

Testing Report

Report Number: 27997539 July31, 2009
Client: Forcast Worldwide Pty Ltd Page 1 of 2
Client Contact: Alex Dengate
Order Number: 00000787
Test Requirement: Load test of a velocity post
Test Standard: AS 4994.1(Int) - 2004, Appendix A
Sample: Velocity post
Model number: n/a
Supplier: Forcast Worldwide Pty Ltd
Test Conditions: Ambient temperature 17°C **Date/s of test:** 30/07/2009

Test Equipment: Delta 1000kgf load cell, Enerpac Hydraulic pump/Ram, SICK laser displacement sensor

Test Procedures: (a) Fix the post horizontally between two brackets, rotate till the red safety gauge disappeared. Support the post in the mid point. (b) Before the test, apply a preload of 100 N horizontally to stabilize the post connection to the structure. (d) Remove the preload and establish the datum point for the test. (e) Apply a proof load of 600 N, horizontally at a point 1.2 meters from the foot a period of 300, -0, +15 s. (f) Measure the deflection at the loading point. (g) Increase the load to the maximum required test load of 1200 N for a period of 300, -0, +15 s. (h) Remove the load. (i) Note and record if there is any structural failure.

Requirements: (a) Under the proof load of 600 N inwards or outwards, the deflection shall not exceed 100 mm. (b) Under the maximum required test load of 1200 N, the post and any supporting members shall not suffer structural failure.

NOTE: The shortly to be published AS/NZS 4994.1:2009 will have the same test requirements as AS/NZS 4994.1(Int):2004, as advised by Mr Doug Crawford.

Effective length tested: 3165mm

TEST RESULTS

Load (N)	Deflection (mm)	Observations
600	34.0	<100mm, No visible slips, Satisfied
1200	69.0	No visible failure or slips observed

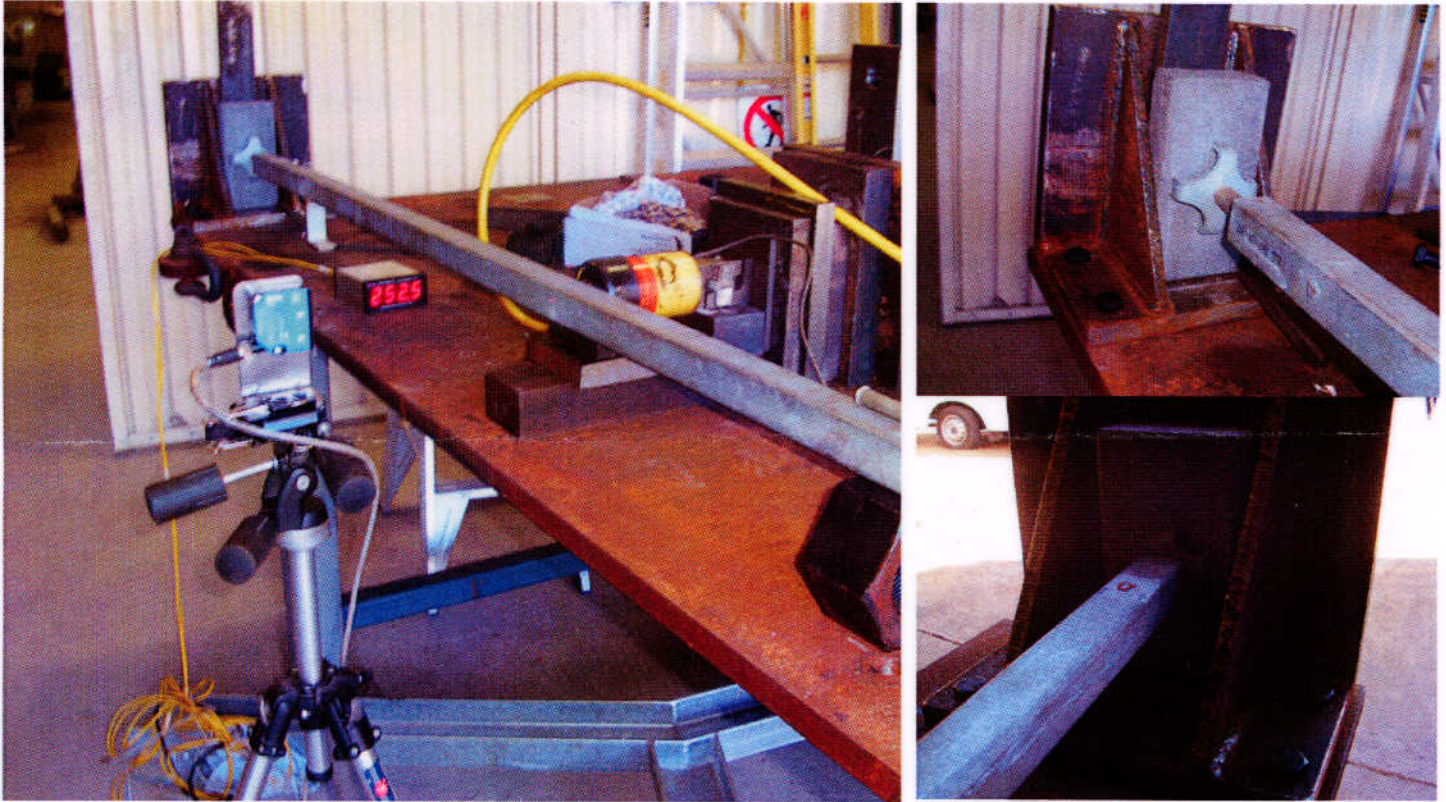
COMPLIANCE STATEMENT: The test results reported herein **comply** with the requirements of the reported standard.

