NATIONAL HEALTH AND HOSPITALS NETWORK - NATIONAL PARTNERSHIP AGREEMENT ON IMPROVING PUBLIC HOSPITAL SERVICES

PROJECT IMPLEMENTATION PLAN
FOR

- **EMERGENCY DEPARTMENTS – LOGAN**
- **EMERGENCY DEPARTMENT IMPROVED PATIENT FLOW – LOGAN**

SCHEDULE A –Elective surgery National Access Guarantee and Targets
SCHEDULE B – Elective Surgery Capital Funding
SCHEDULE C – ED (Facilitation and Reward)
SCHEDULE D – Emergency Department Capital Funding

Project number:	4
Hospital/Location (not area health services generally)	Logan Hospital Cnr Armstrong & Loganlea Roads MEADOWBROOK Qld 4131
Project Description	The following projects will be funded by the 2009-10 Emergency Department and Elective Surgery components of the National Health and Hospitals Network – National Partnership Agreement on Improving Public Hospital Services. **Emergency Departments** - Logan Hospital expanded ED services - Total capital cost $25.24M Elective Surgery - Logan Hospital ED improved patient flow - Total capital cost $21.9M Further breakdown of the allocation of $21.9M for elective surgery and $25.24M for emergency department (totals $47.14M) is as follows: • $7.67M for multi-level car park with approx. 350 spaces. Cost includes improving site access with new ramping and new additional entrance to the ED/hospital off Loganlea Rd; • $12.14M for new expanded ED building, including significant future proofing in the structure to allow for future multistorey expansion to meet future health needs; • $1.0M for 14 paed inpatient beds (refurbishment); • $19.0M for 23 hour day ward and elective surgery area; • $7.33M for staff workplace facilities, educational space and functional connections to existing hospital. In addition to the above, there is $50M for sub-acute, making the total project implementation plan of $97.14M. Cost of car park is $8% of the total project budget. The total new project budget for Logan including the $97.14M for car park/ED and $48.1M (already committed by Govt) total project cost of $145.24M. 5.28% is proposed to be allocated for additional car parking. <u>$7.67 million for car parking</u> The budget allocation of $7.67 million is to provide approximately 350 car parks.

	The additional services provided by the requested COAG funds equates to the need for approximately 168 additional car parks for people accessing these services and the additional 296 staff including 215 clinicians, to provide the additional services. The existing Logan Hospital has ambulatory non-acute services on Level 1 with their acute services on Level 2 including their existing ED. To enable functional and safe clinical flows between the new ED and the existing Logan acute services, the new ED is planned to be built onto Level 2. The location of the new clinical block will be sited on an existing car park. This car park is significantly lower than Level 1 of the hospital. Due to the height of the existing Level 2 of the hospital above the car park where it is proposed that the new ED be constructed and to comply with road gradient levels for the internal road and ramp access, a Level 1(a) is required to be incorporated in the design. To make use of this required Level 1(a) structure, 150 car parks will be provided on this level. The majority of this Level 1(a) space will be used to accommodate a suspended plant (electrical, hydraulic and air handling services) for this building. This is effective and cheaper than other options. On Level 2, the new ED will be located with other required supporting infrastructure including ramp access for emergency and public vehicles plus parking for the emergency vehicles, disabled and short term parking for emergency patients transported by personal vehicles including drop off spots for staff, patients, relatives and visitors. Therefore the undercroft, foundations and columns plus majority of the Level 1(a) space of the new clinical block is a requirement regardless of the use for car parking. Discussions have occurred with the project Quantity Surveyors to determine a cost. As it is integral to the building, it is difficult to separate out the car parking costs. The main costs relates to cost of lines, signs, plus the concrete extension of the required Level 1(a). To make use of structures which are required for the building and use for car parking purposes, is less than $1.5M. In summary: - The new building would be built on the location of the existing 300 space staff car park. This will therefore need to be replaced. - To provide quality safe and accessible care there is a requirement that the new ED links in at Level 2. - The additional cost of replacing the staff car parking as a component of the new build is less than $1.5M <u>$7.33M for staff workplace facilities, educational space & functional connections to the existing hospital.</u> The workplace facilities and educational space are for the additional approximately 215 clinicians who will provide clinical services in the new ED, Rehabilitation and day procedural area. This space is space for clinicians, small meeting rooms and other space for training purpose. Total cost of this space is approximately $3M. The remaining cost is the functional connection between the existing acute services and the new ED which are both located on Level 2.

