




	Inspection and Test Plan - Control and Supervision of the Works	Document # ITP-004b Revision : 02 Date : 28/04/2022
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Client: Yarra Trams Project: Contract No:	Construction Process: Cement Treated Crush (CTC) Rock Sub Base Specifications: Vic Roads Standard - 815 Cementitious Treated Crushed Rock for Pavement Subbase Structure / Component: Tram Tracks Location:	Prepared by: Name: Jake Cardillo  Signed : Date : 14/06/2023	Reviewed by : Name: Damon Bromwich  Signed Date : 14/06/2023	Approved by : Name: Shaun Kent  Signed : Date : 14/06/2023
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Lot No:	Lot Details:	Lot Size/ Quantity:
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Item No.	Task/Activity Description	Inspection / Controls and Verification Detail						HP/ WP/ AP/ IP/ TP/ SCP	Responsibility Project Engineer Site Engineer Superintendent Surveyor Foreman	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	Client			Fulton Hogan	FH's Sub-contractor	Date	
1	Preliminary Works												
1.1	Check for correct documentation	Prior to commencing any activity	• Ensure that all employees and subcontractors are using the most current and complete design drawing.	Drawings and drawing registers	Visual inspection	This ITP signed	HP*	Fulton Hogan Engineer	N/A		N/A		
1.2	Implementation of all measures and controls	Prior to commencing any activity	• All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, SWMS & WP	PSP, EMP, TMP, JSEA, SWMS, WP	Visual Inspection	This ITP signed	HP*	Fulton Hogan Engineer	N/A		N/A		
1.3	Confirm CTCR is appropriate mix	Prior to commencing any activity	• Cement treated crushed rock proposed for use shall be current, registered mixes in accordance with VicRoads Code of Practice RC500.02 and conform to specified requirements applicable to that class of product. • CTCR shall be tested in accordance with 815.141 by supplier	Design mix specifications	Inspection	This ITP signed	HP*	Fulton Hogan Engineer	N/A		N/A		
2	Construction Works												
2.1	Sub base	Each lot	• Sub grade has been inspected, no visible ponding, springing presence, or visible deformation. • ITP-001 HP for subgrade inspection signed off.	VicRoads 173.03	Inspection / Test Method	This ITP signed	HP*	Fulton Hogan Engineer	N/A		N/A		
2.2	Moisture content	Each lot	• Moisture content shall be within 0.5 to 1% percentage of mass during time of spreading and compaction	VicRoads 306.05	Inspection / Test Method	Record of conformity	IP	Fulton Hogan Engineer	N/A		N/A		

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2.3	Jointing	Each lot	<ul style="list-style-type: none"> Material shall be spread to minimise number of joints. Transverse joints in adjoining paver runs shall be offset by >2m Longitudinal joints shall be offset from each layer >150mm Longitudinal Joints shall be within 300mm from traffic lane lines or centre of traffic lane 	VicRoads 306.08	Visual inspection	This ITP signed	HP*	Fulton Hogan Engineer	N/A		N/A	
2.4	Conformity with drawings	Each lot	<ul style="list-style-type: none"> Pavement sub base shall be finished to smooth and uniform surface Surface of sub grade shall not lie more than 12mm below a 3m straightedge Subgrade height shall lie within +15 to -25mm Sub base height shall lie within +10 to -25mm 	VicRoads 306.03 306.11	Visual inspection	This ITP signed	WP	Fulton Hogan Engineer	N/A		N/A	
2.5	Curing	Each lot	<ul style="list-style-type: none"> The surface of each compacted layer shall be kept moist for a period of seven days unless covered at an earlier stage with the succeeding layer or with an approved curing membrane. As per VicRoads, 4000m² shall be <u>maximum</u> lot size No trafficking before 24hrs unless approved by superintendent 	VicRoads 306.11	Visual inspection	This ITP signed	IP	Fulton Hogan Engineer	N/A		N/A	
2.6	Compaction testing	Each lot	<ul style="list-style-type: none"> CT material shall be placed, trimmed to level and compacted within allowable working time (306.091) At completion of compaction, any segregation shall be rectified >500m² 96% modified compaction 6 tests <500m² 98% modified compaction 3 tests 	VicRoads 306.09 306.11	Visual inspection	This ITP signed	TP	Fulton Hogan Engineer	N/A		N/A	

Final Inspection

The signature below verifies that this ITP has been completed in accordance with the FH's Quality system Procedures and verifies lot compliance with specifications.

Print Name:

Position:

Signature:

Date: / /

Legend

HP	Hold Point	Work shall not proceed past the HP until released by the Superintendent	IP	Inspection point	Formal Inspection to be done and recorded
HP*	FH Hold Point	Work shall not proceed past the HP* until released by FH	TP	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Superintendent	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Superintendent			