



Centre for Excellence & Innovation in Infrastructure Delivery

4-Year Plan for 2007-08 to 2010-11

List of Projects

As at 5 September 2007

This project list has been developed for the Centre for Excellence and Innovation in Infrastructure Delivery. It is a controlled document and will be constantly modified and updated as the CEIID program proceeds.

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Governance

	Project Description	Benefits
(a)	Establish a Program Management Office. CEIID PMO to be established within DTF, consisting of a Director, 5 program leaders and a research and business officer.	<ul style="list-style-type: none"> • Centralised coordination and leadership, dedicated resources.
(b)	Progress and benefits realisation reporting. Compares reform achievements against expected objectives and deliverables.	<ul style="list-style-type: none"> • Fulfils reporting requirements; and • Allows presentation of tangible benefits to stakeholders.
(c)	Infrastructure Announcements Develop and implement an across government approach to the announcement of infrastructure projects.	<ul style="list-style-type: none"> • Improved media management on the announcement of capital works infrastructure projects; • Improved consistency; • Improved understanding of the infrastructure/works process by the media.
(d)	Regional works procurement. Tailored solutions in each reform dimension, as appropriate.	<ul style="list-style-type: none"> • More viable and cost effective regional programs; • Supports the Government's Buy Local policy from a regional perspective (where appropriate).

Note: Shading denotes projects that have been identified as priority projects for 2007-08.

Policy and Process

	Project Description	Benefits
(a)	<p>Develop a suite of project management methodologies. This will support a consistent approach to staff training and development of support systems.</p>	<ul style="list-style-type: none"> • Improved management of project scope, cost and time. • More efficient and effective system support and training programs.
(b)	<p>Implement a project development process based on staged approvals. This will be based on the UK Government's Gateway Review model.</p>	<ul style="list-style-type: none"> • Stronger focus on project scoping, budgeting, risk management; and • Strengthened project management across the works agencies assisting in alleviating delayed project timeframes and scope creep.
(c)	<p>Value Management Studies. Promote the use of this methodology by sharing resources and training programs and experience.</p>	<ul style="list-style-type: none"> • Better defined business cases; and • Improved value for money outcomes.
(d)	<p>Develop maps that define best practice procurement processes. Identify common processes for the various types of works related procurement.</p>	<ul style="list-style-type: none"> • Stream lined processes; and • More efficient and effective procurement.
(e)	<p>A sector wide approach to contractor performance monitoring and management. Identify opportunities to capture and communicate works contractor performance on Government contracts.</p>	<ul style="list-style-type: none"> • Assists in managing potential risk; and • Assists in avoiding scope creep and timeframe delays.
(f)	<p>Review effectiveness of works procurement policies. Identify effectiveness and consistency of works policies across the works agencies.</p>	<ul style="list-style-type: none"> • More efficient and effective procurement; and • Improved consistency for industry.
(g)	<p>Review of the Public Works Act Review existing legislation with a view to identifying opportunities to modernise its application in relation to infrastructure related procurement.</p>	<ul style="list-style-type: none"> • Ensures works agencies are operating within a contemporary legislative framework.

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People and Skills Development

	Project Description	Benefits
(a)	<p>Skills development, training and career paths in works procurement.</p> <p>Identify opportunities for a common approach to staff training and development (eg project management, negotiation, training).</p>	<ul style="list-style-type: none"> • More skilled and more satisfied Government workforce; • Assists in attracting and retaining resources; and • Increased staff efficiencies.
(b)	<p>Development of knowledge networks in works agencies.</p> <p>Encourage subject matter specialists in both Government and the private sector to share best practice (eg on delivery mechanisms, packaging of projects, contracting strategies, risk sharing and reward etc.)</p>	<ul style="list-style-type: none"> • Increases skill and knowledge of all works procurement staff; and • Develops a culture of knowledge sharing across the public sector.
(c)	<p>Graduate Program.</p> <p>Establish a graduate program for up to eight graduates per year (to commence in the DTF, to rotate through the works agencies, and after 12 to 18 months find a substantive position in a works agency). This will supplement the existing programs now run in the individual agencies (not replace them).</p>	<ul style="list-style-type: none"> • Assists in attracting high calibre professionals to works agencies; • Provides a resource to support procurement reform agencies; and • Facilitates knowledge sharing between works agencies and DTF.

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Technology

	Project Description	Benefits
(a)	<p>A common project management system. Agreement to a common system to support a consistent approach to project management methodologies and training programs.</p>	<ul style="list-style-type: none"> • Increased consistency across Government; and • More efficient and effective system support and training programs.
(b)	<p>A more robust contract development and management system across works agencies. This is expected to come from the CDMS contracting software (provided by Open Windows) held by the DTF and now used for all OGP contracting – configured to meet works agencies' needs.</p>	<ul style="list-style-type: none"> • Migration to one package would create a standard platform for all users; • Increased consistency across Government; • Greater sharing of information; • More effective reporting tool for Government; and • Savings from avoiding duplicated systems development.
(c)	<p>A consistent approach to project administration and asset management to support the financial aspects of project management. This is expected to come from the Oracle ERP software held by the OSS, configured in a consistent way to meet works agencies needs. The likely modules to be configured are project management modules including project costing, management, billing and time and labour and enterprise asset manager modules.</p>	<ul style="list-style-type: none"> • Greater sharing of information; • More effective reporting tool for Government; and • Savings from avoiding duplicated systems development.
(d)	<p>A common property management system to support the management of property leases. This is expected to come from the Oracle ERP software held by the OSS, configured in a consistent way to meet works agencies needs. The likely modules to be configured are property manager modules.</p>	<ul style="list-style-type: none"> • More effective reporting tool for Government; and • Savings from avoiding duplicated systems development.

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Strategic Sourcing

	Project Description	Benefits
(a)	<p>Alternate project delivery mechanisms and risk sharing. Document and share the various approaches (eg alliance contracting, design and construction, facilities management.)</p>	<ul style="list-style-type: none"> • More innovative and improved risk management for major infrastructure projects.
(b)	<p>Shared marketing knowledge and intelligence across the works agencies. This involves establishing a process to build works agencies knowledge, market intelligence and access. Communicate market variability.</p>	<ul style="list-style-type: none"> • Improved building works agencies knowledge, market intelligence and access.
(c)	<p>Develop a suite of design documents and specifications. Establish a library of works procurement documents, which comply with industry best practice.</p>	<ul style="list-style-type: none"> • Decrease contractual risk; and • Improve consistency for industry.
(d)	<p>Develop a suite of consistent project costing business rules. This will support a consistent approach to project costing across the agencies – various approaches will be documented and shared eg price escalation.</p>	<ul style="list-style-type: none"> • Increased consistency for industry and agencies; • Improved value for money outcomes.
(e)	<p>Comprehensive approach to industry liaison. More collaboration, planning and sharing of issues and strategies by the works agencies.</p>	<ul style="list-style-type: none"> • Increased consistency across all works procurement for industry and agencies.

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