Fulton Hogan	Inspection and Test Plan - Control and Supervision of the Works	Document # FHC-ITP-028 Revision : 01 Date: 29/07/25

Client: Yarra Trams	Construction Process:	Prepared by:	Reviewed by :	Approved by :
Project: Montague St Northern Crash Beam	*Structural Steel Supply and Install*	Name: **Leo Watson**	Name: **Patrick Fagan**	Name: **Shaun Kent**
Contract No: 8B6100	Specifications: AS4100-2020, AS5131-2016, VicRoads Standard Specification Section 610, 630, 631	Signed :	Signed :	Signed :
	Structure / Component:	Date : 29/07/2025	Date : 29/07/2025	Date : 29/07/2025
	Location:			

Lot No:	Lot Details:	Lot Size/ Quantity:

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	**Design and Submissions**											
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***	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: PMP, EMP, TMP, SWMS & WP	PMP, EMP, TMP, SWMS, WP	Visual Inspection	This ITP signed	**HP***	Fulton Hogan Engineer	N/A		N/A	
1.3	Structural Steel Components	Prior to erection	Fabricator is required to provide the Manufacturer's Data Record (MDR) for each component.	P&S IFC	Verify	This ITP signed	**IP**	Fulton Hogan Engineer	N/A		N/A	
2	**Preliminaries**											
2.1	Universal Bearing Structural Grout or Mortar	Where applicable, once, for each product, prior to placement of product	Product to be selected based on the following criteria: 1. either a single component, self consolidating and dual shrinkage compensating cementitious grout 2. have the required strength at 28 days as noted on the IFC drawings, but 40MPa minimum 3. have a consistency appropriate for the required use	P&S IFC 610.33	Inspect	This ITP signed	**IP**	Fulton Hogan Engineer	N/A		N/A	

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3	**Pre Installation Activities**											
3.1	Materials Inspection Checklist	Each component	General inspection of structural steel elements for defects including cracks, handling and storage damage & distortion. Bolts, nuts and washers shall be the size, material, strength grade and coating as noted on the IFC Drawings. Galvanised coating - no loss of adhesion, damage, blisters, roughness, sharp points and flux residues. Paint or powder coating - uniform in appearance, colour & texture with no loss of adhesion, damage, blisters, holidays, chalking or any other visible defects.	IFC Drawings 630.08 630.09 631.06 631.11 (a)	Inspect	This ITP signed	**IP**	Fulton Hogan Engineer	N/A		N/A	
4	**Installation Activities**											
4.1	Bearing / Mounting Surface Preparation	Where applicable, each installation location	Prepare the bearing surface in accordance with the Grout/Mortar Product TDS. As a minimum, ensuring that it is clean and free from loose particles such as rust and laitance.	IFC Drawings Product TDS	Measure Visual	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	
4.2	Structural Steel Handling	Each component	The method of handling and erection of the steelwork shall ensure that the members are not stressed or deformed beyond the design limit and that there is no damage to the protective coating during these operations. Where damage exists, it shall be repaired using an approved repair procedure for both steelwork and coatings.	630.09	Verify	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	
4.3	Structural Steel Erection	Each component	Place steel component into position, ensuring that it is plumb, level, square. Where mounting to supports or foundations, adjust RL accordingly using suitably sized shims, levelling or jacking nuts (where applicable).	IFC Drawings	Verify	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	
4.4	Fastner Tightening - Snug Tight Condition (8.8/S)	Each component	Place bolts, washers and nuts as detailed on the IFC Drawings. Tighten from the stiffest section working towards the free edges with a few impacts of an impact wrench or the full effort of a person using a podger spanner. Protrusion to be at least 1 clear thread shows beyond the nut but no greater than 12mm.	IFC Drawings 630.20 (d)	Verify	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	

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5	**Post-Installation Details**											
5.1	Survey Conformance	Each component	Verify position of steel components. Ensure vertical clearances are met and steel componentary is positioned as per the IFC drawings.	IFC Drawings	Verify	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	
5.2	Sampling and Testing of Grout / Mortar	Each component	Cube moulds to be 75mm x 75mm maximum, made from rigid steel moulds and require lids due to the expansive nature of shrinkage compensating products. Testing is be in accordance with the following frequencies: First batch = 3 cubes (2 no. 7 day strength, 1 no. 28 day strength) Every 100kg of product thereafter = 3 cubes (2 no. 7 day strength, 1 no. 28 day strength)	610.28 610.33	Verify	This ITP signed	**TP**	Fulton Hogan	N/A		N/A	
5.4	Inspection of Coating	Each component	After installation Works are complete, inspect the steel element for damage to the coatings. Where damage exists, it shall be repaired using an approved repair procedure.	IFC Drawings 631.15	Verify	This ITP signed	**IP**	Fulton Hogan	N/A		N/A	
5.5	As Built Drawings	Prior to lot closure	Recorded of as-built drawings	Fulton Hogan Procedure	Verify	This ITP signed	**IP**	Fulton Hogan	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			