Appendices to Principal’s Requirements
Appendix A

Principal’s Design Criteria

A1  Standards, Manuals and Publications
A2  Road Design Criteria
A3  Bridge Design Criteria
A4  Testing & Inspection
A5  Urban Design Criteria
A1 Standards, Manuals and Publications

The Contractors Design, and carrying out of the Contract Works shall be in accordance with the version current at time of tender of the following standards, manuals and publications except where amended by these Principals’ Requirements. The Contractor shall ensure that the version of the document used incorporates the most recent amendments:

a) The Building Act
b) Health and Safety in Employment Act
c) Resource Management Act
d) NZTA Bridge Manual
e) New Zealand Standard Specifications
f) NZTA Standards and Guidelines Manual
g) NZTA Standard Specifications and Publications
i) NRB Highway Surface Drainage Manual
j) NZTA Urban Design Professional Services Guide

Where the above does not explicitly cover all parts or issues relating to the design or construction, such British, Australian or American codes or standards that are applicable in respect of a part or issue shall apply.

A2 Road Design Criteria

A2.1 Approaches To The Bridge

A2.2 Earth Retaining Structures

A2.3 Stormwater Treatment

<<< Guidance Note: NZTA policy to increase the use of performance based specifications, this is consistent with a D&C type of contract. Consultant shall define performance criteria, e.g. roughness, rutting, etc., and what duration e.g. 3-5 yrs >>>

A3 Bridge Design Criteria
A3.1 Bridge Alignment

A3.2 Bridge Cross Section

A3.3 Bridge Form and Configuration

A3.4 Materials and Finishes

A3.5 Design Life and Durability Performance

A3.6 Design Loads

A3.7 Geotechnical Investigation and Design Parameters

A3.8 Deck Drainage

A3.9 Side Protection

A3.10 Deck Lighting

A3.11 Future Services

A3.12 Bridge Bearings

A3.13 Settlement Slabs

A3.14 Bridge Deck Levelling Course

A3.15 Anti-Graffiti Finish

A3.16 Date and Loading Panels

A3.17 Bridge Deck Surfacing, Pavement Marking and Signage

A4 Testing and Inspection

Tests to be incorporated within the Schedule of Tests and Inspections.

<<< Guidance Note: The table below is a guide to the testing required, it is NOT an exhaustive list of testing required, nor is it a comprehensive list of areas to be covered, but is a prompt and start point. The consultant shall develop this schedule to meet project specific requirements>>>>>
### Appendices To The Principal’s Requirements

<table>
<thead>
<tr>
<th>Item</th>
<th>Test</th>
<th>Frequency</th>
<th>IANZ Lab required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bulk Earthworks</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. moisture content/density/voids/CBR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. moisture content/density/voids/CBR</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Imported Material</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. imported rock, fill etc..</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. imported rock, fill etc..</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subgrade Formation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. moisture content/density/voids/CBR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. moisture content/density/voids/CBR</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subgrade Improvement Layer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. density/voids/CBR Lime or SIM?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. density/voids/CBR Lime or SIM?</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subbase Layer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. density/voids, grading, sand equiv,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. density/voids, grading, sand equiv,</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Basecourse Layer</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. density/voids, grading, sand equiv,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. density/voids, grading, sand equiv,</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sealing Chip</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. size, cleanness, crushing etc..</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. size, cleanness, crushing etc..</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Surfacing</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. Tack Coat, binder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, e.g. Thin AC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>List test requirement here, e.g. Friction Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Drainage</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, (e.g. stormwater, subsoils, MH, culverts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>List test requirement here, (e.g. stormwater, subsoils, MH, culverts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>In situ Concrete</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>List test requirement here, e.g. aggregate, slump, strength</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Appendices To The Principal’s Requirements

<table>
<thead>
<tr>
<th>2</th>
<th>List test requirement here, e.g. aggregate, slump, strength</th>
</tr>
</thead>
</table>

### Reinforcing Steel

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here, e.g. mill certificate, strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here, e.g. aggregate, slump, strength</td>
</tr>
</tbody>
</table>

### Precast Members

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here, (e.g. beams, bearings, handrails)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here, (e.g. beams, bearings, handrails)</td>
</tr>
</tbody>
</table>

### Traffic Services

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here, e.g. pavement marking, signs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here, e.g. aggregate, slump, strength</td>
</tr>
</tbody>
</table>

### Lighting

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here, e.g. poles, trenching, cabling, systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here, e.g. aggregate, slump, strength</td>
</tr>
</tbody>
</table>

### Safety Barrier and Guardrail

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here,</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here,</td>
</tr>
</tbody>
</table>

### Landscaping

<table>
<thead>
<tr>
<th>1</th>
<th>List test requirement here, e.g. aggregate, slump, strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>List test requirement here, e.g. aggregate, slump, strength</td>
</tr>
</tbody>
</table>

## A5 Urban Design Criteria

### A5.1 Client’s Commitment to Urban Design

As a signatory to the New Zealand Urban Design Protocol, the NZTA is committed to planning and delivering quality urban design. Urban design involves the design and placement of buildings, roads and open spaces in towns and cities to create desirable places in which to live, work and play. On a large scale it is concerned with urban and rural structure, the pattern of buildings, open space and movement networks. On a small scale, it is concerned with urban and rural character and function and how roads, open spaces and buildings interact, appear and function.
State highways play a key role in contributing to the quality and character of urban and rural environments. The NZTA aims to:

- Ensure state highways contribute to vibrant, attractive and safe urban and rural areas; and
- Achieve integration between state highways, local roads, public transport, cycling and walking networks and the land uses they serve.

A5.2 Urban and Landscape Design Framework (ULDF)

<<Guidance Note: This section should only be included if an Urban Design Framework has been prepared in the I & R phase.>>

An Urban and Landscape Design Framework (ULDF) has been established in the I&R phase and is appended to this Principal’s Requirements document. All detailed design shall be guided by and give effect to the design principles and requirements contained in the UDF.

