specifications

AS 2009	Glass beads for road-marking materials
NZS 3910	Conditions of contract for building and civil engineering construction
NZS 4224	Code of practice for measurement of civil engineering quantities
NZS 5433	Code of Practice for the Transport of Hazardous Substances on Land

#### Transit New Zealand Specifications & Related Documents

TNZ P/12	Specification for Pavement Marking
TNZ P/20	Performance Based Specification for Roadmarking
TNZ P/22	Specification for Reflectorised Pavement Marking
TNZ T/8	Specification for Roadmarking Paint Applicator Testing
TNZ T/12	Specification for Certification of Long-Life Pavement Marking Material Applicators
TNZ M/7	Specification for Roadmarking Paints
TNZ M/12	Specification for Raised Pavement Markers
TNZ M/13	Specification for Adhesion Agents
TNZ M/20	Specification for Long-Life Roadmarking Materials
MOTSAM : Part 2	Manual of Traffic Signs & Markings: Part 2 Road Markings
TNZ CoPTTM	Transit New Zealand Code of Practice for Temporary Traffic Management

#### TNZ/LTSA Guidelines

TNZ QG Notes	Guidelines on Roles of the Client, Consultant and Contractor in Quality Assurance
RTS 4	Guidelines for Flush Medians
RTS 5	Guidelines for Rural Road Marking and Delineation

#### Industry Guidelines and Codes of Practice

NZRF Roadmarkers Guides: - available on request from the NZRF

- Safety Health & Environment Guide (*provides guidance on HSE and Environment*)
- Guide to the Management of Traffic Hazard while Roadmarking (*provides interpretation of TNZ CoPTTM*)
- Line Removal Guide (*provides guidance on line removal methods*)
- Roadmarking Materials (*provides information on roadmarking materials*)

Local Roads Supplement to TNZ CoPTTM

RNZ Safe Handling of Bituminous Materials used in Roding (*relates to RPM Adhesive*)

NZCF Contractors Guide to Health & Safety in the Workplace

Code of Practice for the Management of Substances Hazardous to Health (MOSHH)

CRT&L ITO Operators Handbook for the Transport of Dangerous Goods (DG) by Road (*provides guidance on DG requirements*) – available from the Commercial Road Transport & Logistics ITO

#### NZ Roadmarkers Federation Checklists

NZRF:CONDEV001 Contract Development Checklist

NZRF:CMC001 NZRF Contract Management - Site Review Checklist