

#### Contract Awareness

The NZTA Perspective

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#### Procurement Model vs Contract Form

- NZTA uses a number of supplier selection (procurement) models - with differing focus on price
- Thereafter it is the contract form (delivery model) that influences the behaviours, performance and relationship
- NZTA uses a number of Contract Forms
- Selecting the correct Contract form is critical to the outcomes
- The focus of this presentation is on Contract Forms rather than supplier models.



## But Ahead of the Contract Form is the Relationship

- NZTA believes in strong supplier relationships
- It commits significant time and cost to establishing and maintaining these
- They are important if we are to have a sustainable supplier market
- NZ is a small country with a limited supplier market and must be able to work together.



# What we want from the supplier relationship

- Accountability but fairness
- Collaboration and cooperation
- Buy into our values eg good customer care
- Commitment to achieving best whole of life outcomes
- Value for money solutions and innovation
- Early cost certainty and no surprises
- Joint responsibility for building our credibility
- Shared risk with risk allocated to the best party able to manage it.



# How we build strong relationships

- Regular national liaison industry groups (ACENZ, NZCF, RNZ – separately and collectively through Industry Liaison Group)
- Regular regional meetings with individual suppliers
- National relationship managers for all significant suppliers
- Industry representation on business improvement projects (eg Headway)
- Industry engagement on procurement selection models and contract forms

### Critical Relationship Values

- NZTA treat Consultants fairly
- NZTA and its supervising consultant (the Engineer) treat contractors fairly – even if it costs more
- Suppliers must be able to win work at fair (realistic) prices
- Our supplier market must be sustainable ie Consultants and Contractors must be able to make a fair profit
- Suppliers must accept accountability for their performance.



## The general conditions of contract

- NZS 3910 sometimes said to not encourage collaboration when compared with NEC for example
- NZTA are a signatory to NZS 3910 and continue to support it
- NZTA believes that with strong relationships and values, NZS 3910 does deliver good outcomes through strong collaboration.

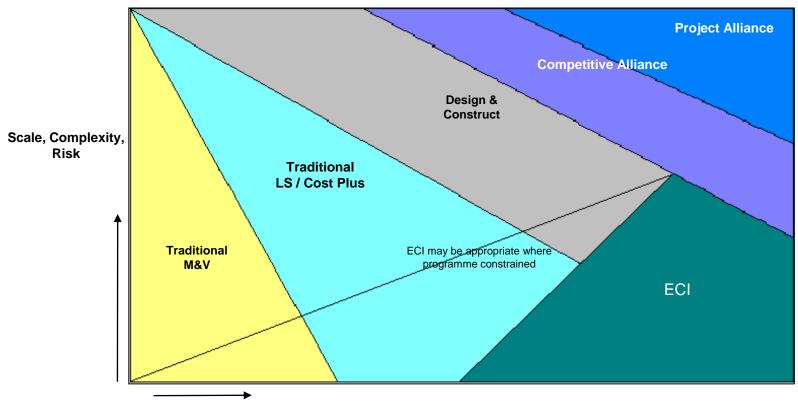


### Value for Money vs Lowest Cost

- NZTA wants to achieve whole of life value for money solutions
- Sometimes this can be obtained using lowest price tendering but generally this will not be the case
- Value for money outcomes are influenced by the delivery model (contract form) selected (Traditional, D&C, ECI, Alliances).



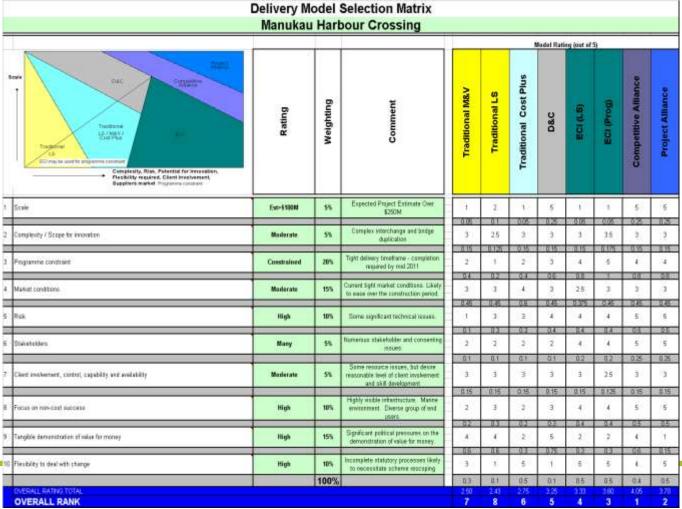
### Delivery Model - selection



Potential for Innovation, Flexibility required, Client Involvement, Supply Vs Demand, Programme constraint

