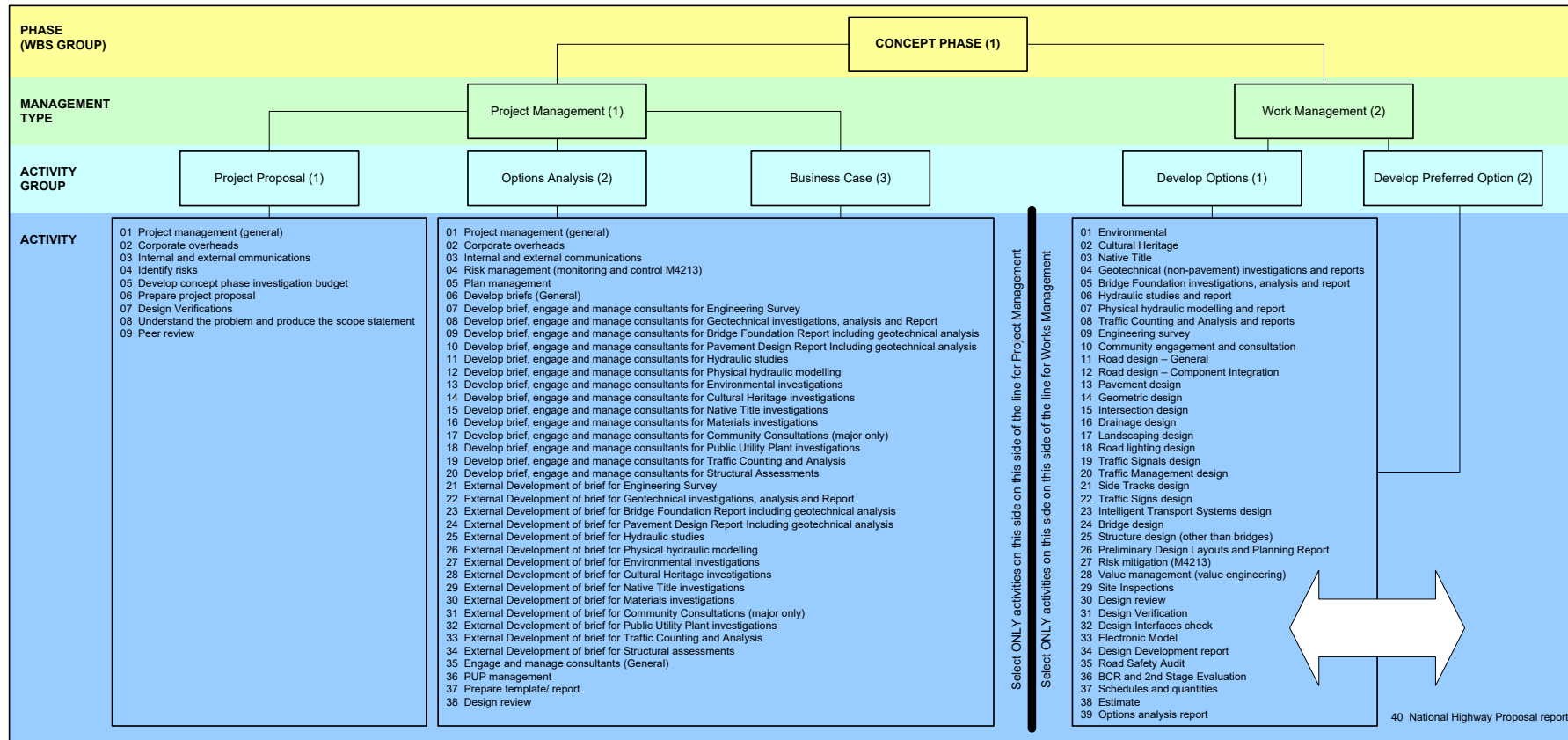




Annexure D

Work Breakdown Structure for Principal's Work Activities



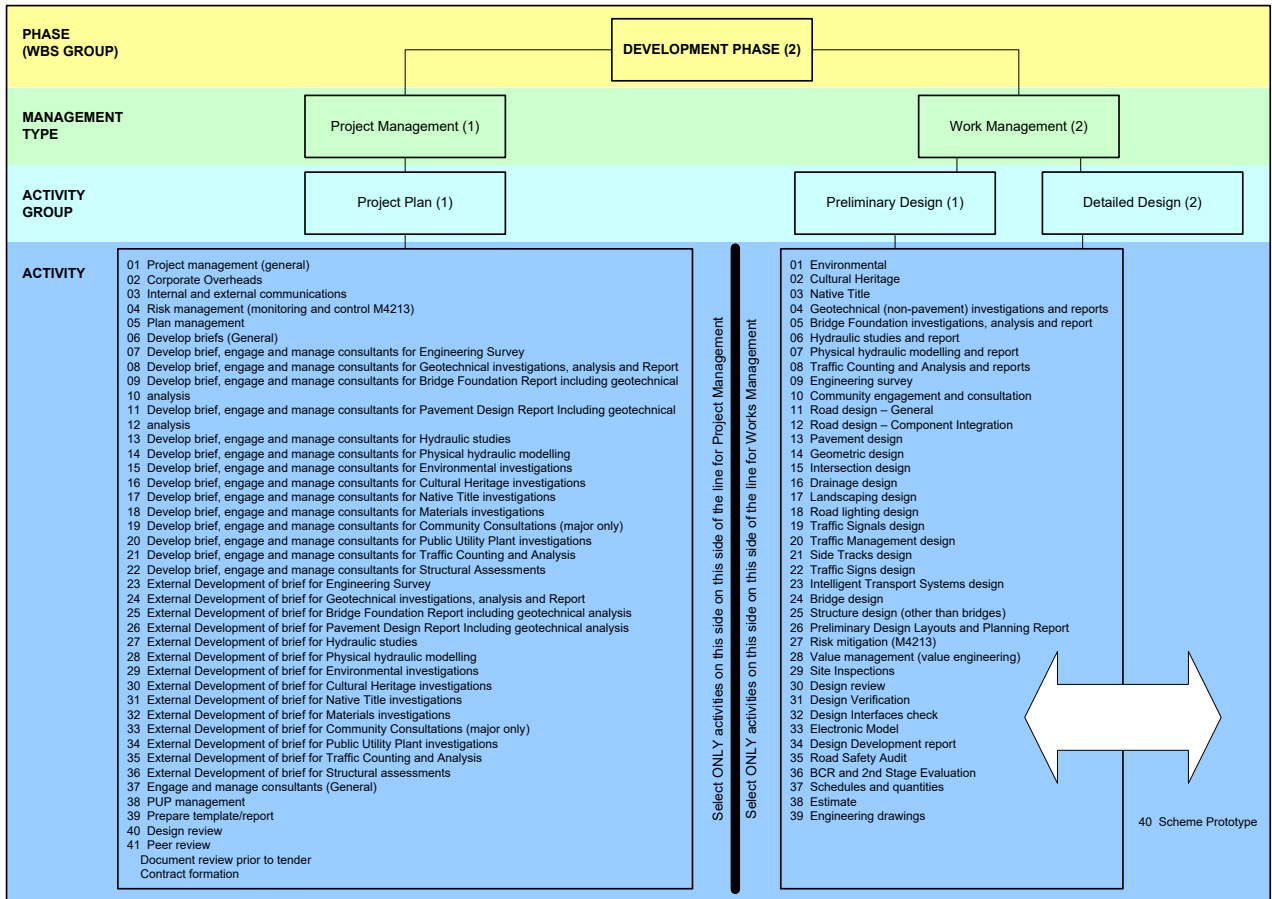
The full numbering of all concept phase activities may be determined from this chart using the following procedure:

- select the single digit code shown in brackets (1) following each of the Phase, Management Type and Activity Group headings
- select the required two digit activity code from the list of activities below the required activity group, and
- concatenate all the selected codes to form a 5 digit activity number.

For example, the activity number for the activity 'Prepare project proposal' is 11106, as follows:

Phase
 Management Type
 Activity Group
 Activity

1 1 1 06



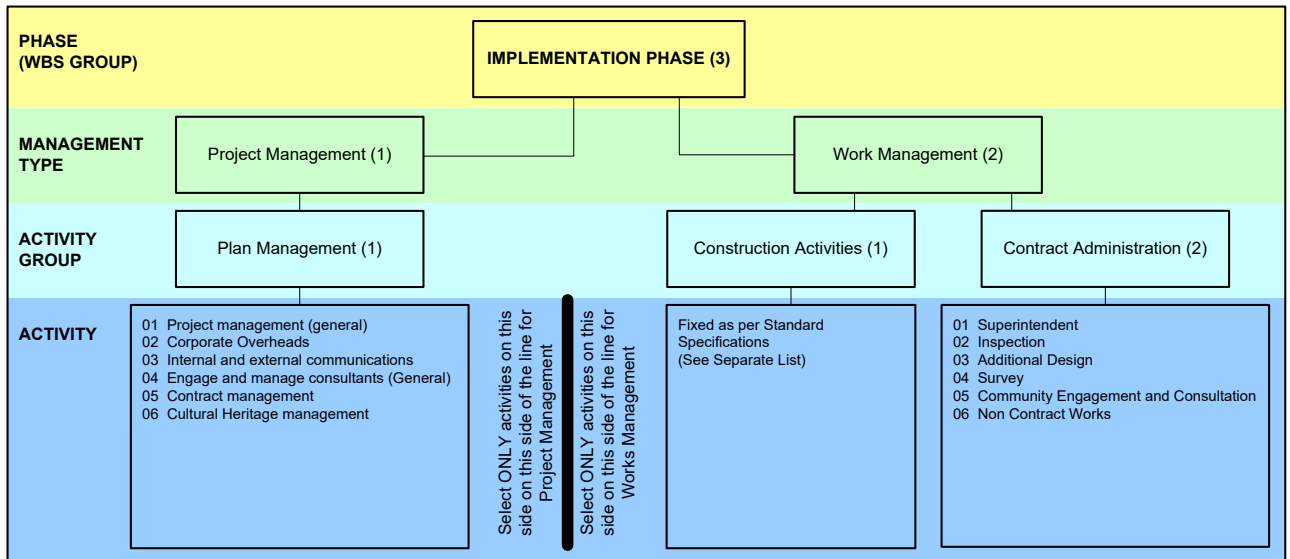
The full numbering of all development phase activities may be determined from this chart using the following procedure:

1. select the single digit code shown in brackets (1) following each of the Phase, Management Type and Activity Group headings
2. select the required two digit activity code from the list of activities below the required activity group, and
3. concatenate all the selected codes to form a 5 digit activity number.

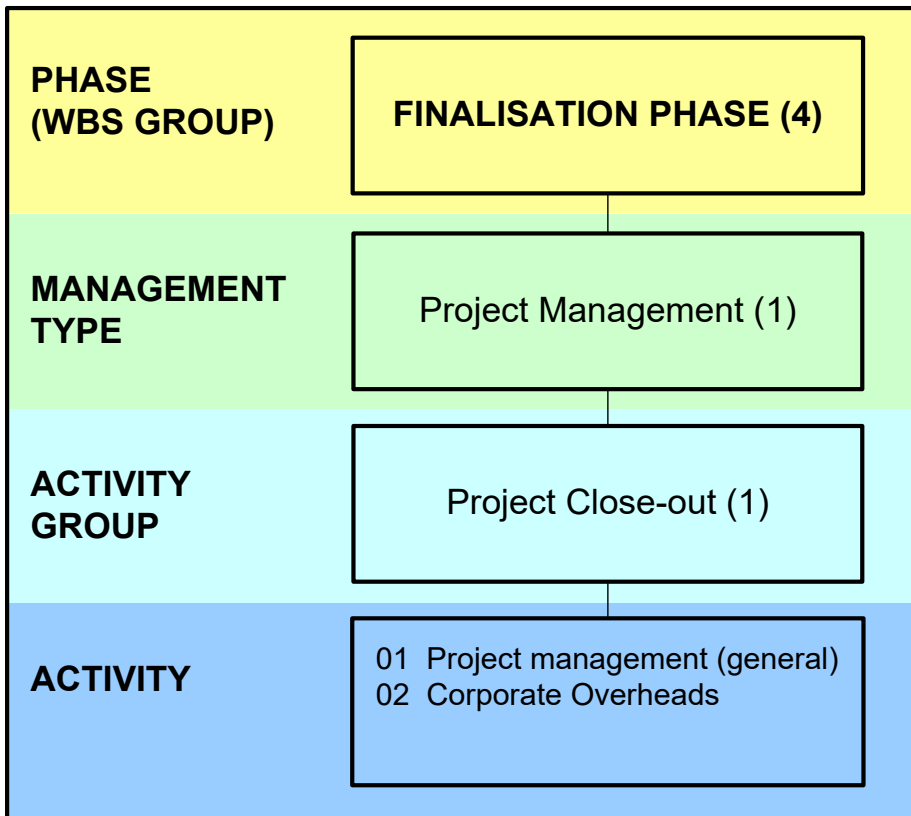
For example, the activity number for the activity 'Scheme Prototype' is 22238, as follows:

Phase
 Management Type
 Activity Group
 Activity

2 2 2 38



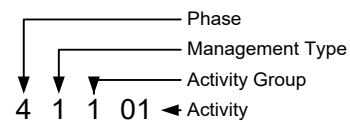
<p>The full numbering of all implementation phase activities (except construction activities) may be determined from this chart using the following procedure:</p> <ol style="list-style-type: none"> select the single digit code shown in brackets (1) following each of the Phase, Management Type and Activity Group headings select the required two digit activity code from the list of activities below the required activity group, and concatenate all the selected codes to form a 5 digit activity number. 	<p>For example, the activity number for the activity 'Contract management' is 31104, as follows:</p> <div style="text-align: center;"> <p style="margin-left: 20px;"> Phase Management Type Activity Group Activity </p> <p style="margin-left: 20px;">3 1 1 04</p> </div>
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The full numbering of all finalisation phase activities may be determined from this chart using the following procedure:

1. select the single digit code shown in brackets (1) following each of the Phase, Management Type and Activity Group headings
2. select the required two digit activity code from the list of activities below the required activity group, and
3. concatenate all the selected codes to form a 5 digit activity number.

For example, the activity number for the activity 'Project management (general)' is 41101, as follows:



PHASE (WBS GROUP)				
	PRINCIPALS OBLIGATIONS (50)			
ACTIVITY GROUP	Roadworks Materials (1)	Bridge Materials (2)	Works (3)	Other payments and costs (4)
ACTIVITY	01 Supply of culverts, [FOT FOG], from [supply location] 02 Supply of unbound pavement, Type [type], Subtype [subtype], from [supply location] 03 Supply of stabilising agent, [type], from [supply location] 04 Supply of cover aggregate [precoated un-precoated], [nominal size] mm nominal size, from [supply location] 05 Supply of cover aggregate [precoated un-precoated], [nominal size] mm nominal size, from [supply location] 06 Supply of prime cover material, [type of material], from [supply location] 07 Supply of bituminous material [material], [class/grade], from [supply location] 08 Supply of cutting oil, from [supply location] 09 Supply of adhesion agent, from [supply location] 10 Supply of bituminous emulsion [material], [class/grade], from [supply location] 11 Supply of portable concrete barrier, [height] mm high, from [supply location] 12 Supply of regulatory, warning and hazard sign faces, from [supply location] 13 Supply of direction and information sign faces, from [supply location] 14 Supply of project and recognition signs, from [supply location] 15 Supply of raised pavement markers, from [supply location] 16 Supply of Permanent Survey Markers, from [supply location] 17 Supply of traffic signal equipment [description]	01 [size] mm PSC piles oct, FOT ex works [location] 02 Driven steel piles, FOT ex works [location] 03 Driven steel piles, supply on Site 04 Driven steel pile stubs incl splice plates, FOT ex works [location] 05 Driven steel piles incl splice plates, FOT ex works [location] 06 Driven steel piles incl splice plates, supply on Site 07 PSC deck and kerb units incl transverse stressing units, FOT ex works [location] 08 PSC girders, FOT ex works [location] 09 Bridge traffic rail, steel, incl bridge traffic rail anchorages, FOT ex works [location] 10 Bridge traffic rail, steel, incl bridge traffic rail anchorages, supply on Site 11 Bridge balustrade, steel, incl bridge balustrade anchorages, FOT ex works [location] 12 Bridge balustrade, steel, incl bridge balustrade anchorages, supply on Site 13 Bridge safety rail, steel, incl bridge safety rail anchorages, FOT ex works [location] 14 Bridge safety rail, steel, incl bridge safety rail anchorages, supply on Site 15 Guardrail connector posts, FOT ex works [location] 16 Guardrail connector posts, supply on Site 17 Steel girders, supply only, [length] metres long (Refer Supp Spec No #)	01 Service investigations - water 02 Service investigations - sewerage 03 Service investigations - telecommunications 04 Service investigations - electricity 05 Service investigations - gas 06 Service investigations - Queensland Rail 07 Service alterations - water 08 Service alterations - sewerage 09 Service alterations - telecommunications 10 Service alterations - electricity 11 Service alterations - gas 12 Service alterations - Queensland Rail 13 Geotechnical investigations and monitoring 14 Environmental treatment [description] 15 Bridge inspections (Level 2) 16 Profile correction [description] 17 Pavement repairs [description] 18 Pavement marking [including excluding] raised pavement markers 19 Second seal coat [treatment], grade [grade], spray rate [spray rate], [including excluding] supply of binder, [location] 20 Supply and installation of safety barriers [description] 21 Supply and installation of fencing [description] 22 Supply and installation of traffic signal equipment, [description] 23 Alterations to traffic signals [description] 24 Provision of point of supply for connection to Electricity 25 Supply Authority's network 26 Supply and installation of temporary road lighting including connection to Electricity Supply Authority's network 27 Accommodation works 28 Removal of existing structures 29 Construction of dams 30 Remedial works (post-construction) Supply and installation of ITS equipment	01 National Highway oncost 02 Establish right-of-way 03 Compensation due to road infrastructure development 04 Public lighting charges 05 Cultural Heritage payments 06 Environmental fees and levies 07 Portable LSL levy and WHS fee 08 Principal arranged insurance 09 Legal and administrative 10 Performance Incentive Bonus (Surface Evenness)

