

Item 15: Central Library Seismic Rehabilitation Addendum

Further invasive tests of the Caro building and governance wing have been completed to confirm the loading capacity of these areas.

This testing has established a floor loading of 4 kpa for the ground floor areas (1.8m high book height), which meets the loading requirement for library use. All other floors in these areas have a loading of 1.55kPa which restricts the volumes and weight of material (0.9m high book height) that can be located in these areas without undertaking structural strengthening work.

The table which is on pages 102 and 103 of the 21 September 2017 Council Agenda has been updated to reflect the outcome of this testing and the revised strengthening requirements.

Option	Capital	Operating
B1	<ul style="list-style-type: none"> Fit out of 1,000 m² of the municipal building \$2,000,000 Fit out of Caro wing for heritage and archive storage \$1,000,000 Floor strengthening to 4kPa (Level 1, 2 and 3)– minimum estimated \$3,000,000 <p>Total capital: \$6,000,000</p>	<p>Lending and reference collection storage and retrieval costs \$500,000 per year</p> <p>Total additional operating \$300,000 per year</p>
B2	<ul style="list-style-type: none"> Fit out of 2,100 m² of the municipal building \$4,000,000 - \$7,000,000 Fit out of alternative heritage and archive storage facility - \$750,000 <p>Total capital: \$4,750,000-\$7,750,000</p>	<ul style="list-style-type: none"> Heritage and archive service operating costs \$500,000-\$800,000 per year Lending and reference collection storage and retrieval costs \$500,000 per year <p>Total additional operating \$800,000-\$1,100,000 per year</p>
B3	<ul style="list-style-type: none"> Fit out of 3,600 m² of the municipal building \$6,000,000-\$9,000,000 Fit out of fit out of alternative Heritage and Archive storage facility - \$750,000 Floor strengthening to 4 kPa (Level 1) – minimum estimated \$1,000,000 <p>Total capital: \$7,750,000 - \$10,750,000</p>	<ul style="list-style-type: none"> Heritage and Archive service operating costs \$500,000-\$800,000 per year Lending and reference collection storage and retrieval costs \$500,000 per year <p>Total additional operating \$800,000-\$1,100,000 per year</p>
B4	<ul style="list-style-type: none"> Capital costs and operating costs associated with B1, B2 or B3 plus \$4,000,000 for the extension over 	<ul style="list-style-type: none"> Heritage and Archive service operating costs \$500,000-\$800,000 per year

	<p>the Caro Street Carpark</p> <p>Total Capital : \$10,000,000-\$14,750,000</p>	<ul style="list-style-type: none">• Lending and reference collection storage and retrieval costs \$250,000 per year <p>Total additional operating \$550,000-\$850,000</p>
--	---	--