

Architect's report no.11

project	WAITAKERE CITY RAIL BRIDGE	file ref	0355-F06-011-FC
job no.	0355	date	19 OCTOBER 2006
client	WAITAKERE CITY COUNCIL		

1.0 Client/Brief

- The Artwork to the window at the eastern end of the link bridge has been completed
- Stevies Reserve landscaping .Construction is proceeding ,underground services are installed , kerb and channelling installed, concrete paving and retaining walls 80% complete
- The Area B streetscape, construction work is underway.
- Building Consent for this work has been recieved.
- Work on redesign of canopy glazing to reduce rain ingress. Detailed design work has been completed. Price has been reviewed by WT Partnership and submitted to WCC by Canam. Formal sign off of price from WCC been received and a VO for the work issued .Detailed design work is completed and shop drawings have been submitted and reviewed. Construction work is underway.
- Escalator 3 /4 roof extension at Railside Avenue. A price from Canam has been received and a VO issued for this work to proceed. Building consent has been issued.Shop drawings have been prepared and steel fabrication is underway

Architecture
Urban Design
Planning
Interior Architecture

Architectus Auckland
1 Centre Street
PO Box 90621 AMSC
Auckland New Zealand
T 64 9 307 5970
F 64 9 307 5972
auckland@architectus.co.nz
www.architectus.co.nz

Directors:
Malcolm Bowes
Patrick Clifford
Michael Thomson

2.0 Design Issues

- We are maintaining continuing coordination with all parties involved in the platform design and construction.
- All glazing design issues are resolved except for very minor issues.
- Revision of sanitary sewer and stormwater drainage in the Stevies Lane area has been completed by CMM and an instruction has been issued to Canam. This work is now complete
- A revised water supply route and detail has been agreed with CMM and the contractor This work has been instructed and work has now commenced.
- Following site investigation and finite location confirmed of Telecom cables, CMM Canam and Architectus have agreed that escalators 3 and 4 will remain in the as currently designed position. The proposed methodology of construction near these cables has been agreed and is being priced by Canam.
- A report on vandalism issues has been prepared and issued by WCC. Discussions with the contractor, WCC , and Graffiti Solutions regarding the extent and type of graffiti guard systems to be applied are complete. A VPR has been issued for a non sacrificial clear coating to vulnerable concrete, plaster and precast elements. Once Steelwork erection is complete a VPR will be issued covering these steel areas. (these areas are very difficult to measure off drawings only).
- Pricing has been received and an Instruction issued by WCC to proceed with Scotchgard 3 M glass protective film. This work has been instructed and installation is 80% complete
- Architectus have proposed that the tops of either or both the lift towers be extended in some manner as a marker / signpost of some description , given their prominent position. A proposal and price for this work was submitted to WCC Special Projects

Consultant:
John Sinclair

Auckland
Brisbane
Melbourne
Shanghai
Sydney

committee for consideration. The committee has requested a detailed proposal which is being prepared

- A preliminary meeting was held with Vivian Naylor of CCS to review the design. No significant design omissions were identified from her point of view.
- *Location of retaining wall revised and reissued to suit APN hoardings*
- *Kerb line and footpath construction revised to suit uncovered tree roots*
- *Stevies reserve Landscape work underway*

3.0 Value Management

- Additional savings will be instructed as identified.

4.0 Coordination

- We are continuing to work with Canam and the various consultants. Coordination with the Civic Centre team is ongoing
- Coordination with Rogers (platform Contractor) is continuing.
- Coordination with the Streetscape Project Team is continuing.
- Coordination with Hebs for the area B streetscape is continuing

5.0 Programme

- Escalator lead times have been critical. An adjustment of work sequence has been undertaken to minimize the impact on programme. Principally redesigning glass spider fixing detail to allow making of glass panels without a site measure. Lift and Escalator shop drawings have been approved. Escalators 1 and 2 are now installed. Lifts 1 and 2 are installed and commissioned. Public access is now available via lift 2 and stair access 4 across the bridge 24hrs .Escalators 1 and 2 are due to be commissioned today ready for the platform opening on Tuesday 24th October.