Tested By:

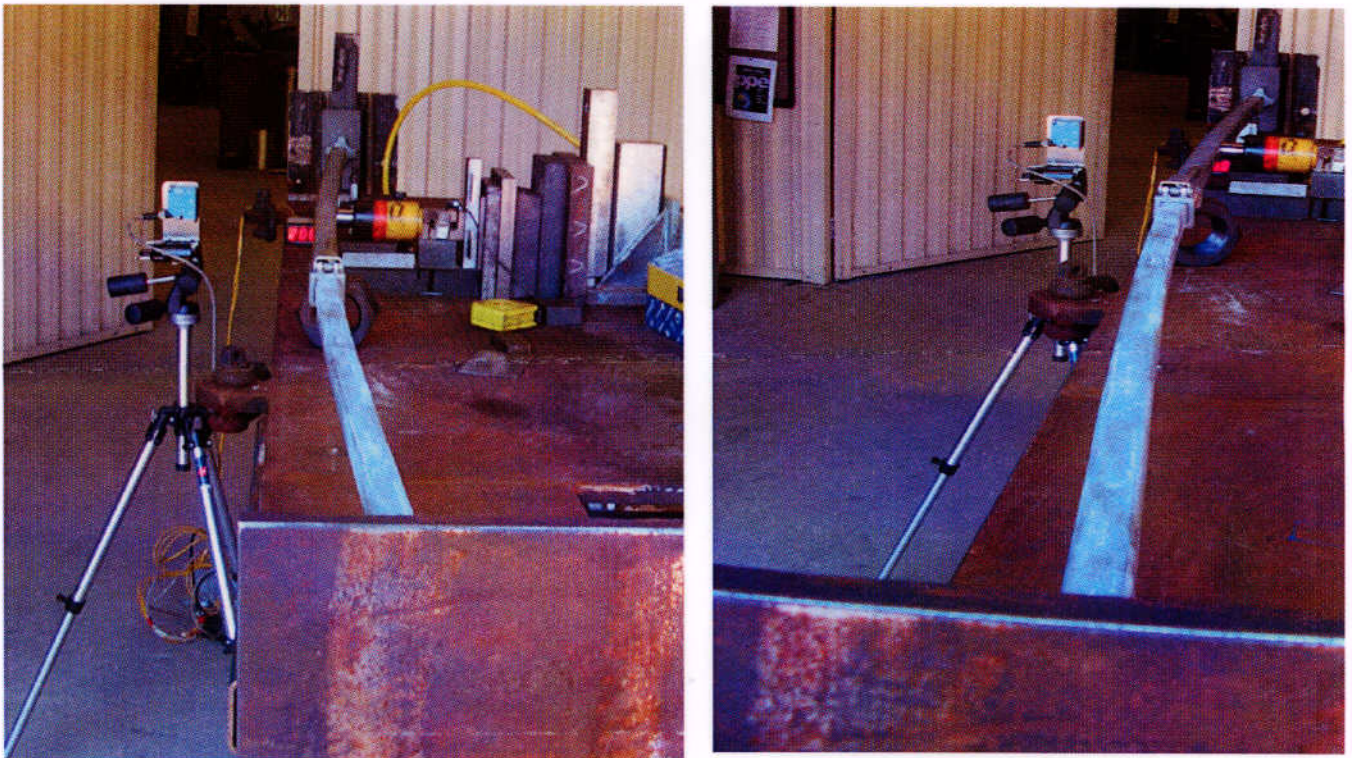


Dr Dongchang Sun
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Selected photos:



Test setup



Deflected post under load