

File Ref. No: BFS17/2017
 TRIM Doc. No: D17/70630
 Contact: Station Officer Mark Castelli

11 October 2017

The Department of Planning & Environment
 C/- James Sellwood
 GPO Box 39
 SYDNEY NSW 2001

Dear Mr Sellwood

**Parramatta Light Rail
 Stage 1 Corridor (SSI 17_8285)
 Exhibition of Environmental Impact Statement**

I refer to the above project's Environmental Impact Statement (EIS) which is currently on public exhibition. Fire & Rescue NSW (FRNSW) have partially reviewed the EIS. Our review was confined to technical papers that evaluated the project's proposed corridor route and its likely impact on local traffic. Of interest to FRNSW was the potential for first responder access to installed fire protection infrastructure of buildings situated on the proposed corridor being compromised. The subject fire protection infrastructure being critical to FRNSW in facilitating safe and efficient firefighting operations and resolution of emergency fire incidents.

The recommendations and comments detailed below are submitted to the NSW Department of Planning & Environment (the Department) for consideration.

Comments

In certain circumstances, Part E of the National Construction Code of Australia (the Code), and Australian Standards referenced in the Code, require the provision of specific hydraulic fire protection systems. These circumstances include buildings that have floor areas or effective heights that exceed Code thresholds. FRNSW expects that most buildings located along the Parramatta CBD corridor would be fall into this category. The typical hydraulic fire systems installed in buildings will be fire hydrant and sprinkler systems.

The relevant Australian Standards detail the componentry that must be included in hydraulic systems and standardises system design. Fire hydrant systems and sprinkler systems incorporate fire hydrant and sprinkler booster connection assemblies. Booster connection assemblies are required to be located externally on a building's façade (usually the main building entry façade). The booster connection assemblies enable FRNSW to connect hose lines to a buildings' hydraulic fire systems from a safe external location and take control of and operate the system as required. To connect to building fire systems it is necessary for

Fire & Rescue NSW	ABN 12 593 473 110	www.fire.nsw.gov.au
Community Safety	Locked Bag 12,	T (02) 9742 7434
Directorate	Greenacre NSW 2190	F (02) 9742 7483
Fire Safety Assessment Unit		

firesafety@fire.nsw.gov.au

Unclassified

Page 1 of 2



FRNSW first responders to position large fire appliances immediately adjacent to the hydraulic fire system's external connections.

Recommendation

The development of the light rail corridor and associated infrastructure has potential to restrict FRNSW personnel from operating fire safety systems critical to safe and efficient management of fire incidents. Therefore, the project's development, design and configuration of the light rail corridor should consider critical building fire systems along the corridor and the need to maintain emergency service access to those systems and the need to position fire appliances in the immediate vicinity of fire booster connection points.

For further information please contact Mark Castelli of the Fire Safety Assessment Unit, referencing FRNSW file number BFS17/2017. Please ensure that all correspondence in relation to this matter is submitted electronically to firesafety@fire.nsw.gov.au.

Yours Sincerely



Jamie Vistnes
Manager Fire Safety Policy Unit
Fire Safety Branch
FRNSW