

## Architect's report no.10

project	WAITAKERE CITY RAIL BRIDGE	file ref	0355-F06-007-FC
job no.	0355	date	20 SEPTEMBER 2006
client	WAITAKERE CITY COUNCIL		

### 1.0 Client/Brief

- An applied film artwork to the window at the eastern end of the link bridge has been commissioned and is almost ready for installation
- Stevies Reserve landscaping .Construction is proceeding ,underground services are 80% installed , kerb and channelling installed
- 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 Rainside 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

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### 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 in progress on site
- 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 work has commenced
- 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

committee for consideration. The committee has requested a detailed proposal.

- 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.
- Streetscape APN hoarding locations and removal.

### **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. Partial access is now available via lift 2 across the bridge during working hours. Provision of this partial access has had an impact on overall programme (extended ) and will have a cost implication.
- Stevies Lane and Reserve are closed off and secure and the site fenced. Construction of the streetscape work to Stevies Reserve (Area A) is now under way. 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 to proceed.
- 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 progressing.
- 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.

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- The stair and escalator base structures to the platform area are complete.
- Escalators 1 and 2 have been installed.
- 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 85% 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 will commence on site this week

#### **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

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# Canam Construction: Waitakere Civic Centre – Rail Bridge Contractors Report: 21 September 2006

**Report Period :** 7/9/06 to 21/9/06  
**Prepared by :** Nick Page  
**Date of report :** 21/9/06

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## **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 received a confirmed projected delivery date for the delivery of the shelf glazing from overseas. This will result in the stage 1 completion date of 20 October 2006 including the shelf glazing. There have been delays to the completion of the escalators area due to platform construction & the official opening ceremony requirements and this is now also on the critical path for completion of stage 1 work. We will formalise an extension of time application once the glazing installation and platform sequencing issues are finally resolved. We also note that the early opening of the public access has had a significant impact on the working area and has extended the time required for activities on the bridge. We would expect the bridge to be closed to the public outside working hours until late September.
- 1.7 Approved completion date – As 1.5

## **2.0 Financial**

- 2.1 Last Claim Submitted- 31/8/06.
- 2.2 Certificate due date – 14/08/06.
- 2.3 Payment due date – paid.
- 2.4 Outstanding payment issues – Nil
- 2.5 Next Claim to be submitted – 1/10/06.
- 2.6 Variations – A final decision on VPR 7 – Lift shaft Icon is awaited. We have received CI up to no173, the last few of which will be priced shortly.

## **3.0 Territorial authorities**

- 3.1 Certifying 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 critical path for the first separable portion is now the glazing, both the high level area on the bridge and the escalator roof. The delay to the high level glazing supply will delay the first stage completion. The limited temporary access for the public is still open during working hours. Work on stage 2 is now well underway.
- 4.3 Projected Construction Completion Date – Portion 1: 20 October 2006, depending on the issues raised above, Portion 2: 15 December 2006.

## **4.4 Construction Progress**

**Site Establishment**

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The closure of Stevenson's lane remains in place.

### **Concrete Work**

Stage 2 has commenced and the escalator pit base has been poured. Work is about to commence on the suspended slab.

### **Carpentry**

Escalator timber roof is complete to the platform escalators.

### **Plumbing & Drainage**

Stage 2 work has commenced following final design clarification.

### **Lifts & Escalators**

The first 2 escalators have been installed. The second pair of escalators is in the country and available for installation. Lift 1 & 2 are complete and certified.

### **Electrical and Security**

Stage 1 complete. Stage 2 first fix about to commence.

### **Structural steel**

Stage 1 complete. Stage 2 fabrication is underway.

### **Glazing**

Main bridge wall glass installation is complete. Roof shelf glazing has been ordered and is due on site mid October. Civic edge glazing work is underway and is expected to be complete this month. Escalator wall glazing has arrived and will be installed next week. The escalator roof glass is a NZ supply item & will be measured and installed following completion of the wall glass.

### **Metalwork**

Installation of the handrails is complete except for the returns to the escalators.

### **Painting**

Painting is complete to all completed work.

## **4.5 Planned for the next three weeks.**

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

- Open the Railside ave stair 28/9/06
- Continue with surface drainage and paving to Stevies lane.
- Complete escalator glazing installation
- Commission Stage 1 escalators
- Continue with stage 2 concrete work
- Commence stage 2 blockwork
- Complete stage 2 drainage
- Crane in stage 2 escalators

## **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**

9/21/2006

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6.1 General weather conditions during last fortnight – The weather has been generally good and has not significantly impacted work.

6.2 Days lost due to inclement and/or adverse weather conditions in last period – None

**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
- Ongoing site access.
- Lift Icon decision
- Window lock changes
- Stiffening fins to main wall glazing
- Power supply to Exeloo



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## Fortnightly Report Waitakere Central Interchange works.

7<sup>th</sup> Sept – 21<sup>st</sup> Sept

- a) Progress achieved – Set out kerb lines and levels Stage 1.. General site clearance and trimming to sub grade levels. Dig Footing for retaining wall footing boxing wall. Expose cone cap telecom ducts under bus bays, new lids to be made for chambers.
- b) Delays identified – Retaining wall set out moved to accommodate protected trees. New detail to be provided to accommodate adshell footings. APN hoardings should have been removed at start of contract still awaiting decision on works in this area. Construction time for telecom chamber lids.
- c) Time extensions – 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> Sept awaiting instruction from engineer to proceed re retaining wall set out, footing detail.
- d) No accidents or incidents reported. Pedestrian access in place from platform.
- e) Design information – Detail around APN hoardings reqd ASAP.
- f) Notifiable inspections – TBA retaining wall footing steel placement.

Date prepared: 21/09/06  
Prepared by: Wayne Green