A5.3 Statutory Requirements

<<Guidance note: Insert statutory approval conditions, or reference to them, and associated requirements relating to urban design.>>

A5.4 Stakeholder Liaison

The Contractor shall work in collaboration with local authorities and other stakeholders to ensure urban design principles and objectives are appropriately reflected in the Contractor’s detailed design.

A5.5 Key Documents

<<Guidance Note: This section should only be included if an Urban and Landscape Design Framework has not been prepared for the project during the I & R phase.>>

The Contractor shall ensure that all detailed design is guided by and gives effect to the urban design elements in:

- (Preliminary) Design Philosophy Statement
- Contractor’s Environmental Management Plan (CEMP)
- New Zealand Urban Design Protocol
- NZTA’s Urban Design Policy
- NZTA’s Guidelines for Highway Landscaping
A5.6 Design Principles

<<Guidance note: This section should only be included if an Urban and Landscape Design Framework has not been prepared for the project during the I & R phase.>>

The Contractor’s detailed design shall give effect to the following urban design principles:

A5.6.1 Design in context
The design shall acknowledge the natural and built characteristics of the local area as well as the strategic policy context within which the project sits. The design shall facilitate opportunities to enhance local communities and the quality of the surrounding natural and built environment. The design shall complement the local sense of place, heritage features and areas of significance to Tangata Whenua.

A5.6.2 Identity and distinctiveness
The design shall reflect and contribute positively to the identity of the project area and add value. The design shall respond to the distinctive features of the surrounding environment e.g. coastal edge, waterways, open space and urban areas. Opportunities to create new gateway or landmark features sympathetic with the local character should be explored.

A5.6.3 Respect for heritage
Natural, cultural and built heritage features shall be recognised in the design proposal in a manner that preserves their integrity and meaning.

A5.6.4 Connectivity
The design shall consider connectivity by all modes of movement (walking, cycling, public transport and private vehicle). It shall offer people choice in their transport mode, where appropriate, and facilitate opportunities for safety improvements and for integration with other transport projects. The design shall integrate with the surrounding communities and movement networks.

A5.6.5 Respect for the environment
The design shall minimise its environmental impact through environmentally sustainable and responsive solutions. The project shall protect landscapes, ecological systems, biodiversity and cultural heritage values. It shall utilise green technology in the design and construction of the project and consider ongoing care and maintenance. It shall facilitate opportunities for well designed public open spaces and connectivity between green spaces and areas of ecology.
A5.6.6 Quality Design
The project’s structures and surrounding spaces shall be designed and built to a high standard.

A5.6.7 Public safety and security
Crime Prevention Through Environmental Design (CPTED), road safety, noise exposure and accessibility for the mobility impaired shall be considered in the selection and development of design solutions. The project shall contribute to a transport network that is safe with reduced opportunities for crime and the fear of crime.

A5.6.8 Development opportunities
The design of the project should seek to maintain and enable the development potential of the adjacent land where appropriate. Equally, where urban expansion is not planned for, the design of the project should seek to avoid stimulating demand for new development as a result of its design. Surplus land not required by the project post-construction shall be considered for uses that contribute to wider regional objectives including urban growth, open space, ecological enhancement or meet future mitigation needs.

A5.6.9 Users’ experience
The project shall be designed to present the users and surrounding neighbourhoods with a coherent, interesting and visually pleasant environment.

A5.7 Specific Design Objectives

<<Guidance Note: In addition to the design principles in section A5.5, there will be specific urban design objectives that should guide detailed design for the project. Examples of such objectives are provided below for information only. These examples may need to be amended, deleted or replaced to suit the specific project requirements.

Note that this section should only be included if an Urban and Landscape Design Framework has not been prepared for the project during the I & R phase.

Examples of Road Design Objectives

- Roadscape elements, such as lighting, signage, bridges, guard rails, fences and median barriers shall respond to the scale and character of the area through which the road passes. The impact of the roadscape elements shall be minimised by:
  - rationalising the number, design and location of roadscape elements where safety permits;
- considering exceptions to engineering design standard where there are particularly sensitive areas that require context specific designs;
- screening glare from road lights.

• The roadscape elements shall be context sensitive by:
  - establishing specific and unique design themes that respond to the local context, heritage elements and iwi values and develop appropriately coordinated design elements; and
  - co-ordinating the design of the roadscape elements with the design of major structures such as bridges and ramps, and with the landscape proposals.

• The road shall be designed to integrate with the surrounding environment. This may involve integration of the built structures with the adjacent landscape including mounding, planting, sympathetic retaining wall design and surface treatment.

• Where appropriate a strong gateway statement associated with a specific location should be made to create an identifiable element in the motorists journey. The design should reinforce the sense of place and contribute to the road users ‘mental map’.

• An artist shall be engaged to assist in the conceptual design of certain structural elements where appropriate. The artist shall consult with iwi representatives and the local community so that local features and themes can inform the design concept.

Examples of Noise Wall Design Objectives

• Where noise attenuation is required, alternatives to the use of noise walls should be considered. These include quiet road surfaces, earth mounds and the use of appropriate buildings and materials.

• Where noise walls are required the visual impact of the walls should be minimised as follows:
  - the design of the corridor shall be seen as a comprehensive piece of design rather than as an assemblage of separate elements. Noise walls must integrate with the design of the overall corridor and complement the road structures, landscaping and other roadscape elements;
Examples of Landuse Reinstatement Design Objectives

- Post construction portions of land may not be required for the operation and maintenance of the road. Opportunities for various further uses (such as Residential, employment, commercial, open space reinstatement) shall be considered, in liaison with the Engineer in suitable locations and incorporated into the Detailed Design. This will take into account the noise level, air quality, accessibility and amenity of the location post-construction and will have regard to adjacent land uses and local authority long term plans.

Examples of Landscaping Design Objectives

- Appropriately qualified and experienced ecologists shall be involved in the landscape planning and design process to increase the biodiversity outcomes of the design.

- A long term maintenance and management plan shall be prepared for the landscaped areas and included within the Asset Owners Manual. In particular, the plan shall include consideration of access issues associated with maintenance activities, agreements and delegated responsibilities.

- The landscape design shall be fully integrated with the overall road design process. In particular, it shall integrate with the acoustic, earthworks and stormwater requirements of the project.

- Where appropriate native species should be used in preference to exotic species.

- The design shall seek to improve the accessibility and visibility of existing open spaces from the surrounding street network and improve the usability, safety and amenity of the open spaces from the surrounding neighbourhood.

- The detailed landscape design shall consider riparian planning with indigenous species along the margins of the waterways.

- The landscaping must not obscure pedestrian paths or create hidden public spaces with poor surveillance.

Examples of Stormwater Wetland Design Objectives

- The stormwater wetlands shall be designed to restore native biodiversity and create attractive landscape and passive recreation features.

- The wetlands shall be located and designed so as to integrate with adjacent open spaces and not create barriers to pedestrian movement.

- The design shall integrate public safety considerations so that the wetlands do not require visible fencing.

- Appropriately qualified and experienced ecologists shall be involved in the wetland planning and design process to increase the biodiversity outcomes of the design.
Examples of Active Mode Design Objectives

- The design of the project shall provide for pedestrian and cycle movement and amenity. This should include suitable pedestrian and cycle infrastructure, crossing facilities, as well as measures to improve the amenity on either side of the road.

- Adequate pedestrian amenity shall be provided. This shall take into consideration the noise, the views, personal safety, overlooking by adjacent buildings, lighting, surface treatment, traffic calming and the width of footways and cycleways.

Examples of Public Transport Design Objectives

- The design of the project shall enable bus priority measures where appropriate.

Examples of Design Review and Liaison Objectives

- The Contractor shall employ an appropriately qualified and experienced Urban Designer whose role is to ensure urban design is integrated throughout the design and construction process. The urban designer shall work with stakeholders and other members of the team to deliver a quality urban design.
# Appendix B

## Producer Statements and Certificates

| PS 1 | Form of Producer Statement - Contractor’s Design |
| PS 2 | Form of Producer Statement - Design Check |
| PS 3 | Form of Producer Statement - Construction |
| PS 4 | Form of Producer Statement - Construction Review |
| PS 5 | Form of Producer Statement - Temporary Works |
| PS 6 | Form of Producer Statement Defects Liability |

| Cert/CC | Consultation Certificate - Construction |
| Cert/RSA | Road Safety Audit Certificate |
| Cert/ACD | Conceptual Design Certificate In Respect Of An Alternative Design Offered By The Contractor After Award Of The Contract |
FORM OF PRODUCER STATEMENT – CONTRACTOR’S DESIGN (PS1)

ISSUED BY: ...........................................................................................................................................

(Contractor)

TO: THE NZ TRANSPORT AGENCY

IN RESPECT OF: ...................................................................................................................................

(Description of Contract Works)

AT: ................................................................................................................................................................

(Address)

(Contractor) has contracted to the NZ Transport Agency to carry out and complete certain building works in accordance with a contract, titled ...................................................(the Contract).

(Contractor’s Head Designer) has been employed by the Contractor as Head Designer for the Contractor’s Design in accordance with the Contract.

I, ............................................. a suitably qualified design professional and duly authorised agent of the Contractor’s Head Designer confirm that the Contractor’s Design has been carried out with due skill, care and diligence as it relates to:

All of the Contractor’s Design

Part only of the Contractor’s Design as described below:

(delete that which is not applicable)

..............................................................................................................................................................

..............................................................................................................................................................

and I believe on reasonable grounds that it has been carried out in accordance with the contract and the documents listed below (or attached)

..............................................................................................................................................................

and has been accurately translated in Drawings and Specifications with the unique numbers listed below (or attached).

..............................................................................................................................................................

I agree that the terms used herein have the same meaning as assigned to them in the Contract.

..............................................................................................................................................................

(Signature of suitably qualified design professional and authorised agent of the Head Designer)

.............................................................................................................................................................. Date: ........................................

(Professional Qualifications / ERB/AERB Registration number details)

I ........................................ a duly authorised agent of the Contractor confirm on behalf of the Contractor that

a) The Contractor’s Head Designer named above has contracted with the Contractor to act as Contractor’s Head Designer;

b) I have been advised in writing by the Head Designer that ........................................ is competent in the relevant field(s) of design and is duly authorised to sign this statement as agent and on behalf of the Head Designer;

c) The subcontracting of any part of the Contractor’s Design or the signing of this statement does not relieve the Contractor of any liability or obligation under the contract; and

d) The terms used herein have the same meaning as assigned to them in the Contract.

.............................................................................................................................................................. Date ........................................

(Signature of authorised agent of the Contractor)
FORM OF PRODUCER STATEMENT – CONTRACTOR’S DESIGN CHECK (PS2)

ISSUED BY: .........................................................................................................................................................

(Contractor)

TO: .......................................................... ................................................... ........................................

THE NZ TRANSPORT AGENCY

IN RESPECT OF: .............................................................................................................................................

(Description of Contract Works)

AT: .................................................................................................................................................................

(Address)

…………………………………………… has contracted to the NZ Transport Agency to carry out and complete

(Contractor)
certain building works in accordance with a contract, titled .........................................................(the Contract).

………………………………………………………,………. (“Contractor’s Checker”) has been employed by the

Contractor as Checker for the Contractor’s Design in accordance with the Contract.

I, ............................................. ..... ……….   a suitably qualified design professional and duly authorised

agent of the Contractor’s Checker confirm that a check of the Contractor’s Design has been carried out with
due skill, care and diligence as it relates to:

All of the Contractor’s Design Part only of the Contractor’s Design as described below:

(delete that which is not applicable)

……………………………………………………………………………………………………………………………

……………………………………………………………………………………………………………………………

and I believe on reasonable grounds that the Contractor’s Design has been carried out in accordance with the
contract and the documents listed below (or attached)

……………………………………………………………………………………………………………………………

and has been accurately translated in Drawings and Specifications with the unique numbers listed below (or
attached) .

……………………………………………………………………………………………………………………………

I agree that the terms used herein have the same meaning as assigned to them in the Contract.

……………………………………………………………………………………………………………………………

(Signature of suitably qualified design professional and authorised agent of the Checker)

……………………………………………………………………………………………………………………………

(Professional Qualifications / ERB/AERB Registration number details)

I  …………………………..  a duly authorised agent of the Contractor confirm on behalf of the Contractor that

a) the Contractor’s Checker named above has been employed by the Contractor to act as checker of the
Contractor's Design;

b) I have been advised in writing by the Checker that ....................................................... is competent in the
relevant fields of design and is duly authorised to sign this statement as agent and on behalf of the
Checker;

c) the subcontracting of any part of the checking of the Contractor's Design or the signing of this statement
does not relieve the Contractor of any liability or obligation under the contract; and

d) the terms used herein have the same meaning as assigned to them in the Contract.

……………………………………………………………………………………………………………………………

(Signature of authorised agent of the Contractor)
FORM OF PRODUCER STATEMENT – CONSTRUCTION (PS3)

ISSUED BY: ........................................................................................................................................
(Contractor)

TO: THE NZ TRANSPORT AGENCY

IN RESPECT OF: ........................................................................................................................................
(Description of Contract Works)

AT: ....................................................................................................................................................
(Address)

.................................................................................................................................................................. has contracted to the NZ Transport Agency to carry out and complete
certain building works in accordance with a contract, titled ....................................................... (the Contract)

I ................................................. a duly authorised agent of ..........................................................
(Contractor)

believe on reasonable grounds that ........................................... ........................................... has carried out and completed
(Contractor)

All of the building works Part only of the building works as specified below:
(delete that which is not applicable)

..................................................................................................................................................................

..................................................................................................................................................................

..................................................................................................................................................................

..................................................................................................................................................................

..................................................................................................................................................................

in accordance with the contract.

I agree that the terms used herein have the same meaning as assigned to them in the Contract.

.......................................................... Date ..........................................................
(Signatory of authorised agent of the Contractor)

.......................................................... (Contractor)

.......................................................... (Address)
FORM OF PRODUCER STATEMENT – CONSTRUCTION REVIEW (PS4)

ISSUED BY: .................................................................................................................................

(Contractor)

TO: THE NZ TRANSPORT AGENCY

IN RESPECT OF: ............................................................................................................................

(Description of Contract Works)

AT: ...........................................................................................................................................

(Address)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)

........................................................................................................................................

(Contractor)
FORM OF PRODUCER STATEMENT – TEMPORARY WORKS (PS5)

ISSUED BY: .................................................. ................................................... ........................................

(Contractor)

TO: THE NZ TRANSPORT AGENCY

IN RESPECT OF: .................................................................................................................................

(Description of Contract Works)

AT: ...................................................................................................................................................

(Address)

…………………………………………… has contracted to the NZ Transport Agency to carry out and complete

(Contractor)
certain building works in accordance with a contract, titled ...................................................(the Contract).

………………………………………………………,………. (“Temporary Works Checker

) has been employed by
the Contractor as Checker of the Contractor’s Temporary Works design in accordance with the provisions of
8.13 of the Principal’s Requirements document.

I, ............................................. ..... ……….   a suitably qualified and experienced design professional and
duly authorised agent of the Contractor’s Temporary Works Checker confirm that a check of the Contractor’s
Temporary Works design has been carried out with due skill, care and diligence as it relates to the following:

………………………………………………………………………………………………………………… ……….

………………………………………………………………………………………………………………………….

and am satisfied that the Contractor’s Temporary Works design has been carried out in accordance with
sound engineering principles and standards and has been accurately translated in drawings and
specifications with the unique numbers listed below (or attached).

I agree that the terms used herein have the same meaning as assigned to them in the Contract.

……………………………………………………….. .................................................. ...................... ……………….    Date:   .......... ..................... ………….

(Signature of suitably qualified design professional and authorised agent of the Temporary Works Checker)

……………………………………………………….. .................................................. ...................... ……………….    Date:   .......... ..................... ………….

(Professional Qualifications / ERB/AERB Registration number details)

I …………………………………………………..  a duly authorised agent of the Contractor confirm on behalf of
the Contractor that

a) the Contractor’s Temporary Works Checker named above has been employed by the Contractor to act
as checker of the Contractor’s Temporary Works design;
b) I have been advised in writing by the Temporary Works Checker that ………………………………. is duly
authorised to sign this statement as agent and on behalf of the Temporary Works Checker;
c) the subcontracting of any part of the checking of the Contractor’s Temporary Works design or the signing
of this statement does not relieve the Contractor of any liability or obligation under the contract; and

d) the terms used herein have the same meaning as assigned to them in the Contract.

……………………………………………………….. .................................................. ...................... ……………….    Date:   .......... ..................... ………….

(Signature of authorised agent of the Contractor)
FORM OF PRODUCER STATEMENT – DEFECTS LIABILITY (PS6)

ISSUED BY: .................................................................................................................................
(Contractor)

TO: ............................................................... THE NZ TRANSPORT AGENCY

IN RESPECT OF: ..........................................................................................................................
(Description of Contract Works)

AT: ...........................................................................................................................................
(Address)

................................................................................................................................. has contracted to the NZ Transport Agency to carry out and complete
(Contractor)
certain building works in accordance with a contract, titled ...........................................(the Contract).