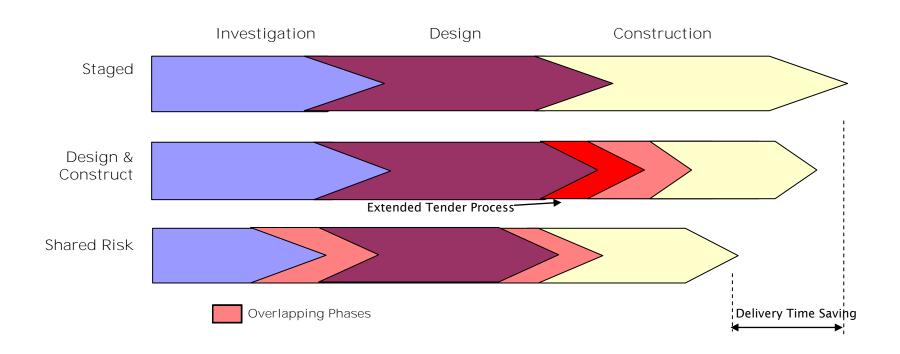


### Delivery Model - selection



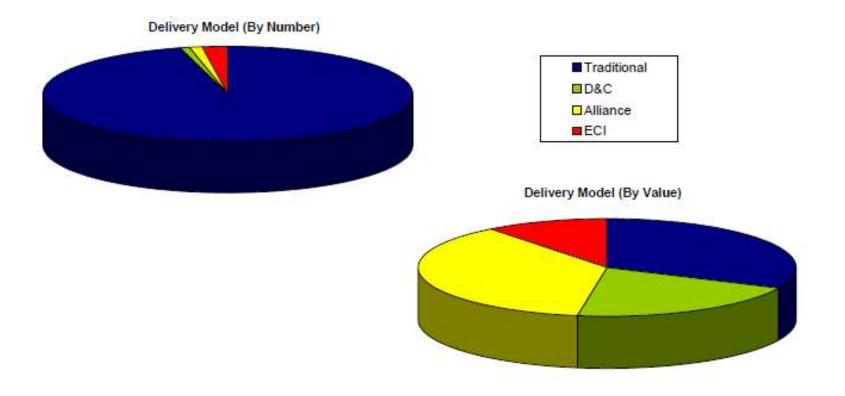


## Delivery Model - programme





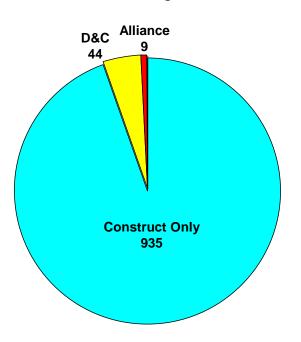
#### Delivery Model Options - NZTA

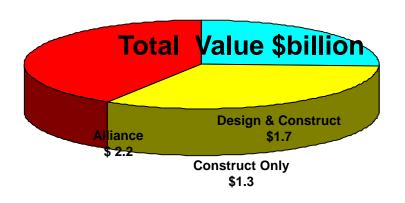




## Delivery Model Options – VicRoads Australia

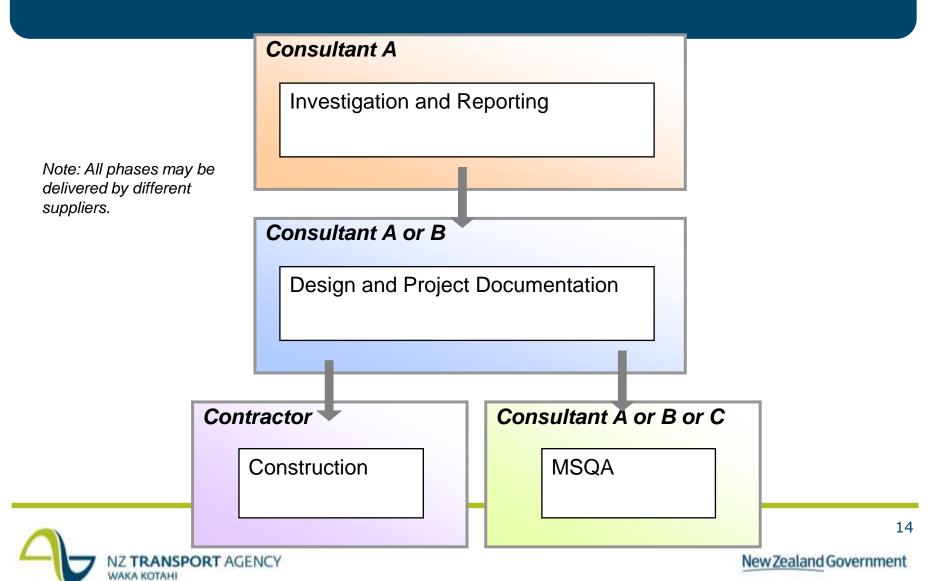
#### No. Projects







#### Traditional Model

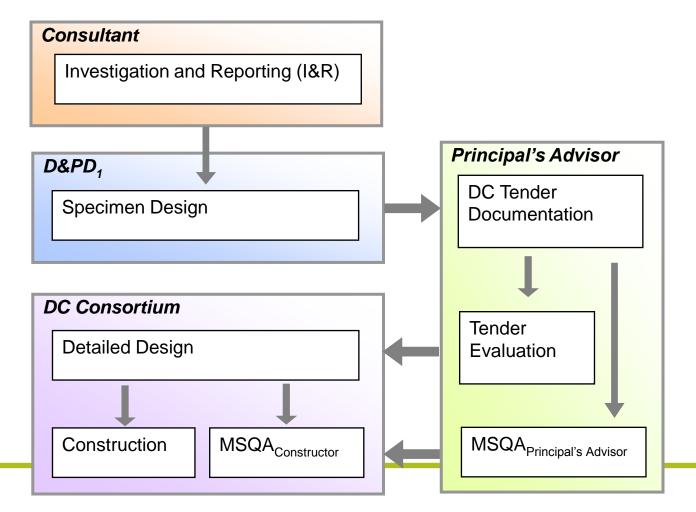


#### Traditional Model Characteristics

- strong competitive bidding
- simple tender process (inexpensive and short duration) encourages market entry
- few incentives to optimise design although alternatives are encouraged
- client retains risk despite limited ability to manage
- least cost and time certainty (LS vs M&V)
- co-ordination of participants costly to the owner
- increased probability of disputes (win : lose)
- limited constructor and designer collaboration



### Design and Construct Model



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## Design and Construct Model – Characteristics

- Encourages more innovation and optimal design solutions
- Transfer of manageable risk to the Contractor (in particular Design Risk)
- Eliminates the traditionally adversarial relationship between designer and constructor
- Higher level of early cost certainty
- Onerous on sectors design and estimating resource
- Lengthy tender process and a high cost of participation
- Can result in an earlier construction start.



## Early Contractor Involvement Model

- Initial evaluation using "best team" approach (no price tension)
- Single investigate, design and construct consortia (ideally!)