	Total capital cost of above projects = $47.14M This will fund critical enhancements to the current planned expansion of the Logan Emergency Department (ED). **Prior Commitment/Announcement:** The current allocated funding of $48.1 million ($33.1 million Faster Emergency Care in our Hospitals and $15 million Area Demand Management) provides for an additional 18 adult ED treatment spaces, dedicated paediatric waiting area, 12 paediatric ED treatment spaces, 8 paediatric short stay beds, 3 paediatric OPD consultation rooms in redundant infrastructure. **In Addition to Prior Announcements:** The additional $47.14 million includes – New expanded Emergency Department (ED) building. – 14 paediatric overnight beds – multi-level car park with approx. 350 car parks – The new expanded ED will provide significant future proofing in the structure including the capacity for multistorey expansion for acute health services. This is designed so as to enable further infrastructure expansion to meet future health service needs. – workplace facilities for medical and other staff – educational space – functional connections to existing hospital – improved site access with a new additional entrance to the ED – 23 hour day ward and elective surgery area that includes, 2 procedures rooms, 6 day ward recovery spaces and 12 x 23 hour inpatient beds Notes: – Logan Hospital has one of the busiest Emergency Departments in the State. – Logan Hospital ED is significantly undersized. The current 34 treatment bays cater for approximately 67,000 attendances per annum. – There continues to be significant increases in service demands. Demand drivers are population growth, population demographics and the level of social disadvantage in the local community. Other capital projects at Logan include. 1. Ambulatory Services Building (Logan Hospital Annexe) to be delivered by December 2010 – $18.9 million project. – Frees up space in the Logan Hospital to enable improved throughput of acute services. – Creates dedicated ambulatory service centre separate from the acute environment. – Private Practice clinics to increase from 4 to 18 consultation rooms. – Expanded Renal Dialysis Service from 9 to 21 chairs plus home dialysis training capacity of 4 chairs – Endoscopy facility – Expanded Day Therapy Unit for outreach cancer services 2. Mental Health Developments: ▪ 25 bed Adult Inpatient Unit, Logan Hospital: – $17.46 million project – Construction will commence in November 2010, for completion in December 2011.

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Relationship with other Commonwealth or state funded activities	Total estimated cost of ED Expansion is $95.24 million. Funding consists of: – $33.1 million, Faster Emergency Care in our Hospitals (Commonwealth funded); – $15 million, Area Demand Management (State Funded); – $21.9 million, COAG Elective Surgery - Logan – Expanded services (Commonwealth funded). – $25.24 million, COAG Emergency Departments – Logan – Expanded ED services (Commonwealth funded) Related Logan capital projects: – $18.9 million Logan Annexe - Ambulatory Services Building (State Funded) – $17.46 million Logan Hospital - Adult Inpatient Mental Health Unit (State Funded) – New sub-acute ward space, Logan Hospital: – $50 million project – There are currently no rehabilitation beds at Logan Hospital. Other state government projects: – $1.283 billion Queensland Children's Hospital (State Funded).
Expected improvement as a result of this project	• Significant contribution by Logan Hospital to the NPA ED clinical performance incentives • Significant contribution by Logan Hospital to the NPA elective surgery and sub-acute clinical performance incentives • Expanded Paediatric Emergency Service that will complement the services provided from new Queensland Children's Hospital, and will enable families to receive health care including emergency care closer to home in Logan. • Emergency Medicine Services are an essential gateway to the acute care system. Additional ED treatment spaces will increase access to safe and sustainable health services. • Additional ED capacity will assist in reducing waiting times and increasing the number of patients seen. • Increasing ED treatment spaces will provide services to meet demand from sustained population growth. • Improved paediatric care from presentation to ED, through to admission and discharge. • Presently, large number of patients flow out of their local community to receive health services, predominantly at Brisbane Hospitals. The current redevelopments will reverse some of that flow. • improved ED flows and reduced ambulance ramping • provides full requirements as identified in SEQPPR • improved beds access through freeing up existing beds by establishment of 23 hour ward and rehabilitation beds • minimal disruption to the existing hospital operations during construction • significant general clinician satisfaction and improved recruitment & retention • workplace facilities for medical and other staff • expanded car parking with multi-storey car park with 350 additional car parks • building cost and staging synergies • new multi-storey clinical building with some shell space which can be vertically extended • efficiently utilises the site and resolves existing limitations to site access • significant future proofing with staging ability for any future expansions • creates the necessary functional links between departments

	• creates opportunity to develop a sense of 'place and community' that is currently lacking • aligns with strategic plans of other government agencies i.e. Rail, Transport and Main Roads, Queensland Police Service, QAS • provides innovative solution to the separation of pedestrian/vehicle traffic • overall better value for money
Estimated Cost	The estimated cost for Logan Hospital expanded ED services is $25.24M capital and $52.63M output. The estimated cost for Logan Hospital ED improved patient flow is $21.9M capital and $17.78M output funding. The additional $47.14 million will fund critical enhancements to the current planned $48.1 million expansion of the Logan Emergency Department (ED), bringing the total expansion funding to $95.24 million. The total estimated cost of all capital projects at Logan is $190.62 million.

	2010-11	2011-12	2012-13	2013-14	Total
Capital Schedule D (Expanded ED Services)	4.24	12.5	8.5		25.24
Operational Schedule C			25.80	26.83	52.63
Capital Schedule B (Patient flows)	1	4.6	16.3		21.9
Operational Schedule A				17.78	17.78
Total	5.24	17.10	50.60	44.61	117.55

Estimated Start Date	Mid 2011 for expanded ED and new sub-acute ward area. This will be confirmed after the appointment of the Managing Contractor, which is forecast for Mid 2011.
Estimated Completion date	Late 2013 for expanded ED. As above – the Managing Contractor will produce a construction program that will provide greater confidence in the completion date.

FINANCIAL STATEMENT

Project No.	Project Description	Estimated cost
1	Emergency Departments - Logan – Expanded ED services – Capital funding	$25,240,000
2	Emergency Departments - Logan – Expanded ED services – Output funding	$52,630,000
3	Elective Surgery – Logan – Improved Patient Flow – Capital funding	$21,900,000
4	Elective Surgery – Logan – Improved Patient Flow – Output funding	$17,780,000
Total		**$117,550,000**