................................................................................................................................. ("Contractor’s Head Designer") has been engaged by
the Contractor as Head Designer for the Contractor’s Design in accordance with the Contract.

I, ................................................................................................................. a suitably qualified design professional and duly authorised
agent of the Contractor’s Head Designer confirm that reviews of the Contractor’s rectification of defects have
been carried out with due skill, care and diligence as it relates to:

All of the Contractor’s Design Part only of the Contractor’s Design as described below:
(delete that which is not applicable)

...........................................................................................................................................
...........................................................................................................................................

and I believe on reasonable grounds that these works have been carried out and completed in accordance with
the Contractor's Design.

I agree that the terms used herein have the same meaning as assigned to them in the Contract.

.................................................................................................................................
(Signature of suitably qualified design professional and authorise agent of the Head Designer)

................................................................................................................................. Date: .........................
(Professional Qualifications / ERB/AERB Registration number details)

I ................................................................................................................. a duly authorised agent of the Contractor confirm on behalf of
the Contractor that
a) the Contractor’s Head Designer named above has been employed by the Contractor to act as Contractor’s
Head Designer;
b) I have been advised in writing by the Head Designer that ............................................. is duly authorised to
sign this statement as agent and on behalf of the Head Designer;
c) the subcontracting of any part of the Contractor's Design or the signing of this statement does not relieve
the Contractor of any liability or obligation under the contract; and
d) the terms used herein have the same meaning as assigned to them in the Contract.

................................................................................................................................. Date.................................
(Signature of authorised agent of the Contractor)
CONSULTATION CERTIFICATE Ref: Cert/CC........

CONSULTATION WITH...........................................................(Name of Consultee)

1. We hereby certify to the Principal in respect of:

(Name of part of Contractor’s Design)

That we have consulted with ...........................................................(Name of Consultee) and have ascertained that they have no reasonable objections to the part of Contractor’s Design as described on the documents listed in Part 2 below.

We agree that the words and phrases herein, unless otherwise stated, have the same meaning as assigned to them in the contract.

Signed ____________________________ Name ________________________ Date ____________

HEAD DESIGNER (Authorised agent)

Signed ____________________________ Name ________________________ Date ____________

CONTRACTOR (Authorised Agent)

2. LIST OF DOCUMENTS

_________________________________________________________

_________________________________________________________

3. DECLARATION BY............................................................(Name of Consultee or the Principal’s Advisor)

On behalf of..............................................................I confirm that:

a) Consultations referred to above have been completed,

b) ............................................................. (Name of Consultee) has no reasonable objection to the Contractor’s Design as described on the documents listed in Part 2 above, and

c) The documents listed in Part 2 above meet all known requirements.

Signed ____________________________ Name ________________________ Date ____________

duly authorised to sign on behalf of ____________________________ Name of Consultee

4. RECEIPT OF THIS CERTIFICATE IS ACKNOWLEDGED

Signed ____________________________ Name ________________________ Date ____________

on behalf of the ENGINEER
ROAD SAFETY AUDIT CERTIFICATE

This Certificate refers to the Stage.............**Road Safety Audit applicable to the part of the Contractor’s Design defined below:**

1. We hereby certify to the Principal:
   (i)* that all the recommendations of audit report reference ................. have been incorporated in the Contractor’s Design and/or*
   (ii)* that alternative solutions to the safety issues raised by the audit have been agreed with the audit team and documented as an addendum to the audit report and incorporated in the Contractor’s Design.

We agree that the words and phrases herein, unless otherwise stated, have the same meaning as assigned to them in the contract.

Signed: .................................................. Firm.................................................................
HEAD DESIGNER (Authorised agent)
Name: .................................................. Date: ..............................................................

Signed: .................................................. Firm.................................................................
CONTRACTOR (Authorised agent)
Name: .................................................. Date: ..............................................................

2. Receipt of this Certificate is acknowledged

Signed: .................................................. Date: ..............................................................
on behalf of the ENGINEER

* Delete as appropriate

** Insert appropriate references
CONCEPTUAL DESIGN CERTIFICATE IN RESPECT OF AN ALTERNATIVE DESIGN OFFERED BY THE CONTRACTOR AFTER AWARD OF THE CONTRACT

SECTION 1 – To be completed by the Contractor

The Alternative Conceptual Design relates to the following parts of the Conceptual Design/Contractor’s Design (delete that which does not apply)

Description of the Alternative Conceptual Design:

Schedule of supporting information/drawings:

We hereby certify to the Principal that having determined that the Head Designer named in Section 2 below is acceptable to the Principal we have employed the Head Designer for the Alternative Conceptual Design described above and we further certify that we shall appoint the said Firm to act as Head Designer under the contract if our Alternative Conceptual Design is accepted by the Principal.

Name of Contractor: ................................................................. ...................................................
Address: .................................................................................................................................
Signed: .................................................................  Date ...................................................
Contractor (Authorised agent)

SECTION 2 – To be completed by the Head Designer

We hereby confirm that we have been appointed by the Contractor named at Section 1 above as Head Designer and that we have carried out sufficient work on the Contractor’s Alternative Conceptual Design described above to satisfy ourselves that the said Alternative Conceptual Design represents a reasonable response to and is capable of being developed in detail to meet the requirements of the contract.

Name of Firm: ................................................................. ...................................................
Address: .................................................................................................................................
Signed: .................................................................  Date ...................................................
Designer (Authorised agent)

SECTION 3 – To be completed by the Checker (if required by 8.11.2 of the Principal’s Requirements)

We hereby confirm that we have been appointed by the Contractor named at Section 1 above as Checker and that we have carried out sufficient work on the Contractor’s Alternative Conceptual Design described above to satisfy ourselves that the said Alternative Conceptual Design represents a reasonable response to and is capable of being developed in detail to meet the requirements of the contract.

