Fulton Hogan	Inspection and Test Plan - Control and Supervision of the Works	Document # FHC-ITP-005 Revision : 2 Date : 24/01/2024

Client:	MRPA	**Construction Process:**	Prepared by:	Reviewed by :	Approved by :
Project:	FITZGERALD ROAD CARPARK	***Class 2 Crushed Rock***	Name: **Fynn Riddick**	Name: Justin Sciacca	Name:
Job No:		**Specifications:** VicRoads Specification Section 173 , 304, 204, VR Code of Practice RC 500.02			
		Structure / Component: Pavement	Signed :	Signed :	Signed :
		Location: Fitzgerald Road Level Crossing Removal Project	Date : 18/01/2024	Date : 25/01/24	Date :

Lot No:	**Lot Details:**	**Lot Size/ Quantity:**

Item No.	Task/Activity Description	Inspection / Controls and Verification Detail					HP/ WP/ AP/ IP/ TP/ SCP	Responsibility	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity		Project Engineer Site Engineer Superintendent Surveyor Foreman	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 correct and complete set of drawings - All drawings are the latest revision	Drawings and drawing registers	Visual inspection	This ITP signed	**HP***	Site Engineer / Site Foreman	N/A		N/A	
1.2	Material Mix Design	Prior to commencing any activity	Crushed rock mixes proposed for use on specified works shall be registered in accordance with VicRoads Code of Practice for Registration of Crushed Rock Mixes RC500.02 as listed in Section 175	Cl 812.04 RC 500.02	Document Review	Mix Design VicRoads Approval	**HP***	Site Engineer			N/A	
1.3	Implementation of all measures and controls	Prior to commencing any activity	All necessary measures and controls are being implemented, that is: OHSCP, PHSCP, PCMP, EMP, ECP, CEMP, ERA, QMP, CHMP, SWMS	OHSCP, PHSCP, PCMP, EMP, ECP, CEMP, ERA, QMP, CHMP, SWMS	Visual Inspection	This ITP signed	**HP***	Site Engineer / Site Foreman	N/A		N/A	
2	**Construction Works**											
2.1	Transverse Joints	Check prior to placing material	Material should be spread to minimize number of joints. Transverse joints shall be offset from one layer to next by not less than 2 metres	Cl.304.07 (a) Cl.304.07 (c)	Visual Inspection	This ITP signed off	**IP**	Site Engineer	N/A		N/A	
2.2	Longitudinal Joints	Check prior to placing material	Material should be spread to minimize number of joints. Longitudinal joints offset from one layer to next by not less than 150mm. Longitudinal joints to be located within 300mm from planned traffic lane lines or within 300 mm of the centre of a traffic lane.	Cl.304.07 (a) Cl.304.07 (d) Cl.304.07 (e)	Visual Inspection	This ITP signed off	**IP**	Site Engineer	N/A		N/A	
2.3	Lot Size	Check prior to placing material	A single lot shall be considered a single layer of 4000m^2 or one days production in a single layer, whichever is lesser.	. Cl.304.08 (b)(ii) Table 304.111	Site Inspection	Signed ITP	**IP**	Site Engineer	N/A		N/A	
2.4	Layer Thickness	Each Lot	The maximum thickness of any pavement base layer shall not exceed 150 mm and the maximum thickness of any subbase layer shall not exceed 200 mm. The minimum thickness of any pavement layer shall be 4 times the nominal size of the material.	Cl 304.08(b)(v) Cl 304.08(b)(vi)	Site Inspection	Signed ITP	**IP**	Site Engineer	N/A		N/A	
2.5	Proof Rolling	Proof Roll each layer	No visible deformation or springing in presence of Superintendent's Rep.(Cl 173) Plant to comply with requirements of Cl 173.03.	173.03	Visual inspection	This ITP signed off	**HP/ WP**	Site Engineer & Superintendent			N/A	
3	**Testing Requirements**											

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3.1	Determine Testing Scale & Initial Testing Frequency	Prior to Testing	The Contractor shall initially test every lot for acceptance of compaction in accordance with the requirements of the Specification. Testing of every lot shall continue until three consecutive lots of like material and/or work have achieved the standards specified. Scale B - The first lot of each pavement course shall be tested for post-compaction grading and PI. If the first lot each pavement course satisfies the specified post compaction requirements in Clause 304.10(a) and (b), as applicable, no further post-compaction testing will be required for that pavement course.	Table 204.161 Cl.304.08 (a) Cl.304.11 (b) Cl.304.11 (c)(i) Table 304.111	Document Review/ Site Inspection	Signed ITP	**AP**	Project Engineer	N/A		N/A	
3.2	Compaction Testing	Every Lot Every second lot (reduced frequency)	Minimum Characteristic Density Ratio (CDR) of not less than 98%, using Modified compaction effort.	Cl304.08 Table 3040.061 Cl 304.11 (b) Table 304.111	Test point	This ITP signed off; Test reports	**TP**	Site Engineer	N/A		N/A	
3.3	Compaction Testing (Small Lots)	Each Lot	Any lot which has a surface area less than 500 m^2 may be treated as a small area. Acceptance of the lot shall be based on the mean values of 3 individual tests. Minimum Compaction shall be 100% modified compaction effort.	173.04 d	Test Point	Test Records Lot Register	**TP**	Site Engineer	N/A		N/A	
3.4	Material Grading - Post Compaction (Class 2 & 3 Only)	First Lot Only	Post compaction material grading results must comply with the following: Class 4 - N/A Class 3 - As per Table 304.101 - VR Spec. 304.10 Class 2 - As per Table 304.101 - VR Spec. 304.10	Cl 304.101 Cl 304.111	Test point	This ITP signed off; Test reports	**TP**	Site Engineer	N/A		N/A	
3.5	Plasticity Index - Post Compaction (Class 2 & 3 Only)	First Lot Only	Post compaction PI results must comply with the following: Class 4 - N/A Class 3 - 0 to 10 Class 2 - 0 to 6	Cl 304.10 Cl 304.11 Table 304.103	Test point	This ITP signed off; Test reports	**TP**	Site Engineer	N/A		N/A	

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3.6	Survey Conformance	Each lot	Layer to be finished to a smooth and uniform surface and after compaction shall conform within the following limits: Shape: no point deviation > 8mm from 3m straight edge in any direction Surface level tolerances: **Range x = +6, -16mm** **Max S = 15 mm** 40 measurements per lot (Minimum)	Cl 304.06(b, d, i) Drawings Table 304.062	Survey	This ITP signed off; Survey Report	**SCP**	Site Engineer/ Surveyor	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			