

29 September 2011

Sue Walker
Marketing & Export Manager
CSP Pacific
P O Box 12-949
Penrose
AUCKLAND 1642

Dear Sue

Letter of Acceptance: Nu-Guard 31™ Leading Transition to Rigid Barrier

Thank you for submitting your proposed design for a leading transition from Nu-Guard 31™ to rigid barrier.

We have reviewed the submitted information and, acknowledging that the rationale is based on empirical analysis of physical test results rather than theoretical modelling, are prepared to accept the proposed design.

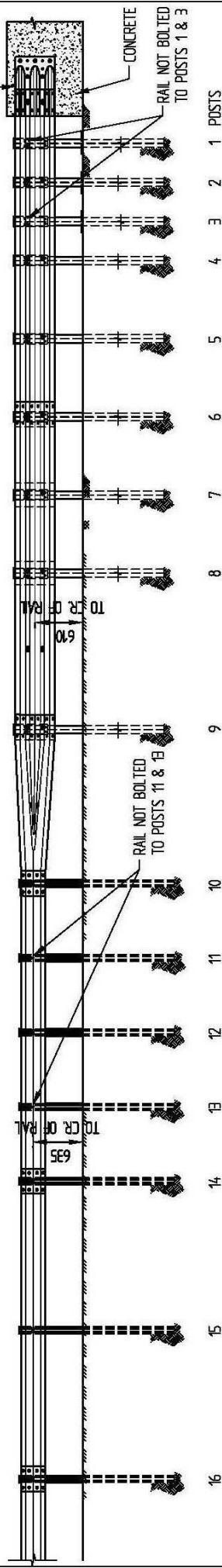
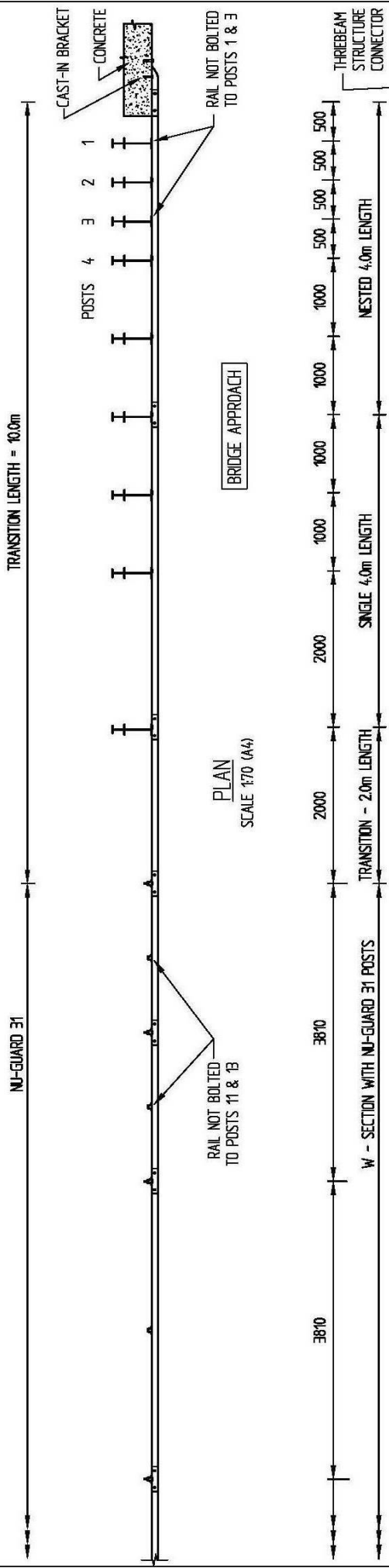
Therefore, the leading transition from Nu-Guard 31™ to rigid barrier as detailed in CSP Pacific drawing FX527-3 Rev 2 (copy attached), dated is acceptable to the NZ Transport Agency for use on the State highway network. This drawing only may have the title block amended to include the words "Accepted by the NZ Transport Agency".

Please note, should the NZ Transport Agency discover at any later date that the submitted justification was flawed, that in-service performance reveals unacceptable safety problems, or that the system being marketed is differs significantly from that which was crash tested, it reserves the right to modify or revoke this letter of acceptance.



Fergus Tate
National Manager Traffic & Safety
Highways & Network Operations

Revision	Rev. Date	Changes Made
Rev. 1 (SB)	22-07-11	Title Updated
Rev. 2 (SB)	26-09-11	Notes Updated



ELEVATION
SCALE 1:70 (A4)

NOTES:

1. THE MINIMUM TRANSITION LENGTH FOR W-SECTION TO CONCRETE IS 10.0m.
2. ALL TRANSITION POSTS TO BE STEEL WITH MODIFIED BLOCKOUTS AS PER AS/NZS 3845:1999.
3. WHERE PROPER POST EMBEDMENT CANNOT BE ACHIEVED, STANDARD 'I' BEAM BRIDGE STEEL POSTS ON STEEL BASE PLATES (AS PER APPENDIX 'B' TRANSIT NZ BRIDGE MANUAL) CAN BE BOLTED TO A CONCRETE BEAM.
4. CENTRE OF RAIL HEIGHT IS 635mm FOR NU-GUARD, 670mm FOR THREBEAM.
5. THREBEAM RAIL & POST BOLT HOLES ARE TO BE AT 1000mm CENTRES.
6. POSTS 7 & 8 NEED TO HAVE BACKING PIECES.

Drawn by	SB	Date	08/07/11
Checked		Scale A4	AS SHOWN
Reference No.			
Drawing no.	FX527-3	Rev. No.	2

LEADING TRANSITION TL4 NU-GUARD 31
TO RIGID BARRIER

306 Neilson Street,
Onehunga, Auckland
PO Box 12 949, Penrose
Auckland, New Zealand
Telephone 09-634 1239
Facsimile 09-634 4525
www.cspacific.co.nz

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