Name of Firm: ................................................................. ...................................................
Address: .................................................................................................................................
Signed: .................................................................  Date ...................................................
Checker (Authorised agent)

SECTION 4 – Receipt of this Certificate is acknowledged (To be completed on behalf of the Engineer)

Signed: .................................................................  Date ...................................................
on behalf of the Engineer
Appendix C

Location, Description and Design Check Category of Principal Structures

C1 Location and Description of Structure
## C1 LOCATION AND DESCRIPTION OF STRUCTURES

<table>
<thead>
<tr>
<th>Structure Reference Number</th>
<th>Structure Title</th>
<th>Description &amp; purpose of Structure</th>
<th>Design Check Category Refer 8.2 (of these Principals Requirements)</th>
<th>Approximate Chainage (Metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>2.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>3.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>4.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>5.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>6.</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
<td>See note</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
</tbody>
</table>

NOTE: Design Check Category to be notified to Tenderer during tender period, following Tenderer's Consultation submission.

## C2

<<< Consultant to add any other pertinent information required >>>>
Appendix D
Survey Information

D1  Survey Information
D1  Survey Information

A Topographical Site contour plan (refer to Figure X, Appendix F of these Principal's Requirements) has been prepared based on aerial photography and field survey undertaken by registered surveyors. The field survey consisted of full width cross sections at approximately 15 metre intervals, with additional survey at all important changes in grade along the highway alignment.

The Contractor shall be responsible for his own interpretation of such information, and shall carry out any further survey he considers necessary to obtain an accurate profile of the Site to undertake the Contractor's Design and construction of the Project Name.

Vegetation clearance to facilitate additional survey shall be minimised, a plan describing the extent of any proposed vegetation clearance shall be submitted to the Principal two days prior to the survey commencing for comment.

D2  Consultant to add any other pertinent information required
Appendix E
Bridge Inspection and Maintenance Manual
Bridge Input Forms

<<<< To be supplied or state “This Section Not Used” >>>>>
Appendix F
Principal Supplied Drawings

F1  Principal Supplied Drawings
F2  <<< Consultant to add any other pertinent information required >>>>
### Appendices To The Principal’s Requirements

#### F1  Principal Supplied Drawings

<table>
<thead>
<tr>
<th>Drawing Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
</tbody>
</table>

<<< Guidance Note drawings may include (but not limited to)
- Overall Site Plan
- Site Access
- Plan & Long Sections
- Typical X-sections
- Bridge Details
- Specimen design plan and elevation
- Specimen design X-sections
- Survey Drawings
- Standard Details
- Lighting details
- Signage and Roadmarking details
- Landscape concept plan
- Guardrail detail
- Drainage detail
- Project Information Board
- Land Plan, (Ownership, Boundaries)
- Survey Information
- Existing Services
- Accommodation Works >>>>>>

#### F2  <<< Consultant to add any other pertinent information required >>>>>
Appendix G
Facilities for the Engineer

G1  Facilities for the Engineer
G2  <<< Consultant to add any other pertinent information required >>>>
Appendices To The Principal’s Requirements

G1 Facilities for the Engineer

The Contractor shall provide and maintain office facilities including secretarial support to the Engineer for the duration of the contract. The Contractor shall provide all reasonable consumables for all items included in this Appendix throughout the contract period. All equipment will remain the property of the Contractor at the end of the Contract Period.

<<<<<<Guidance Note: it is preferable that the Principal’s Agent, Contractor and Client are located in the same office. To this end the Contractor is to provide basic Administrative support, including the following. Specific requirements shall vary from project to project consideration shall be made to the following: >>>>>

- Number of Client/Principal Adviser Staff to be on site
- Shared/Sole use facilities (e.g. Offices, meeting rooms, kitchen, Toilet,)
- Office Area and number of offices, (e.g. 20m2 each), meeting room,
- Independent Telephone/Fax lines (state No. of lines required)
- Use of off road Vehicle / Parking
- Consumables, power supply, photocopying, tea making facilities
- Furniture, Fixtures and Fittings for how many people
- When required (e.g. Contract Start to 1 month past practical Completion)

G2 <<<< Consultant to add any other pertinent information required >>>>>
Appendix H
Resource Consents and Environmental Criteria

H1 Resource Consents
H2 Designation Conditions
H3 Erosion and Sediment Control
H4 Archaeological and Cultural Requirements
H5 Environmental Management
H6 Ecological Corridor
H7 Temporary Access Tracks
H8 Site Restoration
H9 Coastal Permit
H10 Stormwater Discharge Permit
H11 Earthworks Consents
H12 Building Act
H13 Property MoA’s
H14 Consultant to add as required...
H1 Resource Consents
The Contractor’s Design and the carrying out of the Contract Works shall comply with the following existing consents:-

• >>>>>>>>
• >>>>>>>>
• >>>>>>>>

Where there are differences in application or interpretation of all documents, the resource consents and the Environment Court decision on the Project Name take precedence over these Principal’s Requirements.

The Contractor shall obtain all other consents (or variations to existing consents) that may be required in order to proceed with the works. The Contractor shall advise the Principal and Engineer before acquiring any new consents (or modifications to existing consents).

Evidence of receipt of all consents shall be required prior to commencement of work, in accordance with the requirements of the Certification Procedures described in section 8 of The Principal's Requirements.

H2 Designation Conditions
<<<Describe conditions, if any>>>>

H3 Erosion and Sediment Control
Erosion and sediment controls shall be installed and maintained in accordance with the resource consents at all times. Erosion and sediment controls shall be in place prior to construction commencing on Site.

H4 Archaeological and Cultural Requirements
<<<E.g. Midden exists on the >>>>, Archaeological Site No refer Figures and of Appendix F of these Principal's Requirements. The Contractor's Design and the carrying out of the Contract Works shall comply with the following NZHPT archaeological authorities:-

• >>>>>>>>
• >>>>>>>>

Prior to works in that area, the Contractor shall also ensure the protocols established in are complied with.

<<add cultural requirements where applicable>>

Should any other archaeological sites be encountered in the course of the Contract Works the Contractor shall comply with Section 1.22 of the Principal’s Requirements.
Appendices To The Principal’s Requirements

H5 Environmental Management
The Contractor shall prepare and implement all environmental plans as set out in other parts of the Principal's Requirements.

<<< Guidance Note Other issues to be addressed may include the following >>>>

H6 Ecological Corridor

H7 Temporary Access Tracks

H8 Site Restoration

H9 Coastal Permit

H10 Stormwater Discharge Permit

H11 Earthworks Consents

H12 Building Act

H13 Property MoA’s

H14 <<< add any others as appropriate >>>
Appendix I

Accommodation Works

I1 Accommodation Works
I2 Summary of Accommodation Works
I 1 Accommodation Works
Accommodation Works are shown on Figure >>>> of Appendix F of these Principal's Requirements.

Guidance Note: Copies of Signed Land Entry Agreements and Purchase agreements to be included in this Appendix. If signed by property owner but still awaiting signature from LINZ, include here, but indicate it is draft >>>>>>

I 2 Summary of Accommodation Works
The following table provides a summary of landowner details and Accommodation Works. The Contractor shall refer to the Land Entry Agreements and Land Purchase agreements for a comprehensive description of Accommodation works requirements.

<table>
<thead>
<tr>
<th>Landowner / Occupier</th>
<th>Address</th>
<th>Scope of the Works</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Physical Address</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Physical Address</td>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix J
Utility Diversions and Requirements

J1 Utility Controlling Authority Contact Details
J2 Location of Services
J3 Materials supplied by Utility Controlling Authorities
J4 Utility Diversions and Requirements to be undertaken by Utility Controlling Authorities
J1 Utility Controlling Authority Contact Details

The locations given in this Appendix relate to the main line chainages where possible. Services that do not cross the main line are given approximate chainages.

<table>
<thead>
<tr>
<th>Utility</th>
<th>Address</th>
<th>Contact Person</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telecom New Zealand</td>
<td>PO Box XXXX, City</td>
<td>Name</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>Clear Communications</td>
<td>PO Box XXXX, City</td>
<td>Name</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>Tranz Rail</td>
<td>PO Box XXXX, City</td>
<td>Name</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>Electricity</td>
<td>0X XXX XXXX</td>
<td>0X XXX XXXXX</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>Gas</td>
<td>0X XXX XXXX</td>
<td>0X XXX XXXXX</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>District Council</td>
<td>0X XXX XXXX</td>
<td>0X XXX XXXXX</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
</tr>
<tr>
<td>Others, Consultant to list</td>
<td>0X XXX XXXX</td>
<td>0X XXX XXXXX</td>
<td>0X XXX XXXXX</td>
</tr>
<tr>
<td></td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
<td>02X XXX XXX</td>
</tr>
</tbody>
</table>

<<<<<< Guidance Note, utility controlling authorities include Local authorities which require diversions as well as telephone, electric and Gas >>>>>

J2 Location of Services

The location given in this Appendix relate to the main line chainages where possible. Services that do not cross the main line are given approximate chainages.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Chainage</td>
<td>Service, U/G? contractors work content, lead times</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Chainage</td>
<td>Service, U/G? contractors work content, lead times</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Chainage</td>
<td>Service, U/G? contractors work content, lead times</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Chainage</td>
<td>Service, U/G? contractors work content, lead times</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>Chainage</td>
<td>Service, U/G? contractors work content, lead times</td>
</tr>
</tbody>
</table>
### Appendices To The Principal’s Requirements

#### J3 Materials Supplied by Utility Controlling Authorities

The following materials shall be supplied by the Utility Controlling Authorities to the Contractor for use in the Contract Works.

<table>
<thead>
<tr>
<th>Utility</th>
<th>Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&lt;&lt;&lt;&lt;&lt; Materials e.g. ducts &gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&lt;&lt;&lt;&lt;&lt; Materials e.g. ducts &gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&lt;&lt;&lt;&lt;&lt; Materials e.g. ducts &gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;&gt;&gt;&gt;&gt;</td>
</tr>
</tbody>
</table>

*Guidance note, if no materials are supplied by Utility list the company and say Nil.*

#### J4 Utility Diversions and Requirements to be undertaken by Utility Controlling Authorities

Further to section 5.5.2 of the Principal’s Requirements, the following schedule identifies all service relocations to be carried out by the Utility Controlling Authorities. In connection with the Contractor’s Design and the Contract Works.

<table>
<thead>
<tr>
<th>Utility</th>
<th>Details</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&lt;&lt;&lt;&lt;&lt; location &gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;PS amount&gt;&gt;</td>
</tr>
<tr>
<td>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</td>
<td>&lt;&lt;&lt;&lt;&lt; location &gt;&gt;&gt;&gt;&gt;</td>
<td>&gt;PS amount&gt;&gt;</td>
</tr>
</tbody>
</table>

*Guidance note, if no diversions carried out by UCA’s and say Nil.*
Appendix K
Land Made Available by the Principal

K1  Land Made Available For The Contract Works
K2  Land Made Available For Temporary Works
K1  **Land Made Available For The Contract Works**

The extent of the land made available by the Principal for the Contract Works (the Site) is all land within the `<<Project Name >>>` Designation boundaries, between lines perpendicular to the alignment at distances `<<Start and Finish Chainages >>>`. Refer Figure `<<Appendix F of these Principal's Requirements.`

There is no entitlement under this contract for construction activities outside the `<<Project Name >>>` Designation boundaries. The Contractor may negotiate the use of areas outside the Site with adjacent landowner(s) and occupier(s) and shall obtain written evidence of this agreement signed by both the landowner(s) and the occupier(s). The Contractor shall bear full responsibility for negotiating, meeting all costs associated with gaining the use of this land, and for any matters arising with any party considered to be affected and shall indemnify the Principal against any claims. This shall include responsibility for all costs associated with determining the need for, acquiring, and complying with, any additional resource land use consents as required by the Resource Management Act and subsequent amendments.