The full numbering of all principal's obligations activities may be determined from this chart using the following procedure:

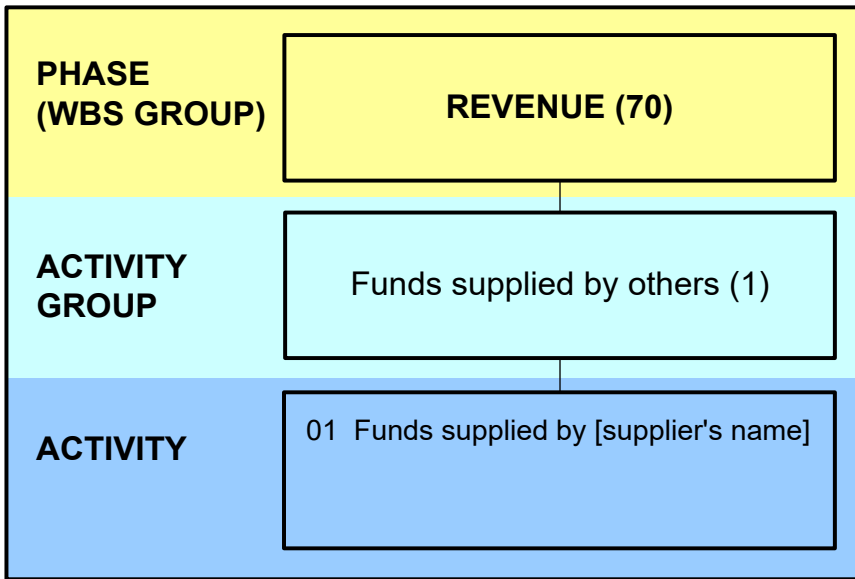
- select the code shown in brackets (1) following each of the WBS Group and Activity Group headings
- select the required two digit activity code from the list of activities below the required activity group, and
- concatenate all the selected codes to form a 5 digit activity number.

For example, the activity number for the activity 'Service investigations – water' is 50301, as follows:

Phase
 ↓
 50 3 03 ← Activity

PHASE (WBS GROUP)	PRINCIPALS CONTINGENCY ITEM (60)
ACTIVITY GROUP	Contingency allowances for risk (itemised in risk report) (1)
ACTIVITY	01 Approvals 02 Design 03 Environmental 04 Financial 05 Geotechnical 06 Organisational 07 Political 08 Procurement 09 Project management 10 Schedule 11 Stakeholder 12 Other

<p>The full numbering of all principal's contingency activities may be determined from this chart using the following procedure:</p> <ol style="list-style-type: none"> 1. select the code shown in brackets (1) following each of the WBS group and Activity Group headings 2. select the required two digit activity code from the list of activities below the required activity group, and 3. concatenate all the selected codes to form a 5 digit activity number. 	<p>For example, the activity number for the activity 'Geotechnical' is 60105, as follows:</p> <div style="text-align: center;"> <p style="margin-left: 40px;">Phase</p> <p style="margin-left: 40px;">Activity Group</p> <p style="margin-left: 40px;">Activity</p> </div>
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The full numbering of all revenue activities may be determined from this chart using the following procedure:

1. Select the code shown in brackets (1) following the WBS Group and Activity Group headings
2. Select the required two digit activity code from the list of activities below the required activity group, and
3. Concatenate all the selected codes to form a 5 digit activity number.

For example, the activity number for the activity 'Funds supplied by [supplier's name]' is 70101, as follows:

