

Date 7/08/2018
To Chris Callaghan
From Nicholas Sheldrake
Copy to Zac Langford, John Chalmers, Belinda Aspinall
Subject Locomotive Workshop, Australian Technology Park (ATP) – Existing Slab on Grade at Entry to Proposed Loading Dock at Bay 1

Revision 2 –
07/8/18

Dear Chris

This memorandum summarises the findings of a site inspection carried out on 23rd January 2018 of the condition and capacity of the existing slab on grade, adjacent to the entry of Locomotive Workshop's loading dock entry at Bay 1 of the site, within Innovation Plaza as illustrated in Figure 1 below.

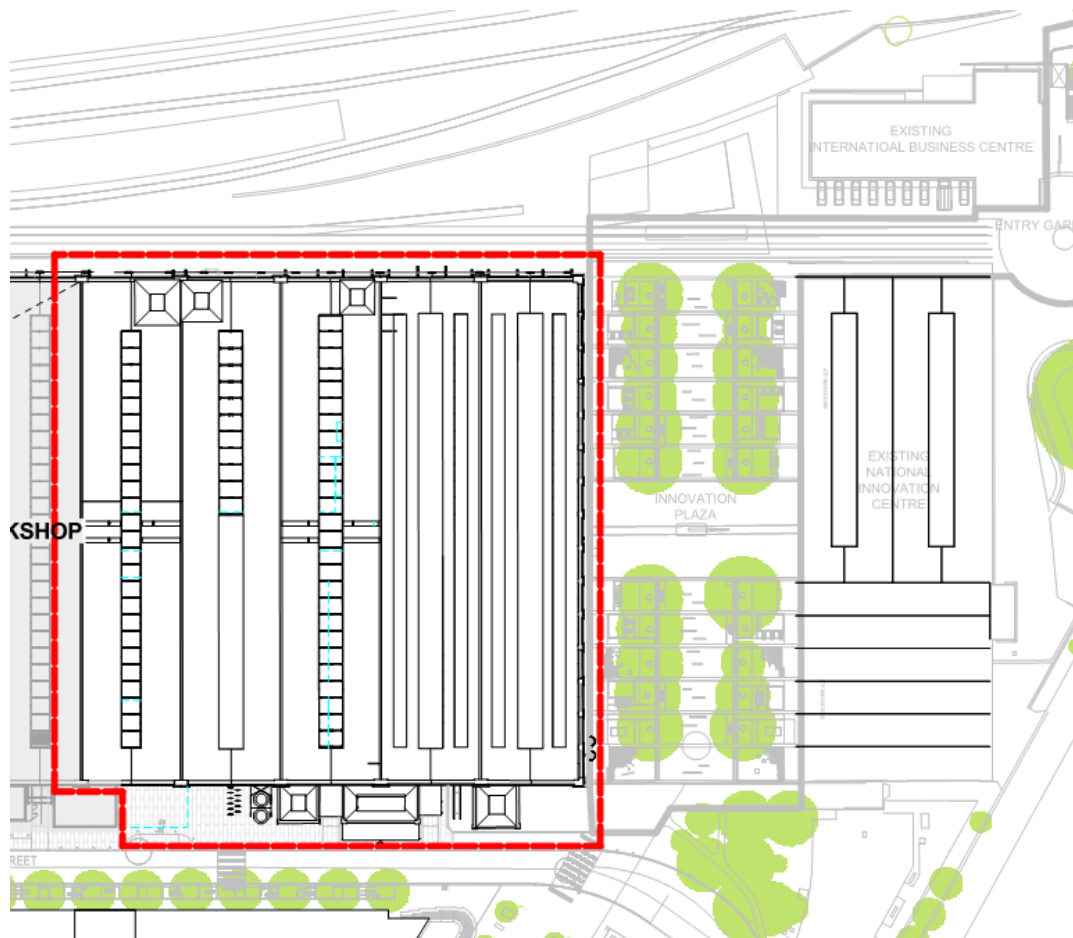


Figure 1: Loading dock entry to Locomotive Workshop and slab on grade reference location

The existing slab on grade consists of reinforced concrete construction, with minimum depth of 200mm varying up to 300mm in some locations. Associated public domain construction works such as tree planter modification and minor replacement of pavers are currently underway within Innovation Plaza, and has exposed the existing slab on grade in some areas enabling a visual inspection to take place. The existing slab is generally in good condition supported on compacted material, and is capable of withstanding trafficable loads up to AS 2890 definition of Heavy Rigid Vehicle (HRV) classification, typically up to 12 tonnes Gross Vehicle Mass (GVM).

This existing slab on grade has also been subject to construction vehicular traffic, including small excavators and trucks of up to 10 tonnes, and no signs of distress have been reported to date. The existing pavers are in good condition and appear to be of similar masonry form to match the Locomotive Workshop and Innovation Centre façade construction.

Arcadis notes that minor construction works may also include replacement of existing trench drain grates to ensure their capacities commensurate with the proposed truck loading.

Figures 2 to 4 illustrate the condition of the existing slab.



Figure 2: Existing reinforced concrete slab on grade



Figure 3: Existing reinforced concrete slab on grade



Figure 4: Existing slab on grade and paver construction