Construction of the streetscape work to Stevies Reserve (Area A) is now 80%
This work is being carried out as a variation to the Rail Bridge Project

- Arboreal work to the Liquid Amber is complete .Minor further trimming will be required
- Remaining trees and vegetation have been removed following issue of resource consent.
- A public walkway along the side of 'Retrovision' has been closed to allow Streetscape work be completed
- The Western Taxi Cab building has been demolished and Canam have taken possession of the site for seperable portion 2.
- Piling work for Seperable Portion 2 (escalators 3 / 4) is now complete
- Lift pit, footings and concrete blockwork to Escalators 3 /4 are complete
- Ontrack's Pier Protection wall is complete.
- Precast columns ,walls and column heads and stairs are erected

- Temporary structure has now been removed
- Dycore, precast edge beams, reinforcing and concrete topping to the bridge are complete.
- The stair and escalator base structures to the platform area are complete.
- Escalators 1 and 2 have been installed and will be commissioned 20 10 06
- Escalator 1 / 2 steelwork is installed
- Installation of lift 1 and lift 2 is complete.
- Structural Steel to Stair Access 4 is complete and glass spiders installed.
- Precast and insitu concrete stairs are complete.
- Solid plastering of concrete block walls is 95% complete.
- Lift shaft roofs have been constructed and Nuraply roofing completed.
Lift shaft walls have been strapped and Alcopla cladding is 95% complete
- Canopy steelwork is now installed.
- Roofing and guttering are complete
- Stair 4 glazing is complete
- Glass pivot windows are installed
- Electrical work is 95% complete. Lights to the bridge and stair are operating
- Roofing to the canopy is complete
- Floor tiling to Stair 4 is complete. Tiling to the bridge is complete
- Rippletone ceiling is complete
- Escalator 1 / 2 glazing is complete
- Escalator 3 / 4 Structural Steelwork is 75% complete, escalators have been installed.

6.0 Shop Drawings

- Temporary steelwork drawings were submitted to us by Canam to comment on any implication on the final appearance. There were no significant implications.
- Escalator 1 + 2 shop drawings have been approved.
- Escalator 3 + 4 shop drawings have been approved
- Lift 1 and 2 shop drawings have been approved.
- Pre-cast panel, column, column head, beams and stair drawings have all been approved.
- Stair Access 4 structural Steel shop drawings have been approved

- Glazing and glass shelf shop drawings have been prepared by GPL . All glazing shop drawings have been submitted and reviewed.
- Dycore shop drawings have been approved
- Canopy steelwork shop drawings have been approved
- Alcopla shop drawings have been submitted and reviewed.
- Escalator 1 and 2 Steelwork shop drawings have been approved
- Handrail shop drawings have been reviewed and returned
- Escalator 3 / 4 Steelwork shop drawings have been approved

Canam Construction: Waitakere Civic Centre – Rail Bridge

Contractors Report: 19 October 2006

Report Period : 5/10/06 to 19/10/06

Prepared by : Nick Page

Date of report : 19/10/06

1.0 Contract status

- 1.1 Contract acceptance letter received 12 December 2005.
- 1.2 Insurance Policy - By WCC
- 1.3 Bond – A new \$125,000 bond has been issued.
- 1.4 Agreed Contract Commencement date – 12 December 2005
- 1.5 Original Completion date – Portion 1: 17 August 2006, Portion 2: 22 December 2006
- 1.6 Extension of Time – We have now been advised that the shelf glazing will be on site by 3 November 2006. Assuming arrival is on this date we expect to achieve the stage 1 completion by 17 November 2006. The escalators are currently being commissioned and should be complete and operational by Friday 20th October as planned. We will formalise an extension of time application once the glazing installation and platform sequencing issues are finally resolved. Stage 2 is on programme for completion prior to 22 December 2006.
- 1.7 Approved completion date – As 1.5

2.0 Financial

- 2.1 Last Claim Submitted- 2/10/06.
- 2.2 Certificate due date – Recieved.
- 2.3 Payment due date – Recieved.
- 2.4 Outstanding payment issues – Nil
- 2.5 Next Claim to be submitted –1/11/06.
- 2.6 Variations – A final decision on VPR 7 – Lift shaft Icon is awaited. We have received CI up to no187. CI's are being priced progressively with only pricing for the last few outstanding. The only major cost issue yet to be priced is the final drainage & plumbing work. We expect to have this cost submitted within the next two weeks.

3.0 Territorial authorities

- 3.1 Certificating Authority - Waitakere City Council
- 3.2 Building Consent Issues – Issued
- 3.3 On Track Approvals – Standard building & Engineering inspections are continuing.

4.0 Programme Status

- 4.1 Construction Start Date – 12 December 2005
- 4.2 An Updated Contract Programme showing progress to date is attached. The only remaining stage 1 work by the end of this week will be the shelf glazing and some minor variation items. Work on stage 2 is progressing on program.
- 4.3 Projected Construction Completion Date – Portion 1: 17 November 2006, depending on the issues raised above, Portion 2: 15 December 2006.
- 4.4 The bridge was opened for 24 hour access on Friday 13th October 2006.
- 4.5 Snag lists for stage 1 have been issued and remedial work is underway.

4.6 Construction Progress

Site Establishment

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The closure of Stevenson's lane remains in place. We will have our works clear of the lane after completion of the glazing at the beginning of December. We will need direction on the removal of our road closure and the interface with the Bus terminal work.

Concrete Work

Stage 2 concrete work is complete except the plastering of the blockwork which will be carried out next week.. Stevies Lane paving is progressing. It has been delayed by wet weather but will be completed by the end of October.

Carpentry

Stage 2 carpentry has commenced.

Plumbing & Drainage

Stage 2 work drainage work is complete. First fix plumbing has commenced.

Lifts & Escalators

The first 2 escalators have been installed and are expected to be commissioned today and certified tomorrow, 20 October 2006. The second pair of escalators have been delivered and placed. Lift 1 & 2 are complete and certified.

The Stevies Lane lift will be shut down for 1 day next week to allow the variation work required for the installation of the security camera to take place.

Electrical and Security

Stage 1 complete except for the additional lift cameras. Stage 2 first fix has commence.

Structural steel

Stage 2 installation is underway and will be completed tomorrow.

Glazing

Stage 1 glass installation is complete except for the roof shelf glazing which is now due on site early November and 1 small wall panel on the escalator which has had to be remade and will be installed tomorrow. The protection film installation is complete on Stage 1 excluding the last escalator panels which are weather dependent. Stage 2 escalator wall glass is ready for installation.

Metalwork

Installation of the stage 1 handrails is complete.

Painting

Painting to stage 1 is complete to all completed work.

Tiling

Chinese Lion plates have been removed. Replacement of the paving is awaiting paver matching. We have asked our tiler to try and source a matching paver.

4.7 Planned for the next three weeks.

List of work planned to commence or continue in the next three weeks.

- Complete surface drainage and paving to Stevies lane.
- Commission Stage 1 escalators
- Complete install Stage 2 structural steel
- Commence Stage 2 carpentry & glazing

- Stage 2 Alcopla
- Commence Stage 1 shelf glazing

5.0 Subcontractor's engaged

5.1 Subcontractors engaged since the last report;

All the main subcontractors are now in place on the project.

6.0 Weather conditions / delays

6.1 General weather conditions during last fortnight – The weather has been generally poor with many wet days.

6.2 Days lost due to inclement and/or adverse weather conditions in last period – Stevies lane siteworks was delayed by rain on 9th, 10th and 16th October. Stage 1 escalator glazing was also delayed on these days and on several other when showers prevented sealant work.

7.0 Health & Safety

7.1 H & S policy approved by On Track.

7.2 Accidents during period – None

8.0 Information required / outstanding

- Coordination of stage 2 works with the bus terminal construction
- Lift Icon decision
- Window lock changes. Trial installation is done, decision required
- Stiffening fins to main wall glazing
- Instructions for minor variation work identified during the Stage 1 completion inspection
- Treatment of Kiosk service connections
- Up light cable protection
- Timing of fencing of railway to old Taxi stand area and Stevies lane closure after removal of Canam temporary fence

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P.O. Box 226, Fifth Street
Drury, Auckland
Ph: (09) 294-8333
Fax: (09) 294-7208
hob@heb.co.nz

Fortnightly Report Waitakere Central Interchange works.

5th Oct – 19th Oct

- a) Progress achieved – Set out kerb lines and levels Stage 2. Cut to waste stage two placing Gap 40 getting ready for kerb. Additional Drainage outside train station complete, splay catchpitt installed, subsoils installed. Conc capping telecom ducts stage 2 completed. Stage 1 retaining wall ongoing, kerb and stub installed from canams entrance to train station
- b) Financial – Variations to be updated.
- c) Territorial Authorities – Consents all in place and been adhered to, closeness of cesspit to watercare main to be identified. Closeness of kerb lines, sub soils, footpaths to tree roots to be evaluated.
- d) Subcontractors engaged- Telecom (WCC), Backyard creations (ret wall), Traffic Systems (lighting), Fineline concrete (kerbing).
- e) Programme attached
- f) Delays identified – Wet weather 10/10, 11/10 half day 16/10. Design for kerb/ footpath heights through roots etc of protected trees.
- g) No accidents or incidents reported.
- h) Design information reqd – Detail around APN hoardings reqd ASAP. RFI5,6,7 & 8 outstanding
- i) Notifiable inspections – Ongoing, pouring conc bus bay 24/10.

Date prepared: 19/10/06
Prepared by: Wayne Green