- Negotiated three separable portion model
  - SP1 Investigation Phase
  - SP2 Specimen Design Phase
  - SP3 Detailed Design and Construction Phase
    - Lump sum price based on agreed and defined risk allocation
  - Can terminate at any phase (particularly if a price cannot be agreed).



## Early Contractor Involvement Model –Characteristics

- Transfer of manageable risk to the Contractor (in particular Design Risk)
- Eliminates the traditionally adversarial relationship between designer and constructor
- Higher level of early cost certainty
- Can result in an earlier construction start
- Easy initial tender process (no price component)
- Complex later price negotiations
- Potentially encourages over conservative design rather than optimised design
- Increased programme agility.



#### Alliance Model

An Alliance is a contract model in which the owner(s), contractor(s) and consultant(s) work as an integrated team and their commercial interests are aligned with actual project outcomes

Initial evaluation using "best team" approach (pure alliance) or a combination of best team/price approach (competitive alliance).



#### Alliance Model Characteristics

- Collective risk sharing (good risk management)
- Strong ability to attract resources
- Fast selection process (for pure alliances)
- Not onerous on sector estimating and design resources (for pure alliances)
- Provides flexibility to react to unforeseen conditions quickly
- Open book environment
- Provides incentives for value engineered solutions
- Strong potential for innovation
- Incentive to consider whole of life cost
- Encourages collaborative behaviour over entire portfolio.



### Discussions/Questions



