

## **MELBOURNE METRO** PROGRAM ECONOMIC SCOPE ALLOCATION

**Melbourne Metro Construction Start** 

## Melbourne Metro

Operational

Construc	ction Start		0	peratio	onal Exte	
Major Precursor Projects		Melbourne Metro Program			Future Enabled Projects	
Projects expected to have interface with MMRP	Early Works <ul> <li>Environmental monitoring     &amp; approvals</li> </ul>	<b>Core Tunnel</b> • Two tracks in an underground tunnel from the South Kensington portal to the South Yarra portal	<ul> <li>Track, tunnel and systems to allow 80kph where achievable</li> </ul>		Operational Phase Costs <ul> <li>Delivery of incremental MM services</li> <li>Incremental maintenance &amp; operations</li> </ul>	
<ul> <li>The following projects have either been completed or funding has been confirmed.</li> <li>Regional Rail Link and proposed timetable changes</li> <li>Bayside Rail Improvement Project</li> <li>Removal of all 9 road-rail crossings between Dandenong and Caulfield</li> <li>Cranbourne - Pakenham Rail Line works (platform extensions, power &amp; signalling)</li> <li>Deployment of 37 HCMT trains on the Cranbourne- Pakenham Line</li> <li>HCMT depot and maintenance facility at Pakenham East</li> <li>High Capacity Signalling early deployment</li> <li>Flinders Street Station Restoration and Upgrade</li> </ul> Funding has not yet been confirmed for the following projects: <ul> <li>Melton line duplication (incl. station at Toolern)</li> <li>Partial duplication of the Cranbourne line</li> </ul>	<ul> <li>Tram diversions</li> <li>Construction preparation</li> <li>Land acquisition</li> <li>Relocation of utilities</li> <li>Construction power supply</li> <li>Demolition / relocations</li> <li>Some tree removal</li> </ul> Other Tram Works <ul> <li>(Not part of Early works)</li> <li>Elizabeth St/Flinders St connection</li> <li>Simpson St terminus</li> <li>Clarendon St/Park St connection</li> <li>Park St Link</li> </ul>	<ul> <li>Signalling &amp; power to allow safe and reliable operation of at least 24 scheduled services per hour</li> <li>South Yarra junction connecting tunnel portal to Caulfield Locals, allowing trains operating on the tunnel track pair to merge with services continuing on the current Caulfield Local lines w/o introducing interactions between facing train movements</li> <li>Western turn-back</li> <li>Core Stations</li> <li>Arden - to service precinct</li> <li>Parkville - to service precinct &amp; tram interchange</li> <li>CBD North - with paid-area connectivity to Melbourne Central</li> </ul>	<ul> <li>Track, tunnel and systems to support operation of 7 &amp; 10 car Trains</li> <li>South Kensington junction connecting the Western Portal tunnel tracks to the Main Suburban lines and maintaining connectivity to existing surface routes</li> <li>Eastern Portal including decline structure, track, power and system works</li> <li>CBD South - with paid-area connectivity to Flinders Street</li> <li>Domain - to service precinct &amp; tram interchange</li> <li>All platforms to support operation of 7 car and 10 car vehicles</li> </ul>		<ul> <li>Enabled Projects</li> <li>Extended HCMT procurement for the Sunshin - Dandenong Line and fleet cascade (Power, Platform Extensions &amp; Stabling)</li> <li>Melton quad track between Sunshine and Deer Park West</li> <li>Melton electrification (Including additional extended HCMT's, Grade Separations and a flyover at Sunshine Junction)</li> <li>Frankston Line: Conversion of existing rolling stock to dual voltage capability to run on Sunshine - Dandenong Line to gain access to Westall train maintenance facility</li> </ul> Future Dependent Projects (enabled, not assessed) <ul> <li>Conversion of Northern Loop &amp; Frankston Loop to two through running pairs</li> <li>Wallan Electrification (via Upfield) and Truncation of Craigieburn services at Roxburgh Park</li> <li>Rowville Rail Link</li> <li>Melbourne Airport Rail Link</li> <li>Tram Plan changes (potential future cascade &amp; associated works)</li> </ul>	
		<ul> <li>Wider Network Enhancements</li> <li>Sunshine to Dandenong corridor works</li> <li>Systems and infrastructure to support a safe and reliable operation to meet the service requirements on the Sunshine Dandenong rail corridor including HCS</li> <li>Passive provision for future works in corridor – Melton electrification &amp; Sunshi -Deer Park West quad track</li> <li>Infrastructure to support service continu during planned and unplanned disruption (Resilience for Day 1 Operation)</li> </ul>	Other corridor works         • Turnback facility to allow turn-back of services from the Cross City line (Eastern Turnback)         • Infrastructure to facilitate short turnback of services at Gowrie         • Signalling improvements to support additional services on Craigieburn Line         • Unfrastructure to facilitate short turnback			
		<ul> <li>Rolling Stock and supporting works</li> <li>25 No. HCMT Procurement and fleet cascade</li> <li>Stabling and maintenance facilities upgrades to allow for 25 HCMT Procurement and fleet cascade</li> <li>Platform extensions to allow operation of car HCMT (South Kensington to Sunbury)</li> </ul>				
	<ul> <li>Projects assumed to have interfaces with</li> <li>Level crossing removal projects at 41 N</li> <li>The relocation of Metrol from Collins St</li> <li>HCMT light maintenance facility at Calc</li> <li>Train stabling at Melbourne Storage Ya</li> <li>Central Business District Tram Stop upg</li> </ul>	lo. locations • 0 treet • 1 der Park • 1 ird	ojects assumed to be mostly non-interfacing with MMRP Greensborough – Eltham partial duplication MR 4 Metropolitan train and tram refranchising MR 5 Metropolitan train and tram refranchising		<ul> <li>Projects assumed to be carried out post MMRP</li> <li>Werribee - Wyndham Vale extension</li> <li>Cranbourne - Clyde extension</li> <li>Altona Junction - Seaholme Duplication</li> <li>Completion of duplication Gowrie to Upfield</li> <li>Upfield - Somerton Link (regional train diversion)</li> <li>Inner area signalling &amp; junction rationalisation</li> </ul>	





## Melbourne Metro **Extended Program**



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• Geelong electrification

• Fourth track - Burnley - Camberwell



Economic Development, Jobs, Transport and Resources