The Port River Expressway is the first stage of a comprehensive $1 billion program of works initiated by the South Australian Government with the support of the Australian Government’s AusLink program, reinforcing the Port of Adelaide and Osborne Maritime Precinct as a vibrant centre of activity and world-class import/export hub for the State.
$1 billion program of works

• Port River Expressway;
• LeFevre Peninsula Transport Corridor works;
• Deep Sea Port and Grain Terminal at Outer Harbor;
• Osborne Maritime Precinct;
• South Road improvements;
• Northern Expressway (upgrade of Port Wakefield Road and future 22km national network link).
Other Government Initiatives

• Snowdens Beach marina;
• Port Waterfront Redevelopment;
• Southcorp and Hardys wine export facilities.
Project history

“Over thirteen years of studies, consultation and project scope development”

1991 Port Adelaide River Crossing Preliminary Assessment of Options;
1992 Port Adelaide River Crossing Needs Study;
1995 VMS for Port Adelaide River Crossing – Gillman Highway Transport Link;
1997 Port Adelaide/Gillman Integrated Transport Corridor Study;
2001-2005 – Concept Development:

- 2001 - Port River Expressway Road Freight Industry Consultation including Waste Management Transport Routes;
- 2002 - Marine stakeholder consultation;
- 2003 - “What’s happening on the LeFevre Peninsula?” consultation;
- 2003 - Rail, Road and Marine stakeholder consultation re opening regime;
- 2005 - Rail Operation Workshops.

Port River Expressway
Key decisions by successive State Governments

- Feb 1998 – approval of Stage 1 and the adoption of opening road and rail bridges between Docks 1 and 2;
- Dec 1999 – re-affirmed route, project scope and funding;
- Sept 2002 – contract award for Stage 1 roadworks...

Port River Expressway
Key decisions by successive State Governments cont..

• April 2005 – confirmed project scope to be high-level opening untolled bridges (open twice daily);

• July 2005 – contract award for bridges to Abigroup Contractors Pty Ltd.
Port River Expressway - Stage 1

- Opened to traffic on 19 July 2005;
- $91.5 million of roadworks;
- Approximately 15,000 vehicles travelling via expressway per day;
- Landscaping works will be ongoing until August/September 2005;
- Premier named the South Road overpass the ‘Craig Gilbert Bridge’ in memory of the late Craig Gilbert.
Scope of contract

- Contractor has priced only what is specified in contract documentation:
  - Scope of Works, Deed, etc;
  - Lump Sum (fixed price) for Design, Construction and 10 yrs Maintenance.
- Risk Transfer:
  - Defined in contract documents and priced by Abigroup.
- Works limited to defined project site.
Approved project scope

• Four lane opening road bridge and single track, dual gauge opening rail bridge with heights of 10m above MSL:
  ➢ Location, height and alignment.

• Local roadworks:
  ➢ Francis Street;
  ➢ Eastern Bypass;
  ➢ Grand Trunkway Extension;
  ➢ Associated roadworks.

• Rail adjustment works:
  ➢ Port Flat Yard.

Port River Expressway
Project features

- Structural design of the bridges;
- Pedestrian and cyclist provisions;
- Staging to minimise impact of works;
- Landscaping and urban design initiatives;
- Project Plans, including:
  - Environmental Management;
  - Community Involvement;
  - Traffic Management and Safety;
  - Local Industry Participation;
  - Aboriginal Participation.

Port River Expressway

Abigroup
Roles

Government:
- Project Management;
- Contract Management.

Contractor:
- Project Delivery;
- Management of site issues (traffic, environment, etc.).
Abigroup Contractors Pty Ltd

- Very experienced company who undertake approximately fifty projects every year and have a good track record of delivering quality work to budget and on time;
- Have experience in designing, constructing and maintaining transport projects to a similar complexity as the Port River Expressway road and rail bridges and this provides confidence of successful delivery.
Approach to contract

- Scope of works is very prescriptive;
- Project site boundaries clearly defined;
- Manage interfaces with local businesses, local community and utility authorities;
- Defined sequence of works to interface with Stage 1, relocation of existing wagon storage and upgrading local roads;
- Interfaces with ARTC and TSD Traffic Control Centres;
- Compliance with environmental, safety and quality standard via the preparation of numerous Management Plans.
Community Involvement

A partnering approach between DTEI and Abigroup that is:

- committed to meeting the reasonable needs and desires of the community;
- proactive in keeping the community informed of progress of the works, significant milestones, design changes, changed traffic conditions, opportunities for input and other matters which are of interest or concern to the community.

A Community Involvement Plan has been developed to facilitate interaction with key stakeholders and the broader community.

Port River Expressway
Community Involvement

Methods will include:

• Community Liaison Group;
• Construction updates in Messenger;
• Public displays;
• Key Stakeholder Groups;
• 1300 telephone number, website;
• Public notices in Messenger;
• Letter drops.
Key issues for design

- Basic design parameters defined;
- Movable bridge with opening/closing time of 70 seconds;
- Back up power supplies;
- Manual means of opening/closing in 30 mins;
- Sleek lines and open structure;
- Glass curtain wall;
- River closures minimised to one 72hr closure and shorter closures;
- Lighting to complement urban design.
Port River Expressway
Project Program

Construction Program Dates

Contract award: 8 July 2005
Stage 2 completion (roadworks): 31 Oct 2007
Stage 3 completion (railworks): 30 Jun 2007
Set up site facilities: Aug 2005

Port River Expressway
Project Program cont..

Construction works

Foundation piling in river       Mid Oct 2005
Relocation of rail               Mid Nov 2005
Eastern Bypass/St Vincent Road   Dec 2005
Nelson Street/Victoria Street (services) Dec 2005
Foundation piling on land       Dec 2005
Bascule bridge structure        June 2006
Francis Street                  Aug 2006

Port River Expressway