

Appendix D

St George Hospital Emergency Department – Options Considered

As previously identified in the SSD application and discussed in the response to Submissions table at Appendix C, 32 Options were considered for the location and design of the new Emergency Department (ED) at St George Hospital.

The purpose of this document is to provide information on the options analysis process so that the extent of analysis can be understood.

Background Chronology

- In 2010, the project was originally proposed as a \$10 million upgrade of the existing ED.
- Several series of site planning options were proposed for how to achieve this, including consideration of how to expand the ED to the west, south or east. At a Value Management session the team agreed to look at the option of a new building on Gray Street, on the basis that the other options would not enable the necessary health services to be provided effectively and without undue disruption of the hospital.
- After several months of further investigation of site issues, design and staging, the Options Analysis considered 33 options (including further development of some of the VM options).
- After the Options Analysis, the architects developed 10 additional sub options for how to plan the proposed new building at Gray St. At around the same time, the master planner was reviewing the site options for the entire hospital and developed option 11.
- All of these options together came to approximately 54 options (base case + 53 alternative new ED layouts) that were considered to create an ED that delivered the required clinical outcomes. Many of these were designed to retain Griffith House but in the end these options did not allow the ED to function optimally.
- The options considered are summarised below and described over.
 - “A” – 5 basic approaches with 11 sub-options
 - “B” – 33 options
 - “C” – 10 options
 - “D” – 1 option
 - “E” – 6 or more options

Options Considered

“A”

The following 11 sub-options are from the Value Management Review (VMR) dated 11.02.11:

Option Group	No of sub-options	Location	Notes
1	1	Existing ED refurbishment	Base case “keep safe and operating” (no new layout)
D	2	Existing ED + refurbish + expand to west	
E	1	New building at Gray St	
5	7	Urgent Care Centre (separate)	A UCC was proposed as a departure from the original upgrade brief, as an alternative way to expand capacity. Only 2 sub-options were presented to the VM Review.
G	Incl. above	Urgent Care Centre (integrated into ED)	

“B” -

The 33 options in the Options Analysis dated 21.09.11 are additional to those noted above (even though some names are similar) and are described below and were further explored and modified between February and September 2011.:

Option 1: Keep Safe and Operating

Option 2: Reconfiguration of the existing ED

Option 2A: Take over radiology 2 – temporary EMU

Option 2B: Move into Radiology 2 – permanent EMU

Option 3: Take over one level of Prince William Wing

Option 4: Take over Prince William Wing

Option 5: Take over Prince William Wing and Hydrotherapy

Option 6: Build new 2 storey ED in existing location

Option 7: Build new 2 storey ED in staff car park

Option 8: Expand into radiology and rebuild in west car park

Option A: New EMU and ED reconfiguration

Option B: Expansion into radiology

Option C: Expand into radiology and rebuild in west car park

Option D: Expansion into radiology

Option E: New ED on Gray Street

UCC Option 1: Stand alone UCC in car park [with ambulance bay]
UCC Option 2: Stand alone UCC in car park
UCC Option 3: 2 storey UCC in car park
UCC Option 4: Expansion into radiology
UCC Option 5: UCC located in courtyard adjacent to ED
UCC Option G: UCC locate within ED

Stage Option D 1a: Resus and paediatrics
Stage Option D 1b: Resus and waiting/triage area
Stage Option D 2 : Expansion into radiology
Stage Option F 1: UCC, Resus and paediatrics
Stage Option F 2 : Expansion into radiology
Stage Option F 3 : Reconfiguration of existing ED

VM Option 1: Keep safe and operating
VM Option D: Expansion into radiology
VM Option E: Build new ED in service and maintenance area
VM Option 5: UCC located in courtyard adjacent to ED
VM Option G: UCC located within ED

“C” Further development of option E

In October 2011, HPI architects provided 10 further options for how to provide a new building at Gray St. These included trying to retain Griffith House.

“D” Option 11

In October 2011, Billard Leece Architects (in their role as master planner) provided option 11 which is a further option for how to provide a new building at Gray St.

“E” Further development of option 11

Subsequent to October 2011, HPI architects further developed Option 11.

The following aspects of Option 11 were adopted (to ensure functional relationships to the existing hospital) and considered fixed by the project team in terms of any further development of the planning of Option 11;

- All clinical functions for the new ED to be on one level being the ground floor.
- Location and access of the Main Entry to the new ED.
- Location and access of the Ambulance Bays.
- Connections to the existing hospital via both the Clinical services Building and the West Wing of the Ward tower Block on Ground Floor Level.
- The resultant enclosure of the existing loading dock ‘court yard’ and the relocation of these functions to the New Services Building.

The primary objective of the development of Options 11.1 – 11.6 and 11.6a – 11.6d was the testing of:

- Further development of the clinical functional relationships within the new ED as well as their functionality in relation to the existing hospital functions.
- Various options for future expansion on the ground and upper levels.
- The location of the ED administration offices.
- Maintaining the existing Ausgrid substation in its existing location being within the footprint of the new ED.