K2  **Land Made Available for Temporary Works**

The extent of the land made available for `<<describe the temporary Works here >>>` is shown on Figure `<<, Appendix F of these Principal's Requirements.`
Appendix L
Schedule of Parties to be Consulted

L1  Parties to be consulted (3rd party signed Consultation Certificates required).
L2  Parties to be consulted (no 3rd party signature required).
L3  Resource Consent Consultations
L1 Parties to be consulted (and 3rd party signed Consultation Certificates required).

The Contractor shall consult with the following parties in conjunction with the Principal’s Advisor and provide consultation certificates signed by: the Contractor; and the third party or the Principal’s Advisor:-

a) Iwi
b) <<<<<<<< Regional Council
c) <<<<<<<< District Council
d) Department of Conservation
e) Submitters to the Resource Consent
f) <<<<<< List any other parties to be consulted here >>>

L2 Parties to be consulted (no 3rd party signature required).

The Contractor shall consult with the following parties in conjunction with the Principal’s Advisor and provide consultation certificates signed by the Contractor:-

a) Iwi
b) <<<<<<<< Regional Council
c) <<<<<<<< District Council
d) Department of Conservation
e) Submitters to the Resource Consent
f) <<<<<< List any other parties to be consulted here >>>

L3 Resource Consent Consultations

The Contractor is to be made aware of the obligations of NZTA to consult with the submitters as outlined in the conditions of the resource consents.
Appendix M

Access to the Site

M1  Access to the site
M2  Temporary access tracks
M3  Spanning Sensitive Watercourses
M4  Temporary fencing and stabilisation
M5  Archaeological Requirements
M6  Control of animals
M7  Consultant to add as required
<<<Guidance note, section 3.2 of the Principal’s requirements discusses access to the site, ensure this appendix adds value and does not just repeat section 3.2 >>>

M1  Access to the Site

The Site is located <<<<<<<<, and can be accessed solely from <<<<<<<<.

The Contractor shall be responsible for the maintenance of the whole of the site access roads until Practical Completion.

The Contractor may gain entry to any other part of the Site via private land only with the approval in writing of both the landowner and occupier. Access to private land from public roads shall be in accordance with the requirements of <<<<<<<< District Council. The Contractor shall bear the full responsibility for negotiating, paying for and bearing all costs associated with these accesses, and for any matters arising with any party considered to be affected by these accesses and shall indemnify the Principal against all claims. This shall include responsibility for all costs associated with determining the need for, acquiring, and complying with, any additional Resource Management Act consents or land use consents.

M2  Temporary Access Track(s)

If required by the Contractor, the Contractor shall be responsible for the design, construction and maintenance of temporary access track(s). The Contractor shall determine an appropriate standard of construction for temporary access track(s). The work shall include the provision of any drainage and retaining works necessary and reinstatement of the track to it’s original state when no longer required by the Contractor, or at Practical completion, whichever comes first.

Neither the temporary access track, nor any batters or retaining walls associated with the construction of the track, shall extend beyond the <<project name >>> Designation boundaries. The temporary access track shall be designed by the Contractor to give the least possible disturbance of the area.

Construction and maintenance of the temporary access track(s) shall comply with all provisions and requirements of the Resource Consent, the Site Specific Environmental Requirements. The Contractor shall demonstrate that the proposed access track(s) provides the least disturbance and destruction of the existing environment.

The temporary access track(s) shall <<< Describe acceptable construction e.g. have a durable crushed rock aggregate surface (no clay fines) or equivalent. The batters shall be stabilised using coir mats or similar, seeding, grassing or the use of hay bales is not acceptable >>>>

Surplus cut material arising from construction of the temporary access tracks may be temporarily disposed of on the NZTA owned land in the area designated on Figure <<<< of Appendix F of these Principals Requirements. All material placed on this land shall be stabilised with topsoil and grass. Surplus cut or fill material shall not be disposed of within the <<project name >>> Designation boundaries.
The Contractor shall, at all times, be responsible for complying with the requirements of the resource consent, with respect to silt and sedimentation control.

M3 Spanning Sensitive Watercourses
With the exception of one minimum width temporary bridge that shall span the stream, no construction activities are permitted in the Vegetation Buffer Zone (VBZ). The VBZ extends <<<< metres from each stream bank, along the banks of the stream(s) as shown on Figure <<<< in Appendix F of these Principals Requirements. Under no circumstances shall any permanent or temporary construction work be allowed within the confines of the VBZ. This zone shall be fenced off prior to the works (including the construction of temporary access track(s) commencing.

M4 Temporary Fencing and Stabilisation
The areas outside of the temporary access track, the vegetation buffer zone and work areas shall be fenced off, the minimum standard of temporary fencing shall consist of steel standards with two wires supporting orange plastic mesh. Fencing shall include installation of silt fences and other appropriate silt control measures, prior to construction commencing.

Stabilisation of embankments and cut batters within the bush areas is not to include grassing, hay bales or the seeding.

M5 Archaeological Requirements
A <<<<list archaeological features, e.g. midden >>> exists <<<< location >>>>, Archaeological Site No <<<<, refer Figures <<<< of Appendix F of these Principal's Requirements. Prior to works in that area, the Contractor shall ensure the protocols established in the <<<< are complied with.

Should any other archaeological Site be encountered in the course of the Contract Works the Contractor shall comply with these protocols.

M6 Control of Animals
No domestic or other animals are to be brought on to the Site. This requirement shall apply to the Contractor, sub-contractors, suppliers and visitors to the Site.

M7 Consultant to add as required