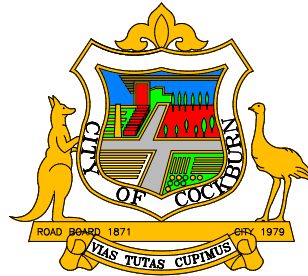


CITY OF COCKBURN



SPECIAL COUNCIL

AGENDA PAPER

**FOR
TUESDAY 19 JANUARY 1999**

CITY OF COCKBURN

SUMMARY OF AGENDA TO BE PRESENTED TO THE SPECIAL COUNCIL MEETING TO BE HELD ON TUESDAY, 19 JANUARY 1999 IMMEDIATELY FOLLOWING THE ORDINARY MEETING SCHEDULED FOR 7:30 P.M.

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1. APPOINTMENT OF PRESIDING MEMBER [IF REQUIRED]

2. PUBLIC ADDRESS SESSION

3. APOLOGIES & LEAVE OF ABSENCE

Clr N. Waters - Apology
Mr R. Brown - Apology

4. PURPOSE OF MEETING

TO DISCUSS THE COOGEE JETTY TENDER

5. (SCM1/99) - TENDER NO. 46/98 - CONSTRUCTION OF COOGEE BEACH JETTY (1903) (JR) (COASTAL) (ATTACH)

RECOMMENDATION

That Council resolve to accept the tender from John Holland Construction & Engineering Pty Ltd for Tender No. 46/98 - Construction of Coogee Beach Jetty, in the sum of \$697,736, being the tender sum of \$801,872 less \$104,136 for the following variations to the tender specifications:

- Replacement of secondary beams and bolting system for the main jetty deck with fastening of deck planks using coach screws through the centre beam and kerbing at the edges bolted at 0.5m centres to hold down the whole decking;
- Replacement of all stainless steel fastenings with galvanised fastenings, except for the stainless steel ladders;
- Replacement of timber and stainless steel handrails with standard Monowills galvanised steel railings and posts.

COUNCIL DECISION

Background

At the meeting of Full Council held on Tuesday 15 December 1998 it was resolved that a Special Meeting of Council be held as soon as practicable to discuss the Coogee Beach Jetty tender, and that Mr Smith from Kinhill Engineers be invited to attend that meeting to be available to answer any questions.

The following four (4) submissions had been received by the close of tender:

- | | |
|---|---------------------------|
| • Advantearing Civil Engineers | \$742,687 |
| • John Holland Construction & Engineering Pty Ltd | \$801,872 |
| • Errol Archer & Associates Pty Ltd | (\$880,065) |
| • Marine & Civil Construction Co Pty Ltd | (\$992,511) |
| | (\$604,860 (alternative)) |

Due to the high tender prices, the two lowest tenderers had been approached to provide adjusted tender prices after allowing for the following variations to the tender specifications which would be acceptable without compromising the integrity of the structure.

- Replacement of secondary beams and bolting system for the main jetty deck with fastening of deck planks using coach screws through the centre beam and kerbing at the edges bolted at 1.2m centres to hold down the whole decking.

- Replacement of all stainless steel fastening with galvanised fastenings, except for the stainless steel ladders.
- Replacement of FRP lower deck with galvanised Webforge WA 325 steel grating, fixed with galvanised bolts.
- Replacement of timber and stainless steel handrails with standard Monowills galvanised steel railings and posts.
- Option of removal of the southern section of the lower deck.

The following adjusted tender prices were then provided:

John Holland Construction	\$676,118 \$639,470 if southern lower deck removed
Advanteering Civil Engineers	\$702,739 \$651,458 if southern lower deck removed

Council's concerns in the variations were principally related to the use of galvanised fastenings and grates in the splash zone in lieu of the specified stainless steel fastenings and fibreglass (FRP) non-slip grates, and the subsequent integrity of the decking over time.

Submission

Kinhill Engineers have addressed issues raised at Council's meeting of 15 December and a copy of their letter is attached to the agenda. Their previous detailed tender evaluation was addressed in CDC12/98 19.1.

Following discussions on the item at the meeting of Full Council held on Tuesday 15 December 1998, the letter from Kinhill Engineers indicates:

- The installation of fibreglass (FRP) non-slip swimming deck grating in lieu of galvanised steel web grating is an extra \$18,818 in John Holland's pricing.
- Reduction of spacing of kerb bolts, to fix the deck planks, from 1.2m to 0.5m in order to increase structural integrity is an extra \$2,800 in John Holland's pricing.
- Clarification of the design life of galvanised gratings in the splash zone of between 12.5 years and 20 years, with subsequent protective maintenance paint coatings at 5 to 10 year intervals.

A jetty layout showing the upper and lower decks is also attached to the Agenda.

Report

There is an available budget of \$800,000 for the Coogee Beach Jetty project. An amount of \$53,684 is being held in the Reserve Fund also for future replacement of the Coogee Beach Jetty. If this is also made available, the total available budget would then be \$853,684 and made up as follows:

- Removal existing jetty \$ 30,000
- Consultant fees \$ 70,000
- On costs \$ 10,000
- New jetty construction up to \$743,684

Any savings under \$743,684 on the jetty construction will mean less loan borrowings as Council's \$800,000 budget allocation was based on loan funds.

It is considered that FRP swimming deck grating should be retained as it is easier to walk on barefoot and would not be as hot underfoot as steel grating when exposed to direct sunlight. The use of a larger number of fixing bolts which will strengthen the integrity of the deck planks under wave and wind action, should also be supported, together with the use of galvanised handrails and fastenings in lieu of stainless steel. The use of stainless steel would attract vandalism and theft and generate high replacement and repair costs, whilst the design life of galvanised fittings would be acceptable.

John Holland is also the preferred tenderer in this project as they own all their own equipment and expertise and are not almost totally reliant on a number of sub-contractors as Advantearing is.

The revised prices indicated in Kinhill Engineering's letter and based on the above use of FRP grating, closer spacing of bolts and galvanised fittings are as follows:

- Advantearing Civil Engineers \$702,739
- John Holland Construction \$697,736

Strategic Plan/Policy Implications

N/A

Budget/Financial Implications

The project can be completed within budget as per recommendation if specifically allocated Reserve Funds are released.