

Appendix A: Example Design Review Plan

Design Review Point	Object of Activity	Timing/Date	Reviewers	Required Records
Ground Survey	Verify accuracy, completeness and compliance to standards. Review appropriateness for intended purpose.	Before commencing the concept design	Survey and Mapping Branch* Designer Project Manager	Review report Include impact in Preliminary Design Report Site visit report
Safety in Design	Ensure 201.8.2 Safety in Design (Standard Design Brief) has been completed.	Before commencing the concept design	Designer/Design Manager Manager Traffic & Safety, Manager Road and Traffic Engineering	Comment in Design Report File note
Concept Design	Review appropriateness. Approval in principal to Regulatory Traffic Control Devices (Traffic signals, Pelicans, Advanced Amber Waring Signs).	Before commencing the preliminary design	Project Manager/Senior Project Manager	File note, approval from Project Owner
			Road & Traffic Engineering*	Review report
Preliminary Site Investigation	Review outcomes and assess impact on design and on the project.	Before commencing the preliminary design	Designer/Design Manager Manager Traffic & Safety	Comment in Design Report File note
			Project Manager, Senior Project Manager Bridge Branch** Materials Manager*	File note Review report Review report
Waterways/Flood Analysis	Review outcomes and assess impact on design and the project.	Before Commencing the preliminary design	Designer / Design Manager	Include impact in Preliminary Design Report
			Project Manager Designer/Design Manager Bridge Branch/Waterways Engineer**	File note Preliminary Design Report Review report
Environmental Assessment & Management Plan (Includes Aboriginal (ethnographic, native title and archaeological), European, Japanese/Chinese, Heritage Council requirements for listed structures)	Review outcomes. Determine required clearances. Develop agreed Action Plans.	Before Commencing the preliminary design	Project Manager	File note
			Environment Branch*	Review report
			Designer/Design Manager	Include impact in Design Report
			Materials Manager	Review report
Preliminary Design	Review and amend design standards. Ensure design includes inputs from investigations. Ensure design meets stakeholder expectation.	Before commencing the detailed design	DEP; CALM	Response letters
			Project Manager	Letter/fax to Designer/Design Manager
			Road & Traffic Engineering*	Review report
			Senior Project Manager	ISA contractor responses
			Internal and external (Local Authority)	Memo/letters
External Stakeholders Traffic Operations Manager***	Correspondence/meetings Review report			

Design Review Point	Object of Activity	Timing/Date	Reviewers	Required Records
Detailed Geotechnical Investigation	Review outcomes and assess impact on design and on the project.	Before commencing the detailed design	Project Manager	File note
			Designer/Design Manager Senior Project Manager	Include impact in Detailed Design Report
			Bridge Branch**	Review report
			Materials Manager*	Review report
Road Safety Audit of Preliminary Design	Review Preliminary Design for Road Safety aspects.	Before commencing the detailed design	Project Manager	Memo, letter or facsimile engaging Road Safety Auditor
			Road Safety Auditor	Road Safety Audit Report
<i>Consider possible Interim Review activities, including those that may be required to satisfy stakeholder requirements</i>				
Detailed Design	Ensure design meets agreed standards. Ensure completeness, accuracy and consistency. Ensure Preliminary Design review and Road Safety Audit outcomes have been addressed. Ensure contractual issues implementation phase identified and addressed.	Before commencing the design documentation	Project Manager	Letter/fax to Design Consultant
			Road & Traffic Engineering*	Review report
			Senior Project Manager	ISA contractor responses
			Contract Manager, internal and external (Local Authority)	Memo/letters/e-mails
			External Stakeholders Traffic Operations Manager***	Correspondence/meetings Review report
Road Safety Audit of Detailed Design	Review Detailed Design for Road Safety aspects. Ensure Preliminary Design Road Safety Audit outcomes have been addressed.	Before commencing the design documentation	Project Manager	Memo, letter or facsimile engaging Road Safety Auditor
			Road Safety Auditor	Road Safety Audit Report
Contract & Technical Specifications	Ensure documents meet required standards (includes project-specific requirements) are complete and consistent.	Before advertising the tender	Project Manager	File note/fax to Design Consultant
			Independent Review by Contract Manager or Superintendent or Senior Project Manager	Memo/letters/e-mails
Design Documentation	Ensure Detailed Design review outcomes have been addressed. Obtain project owner approval for drawings and specification.	Before advertising the tender	Project Manager	File note
			Senior Project Manager Quantity Surveyor	Sign-off on drawings
Final Road Safety Audit of constructed road	Review outcomes and ensure design and identify opportunities for improvement.	Within one month of practical completion	Senior Project Manager	File note/letter to Project Owner

Notes:

- * Indicates subject to availability of resources to complete the review within the required timeframe.
- ** If Bridge or Waterways are part of the proposed works.
- *** Only if traffic signals are part of the Works